Analytical Resources, LLC
Analytical Chemists and Consultants

22 February 2023

Ali Judkins
Anchor QEA, LLC
1201 3rd Ave, Suite 2600
Seattle, WA 98101

RE: AOC4 UR Phase 3

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
22L0137	N/A

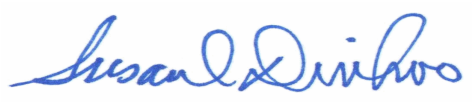
Susan Dunnihoo

Digitally signed by Susan Dunnihoo
Date: 2023.02.22 15:27:30 -08'00'

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclosed Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC



Susan Dunnihoo, Director, Client Services

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006-012

22L0137

1 of 6

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3238

Project/Client Name: AOC4 UR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: B. Quinlisk/AV
Shipping Date: 12/6/2022
Airbill Number:
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	PAH + BEP	Mercury	Arsenic	DIF	TOC/Total Solids	Archive	Comments / Instructions [Jar tag number(s)]
12/5/22	1255	LDW22-ITB17	3	Sediment	X					X	X	
	1222	LDW22-ITB16	3		X					X	X	
	1242	LDW22-ITB15	3		X					X	X	
12/5/22	1345	LDW22-SCB13	3		X					X	X	
	1220	LDW22-SC784B	3		X					X	X	
		LDW22-SC784B-FD	3		X					X	X	
		LDW22-SC784C	3		X					X	X	
		LDW22-SC784D	3		X					X	X	
		LDW22-SC784E	3		X					X	X	
		LDW22-SC784F	3		X					X	X	
		LDW22-SC784G	3		X					X	X	
		LDW22-SC784H	3		X					X	X	
		Total Number of Containers	36	Purchase Order / Statement of Work # APS-110222-AOC4-ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YA YA YARD	
Signature:		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: ARI
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22 4:20	Date/Time: 12/6/22 4:30 4:50	Date/Time: 12/6/22 16:30

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

2201137

2 of 6

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3386

Project/Client Name: AOC4 UR Phase 3
Project Number: 180067 - 02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: B. Quinlisk / AV

Shipping Date: 12/6/2022
Airbill Number:
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	PAH	BEP	Mercury	Arsenic	D/F	TOC/TBM Solids	Arsenic	Comments / Instructions [Jar tag number(s)]
12/5/22	1220	LDW22-SC784I	3	Sediment	X	—	—	—	—	—	X	X	
		LDW22-SC784J	3		X	—	—	—	—	—	X	X	
		LDW22-SC784K	3		X	—	—	—	—	—	X	X	
		LDW22-SC784L	3		X	—	—	—	—	—	X	X	
12/5/22	1220	LDW22-SC784M	3		X	—	—	—	—	—	X	X	
	1354	LDW22-SC785A	3		X	—	—	—	—	—	X	X	
		-SC785B	3		X	—	—	—	—	—	X	X	
		-SC785C	3		X	—	—	—	—	—	X	X	
		-SC785D	3		X	—	—	—	—	—	X	X	
		-SC785E	3		X	—	—	—	—	—	X	X	
		-SC785F	3		X	—	—	—	—	—	X	X	
12/5/22	1354	LDW22-SC785G	3		X	—	—	—	—	—	X	X	
		Total Number of Containers	36	Purchase Order / Statement of Work # APJ-110222 AOC4-ARL									

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YARED	
Signature:		Signature: YA YA SAFETY	
Company: Windward	Company: YA YA SAFETY	Company:	Company: ARI
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22 4:20PM	Date/Time: 12/6/22 4:50	Date/Time: 12/6/22 1650

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

2210137

3 of 6

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3388

Project/Client Name: AOC4 UR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/6/22
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	PAH	BSP	Mercury	Arsenic	DHF	TOC / Total Solids	Archive	Comments / Instructions [Jar tag number(s)]
12/5/22	1354	LOW22-SC785H	3	Sediment	X	—	—	—	—	—	X	X	
		-SC785T	3		X	—	—	—	—	—	X	X	
		-SC785J	3		X	—	—	—	—	—	X	X	
		-SC785K	3		X	—	—	—	—	—	X	X	
		-SC785L	3		X	—	—	—	—	—	X	X	
12/5/22	1354	-SC785M	3		X	—	—	—	—	—	X	X	
12/5/22	1354	-SC785N	3		X	—	—	—	—	—	X	X	
12/5/22	1354	LOW22-SC785A-FD	3		X	—	—	—	—	—	X	X	
12/6/22	0749	-SC776A	3		X	—	—	—	—	—	X	X	
		-SC776B	3		X	—	—	—	—	—	X	X	
		-SC776C	3		X	—	—	—	—	—	X	X	
	0749	LOW22-SC776D	3	Sediment	X	—	—	—	—	—	X	X	
12/6/22		**Total Number of Containers**	36	Purchase Order / Statement of Work #	APJ-110222-AOC4ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YA RED	
Signature:		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: ARI
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22 4:20 PM	Date/Time: 12/6/22 4:20 PM	Date/Time: 12/6/22 1650

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

22L0137

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3389

Project/Client Name:	AOC4 UR Phase 3	Ship to:	ARL
Project Number:	180067-02.04	Attn:	Sue Dunnihoo
Contact Name:	Amara Vandervort	Shipper:	Courier
Sampled By:	Windward.	Form filled out by:	AV/BG
		Shipping Date:	12/
		Airbill Number:	
		Turnaround requested:	Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	PCBs	PAH	BBP	mercury	Arsenic	D/F	TOC / Total Solids	Archive	Comments / Instructions [Jar tag number(s)]
12/6/22	0749	LDW22-SC776E	3	Sediment	X	–	–	–	–	–	X	X	
↓	↓	-SC776E-FD	3	↓	X	–	–	–	–	–	X	X	
		-SC776F	3		X	–	–	–	–	–	X	X	
		-SC776G	3		X	–	–	–	–	–	X	X	
		-SC776H	3		X	–	–	–	–	–	X	X	
		-SC776I	3		X	–	–	–	–	–	X	X	
		-SC776J	3		X	–	–	–	–	–	X	X	
		-SC776K	3		X	–	–	–	–	–	X	X	
	↓	↓ -SC776L	3		X	–	–	–	–	–	X	X	
	0749	LDW22-SC776M	3		X	–	–	–	–	–	X	X	
	0904	LDW22-SC770A	3	↓	X	–	–	–	–	–	X	X	
↓	0904	LDW22-SC770B	3	Sediment	X	–	–	–	–	–	X	X	
		Total Number of Containers	36	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL									

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort	[signature]	[signature]	[signature]
Signature: [signature]		Print name: YARED	
Company: Windward	Company: YA YA SAFETY	Signature: [signature] / Company: YA YA SAFETY	Company: ARL
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22 4:20PM	Date/Time: 12/6/22 4:50PM	Date/Time: 12/6/22 1650

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Windward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

22L0137

5 of 6

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3390

Project/Client Name: AOC4 UR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunnhoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/6/2022
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	PAH BZP	Mercury	Arsenic	DHT	TOC/ Total solids	Archive	Comments / Instructions [Jar tag number(s)]
12/6/22	0904	LDW22-SC770C	3	Sediment	X	—	—	—	—	X	X	
		LDW22-SC770D	3		X	—	—	—	—	X	X	
		LDW22-SC770E	3		X	—	—	—	—	X	X	
		LDW22-SC770F	3		X	—	—	—	—	X	X	
		LDW22-SC770G	3		X	—	—	—	—	X	X	
		LDW22-SC770H	3		X	—	—	—	—	X	X	
		LDW22-SC770I	3		X	—	—	—	—	X	X	
		LDW22-SC770J	3		X	—	—	—	—	X	X	
		LDW22-SC770K	3		X	—	—	—	—	X	X	
	0904	LDW22-SC770L	3		X	—	—	—	—	X	X	
	10:03	LDW22-SC769A	3		X	—	—	—	—	X	X	
12/6/22	10:03	LDW22-SC769B	3	Sediment	X	—	—	—	—	X	X	
		Total Number of Containers	36	Purchase Order / Statement of Work # APJ-1102222-AOC4-ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YA/ED	
Signature:		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: APJ
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22 4:20PM	Date/Time: 12/6/22 4:50PM	Date/Time: 12/10/22 1650

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

22L0137

6 of 6

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3391

Project/Client Name: AOC4 LR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/6/2022
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	24H BSP	Mercury	Arsenic	DHF	TOC / Total Solids	Archive	Comments / Instructions [Jar tag number(s)]
12/6/22	10:03	LDW22-SC769C	3	Sediment	X	—	—	—	—	X	X	
		LDW22-SC769D	3		X	—	—	—	—	X	X	
		LDW22-SC769E	3		X	—	—	—	—	X	X	
		LDW22-SC769F	3		X	—	—	—	—	X	X	
		LDW22-SC769G	3		X	—	—	—	—	X	X	
		LDW22-SC769H	3		X	—	—	—	—	X	X	
		LDW22-SC769I	3		X	—	—	—	—	X	X	
		LDW22-SC769J	3		X	—	—	—	—	X	X	
	10:03	LDW22-SC769K	3		X	—	—	—	—	X	X	
		Total Number of Containers	30									Purchase Order / Statement of Work # ARI-1102222-AOC4-ARI

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YARED	
Signature: A Vandervort		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: ARI
Date/Time: 12/6/2022 1620	Date/Time: 12/6/22	Date/Time: 12/6/22 4:50PM	Date/Time: 12/6/22 1650

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Winward

Project Name: AOC 4 UR Phase 3

COC No(s): _____ (NA)

Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other: _____

Assigned ARI Job No: 22L0137

Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry): (9.6) (2.4) (9.4) (5.6) (5.8) (3.9) (5.0)

Time _____

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: _____

Cooler Accepted by: CB Date: 12/6/22 Time: 1650

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap (Wet Ice) Gel Packs Baggies Foam Block Paper Other: _____		
Was sufficient ice used (if appropriate)?	NA	YES	(NO)
How were bottles sealed in plastic bags?	(Individually)	Grouped	Not
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	(NA)	YES	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	(NA)		

Were the sample(s) split by ARI? (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: JLW Date: 12/07/22 Time: 9:13 Labels checked by: PLB

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: Date:

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

ARI Work Order: 2210137

Cooler#: _____ **Temperature(°C):** 9.6°C

Sample ID	Bottle Count	Bottle Type
samples received above 6°C		

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ **Temperature(°C):** 9.4°C

Sample ID	Bottle Count	Bottle Type
samples received above 6°C		

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Completed by: _____ Date: 12/6/22 Time: 1650

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle, WA 98101	Project Manager: Ali Judkins	02/22/2023 11:14

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
22L0137-01	LDW22-IT817	Solid	12/05/22 12:55	12/06/22 16:50
22L0137-02	LDW22-IT816	Solid	12/05/22 12:22	12/06/22 16:50
22L0137-03	LDW22-IT815	Solid	12/05/22 12:42	12/06/22 16:50
22L0137-04	LDW22-SC813	Solid	12/05/22 13:45	12/06/22 16:50
22L0137-05	LDW22-SC784B	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-06	LDW22-SC784B-FD	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-07	LDW22-SC784C	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-08	LDW22-SC784D	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-09	LDW22-SC784E	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-10	LDW22-SC784F	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-11	LDW22-SC784G	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-12	LDW22-SC784H	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-13	LDW22-SC784I	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-14	LDW22-SC784J	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-15	LDW22-SC784K	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-16	LDW22-SC784L	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-17	LDW22-SC784M	Solid	12/05/22 12:20	12/06/22 16:50
22L0137-18	LDW22-SC785A	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-19	LDW22-SC785B	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-20	LDW22-SC785C	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-21	LDW22-SC785D	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-22	LDW22-SC785E	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-23	LDW22-SC785F	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-24	LDW22-SC785G	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-25	LDW22-SC785H	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-26	LDW22-SC785I	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-27	LDW22-SC785J	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-28	LDW22-SC785K	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-29	LDW22-SC785L	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-30	LDW22-SC785M	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-31	LDW22-SC785N	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-32	LDW22-SC785A-FD	Solid	12/05/22 13:54	12/06/22 16:50
22L0137-33	LDW22-SC776A	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-34	LDW22-SC776B	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-35	LDW22-SC776C	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-36	LDW22-SC776D	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-37	LDW22-SC776E	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-38	LDW22-SC776E-FD	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-39	LDW22-SC776F	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-40	LDW22-SC776G	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-41	LDW22-SC776H	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-42	LDW22-SC776I	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-43	LDW22-SC776J	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-44	LDW22-SC776K	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-45	LDW22-SC776L	Solid	12/06/22 07:49	12/06/22 16:50

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle, WA 98101	Project Manager: Ali Judkins	02/22/2023 11:14

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
22L0137-46	LDW22-SC776M	Solid	12/06/22 07:49	12/06/22 16:50
22L0137-47	LDW22-SC770A	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-48	LDW22-SC770B	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-49	LDW22-SC770C	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-50	LDW22-SC770D	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-51	LDW22-SC770E	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-52	LDW22-SC770F	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-53	LDW22-SC770G	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-54	LDW22-SC770H	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-55	LDW22-SC770I	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-56	LDW22-SC770J	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-57	LDW22-SC770K	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-58	LDW22-SC770L	Solid	12/06/22 09:04	12/06/22 16:50
22L0137-59	LDW22-SC769A	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-60	LDW22-SC769B	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-61	LDW22-SC769C	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-62	LDW22-SC769D	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-63	LDW22-SC769E	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-64	LDW22-SC769F	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-65	LDW22-SC769G	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-66	LDW22-SC769H	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-67	LDW22-SC769I	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-68	LDW22-SC769J	Solid	12/06/22 10:03	12/06/22 16:50
22L0137-69	LDW22-SC769K	Solid	12/06/22 10:03	12/06/22 16:50

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle WA, 98101	Project Manager: Ali Judkins	22-Feb-2023 11:14

Case Narrative

Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Work Order: 22L0137

Sample receipt

Samples as listed on the preceding page were received 06-Dec-2022 16:50 under ARI work order 22L0137. For details regarding sample receipt, please refer to the Cooler Receipt Form.

PCB Aroclors - EPA Method SW8082A

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recovery for decachlorobiphenyl in sample LDW22-SC784 L was high of limits The analyst noted LDW22-SC784L had an unusual pattern, inflating the recovery of the decachlorobiphenyl recovery.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits. Batch BKL0227 includes an SRM that was suspected to have been extracted at 5 times the routine amount and values have been adjusted accordingly.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits.

The reference material (SRM) percent recoveries were within control limits.

Several results were 'P1'-flagged, indicating a greater than 40% difference between the results on the two analytical columns.

Wet Chemistry (Total Organic Carbon)

The sample(s) were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The reference material (SRM) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits. The batch BKL0299 matrix QC is reported under work order 22L0136.

Report revised to correct MSD results.
Report revised to correct BLK0227 SRM results.

QUALIFIERS AND NOTES

Qualifier	Definition
X	Not reported due to chromatographic interference-using three peak average
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
P1	The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.
J	Estimated concentration value detected below the reporting limit.
H	Hold time violation - Hold time was exceeded.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
D	The reported value is from a dilution
*	Flagged value is not within established control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-IT817

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-01 B	File ID:	12212243ECD7.D
Sampled:	12/05/22 12:55	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 06:36
% Solids:	78.52	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.97 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	2	1	2.4	1.6	4.0	J
11096-82-5	Aroclor 1260	2	1	1.6	0.6	4.0	J

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9747*	*7.30*	*91.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9747*	*5.77*	*72.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9747*	*6.75*	*84.6*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9747*	*5.92*	*74.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212243ECD7.D
Data file 2: /221221.b/221221.b/12212243ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-01
Client ID:
Injection Date: 22-DEC-2022 06:36
Report Date: 12/29/2022 08:55
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.002	232969	5.710	-0.001	129723	28.9	29.7	2.6	Tetrachloro-m-xylene
13.901	-0.003	325164	14.130	-0.003	240974	36.6	33.8	7.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	568303	27.0
Hexabromobiphenyl	798898	969029	21.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	318794	28.0
Hexabromobiphenyl	362541	501550	38.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	9.309	-0.006	4956	9.9	1	9.468	0.005	2718	13.2
Aroclor-1254	2	9.389	-0.005	1773	9.1	2	9.978	-0.003	913	5.5
Aroclor-1254	3	9.687	0.000	3726	11.8	3	10.130	-0.002	3589	10.1
Aroclor-1254	4	9.815	-0.006	8209	13.3	4	10.377	-0.003	4336	11.8
Aroclor-1254	5	10.164	-0.011	4291	10.2	5	10.577	-0.002	3504	19.7
		Total Col1Ave (5 peaks):			10.9	Total Col2Ave (5 peaks):				12.1 RPD = 11
		Corrected Ave (4 peaks):			10.2	Corrected Ave (4 peaks):				10.2 RPD = 1
Aroclor-1260	1	11.053	-0.004	2736	7.8	1	11.664	-0.003	2160	8.2
Aroclor-1260	2	11.370	-0.003	1342	3.7	2	11.925	-0.004	3233	4.9
Aroclor-1260	3	11.741	-0.005	4032	4.2	3	12.434	-0.014	2407	13.6
Aroclor-1260	4	12.142	-0.008	2580	5.3	4	12.507	-0.005	2479	5.6
Aroclor-1260	5	12.251	-0.005	1488	7.4	NS	---			----
		Total Col1Ave (5 peaks):			5.7	Total Col2Ave (4 peaks):				8.1 RPD = 35
		Corrected Ave (4 peaks):			5.2	Corrected Ave (3 peaks):				6.2 RPD = 19
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.934 - 13.804) = 240320 Col1 Total PCB = 0.0 ppm*

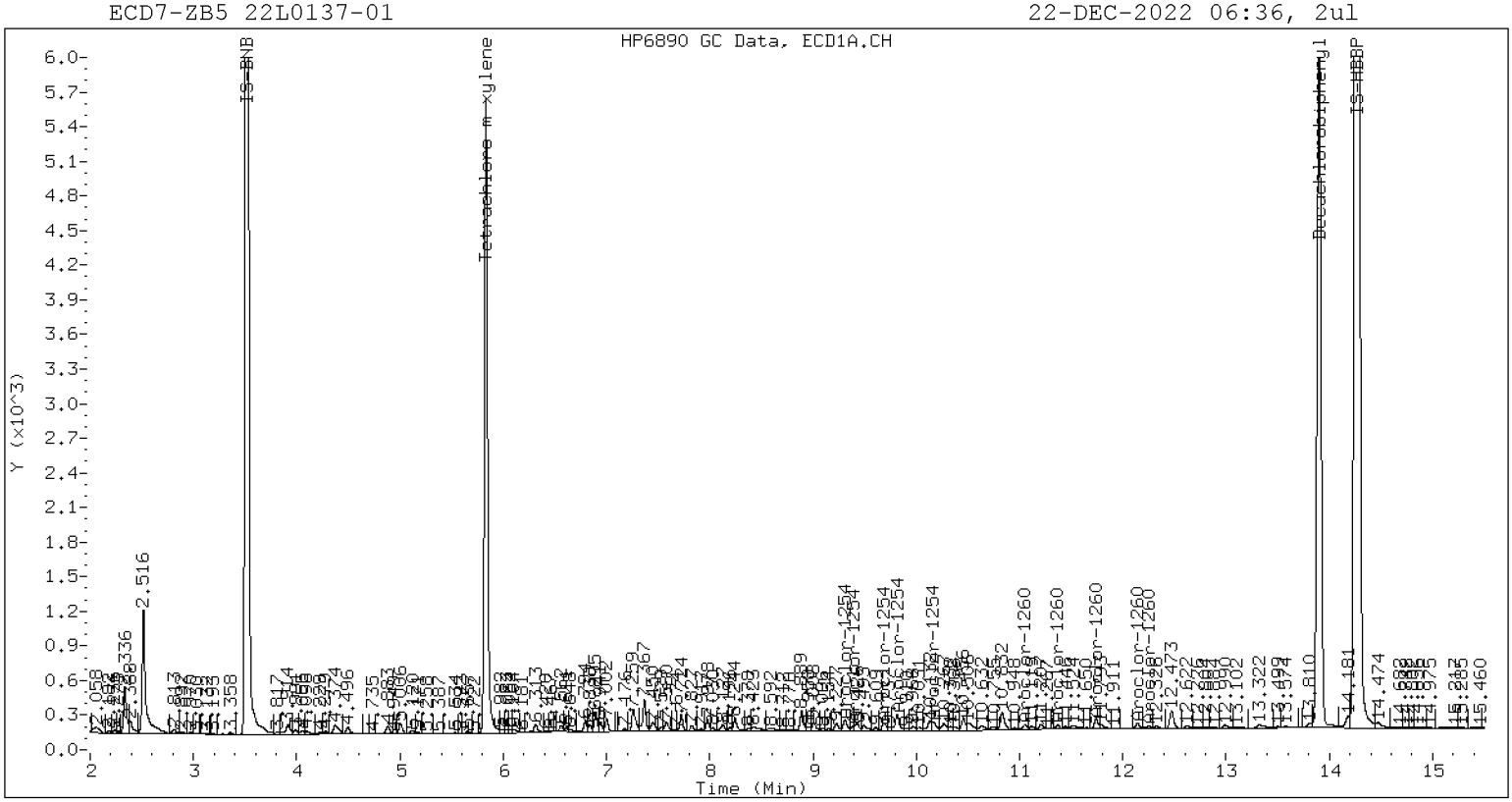
Total PCB Area Col2 (5.811 - 14.033) = 115446 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

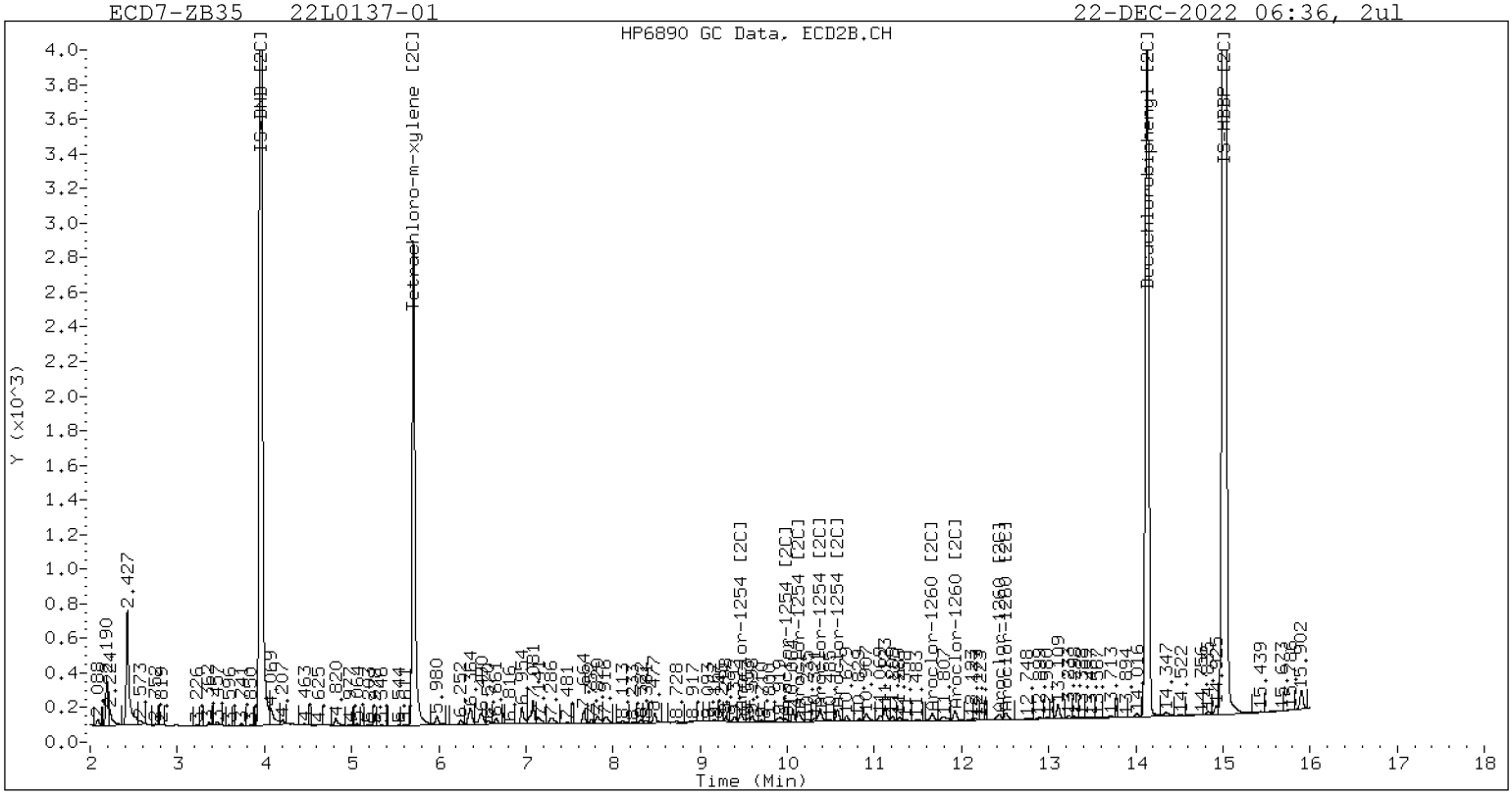
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-01 22-DEC-2022 06:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-01 22-DEC-2022 06:36, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-IT816

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-02 B	File ID:	12212244ECD7.D
Sampled:	12/05/22 12:22	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 06:57
% Solids:	80.37	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.58 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	2	1	30.2	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	20.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9862*	*7.83*	*98.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9862*	*5.81*	*72.7*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9862*	*6.64*	*83.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9862*	*6.13*	*76.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212244ECD7.D
Data file 2: /221221.b/221221.b/12212244ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-02
Client ID:
Injection Date: 22-DEC-2022 06:57
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	228271	5.707	-0.003	132374	29.1	30.7	5.4	Tetrachloro-m-xylene
13.899	-0.005	296653	14.130	-0.002	220531	39.2	33.3	16.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	554022	23.8
Hexabromobiphenyl	798898	824983	3.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	314733	26.4
Hexabromobiphenyl	362541	466878	28.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	9.304	-0.012	22488	46.1	1	9.476	0.013	23843	117.5
Aroclor-1254	2	9.424	0.030	32050	168.9	2	9.920	-0.061	62257	381.6
Aroclor-1254	3	9.690	0.004	88927	288.6	3	10.124	-0.008	15236	43.4
Aroclor-1254	4	9.810	-0.010	63029	105.0	4	10.376	-0.004	21879	60.2
Aroclor-1254	5	10.128	-0.047	38155	92.7	5	10.575	-0.004	27079	154.6
	Total Col1Ave (5 peaks):				140.3	Total Col2Ave (5 peaks):				151.5 RPD = 8
	Corrected Ave (4 peaks):				103.2	Corrected Ave (4 peaks):				93.9 RPD = 9
Aroclor-1260	1	11.039	-0.017	76204	253.8	1	11.657	-0.009	21466	87.1
Aroclor-1260	2	11.369	-0.005	32315	104.0	2	11.945	0.018	93470	151.1
Aroclor-1260	3	11.736	-0.011	42644	52.3	3	12.438	-0.009	19555	118.7
Aroclor-1260	4	12.138	-0.011	28669	69.0	4	12.503	-0.008	24377	59.1
Aroclor-1260	5	12.222	-0.034	21729	127.7	NS	---			----
	Total Col1Ave (5 peaks):				121.4	Total Col2Ave (4 peaks):				104.0 RPD = 15
	Corrected Ave (4 peaks):				88.3	Corrected Ave (3 peaks):				88.3 RPD = 0
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1935251 Col1 Total PCB = 0.4 ppm*

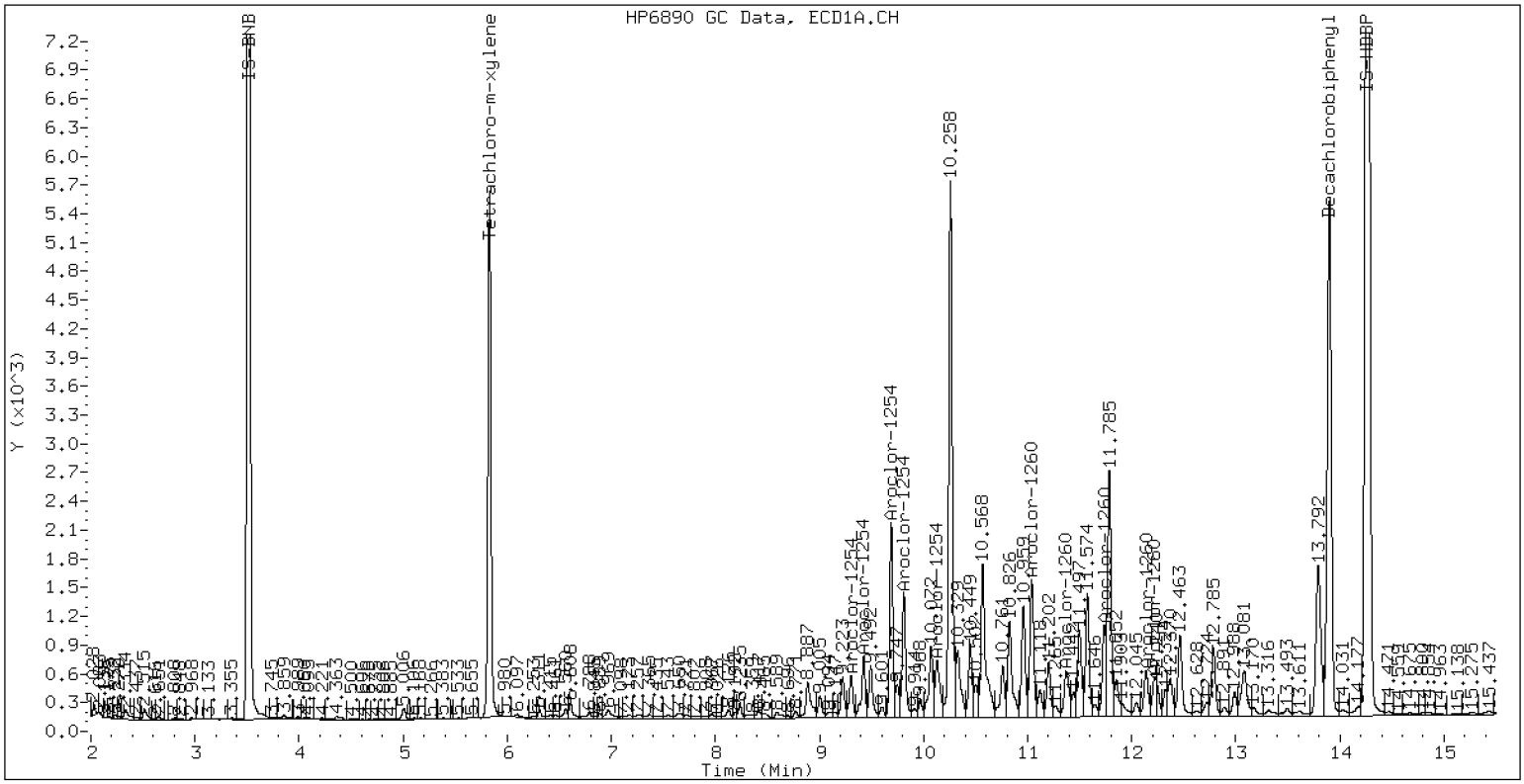
Total PCB Area Col2 (5.810 - 14.032) = 1028466 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

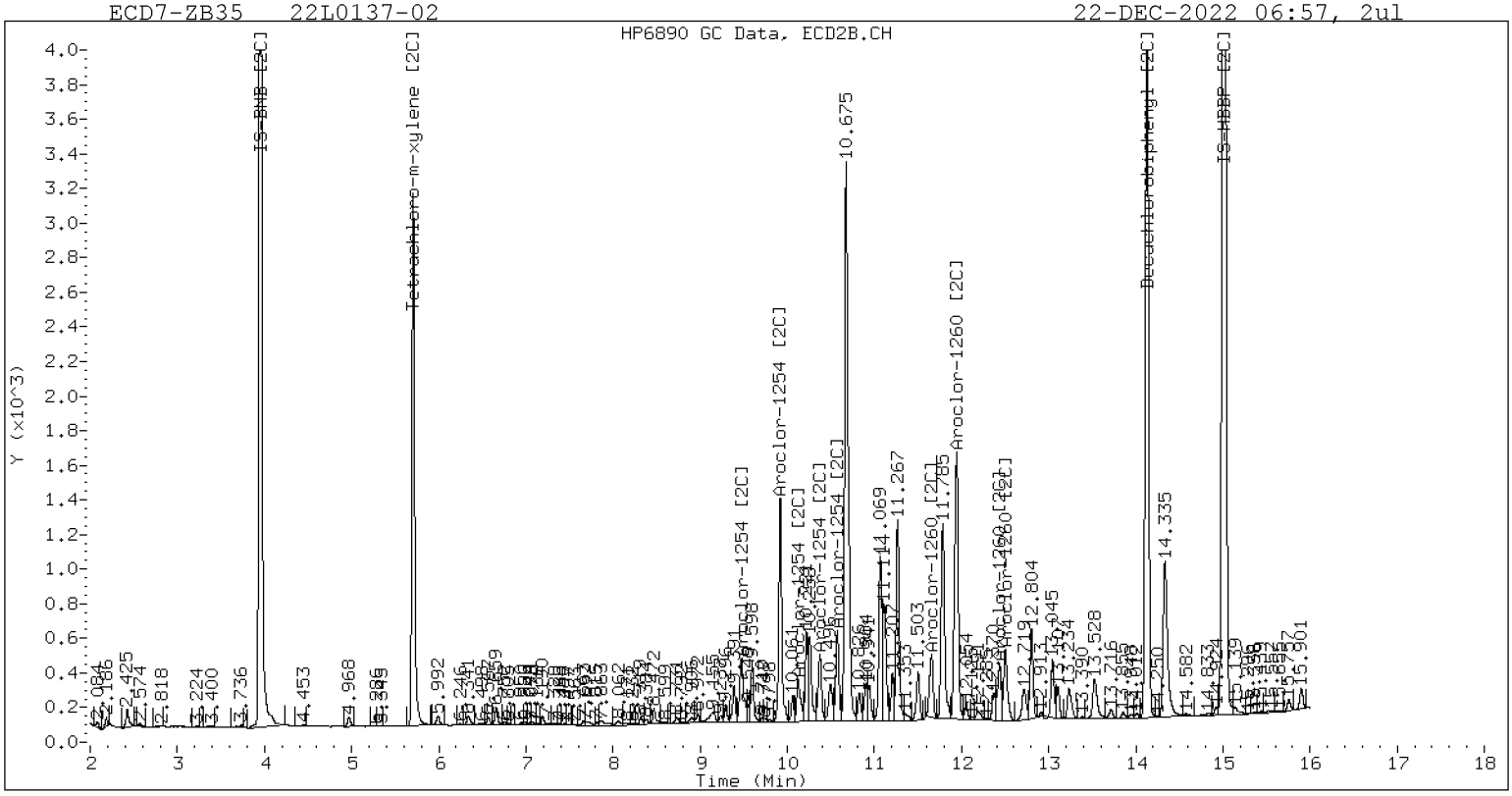
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-02 22-DEC-2022 06:57, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-02 22-DEC-2022 06:57, 2ul

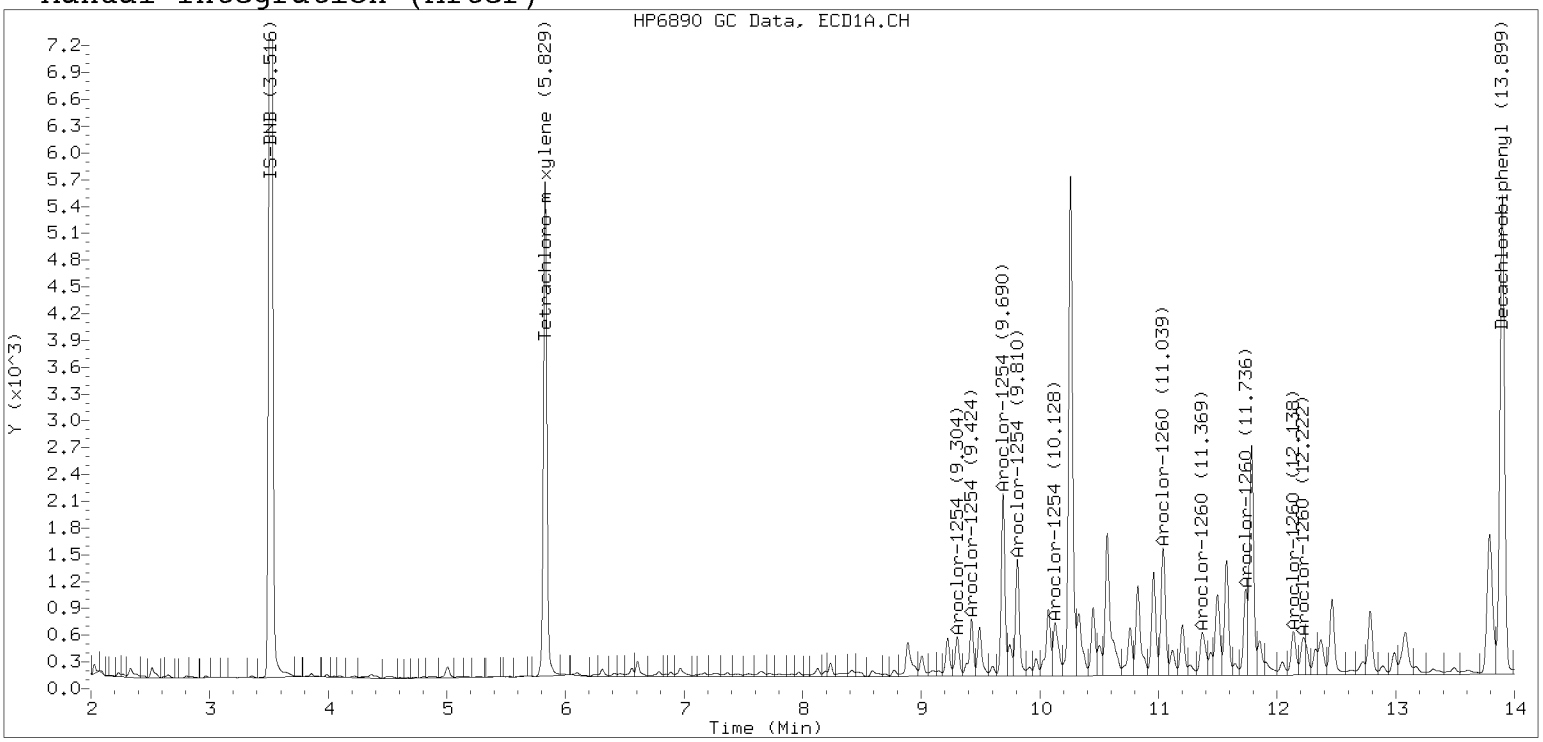


ZB-35 Manual Integration: NO

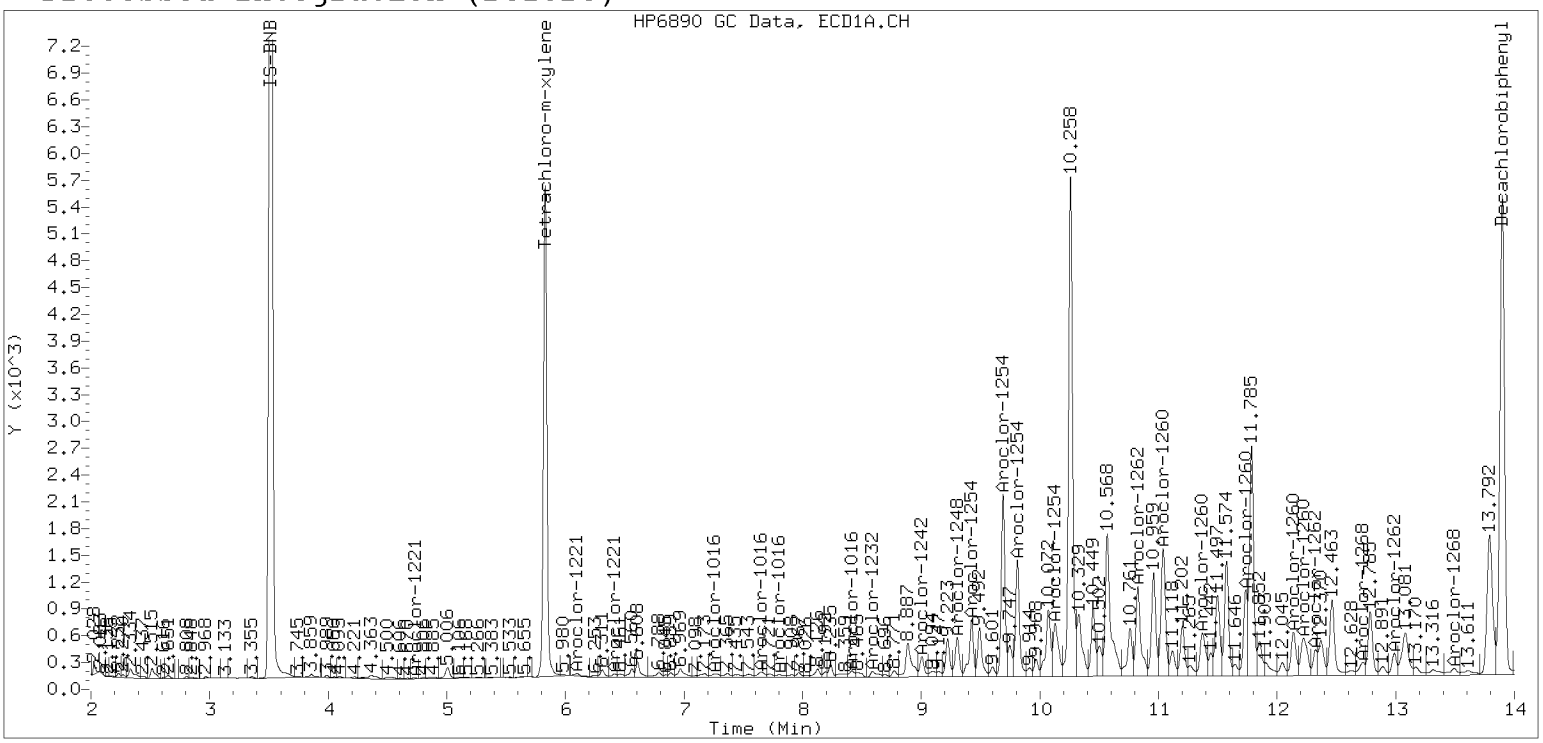
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212244ECD7.D Injection Date: 22-DEC-2022 06:57

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-IT815

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-03 B	File ID:	12212245ECD7.D
Sampled:	12/05/22 12:42	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 07:18
% Solids:	61.67	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.3 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	24.8	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	52.5	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	19.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9879*	*7.84*	*98.2*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9879*	*5.67*	*71.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9879*	*6.95*	*87.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9879*	*6.36*	*79.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212245ECD7.D
Data file 2: /221221.b/221221.b/12212245ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-03
Client ID:
Injection Date: 22-DEC-2022 07:18
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	216721	5.705	-0.005	128349	28.4	31.8	11.4	Tetrachloro-m-xylene
13.897	-0.007	216583	14.127	-0.005	188621	39.3	34.8	12.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	538817	20.4
Hexabromobiphenyl	798898	601526	-24.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	294198	18.1
Hexabromobiphenyl	362541	381591	5.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.015	17737	76.6	1	8.316	-0.007	12290	102.3
Aroclor-1248	2	8.581	-0.024	10001	33.8	2	8.723	-0.004	9364	74.1
Aroclor-1248	3	9.001	-0.022	50162	94.3	3	9.155	-0.016	15166	98.6
Aroclor-1248	4	9.301	-0.011	76156	292.1	4	9.594	0.002	23863	132.2
	Total Col1Ave (4 peaks):				124.2	Total Col2Ave (4 peaks):				101.8 RPD = 20
	Corrected Ave (3 peaks):				68.2	Corrected Ave (3 peaks):				91.7 RPD = 29
Aroclor-1254	1	9.301	-0.015	76156	160.5	1	9.455	-0.008	49682	261.9
Aroclor-1254	2	9.422	0.028	28667	155.4	2	9.972	-0.009	27090	177.6
Aroclor-1254	3	9.673	-0.013	70438	235.1	3	10.120	-0.012	74384	226.9
Aroclor-1254	4	9.803	-0.018	126717	217.0	4	10.357	-0.023	104159	306.8
Aroclor-1254	5	10.144	-0.032	130478	325.9	5	10.570	-0.009	55898	341.4
	Total Col1Ave (5 peaks):				218.8	Total Col2Ave (5 peaks):				262.9 RPD = 18
	Corrected Ave (4 peaks):				192.0	Corrected Ave (4 peaks):				243.3 RPD = 24
Aroclor-1260	1	11.046	-0.010	21771	99.4	1	11.657	-0.008	27350	135.8
Aroclor-1260	2	11.361	-0.013	16324	72.1	2	11.919	-0.009	39022	77.2
Aroclor-1260	3	11.732	-0.016	38368	64.5	3	12.408	-0.038	83678	621.7
Aroclor-1260	4	12.130	-0.019	27365	90.3	4	12.501	-0.010	26754	79.4
Aroclor-1260	5	12.244	-0.011	10214	82.3	NS	---			----
	Total Col1Ave (5 peaks):				81.7	Total Col2Ave (4 peaks):				226.5 RPD = 95*
	Corrected Ave (4 peaks):				77.3	Corrected Ave (3 peaks):				97.5 RPD = 23
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2171616 Col1 Total PCB = 0.4 ppm*

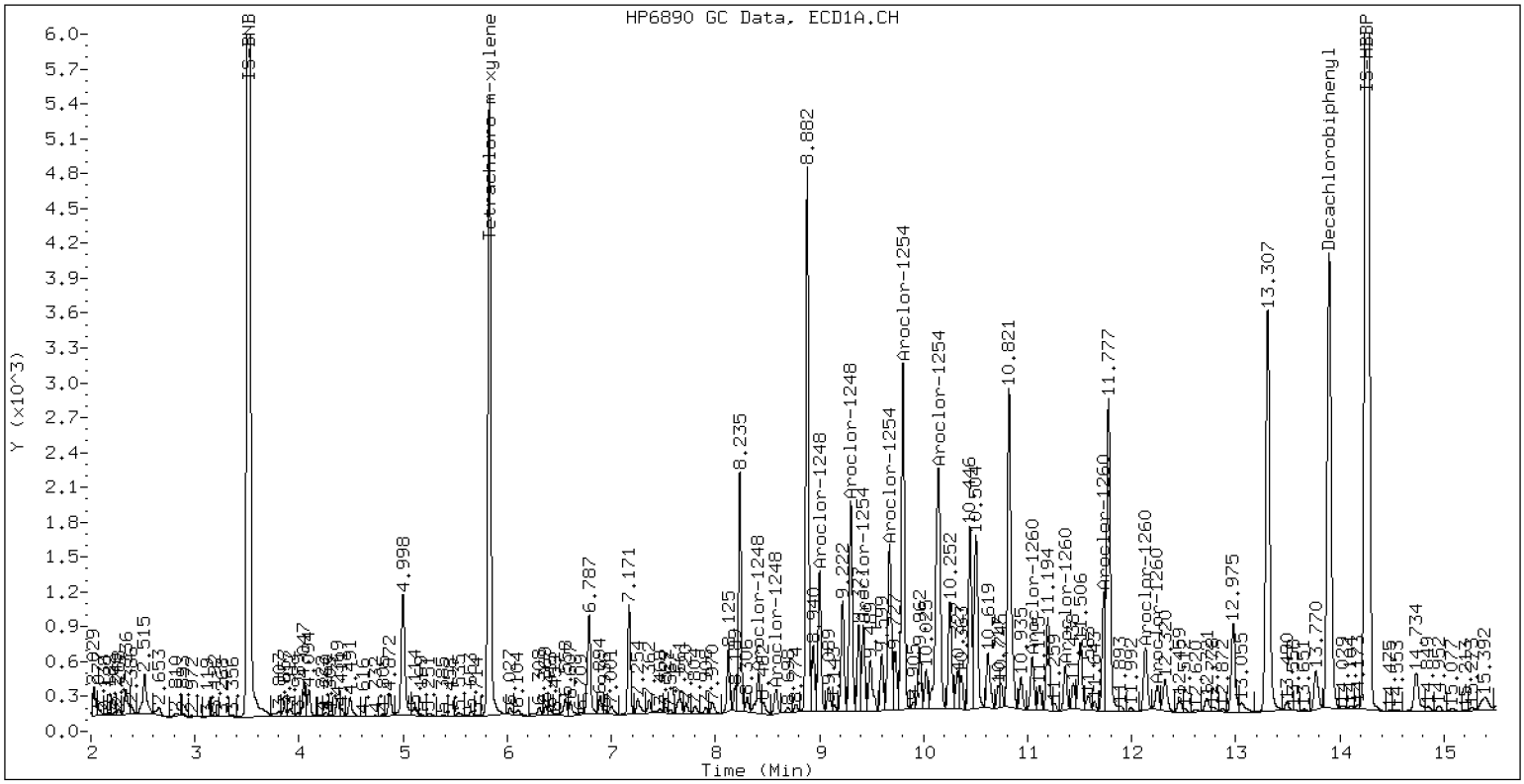
Total PCB Area Col2 (5.810 - 14.032) = 1270992 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

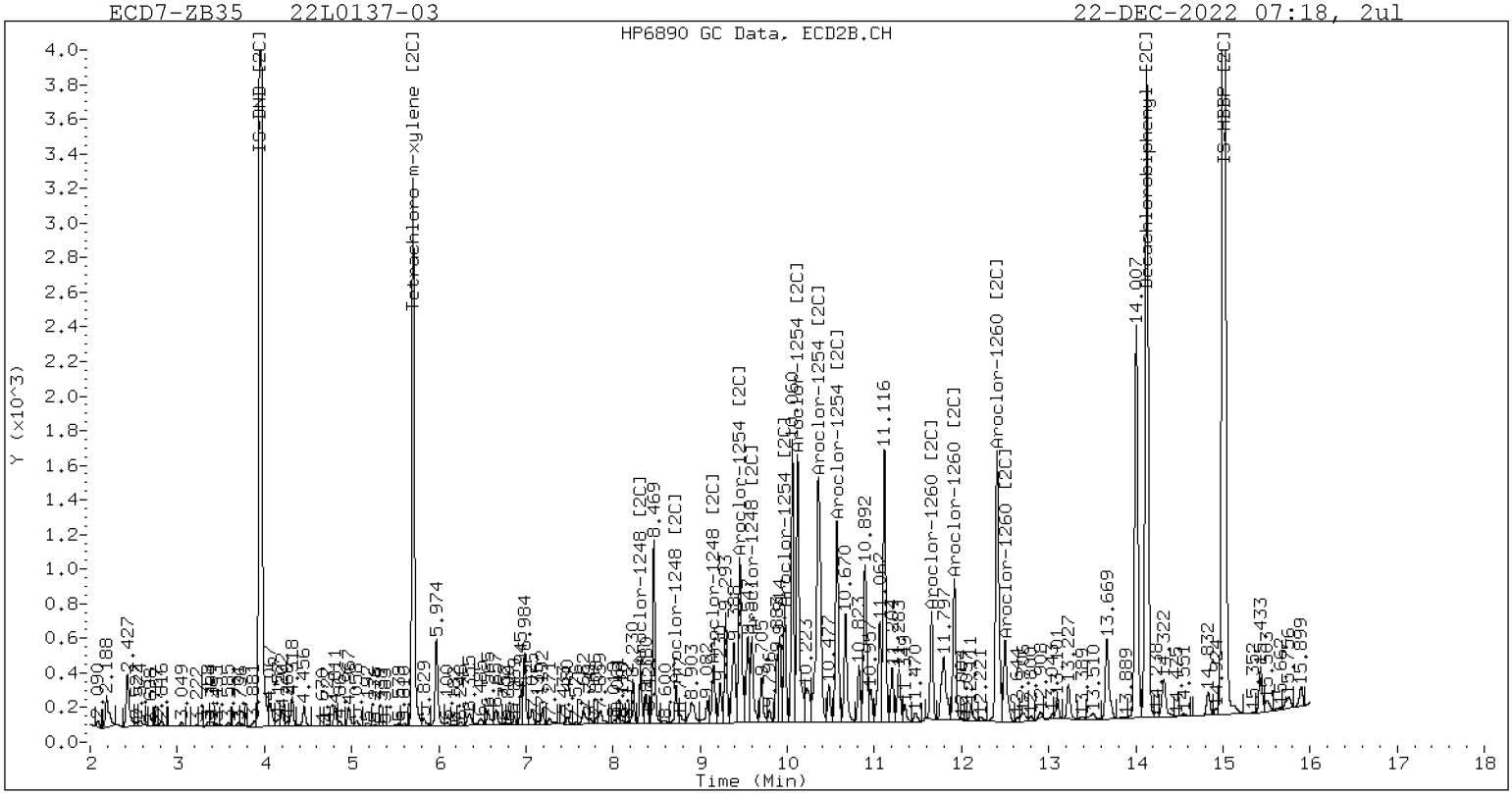
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-03 22-DEC-2022 07:18, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-03 22-DEC-2022 07:18, 2ul

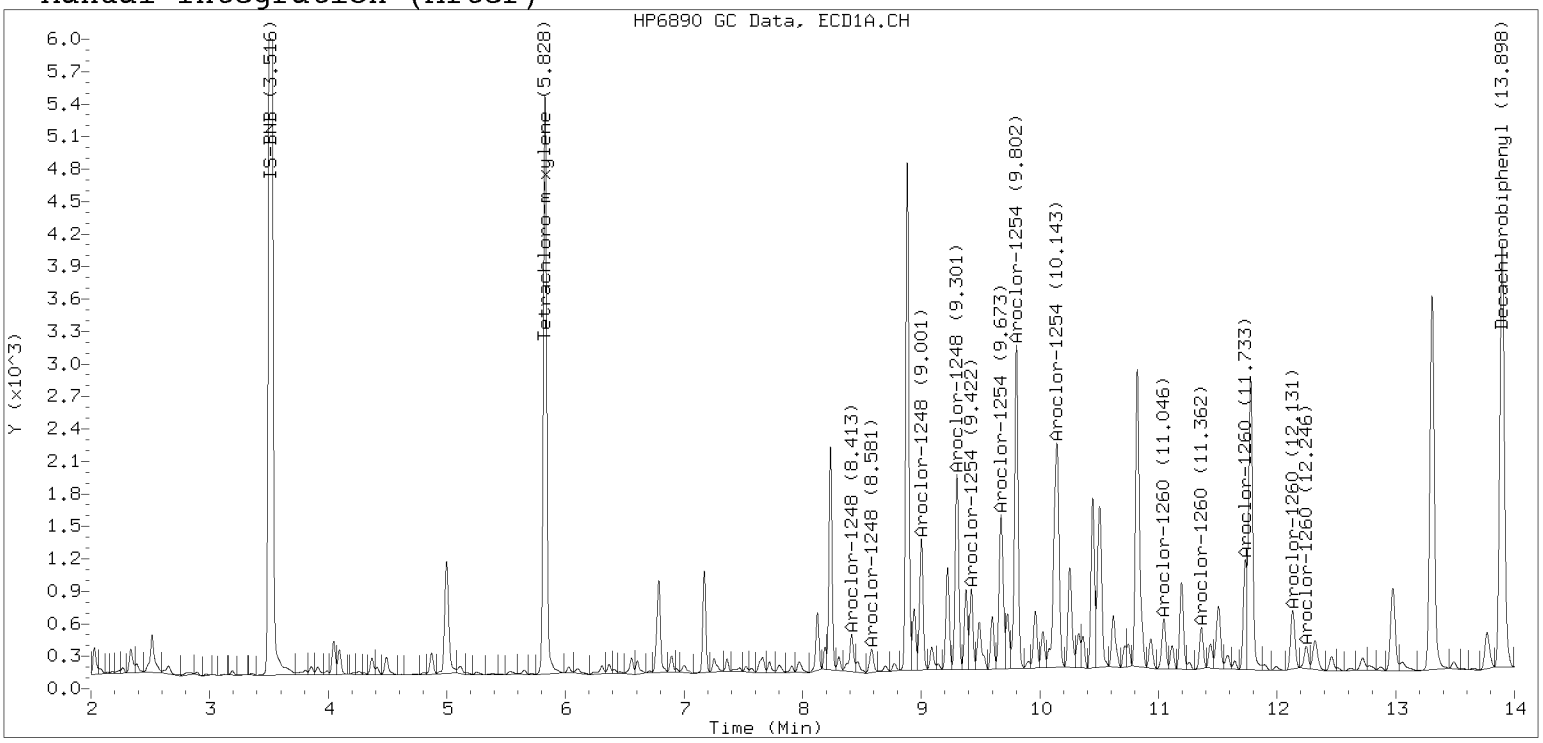


ZB-35 Manual Integration: NO

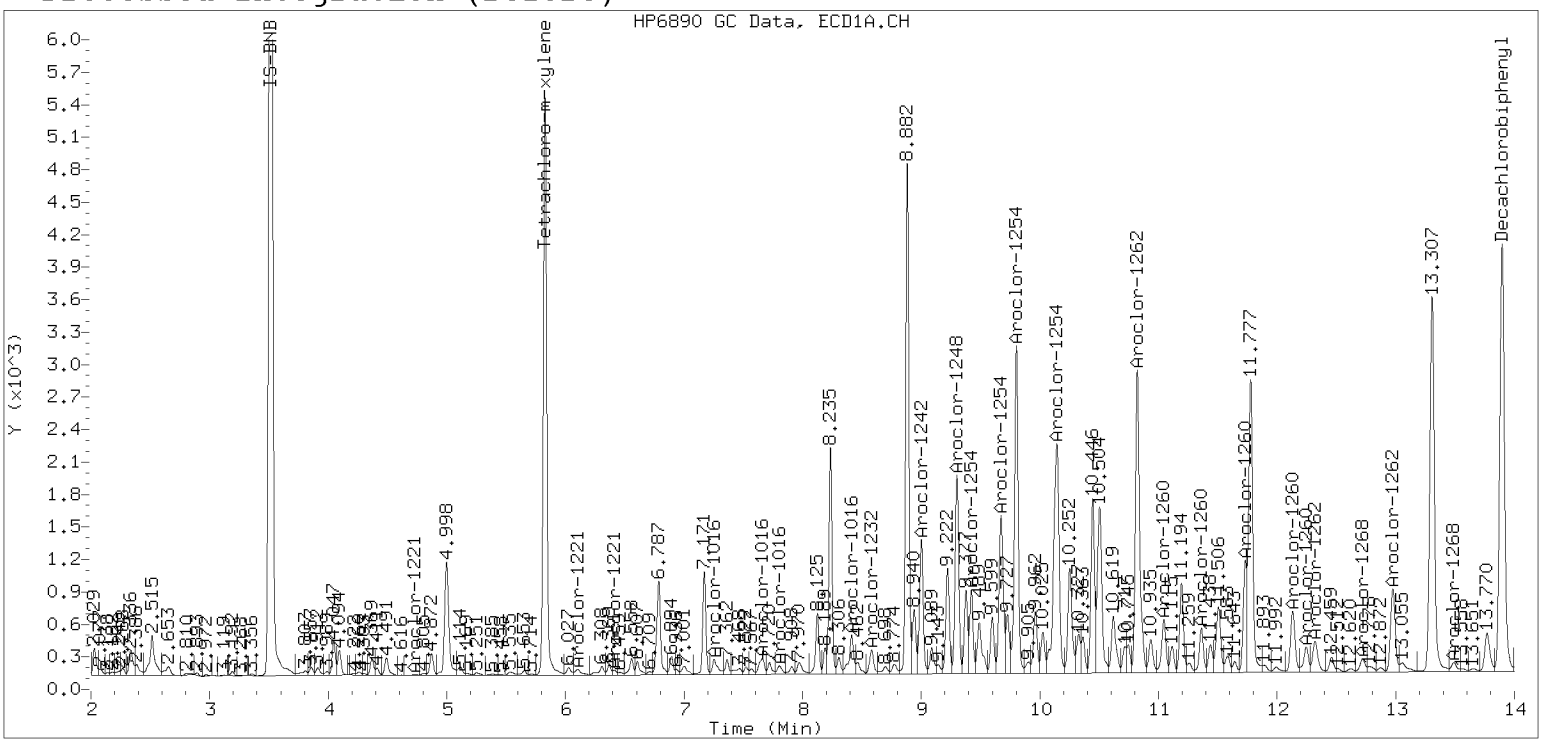
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212245ECD7.D Injection Date: 22-DEC-2022 07:18

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC813

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-04 B	File ID:	12212246ECD7.D
Sampled:	12/05/22 13:45	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 07:39
% Solids:	40.40	Preparation:	EPA 3546 (Microwave)	Initial/Final:	30.97 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	31.2	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	42.3	1.6	4.0	P1
11096-82-5	Aroclor 1260	2	1	41.2	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9924*	*7.32*	*91.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9924*	*5.06*	*63.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9924*	*6.66*	*83.4*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9924*	*5.73*	*71.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212246ECD7.D
Data file 2: /221221.b/221221.b/12212246ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-04
Client ID:
Injection Date: 22-DEC-2022 07:39
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	196514	5.706	-0.004	117873	25.3	28.7	12.4	Tetrachloro-m-xylene
13.896	-0.008	174812	14.127	-0.004	167591	36.6	33.3	9.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	547725	22.4
Hexabromobiphenyl	798898	520757	-34.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	300030	20.4
Hexabromobiphenyl	362541	354045	-2.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.015	21913	93.0	1	8.316	-0.007	19408	158.3
Aroclor-1248	2	8.578	-0.027	21190	70.5	2	8.722	-0.005	15308	118.7
Aroclor-1248	3	8.998	-0.024	60320	111.5	3	9.154	-0.018	21002	133.9
Aroclor-1248	4	9.302	-0.009	67283	253.9	4	9.548	-0.044	39177	212.8
	Total Col1Ave (4 peaks):				132.2	Total Col2Ave (4 peaks):				156.0 RPD = 16
	Corrected Ave (3 peaks):				91.7	Corrected Ave (3 peaks):				137.0 RPD = 40
Aroclor-1254	1	9.302	-0.013	67283	139.5	1	9.453	-0.010	40644	210.1
Aroclor-1254	2	9.420	0.026	5065	27.0	2	9.972	-0.009	20930	134.6
Aroclor-1254	3	9.675	-0.011	60892	199.9	3	10.120	-0.012	72301	216.3
Aroclor-1254	4	9.800	-0.021	102599	172.8	4	10.368	-0.012	98736	285.2
Aroclor-1254	5	10.131	-0.045	66852	164.3	5	10.568	-0.011	68304	409.1
	Total Col1Ave (5 peaks):				140.7	Total Col2Ave (5 peaks):				251.0 RPD = 56*
	Corrected Ave (4 peaks):				125.9	Corrected Ave (4 peaks):				211.5 RPD = 51*
Aroclor-1260	1	11.046	-0.010	44416	234.3	1	11.657	-0.008	37222	199.2
Aroclor-1260	2	11.360	-0.014	31152	158.9	2	11.918	-0.010	77738	165.8
Aroclor-1260	3	11.730	-0.018	107888	209.4	3	12.436	-0.010	34481	276.1
Aroclor-1260	4	12.131	-0.018	53512	204.0	4	12.501	-0.010	57689	184.5
Aroclor-1260	5	12.245	-0.010	25071	233.5	NS	---			----
	Total Col1Ave (5 peaks):				208.0	Total Col2Ave (4 peaks):				206.4 RPD = 1
	Corrected Ave (4 peaks):				201.4	Corrected Ave (3 peaks):				183.2 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2084970 Col1 Total PCB = 0.4 ppm*

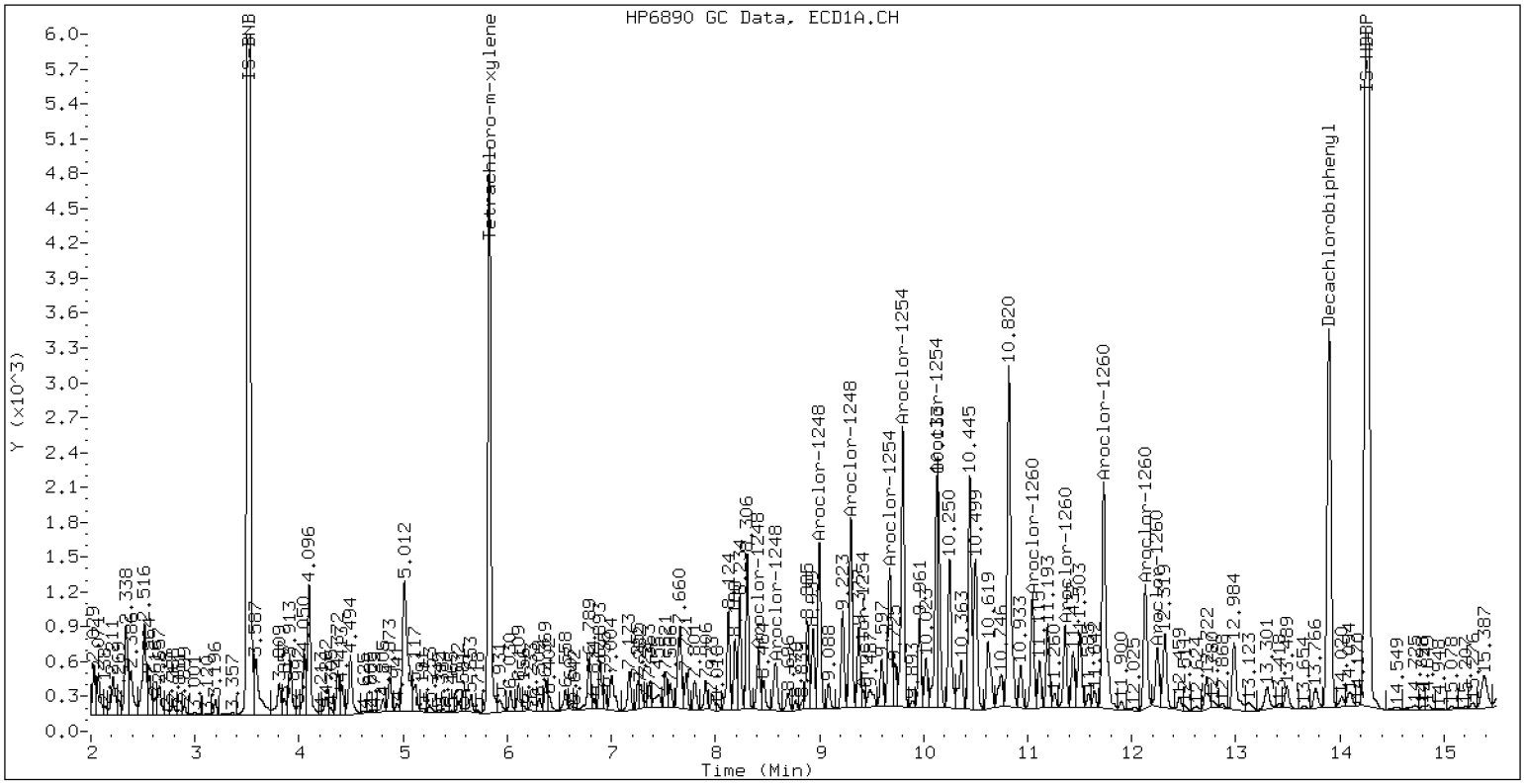
Total PCB Area Col2 (5.810 - 14.032) = 1482841 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

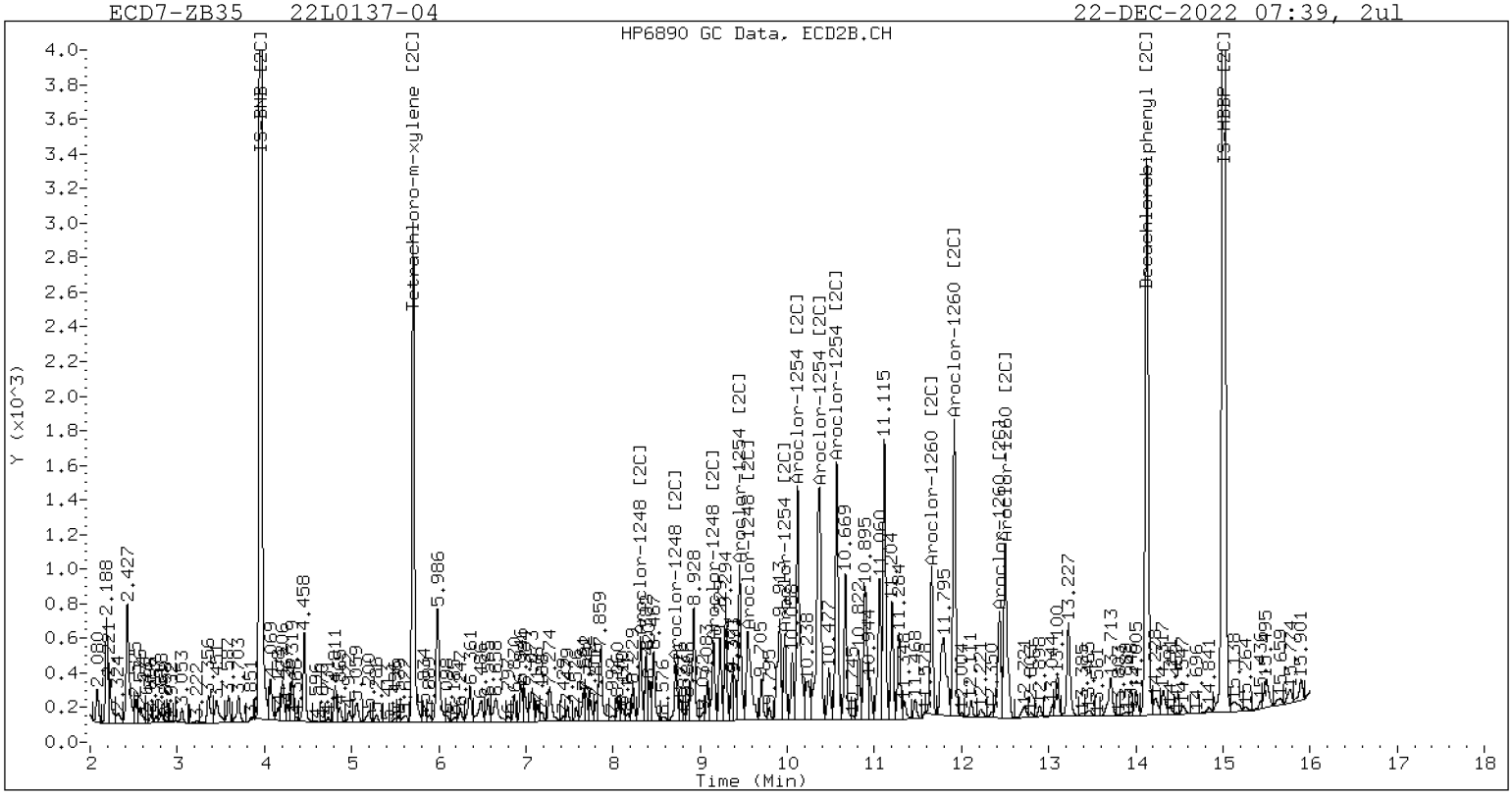
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-04 22-DEC-2022 07:39, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-04 22-DEC-2022 07:39, 2ul

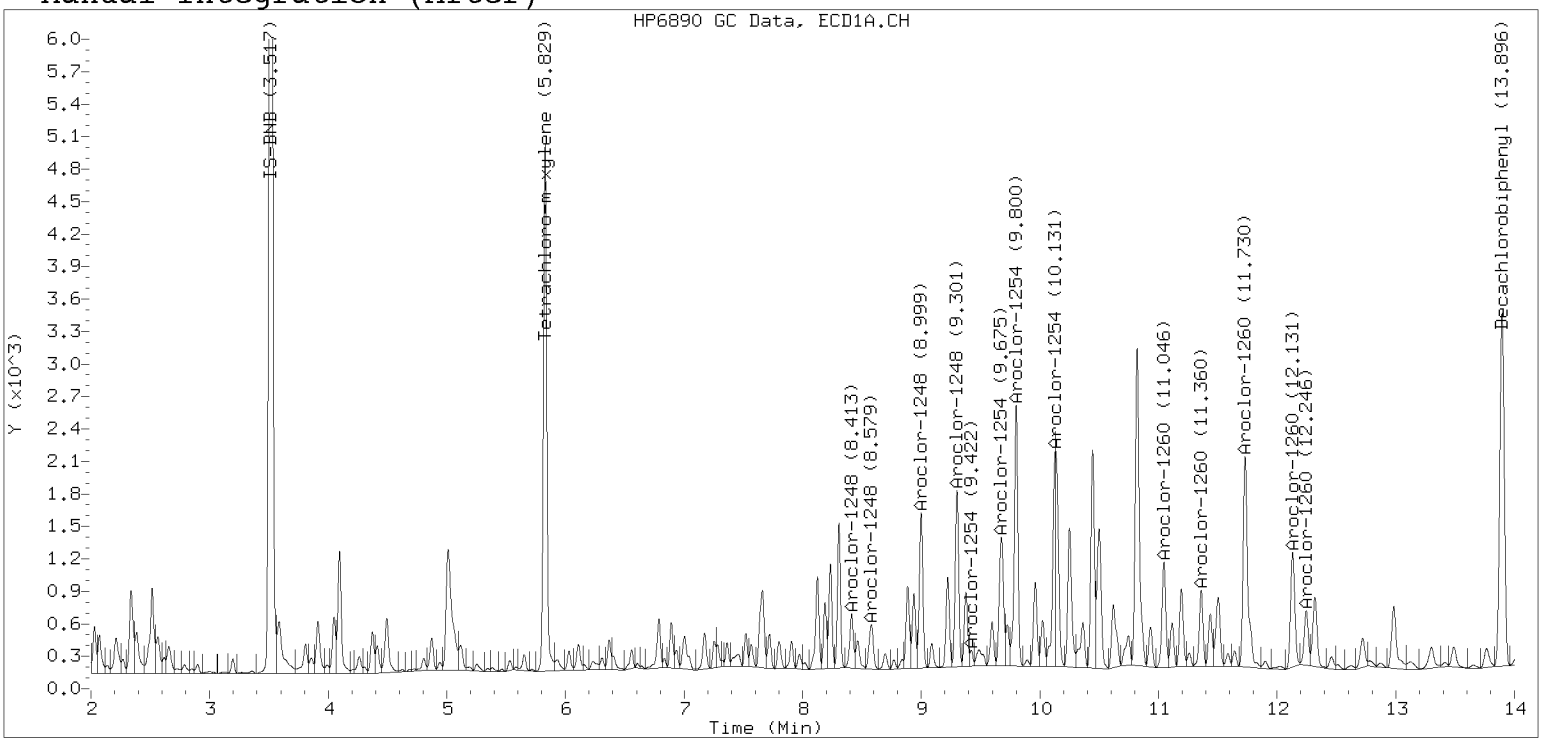


ZB-35 Manual Integration: NO

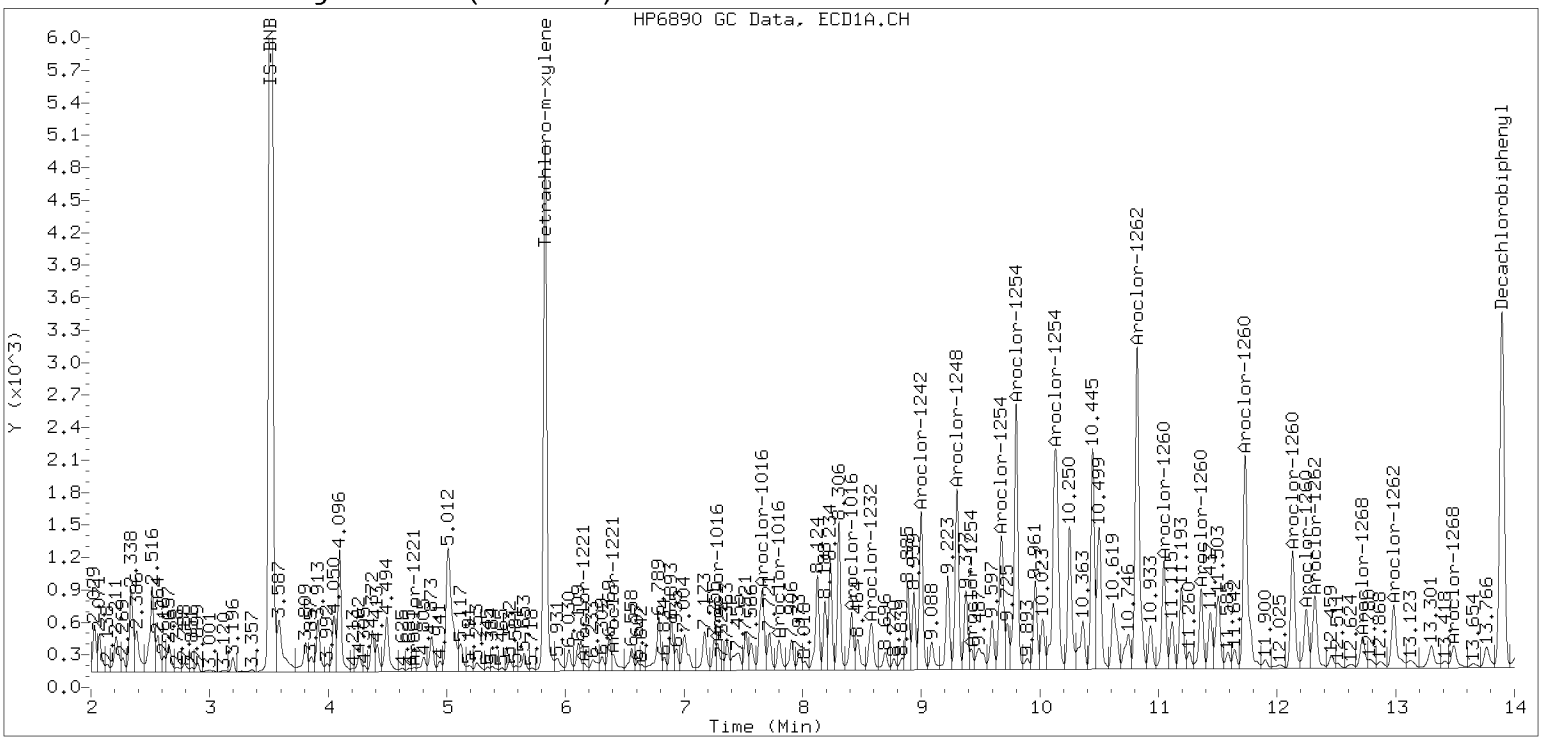
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212246ECD7.D Injection Date: 22-DEC-2022 07:39

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784B

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-05 B	File ID:	12222229ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 01:44
% Solids:	50.71	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.68 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	15.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	18.9	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	25.2	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9903*	*7.59*	*95.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9903*	*5.30*	*66.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222229ECD7.D
Data file 2: /221222.b/221222.b/12222229ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-05
Client ID:
Injection Date: 23-DEC-2022 01:44
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.004	201365	5.706	-0.008	117732	26.5	28.7	7.9	Tetrachloro-m-xylene
13.898	-0.006	202060	14.126	-0.011	177068	38.0	33.7	12.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	535444	19.6
Hexabromobiphenyl	798898	580047	-27.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	298955	20.0
Hexabromobiphenyl	362541	370410	2.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.016	21617	93.9	1	8.315	-0.011	12891	105.6
Aroclor-1248	2	8.580	-0.024	16435	55.9	2	8.720	-0.013	10399	81.0
Aroclor-1248	3	8.999	-0.023	40353	76.3	3	9.152	-0.025	12591	80.6
Aroclor-1248	4	9.300	-0.011	45518	175.7	4	9.546	-0.057	23620	128.8
		Total Col1Ave (4 peaks):			100.5		Total Col2Ave (4 peaks):			99.0 RPD = 1
		Corrected Ave (3 peaks):			75.4		Corrected Ave (3 peaks):			89.0 RPD = 17
Aroclor-1254	1	9.300	-0.021	45518	96.6	1	9.451	-0.015	24905	129.2
Aroclor-1254	2	9.421	0.019	5386	29.4	2	9.970	-0.017	12244	79.0
Aroclor-1254	3	9.674	-0.020	40210	135.0	3	10.117	-0.022	44215	132.7
Aroclor-1254	4	9.800	-0.031	67659	116.6	4	10.366	-0.024	53907	156.3
Aroclor-1254	5	10.133	-0.057	84659	212.8	5	10.567	-0.019	41802	251.2
		Total Col1Ave (5 peaks):			118.1		Total Col2Ave (5 peaks):			149.7 RPD = 24
		Corrected Ave (4 peaks):			94.4		Corrected Ave (4 peaks):			124.3 RPD = 27
Aroclor-1260	1	11.046	-0.010	29375	139.1	1	11.656	-0.013	22152	113.3
Aroclor-1260	2	11.359	-0.014	21871	100.2	2	11.917	-0.016	44589	90.9
Aroclor-1260	3	11.730	-0.017	69960	121.9	3	12.436	-0.016	20618	157.8
Aroclor-1260	4	12.131	-0.018	35215	120.5	4	12.500	-0.016	33234	101.6
Aroclor-1260	5	12.246	-0.012	17723	148.2	NS	---			----
		Total Col1Ave (5 peaks):			126.0		Total Col2Ave (4 peaks):			115.9 RPD = 8
		Corrected Ave (4 peaks):			120.4		Corrected Ave (3 peaks):			101.9 RPD = 17
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1408912 Col1 Total PCB = 0.3 ppm*

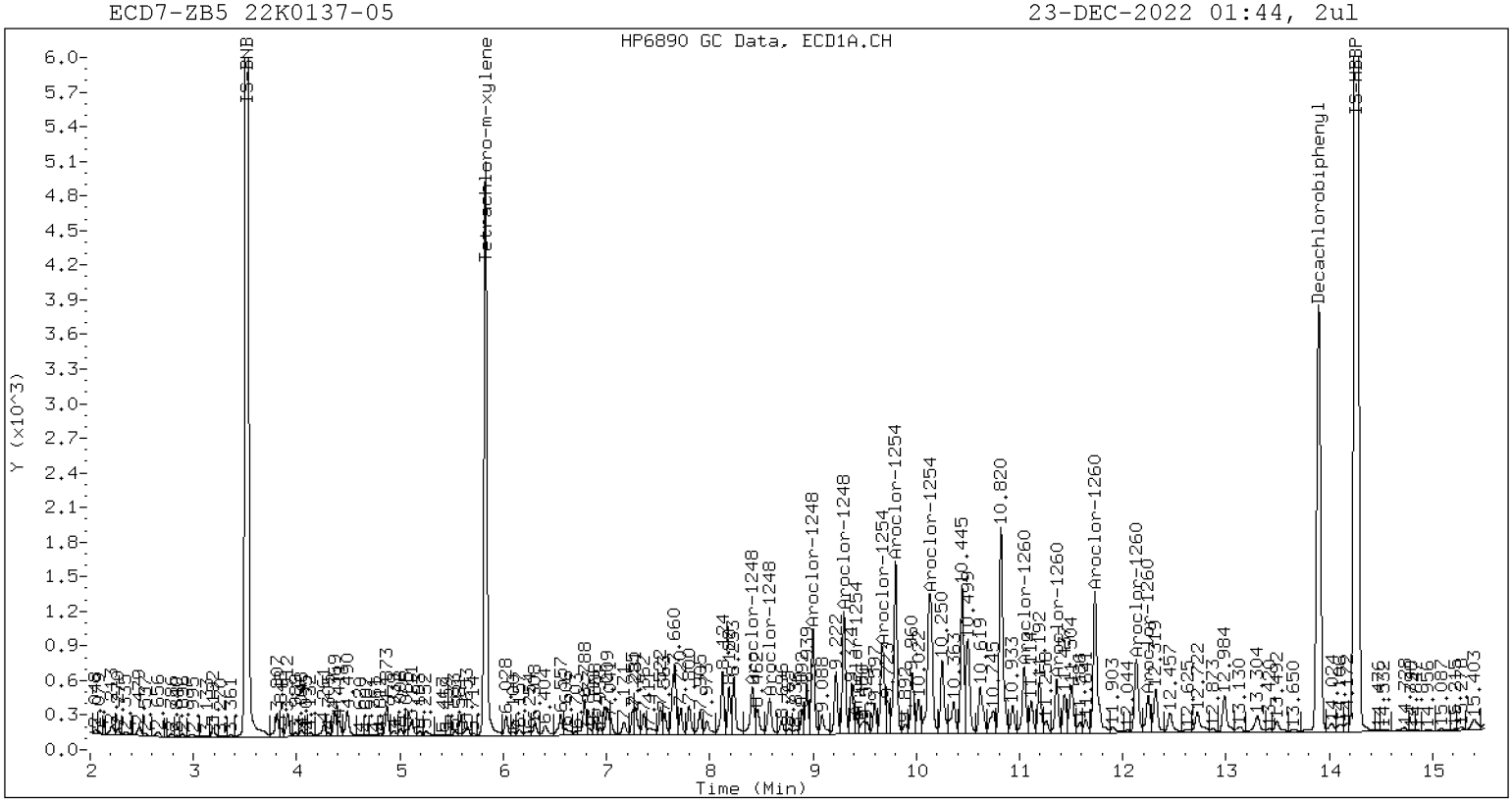
Total PCB Area Col2 (5.813 - 14.037) = 849037 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

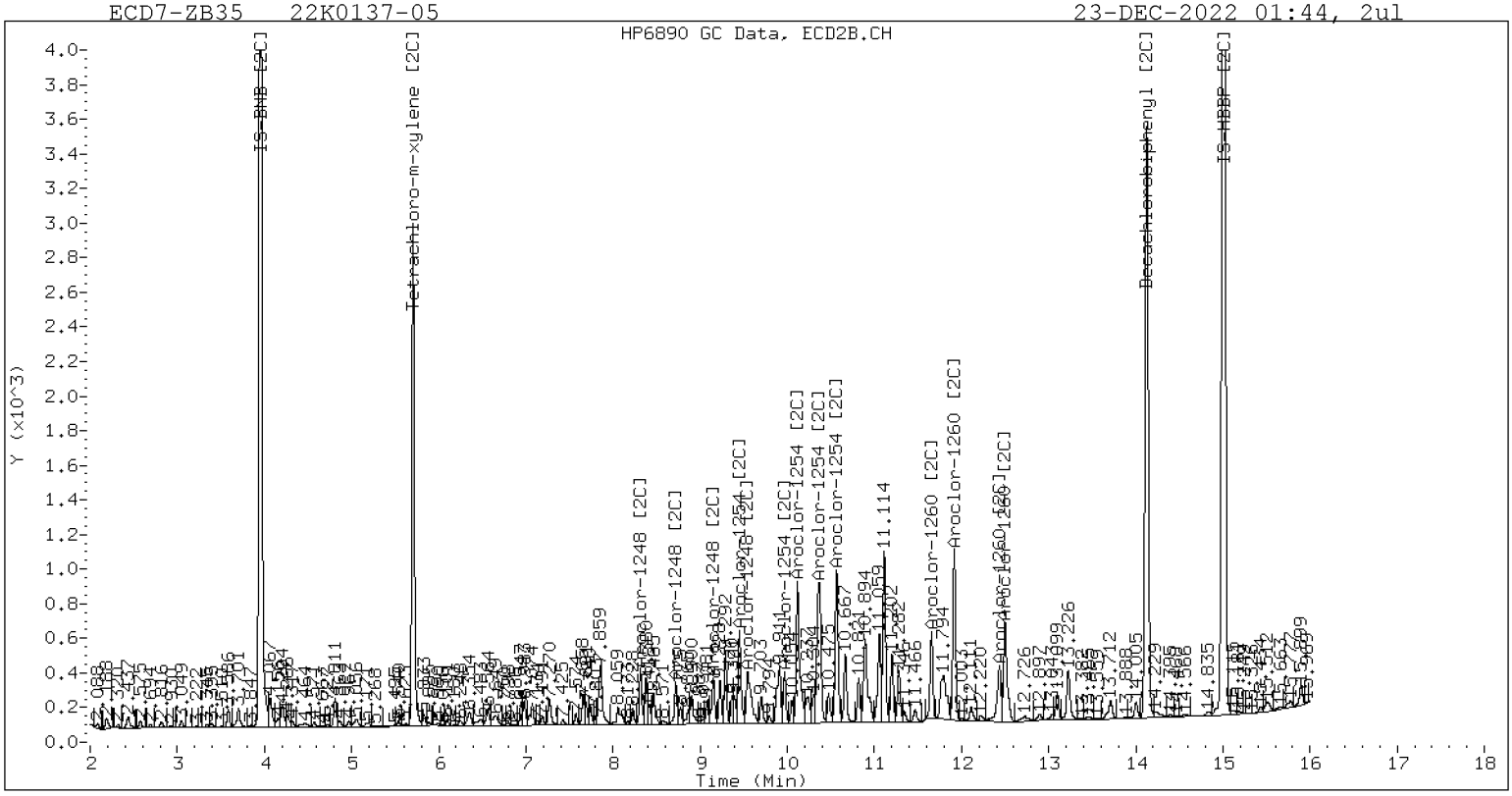
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-05 23-DEC-2022 01:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-05 23-DEC-2022 01:44, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784B-FD

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-06 B	File ID:	12222230ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:06
% Solids:	52.12	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.98 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	13.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	16.7	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	25.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0010*	*7.29*	*91.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0010*	*5.43*	*67.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222230ECD7.D
Data file 2: /221222.b/221222.b/12222230ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-06
Client ID:
Injection Date: 23-DEC-2022 02:06
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.827	-0.006	211423	5.704	-0.010	123529	27.2	29.5	8.4	Tetrachloro-m-xylene
13.896	-0.007	194278	14.126	-0.010	173617	36.5	32.7	10.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	549444	22.7
Hexabromobiphenyl	798898	581383	-27.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	305112	22.5
Hexabromobiphenyl	362541	373948	3.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.411	-0.016	19413	82.2	1	8.315	-0.011	11763	94.4
Aroclor-1248	2	8.580	-0.024	14440	47.9	2	8.719	-0.013	9228	70.4
Aroclor-1248	3	8.999	-0.023	36345	67.0	3	9.153	-0.025	11737	73.6
Aroclor-1248	4	9.300	-0.011	40240	151.4	4	9.546	-0.056	21903	117.0
		Total Col1Ave (4 peaks):			87.1		Total Col2Ave (4 peaks):			88.8 RPD = 2
		Corrected Ave (3 peaks):			65.7		Corrected Ave (3 peaks):			79.5 RPD = 19
Aroclor-1254	1	9.300	-0.021	40240	83.2	1	9.452	-0.015	22979	116.8
Aroclor-1254	2	9.420	0.018	4996	26.6	2	9.970	-0.016	10156	64.2
Aroclor-1254	3	9.676	-0.018	37913	124.1	3	10.118	-0.021	39704	116.8
Aroclor-1254	4	9.800	-0.030	59508	99.9	4	10.368	-0.021	48426	137.5
Aroclor-1254	5	10.130	-0.059	75160	184.1	5	10.567	-0.019	38938	229.3
		Total Col1Ave (5 peaks):			103.6		Total Col2Ave (5 peaks):			132.9 RPD = 25
		Corrected Ave (4 peaks):			83.4		Corrected Ave (4 peaks):			108.8 RPD = 26
Aroclor-1260	1	11.046	-0.010	27750	131.1	1	11.656	-0.013	21122	107.0
Aroclor-1260	2	11.359	-0.014	20936	95.7	2	11.917	-0.016	44476	89.8
Aroclor-1260	3	11.731	-0.015	76262	132.6	3	12.433	-0.019	25047	189.9
Aroclor-1260	4	12.131	-0.017	35635	121.7	4	12.501	-0.016	33303	100.9
Aroclor-1260	5	12.246	-0.012	19156	159.8	NS	---			----
		Total Col1Ave (5 peaks):			128.2		Total Col2Ave (4 peaks):			121.9 RPD = 5
		Corrected Ave (4 peaks):			120.3		Corrected Ave (3 peaks):			99.2 RPD = 19
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1347559 Col1 Total PCB = 0.3 ppm*

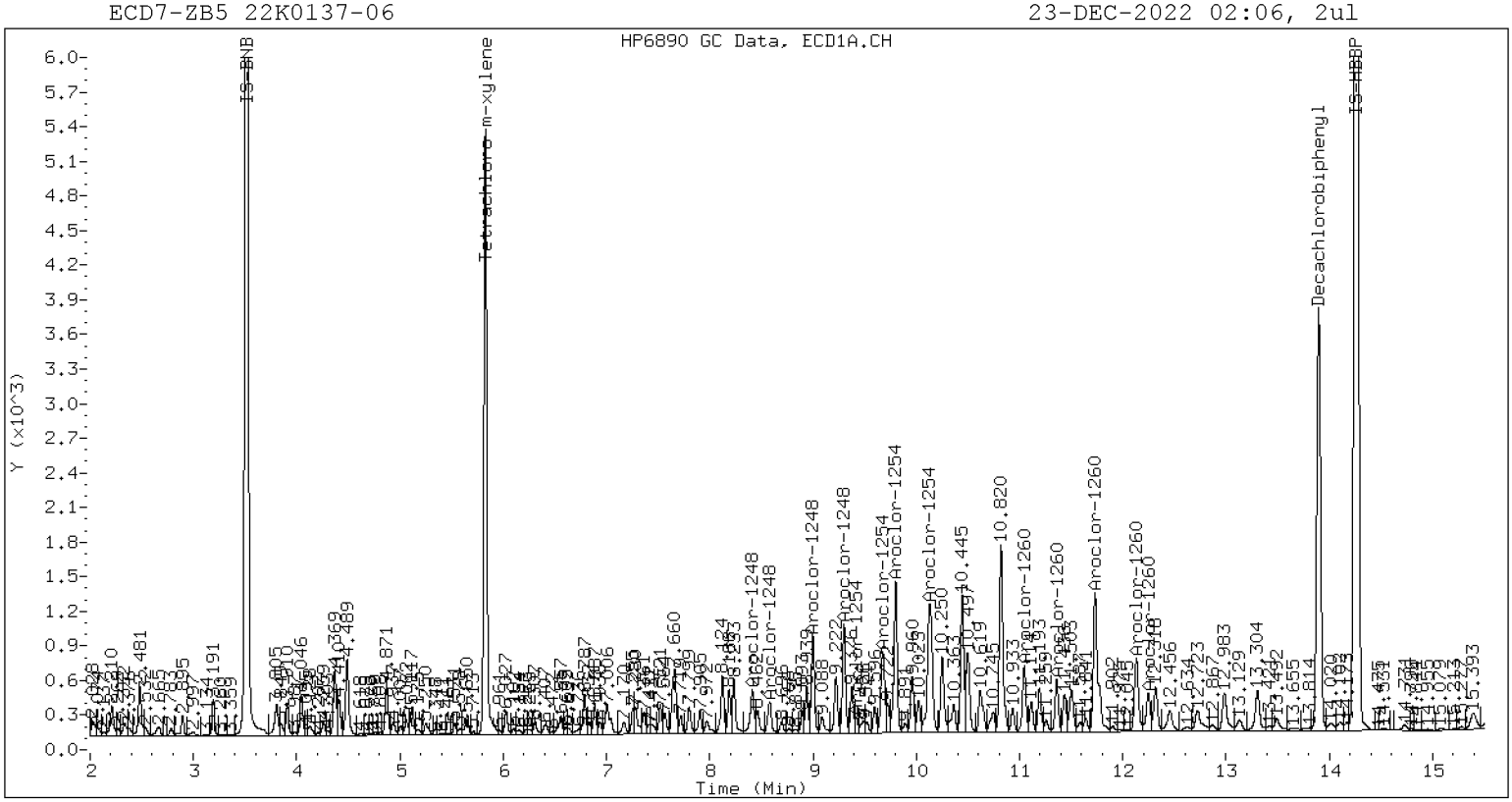
Total PCB Area Col2 (5.813 - 14.037) = 826581 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

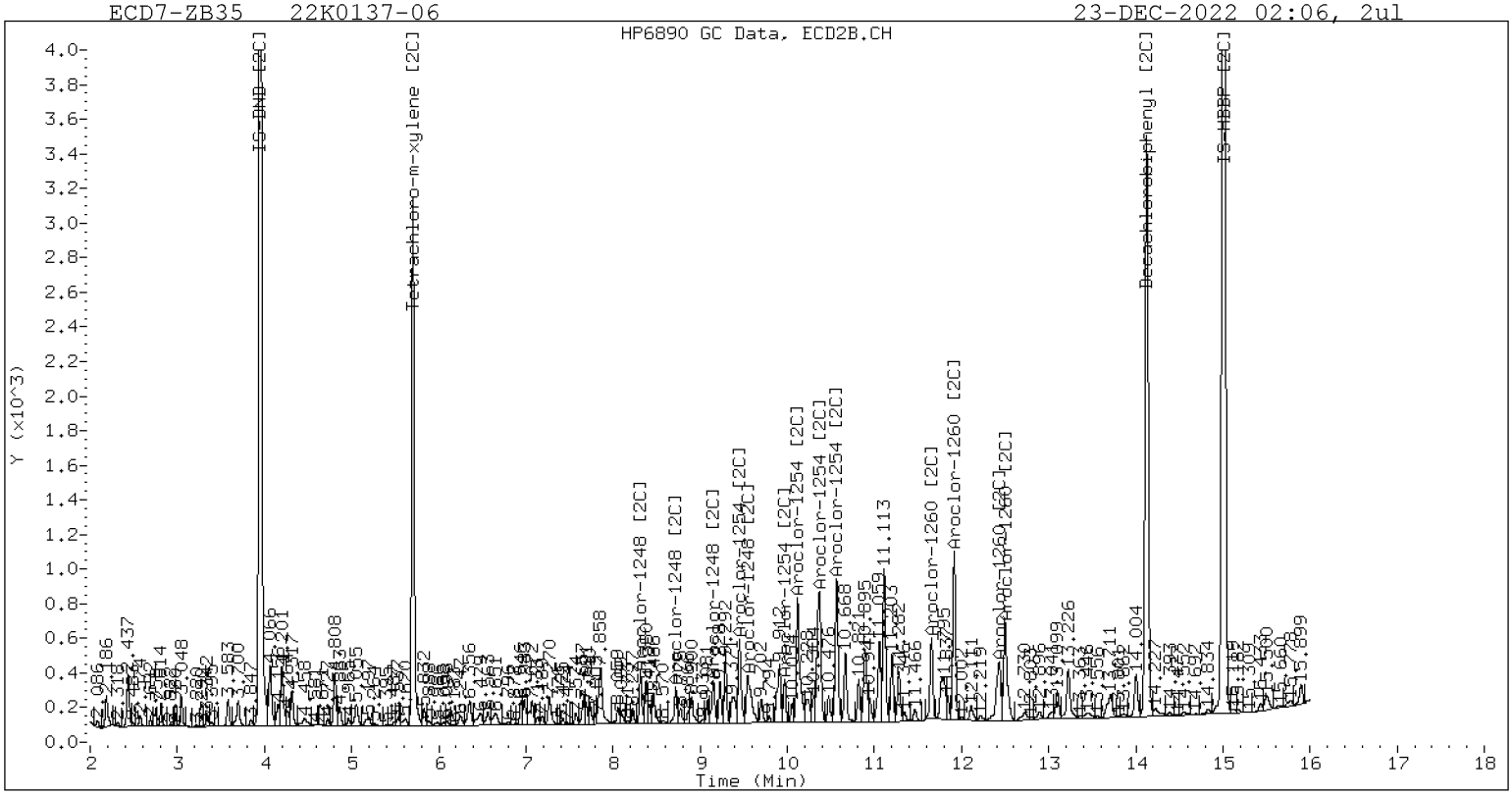
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-06 23-DEC-2022 02:06, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-06 23-DEC-2022 02:06, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-07 B	File ID:	12222231ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:27
% Solids:	52.54	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.81 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	17.3	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	21.6	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	27.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9938*	*6.63*	*82.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9938*	*4.94*	*61.8*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222231ECD7.D
Data file 2: /221222.b/221222.b/12222231ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-07
Client ID:
Injection Date: 23-DEC-2022 02:27
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	198506	5.705	-0.008	117349	24.7	26.3	6.2	Tetrachloro-m-xylene
13.896	-0.008	179300	14.126	-0.011	162668	33.2	29.8	10.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	566643	26.6
Hexabromobiphenyl	798898	589928	-26.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	325588	30.7
Hexabromobiphenyl	362541	384095	5.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.015	24517	100.6	1	8.315	-0.011	17803	133.8
Aroclor-1248	2	8.580	-0.024	19211	61.8	2	8.720	-0.012	12462	89.1
Aroclor-1248	3	8.999	-0.024	54303	97.0	3	9.153	-0.025	17415	102.3
Aroclor-1248	4	9.300	-0.011	58954	215.0	4	9.628	0.026	2378	11.9
	Total Col1Ave (4 peaks):				118.6	Total Col2Ave (4 peaks):				84.3 RPD = 34
	Corrected Ave (3 peaks):				86.5	Corrected Ave (3 peaks):				67.8 RPD = 24
Aroclor-1254	1	9.300	-0.021	58954	118.2	1	9.452	-0.015	32251	153.6
Aroclor-1254	2	9.420	0.019	5218	26.9	2	9.970	-0.017	15939	94.4
Aroclor-1254	3	9.673	-0.021	48324	153.4	3	10.118	-0.022	57714	159.1
Aroclor-1254	4	9.800	-0.031	84164	137.0	4	10.364	-0.025	68260	181.7
Aroclor-1254	5	10.133	-0.056	103490	245.8	5	10.567	-0.019	48997	270.4
	Total Col1Ave (5 peaks):				136.2	Total Col2Ave (5 peaks):				171.8 RPD = 23
	Corrected Ave (4 peaks):				108.9	Corrected Ave (4 peaks):				147.2 RPD = 30
Aroclor-1260	1	11.045	-0.011	32230	150.1	1	11.656	-0.013	25721	126.9
Aroclor-1260	2	11.359	-0.014	23910	107.7	2	11.916	-0.017	51913	102.0
Aroclor-1260	3	11.730	-0.017	83198	142.6	3	12.435	-0.017	24547	181.2
Aroclor-1260	4	12.131	-0.018	39713	133.6	4	12.499	-0.017	38280	112.9
Aroclor-1260	5	12.245	-0.013	18758	154.2	NS	---			----
	Total Col1Ave (5 peaks):				137.6	Total Col2Ave (4 peaks):				130.7 RPD = 5
	Corrected Ave (4 peaks):				133.5	Corrected Ave (3 peaks):				113.9 RPD = 16
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1648213 Col1 Total PCB = 0.3 ppm*

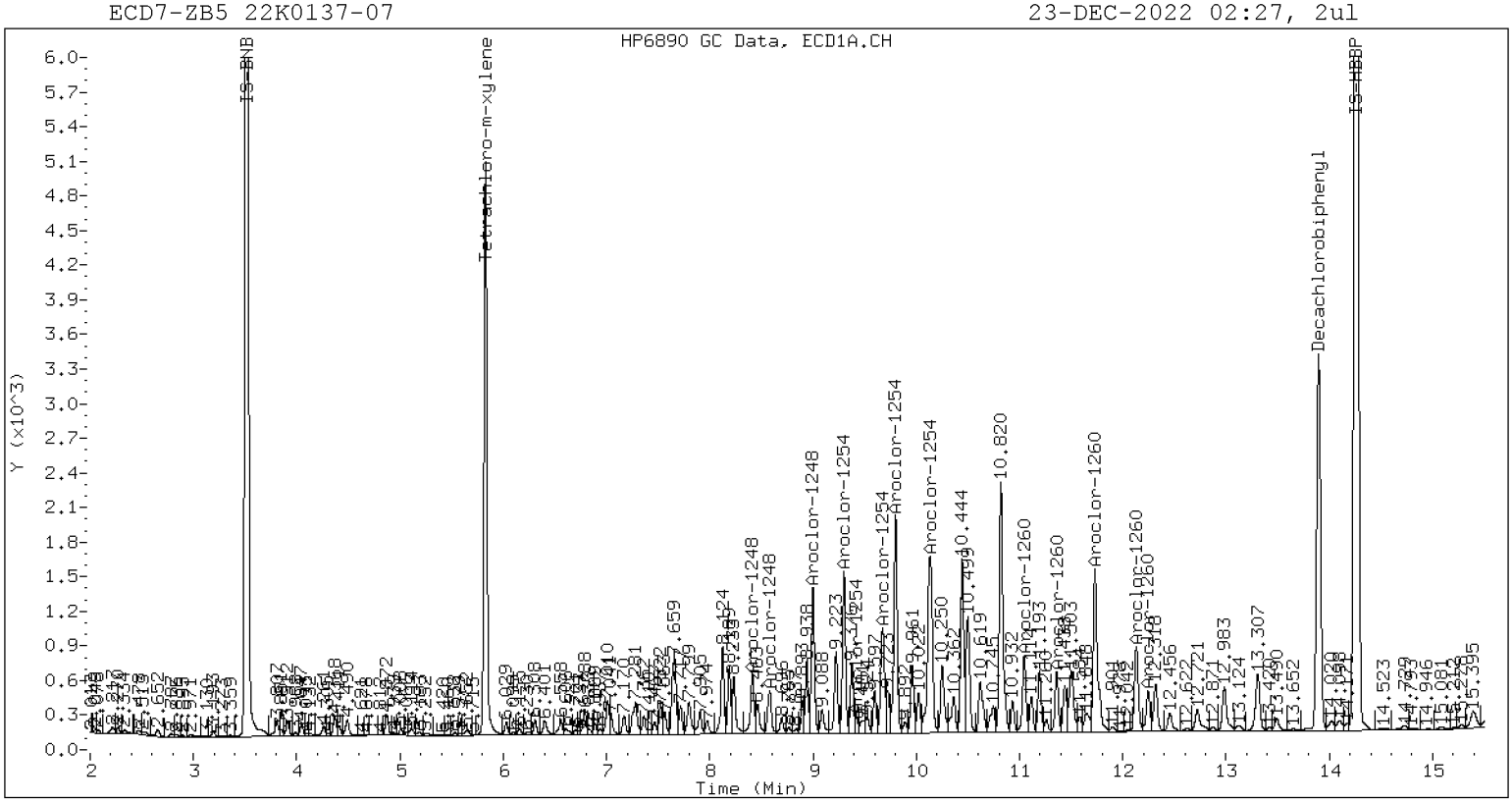
Total PCB Area Col2 (5.813 - 14.037) = 1039094 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

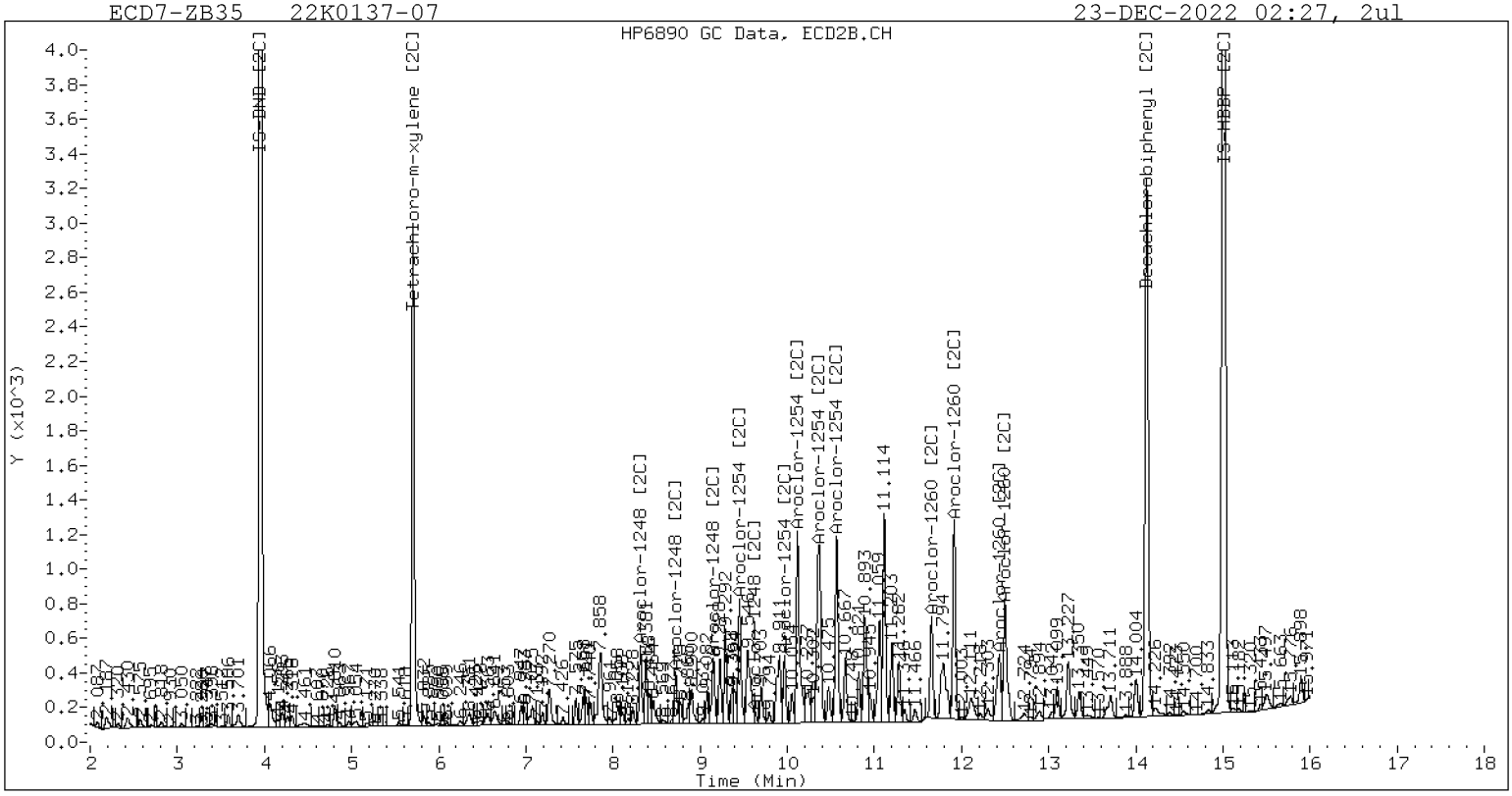
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-07 23-DEC-2022 02:27, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-07 23-DEC-2022 02:27, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-08 B	File ID:	12222232ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:48
% Solids:	51.88	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.12 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	26.8	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	34.2	1.6	4.0	P1
11096-82-5	Aroclor 1260	1	1	55.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9914*	*6.98*	*87.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9914*	*5.09*	*63.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222232ECD7.D
Data file 2: /221222.b/221222.b/12222232ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-08
Client ID:
Injection Date: 23-DEC-2022 02:48
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	192293	5.704	-0.009	114745	25.5	27.6	8.2	Tetrachloro-m-xylene
13.897	-0.007	171458	14.126	-0.011	163147	34.9	32.2	8.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	532980	19.1
Hexabromobiphenyl	798898	535592	-33.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	302957	21.6
Hexabromobiphenyl	362541	356445	-1.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.411	-0.017	34269	149.5	1	8.314	-0.012	22061	178.2
Aroclor-1248	2	8.580	-0.025	26508	90.6	2	8.720	-0.013	19260	148.0
Aroclor-1248	3	8.998	-0.024	85744	162.9	3	9.152	-0.026	26055	164.6
Aroclor-1248	4	9.300	-0.011	92570	359.0	4	9.627	0.025	3485	18.7
		Total Col1Ave (4 peaks):			190.5	Total Col2Ave (4 peaks):				127.4 RPD = 40
		Corrected Ave (3 peaks):			134.3	Corrected Ave (3 peaks):				110.4 RPD = 20
Aroclor-1254	1	9.300	-0.021	92570	197.3	1	9.451	-0.016	51291	262.6
Aroclor-1254	2	9.420	0.018	6461	35.4	2	9.969	-0.018	23655	150.6
Aroclor-1254	3	9.672	-0.023	67832	228.9	3	10.118	-0.022	95002	281.4
Aroclor-1254	4	9.800	-0.031	129001	223.3	4	10.369	-0.020	118436	338.8
Aroclor-1254	5	10.130	-0.060	172452	435.4	5	10.566	-0.021	90882	539.0
		Total Col1Ave (5 peaks):			224.1	Total Col2Ave (5 peaks):				314.5 RPD = 34
		Corrected Ave (4 peaks):			171.2	Corrected Ave (4 peaks):				258.4 RPD = 41*
Aroclor-1260	1	11.045	-0.010	60496	310.3	1	11.656	-0.013	48392	257.2
Aroclor-1260	2	11.360	-0.013	47693	236.5	2	11.916	-0.017	104959	222.3
Aroclor-1260	3	11.730	-0.016	140040	264.3	3	12.437	-0.015	35354	281.2
Aroclor-1260	4	12.131	-0.018	76972	285.3	4	12.500	-0.016	73458	233.4
Aroclor-1260	5	12.246	-0.012	32262	292.1	NS	---			----
		Total Col1Ave (5 peaks):			277.7	Total Col2Ave (4 peaks):				248.5 RPD = 11
		Corrected Ave (4 peaks):			269.6	Corrected Ave (3 peaks):				237.6 RPD = 13
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2476959 Col1 Total PCB = 0.5 ppm*

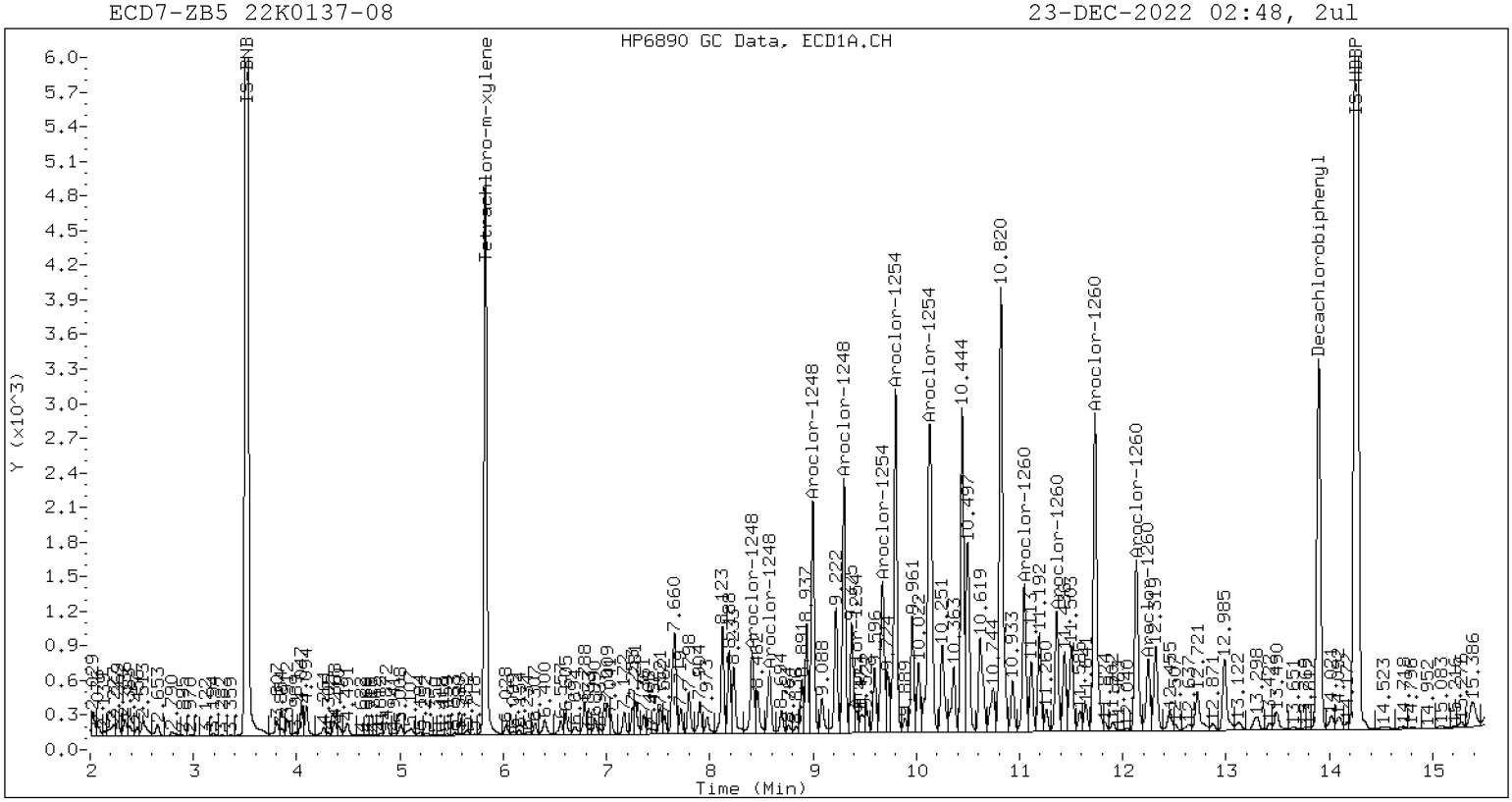
Total PCB Area Col2 (5.813 - 14.037) = 1628520 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

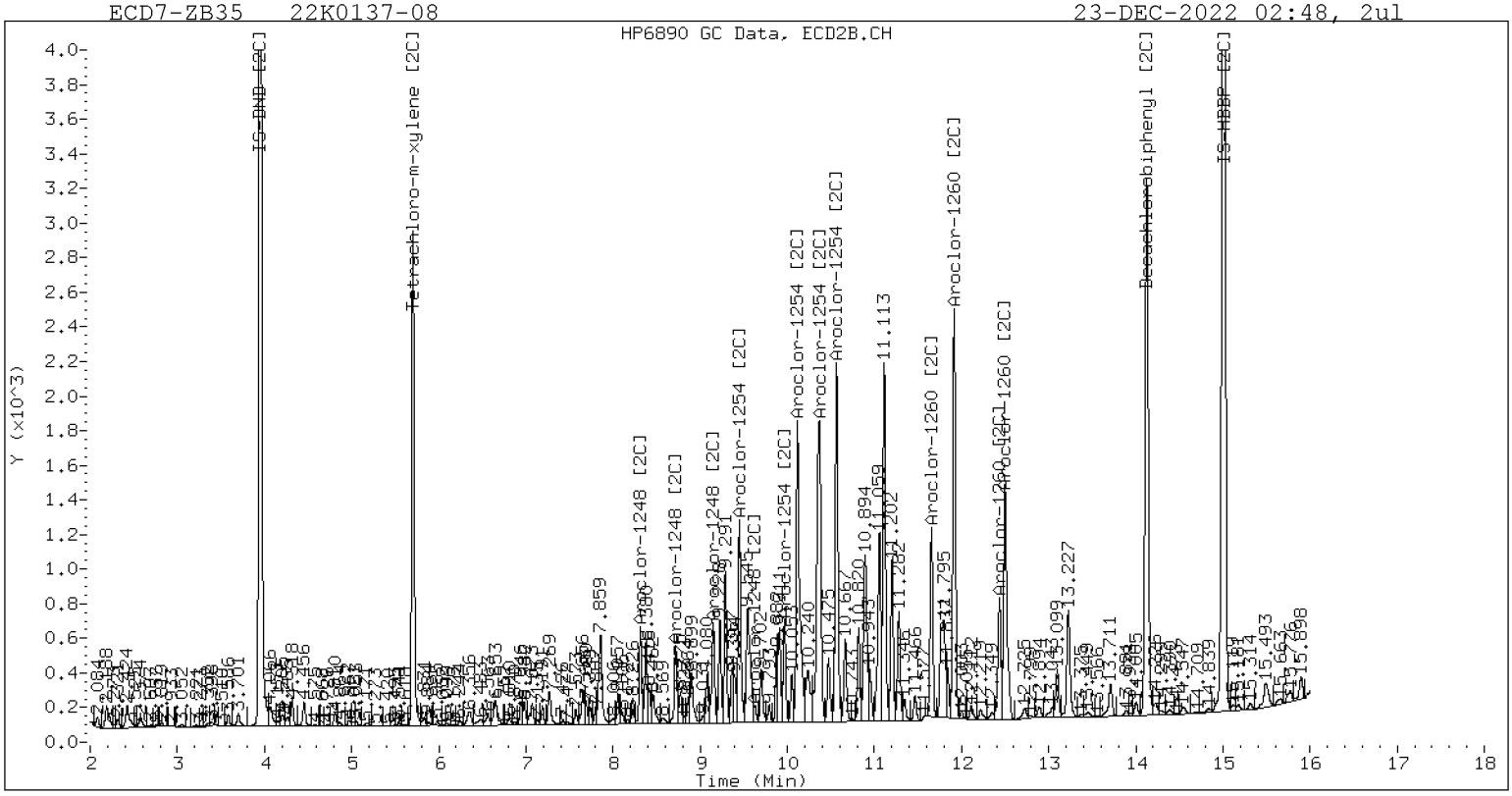
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-08 23-DEC-2022 02:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-08 23-DEC-2022 02:48, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784E

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-09 B	File ID:	12212251ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 09:25
% Solids:	53.30	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.51 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	30.9	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	72.5	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	60.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9803*	*6.67*	*83.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9803*	*4.90*	*61.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9803*	*6.31*	*79.1*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9803*	*5.28*	*66.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212251ECD7.D
Data file 2: /221221.b/221221.b/12212251ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-09
Client ID:
Injection Date: 22-DEC-2022 09:25
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	177312	5.706	-0.004	106940	24.6	26.5	7.4	Tetrachloro-m-xylene
13.897	-0.007	146659	14.128	-0.004	148340	33.4	31.6	5.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	509174	13.7
Hexabromobiphenyl	798898	478603	-40.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	294931	18.4
Hexabromobiphenyl	362541	330264	-8.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.411	-0.016	38386	175.3	1	8.316	-0.008	25380	210.6
Aroclor-1248	2	8.581	-0.024	28103	100.5	2	8.723	-0.004	24404	192.6
Aroclor-1248	3	8.998	-0.024	94819	188.6	3	9.154	-0.018	32827	213.0
Aroclor-1248	4	9.302	-0.009	100750	409.0	4	9.632	0.040	4516	25.0
		Total Col1Ave (4 peaks):			218.4	Total Col2Ave (4 peaks):				160.3 RPD = 31
		Corrected Ave (3 peaks):			154.8	Corrected Ave (3 peaks):				142.7 RPD = 8
Aroclor-1254	1	9.302	-0.013	100750	224.7	1	9.453	-0.010	57519	302.5
Aroclor-1254	2	9.420	0.026	3867	22.2	2	9.972	-0.009	30719	200.9
Aroclor-1254	3	9.671	-0.015	74337	262.5	3	10.120	-0.012	107446	327.0
Aroclor-1254	4	9.801	-0.020	141293	256.0	4	10.361	-0.019	139849	410.9
Aroclor-1254	5	10.137	-0.038	184835	488.5	5	10.569	-0.010	94333	574.7
		Total Col1Ave (5 peaks):			250.8	Total Col2Ave (5 peaks):				363.2 RPD = 37
		Corrected Ave (4 peaks):			191.4	Corrected Ave (4 peaks):				310.3 RPD = 47*
Aroclor-1260	1	11.046	-0.010	56638	325.1	1	11.658	-0.008	55520	318.5
Aroclor-1260	2	11.361	-0.014	44525	247.1	2	11.918	-0.009	113045	258.4
Aroclor-1260	3	11.731	-0.017	142234	300.4	3	12.437	-0.009	42131	361.7
Aroclor-1260	4	12.131	-0.017	79317	329.0	4	12.501	-0.010	80350	275.5
Aroclor-1260	5	12.246	-0.009	33814	342.6	NS	---			----
		Total Col1Ave (5 peaks):			308.8	Total Col2Ave (4 peaks):				303.5 RPD = 2
		Corrected Ave (4 peaks):			300.4	Corrected Ave (3 peaks):				284.1 RPD = 6
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2719385 Col1 Total PCB = 0.6 ppm*

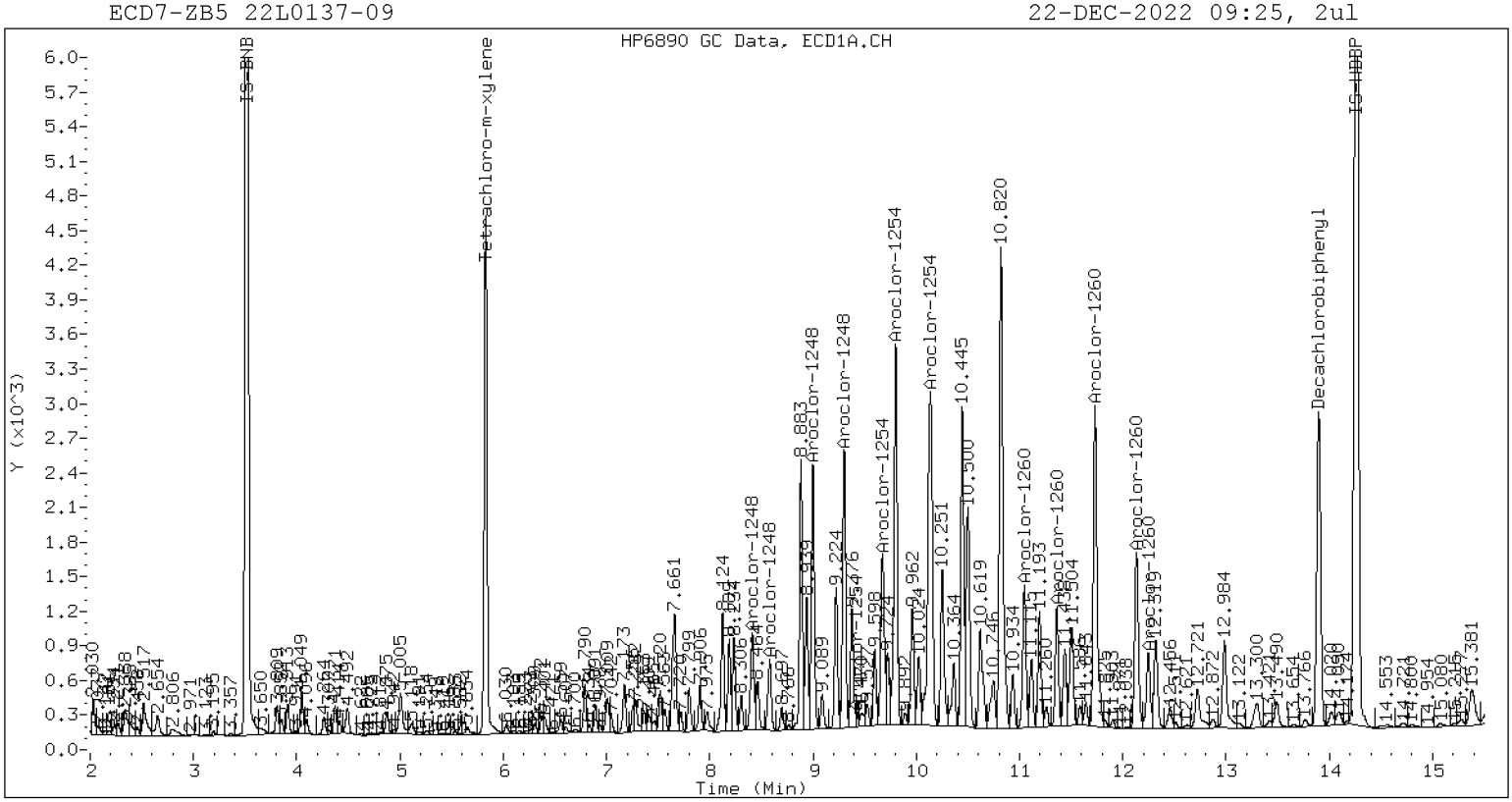
Total PCB Area Col2 (5.810 - 14.032) = 1924142 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

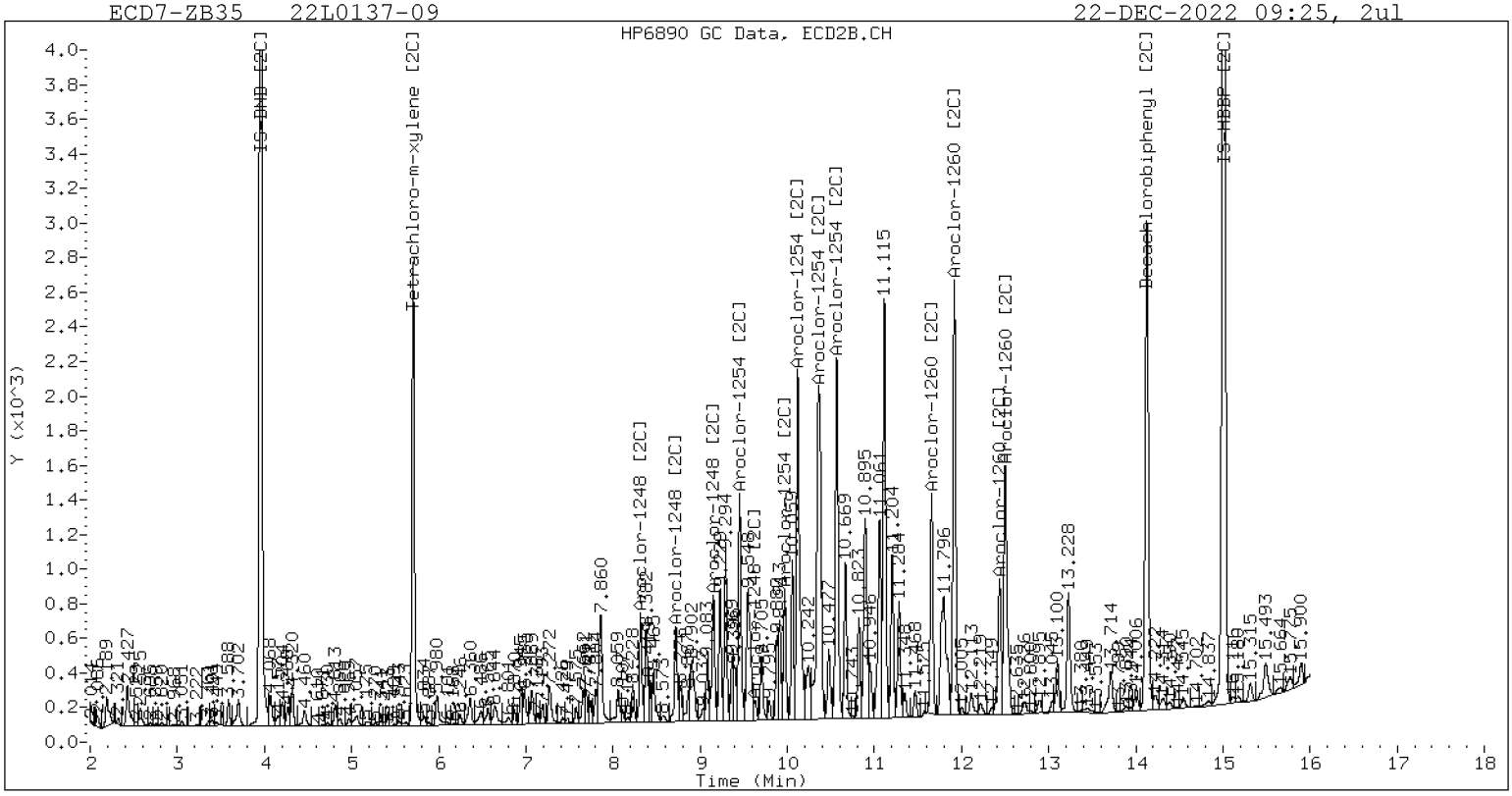
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-09 22-DEC-2022 09:25, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-09 22-DEC-2022 09:25, 2ul

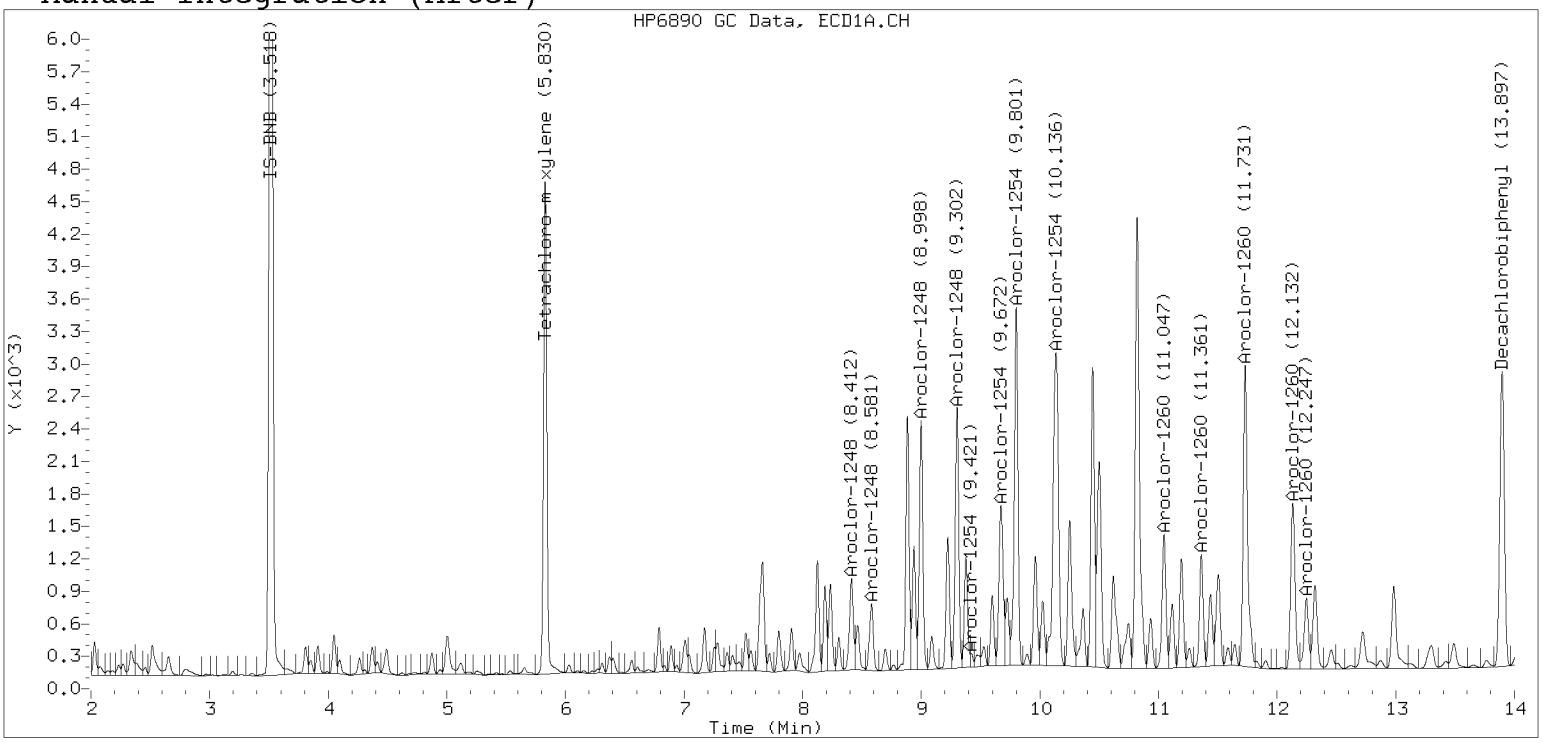


ZB-35 Manual Integration: NO

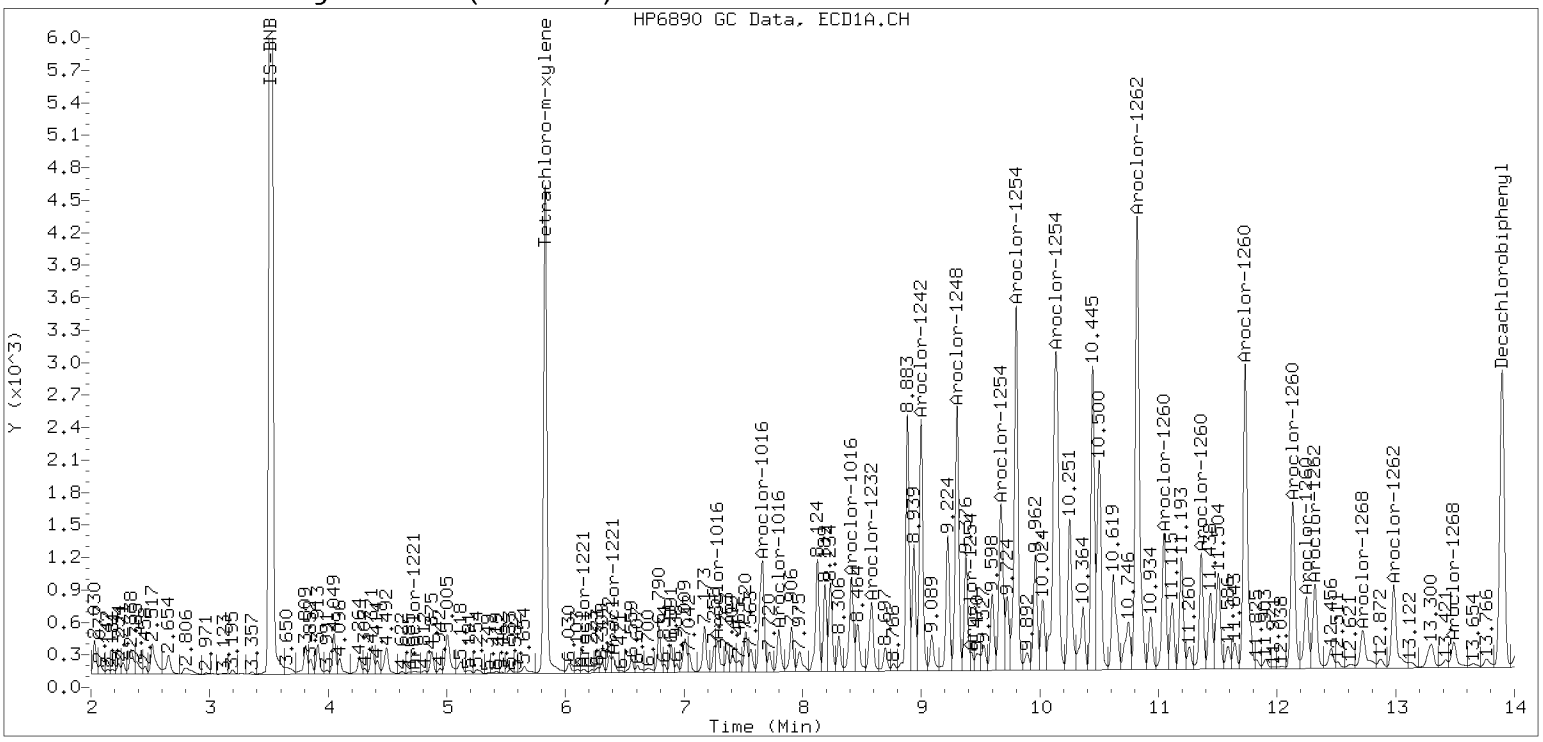
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212251ECD7.D Injection Date: 22-DEC-2022 09:25

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-10 B	File ID:	12212252ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 09:46
% Solids:	54.31	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.09 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	108	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	108	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	59.2	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9744*	*7.29*	*91.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9744*	*4.99*	*62.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9744*	*6.58*	*82.5*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9744*	*5.58*	*70.0*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212252ECD7.D
Data file 2: /221221.b/221221.b/12212252ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-10
Client ID:
Injection Date: 22-DEC-2022 09:46
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	185174	5.705	-0.006	113526	25.0	28.0	11.1	Tetrachloro-m-xylene
13.897	-0.006	165185	14.128	-0.004	158453	36.6	33.0	10.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	521997	16.6
Hexabromobiphenyl	798898	492511	-38.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	295950	18.8
Hexabromobiphenyl	362541	338234	-6.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.015	127655	568.8	1	8.315	-0.008	87776	726.0
Aroclor-1248	2	8.580	-0.024	90892	317.2	2	8.721	-0.006	86164	677.6
Aroclor-1248	3	8.999	-0.024	225909	438.2	3	9.153	-0.019	103496	669.1
Aroclor-1248	4	9.301	-0.010	214874	850.8	4	9.631	0.039	7460	41.1
		Total Col1Ave (4 peaks):			543.8	Total Col2Ave (4 peaks):				528.4 RPD = 3
		Corrected Ave (3 peaks):			441.4	Corrected Ave (3 peaks):				462.6 RPD = 5
Aroclor-1254	1	9.301	-0.014	214874	467.5	1	9.453	-0.010	107213	561.9
Aroclor-1254	2	9.376	-0.017	88225	493.6	2	9.971	-0.010	66048	430.5
Aroclor-1254	3	9.668	-0.018	136093	468.8	3	10.118	-0.014	181658	550.9
Aroclor-1254	4	9.801	-0.020	258435	456.7	4	10.360	-0.020	184722	540.9
Aroclor-1254	5	10.134	-0.042	121096	312.2	5	10.568	-0.011	101707	617.5
		Total Col1Ave (5 peaks):			439.8	Total Col2Ave (5 peaks):				540.3 RPD = 21
		Corrected Ave (4 peaks):			426.3	Corrected Ave (4 peaks):				521.1 RPD = 20
Aroclor-1260	1	11.046	-0.010	53527	298.6	1	11.657	-0.009	57604	322.6
Aroclor-1260	2	11.361	-0.014	44593	240.5	2	11.918	-0.009	94036	209.9
Aroclor-1260	3	11.732	-0.016	110832	227.5	3	12.433	-0.014	51404	430.9
Aroclor-1260	4	12.132	-0.017	67286	271.2	4	12.501	-0.011	66829	223.8
Aroclor-1260	5	12.247	-0.009	27573	271.5	NS	---			----
		Total Col1Ave (5 peaks):			261.9	Total Col2Ave (4 peaks):				296.8 RPD = 13
		Corrected Ave (4 peaks):			252.7	Corrected Ave (3 peaks):				252.1 RPD = 0
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 4941777 Col1 Total PCB = 1.0 ppm*

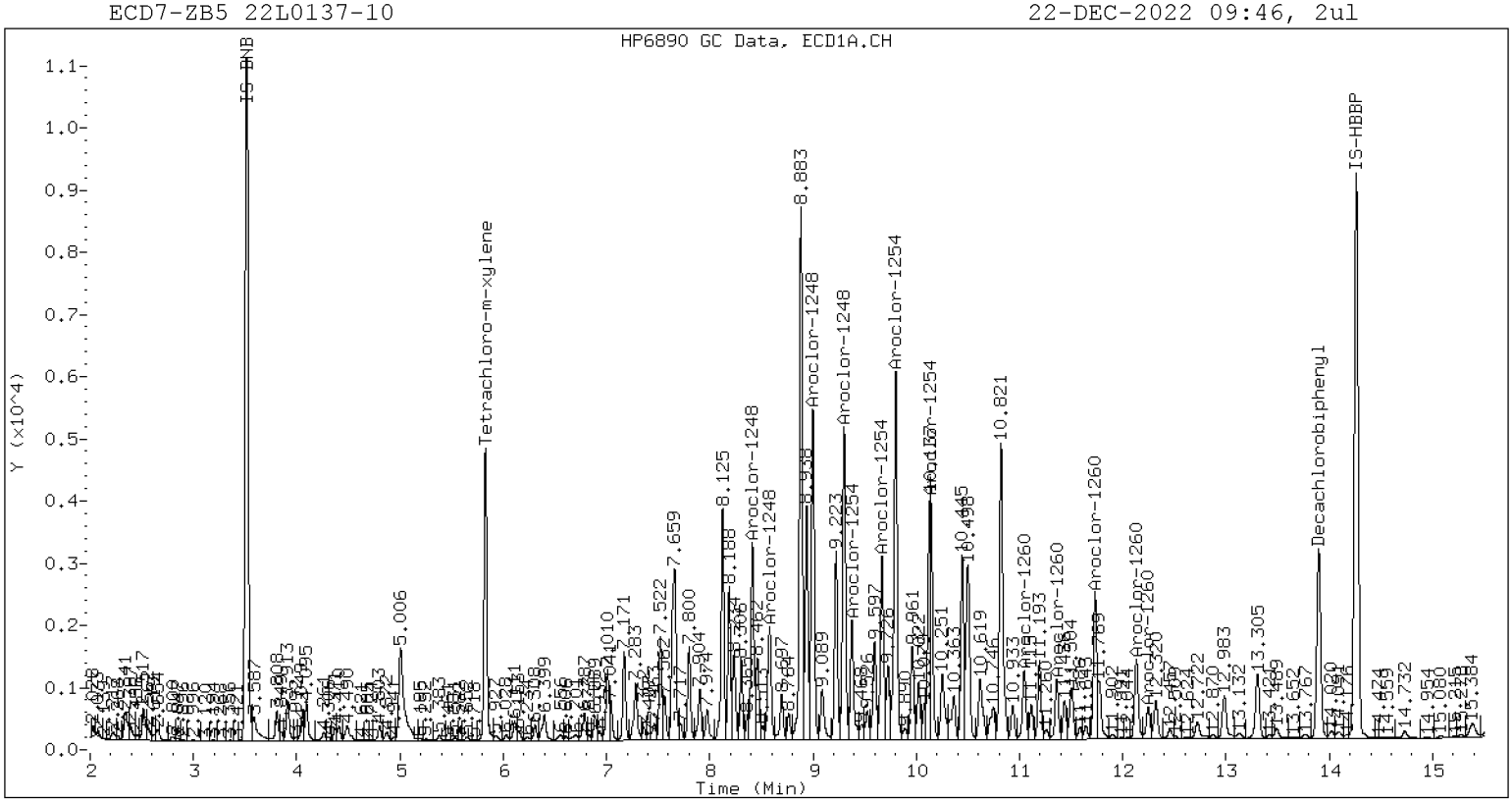
Total PCB Area Col2 (5.810 - 14.032) = 3108578 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

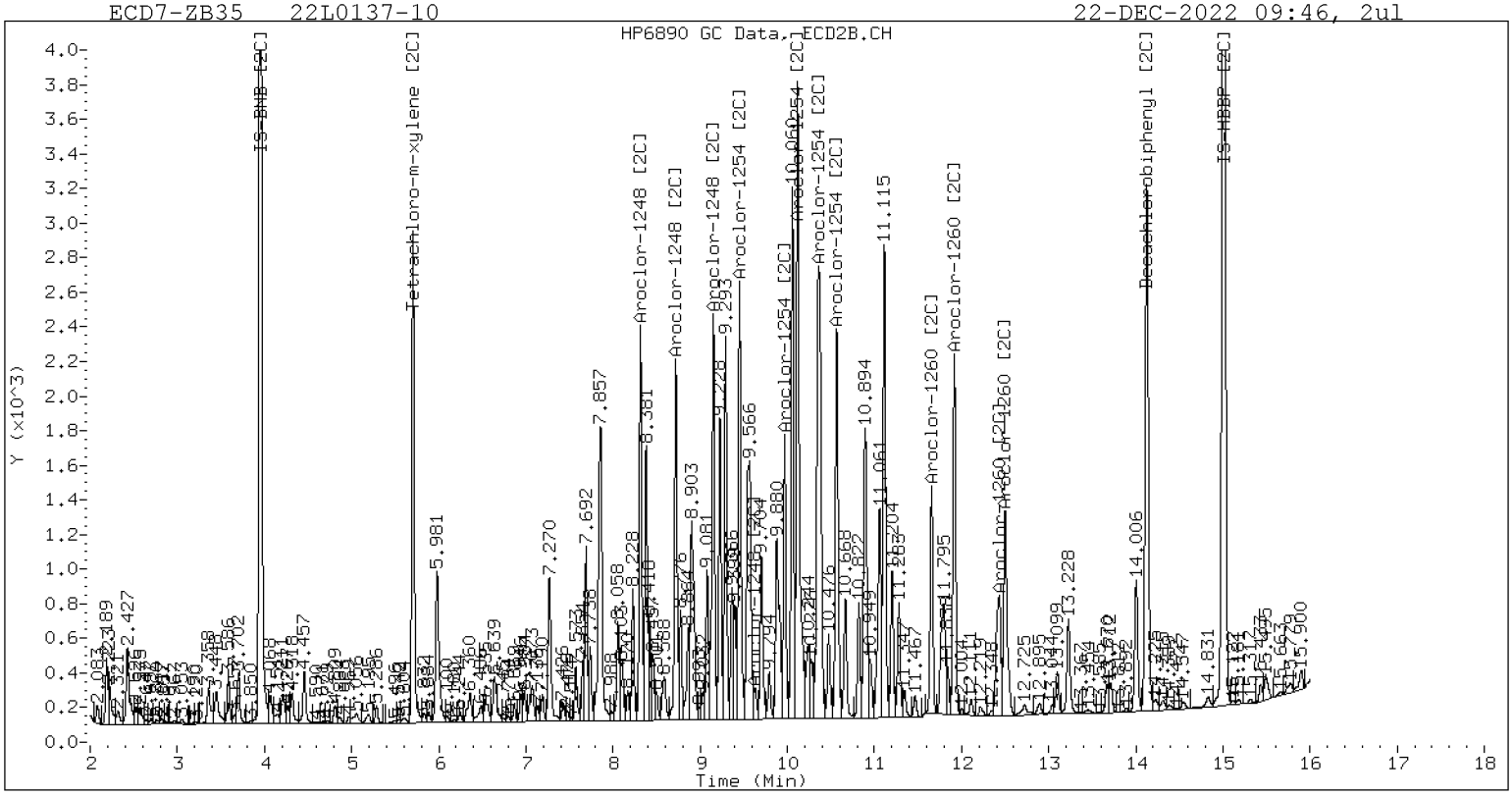
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-10 22-DEC-2022 09:46, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-10 22-DEC-2022 09:46, 2ul

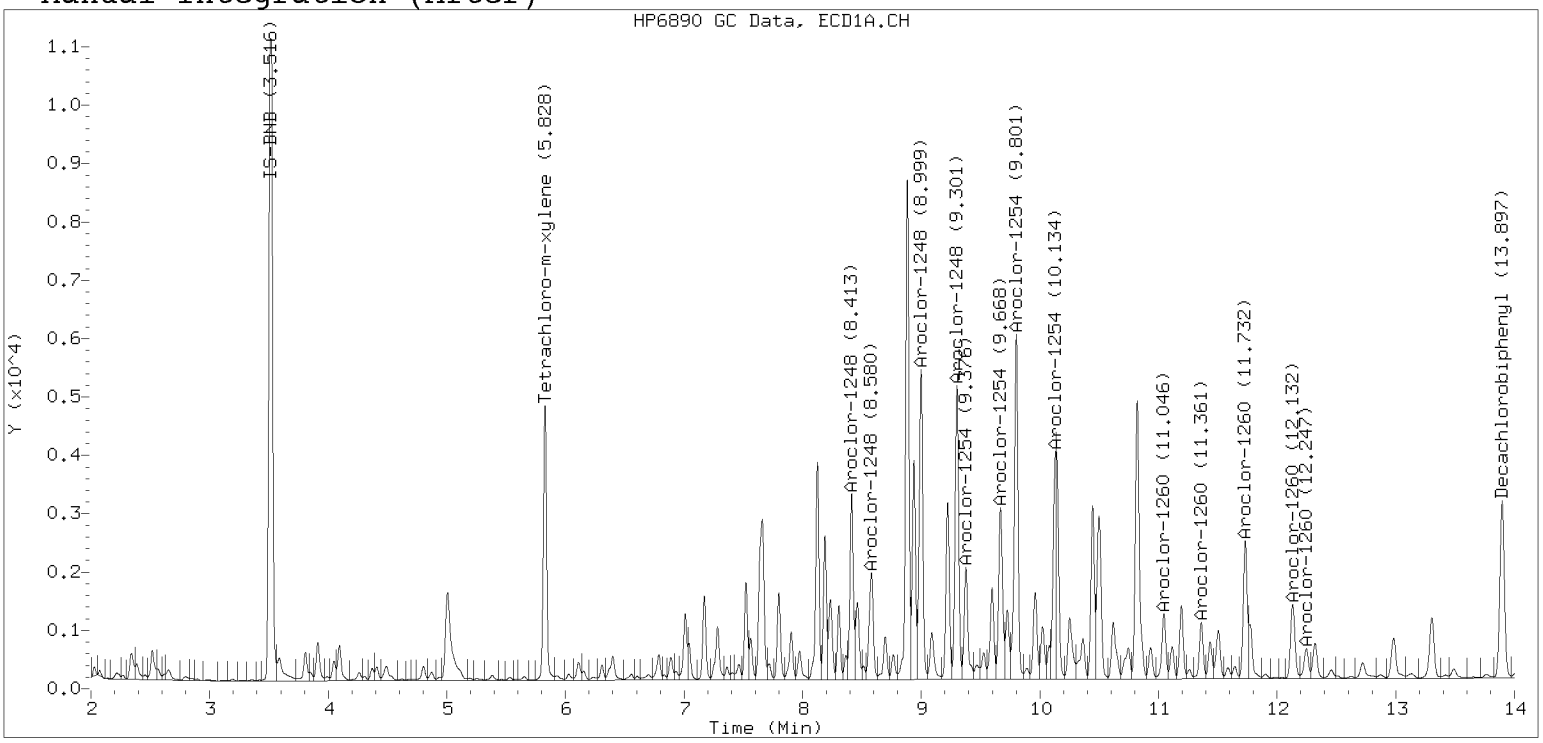


ZB-35 Manual Integration: NO

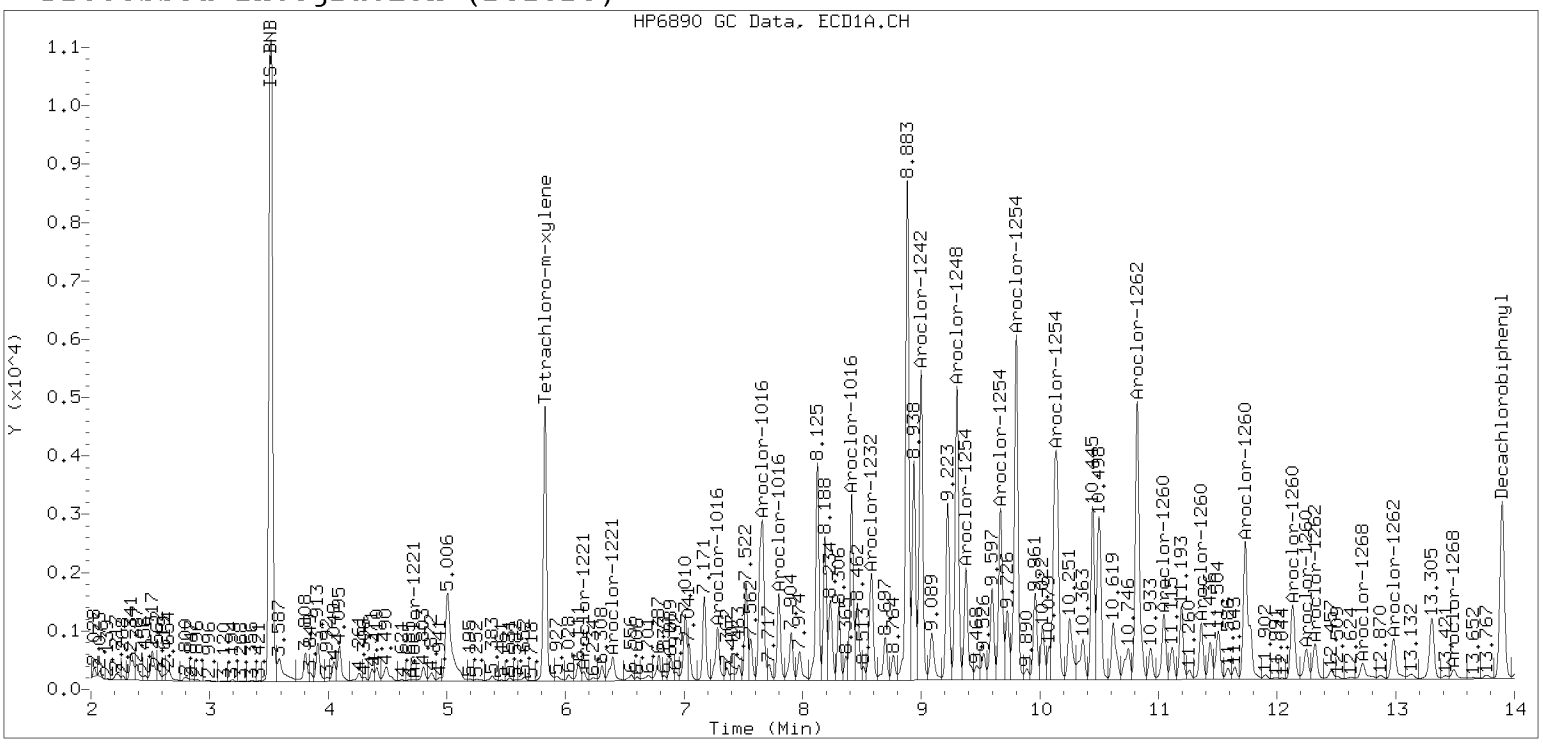
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212252ECD7.D Injection Date: 22-DEC-2022 09:46

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-11 B	File ID:	12212255ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 10:49
% Solids:	54.88	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.78 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	67.0	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	98.5	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	72.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9989*	*6.69*	*83.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9989*	*4.56*	*57.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9989*	*6.18*	*77.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9989*	*4.95*	*61.8*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212255ECD7.D
Data file 2: /221221.b/221221.b/12212255ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-11
Client ID:
Injection Date: 22-DEC-2022 10:49
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	170472	5.707	-0.004	101116	22.8	24.7	8.1	Tetrachloro-m-xylene
13.897	-0.007	153628	14.128	-0.004	149959	33.4	30.9	8.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	527228	17.8
Hexabromobiphenyl	798898	501142	-37.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	298239	19.7
Hexabromobiphenyl	362541	342048	-5.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.411	-0.017	94656	417.6	1	8.316	-0.008	54157	444.5
Aroclor-1248	2	8.580	-0.024	66351	229.2	2	8.722	-0.006	49380	385.3
Aroclor-1248	3	8.998	-0.025	186505	358.2	3	9.153	-0.018	63054	404.5
Aroclor-1248	4	9.301	-0.010	187414	734.7	4	9.631	0.039	8219	44.9
	Total Col1Ave (4 peaks):				434.9	Total Col2Ave (4 peaks):				319.8 RPD = 31
	Corrected Ave (3 peaks):				335.0	Corrected Ave (3 peaks):				278.3 RPD = 19
Aroclor-1254	1	9.301	-0.015	187414	403.7	1	9.453	-0.010	101102	525.8
Aroclor-1254	2	9.421	0.027	10785	59.7	2	9.971	-0.010	46001	297.6
Aroclor-1254	3	9.671	-0.015	124399	424.3	3	10.119	-0.013	182651	549.7
Aroclor-1254	4	9.800	-0.021	255281	446.7	4	10.362	-0.018	205808	598.0
Aroclor-1254	5	10.138	-0.038	306012	781.1	5	10.568	-0.011	135115	814.0
	Total Col1Ave (5 peaks):				423.1	Total Col2Ave (5 peaks):				557.0 RPD = 27
	Corrected Ave (4 peaks):				333.6	Corrected Ave (4 peaks):				492.8 RPD = 39
Aroclor-1260	1	11.046	-0.010	76767	420.8	1	11.658	-0.007	76156	421.8
Aroclor-1260	2	11.361	-0.014	63701	337.6	2	11.918	-0.009	141461	312.2
Aroclor-1260	3	11.730	-0.018	177011	357.1	3	12.439	-0.008	47612	394.6
Aroclor-1260	4	12.131	-0.017	99544	394.3	4	12.501	-0.010	98890	327.4
Aroclor-1260	5	12.246	-0.009	40755	394.4	NS	---			----
	Total Col1Ave (5 peaks):				380.8	Total Col2Ave (4 peaks):				364.0 RPD = 5
	Corrected Ave (4 peaks):				370.8	Corrected Ave (3 peaks):				344.8 RPD = 7
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 4742441 Col1 Total PCB = 0.9 ppm*

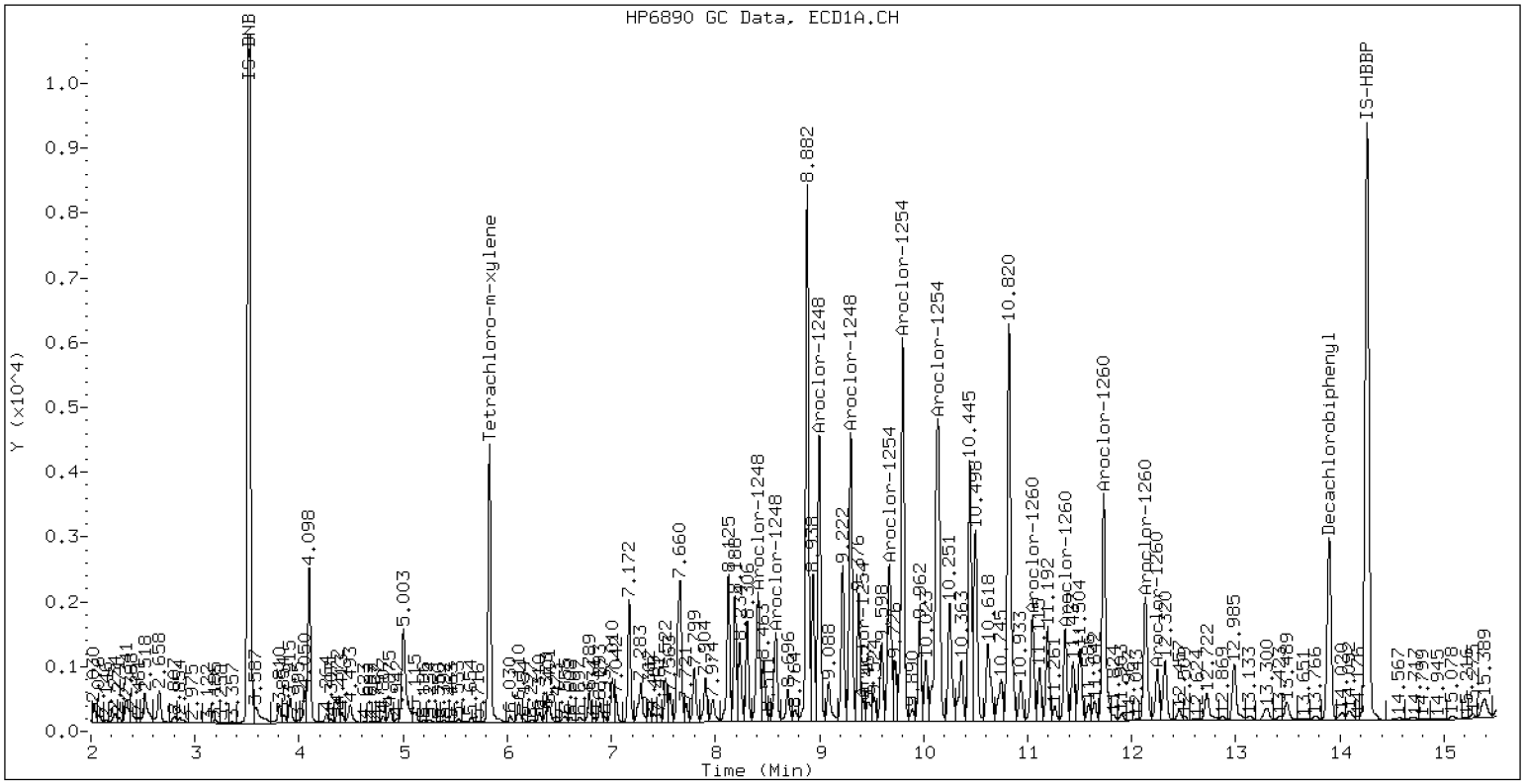
Total PCB Area Col2 (5.810 - 14.032) = 3056459 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

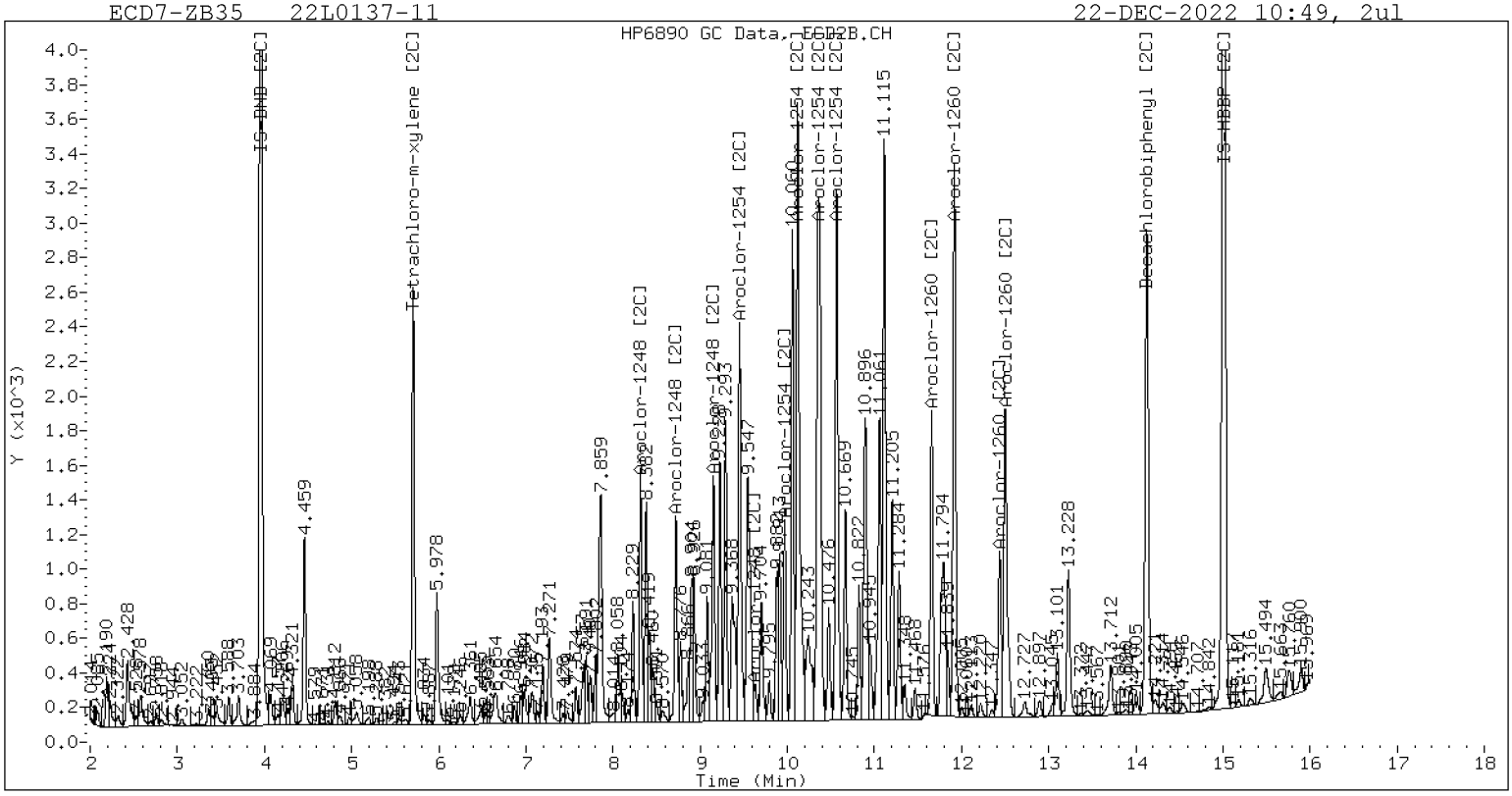
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-11 22-DEC-2022 10:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-11 22-DEC-2022 10:49, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-12 B	File ID:	12212256ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 11:10
% Solids:	64.90	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.32 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	52.6	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	118	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	45.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9753*	*7.62*	*95.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9753*	*4.82*	*60.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9753*	*6.87*	*86.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9753*	*5.77*	*72.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212256ECD7.D
Data file 2: /221221.b/221221.b/12212256ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-12
Client ID:
Injection Date: 22-DEC-2022 11:10
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.827	-0.006	167817	5.704	-0.006	108077	24.2	28.9	17.8	Tetrachloro-m-xylene
13.898	-0.006	172586	14.127	-0.005	161791	38.2	34.5	10.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	489366	9.3
Hexabromobiphenyl	798898	492316	-38.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272598	9.4
Hexabromobiphenyl	362541	330642	-8.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.015	57879	275.1	1	8.316	-0.008	54596	490.3
Aroclor-1248	2	8.579	-0.025	41181	153.3	2	8.720	-0.007	46018	392.9
Aroclor-1248	3	8.999	-0.023	175341	362.8	3	9.153	-0.018	54666	383.7
Aroclor-1248	4	9.301	-0.010	187837	793.4	4	9.632	0.040	10492	62.7
		Total Col1Ave (4 peaks):			396.1	Total Col2Ave (4 peaks):				332.4 RPD = 17
		Corrected Ave (3 peaks):			263.7	Corrected Ave (3 peaks):				279.8 RPD = 6
Aroclor-1254	1	9.301	-0.014	187837	435.9	1	9.453	-0.010	108756	618.8
Aroclor-1254	2	9.421	0.027	5306	31.7	2	9.971	-0.010	48330	342.0
Aroclor-1254	3	9.677	-0.009	138865	510.3	3	10.119	-0.013	180627	594.7
Aroclor-1254	4	9.801	-0.020	263657	497.0	4	10.358	-0.022	203723	647.6
Aroclor-1254	5	10.139	-0.037	275909	758.8	5	10.569	-0.010	114250	753.1
		Total Col1Ave (5 peaks):			446.7	Total Col2Ave (5 peaks):				591.2 RPD = 28
		Corrected Ave (4 peaks):			368.7	Corrected Ave (4 peaks):				550.8 RPD = 40
Aroclor-1260	1	11.046	-0.010	47406	264.5	1	11.658	-0.007	55194	316.2
Aroclor-1260	2	11.361	-0.013	38844	209.6	2	11.919	-0.009	81324	185.7
Aroclor-1260	3	11.731	-0.016	95319	195.7	3	12.438	-0.008	25173	215.8
Aroclor-1260	4	12.132	-0.017	57190	230.6	4	12.501	-0.010	56862	194.8
Aroclor-1260	5	12.246	-0.009	24325	239.6	NS	---			----
		Total Col1Ave (5 peaks):			228.0	Total Col2Ave (4 peaks):				228.1 RPD = 0
		Corrected Ave (4 peaks):			218.9	Corrected Ave (3 peaks):				198.8 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 3957883 Col1 Total PCB = 0.8 ppm*

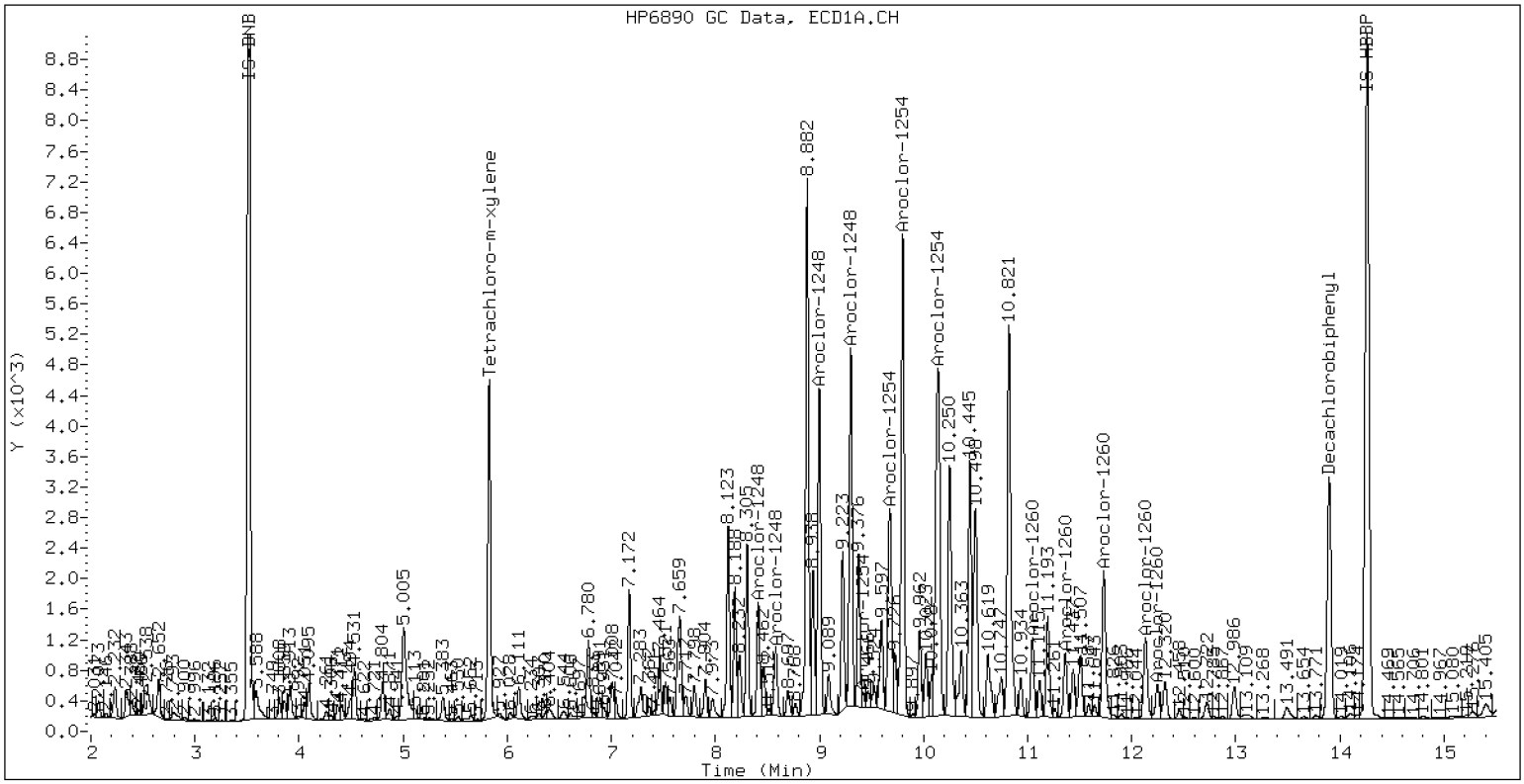
Total PCB Area Col2 (5.810 - 14.032) = 2750313 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

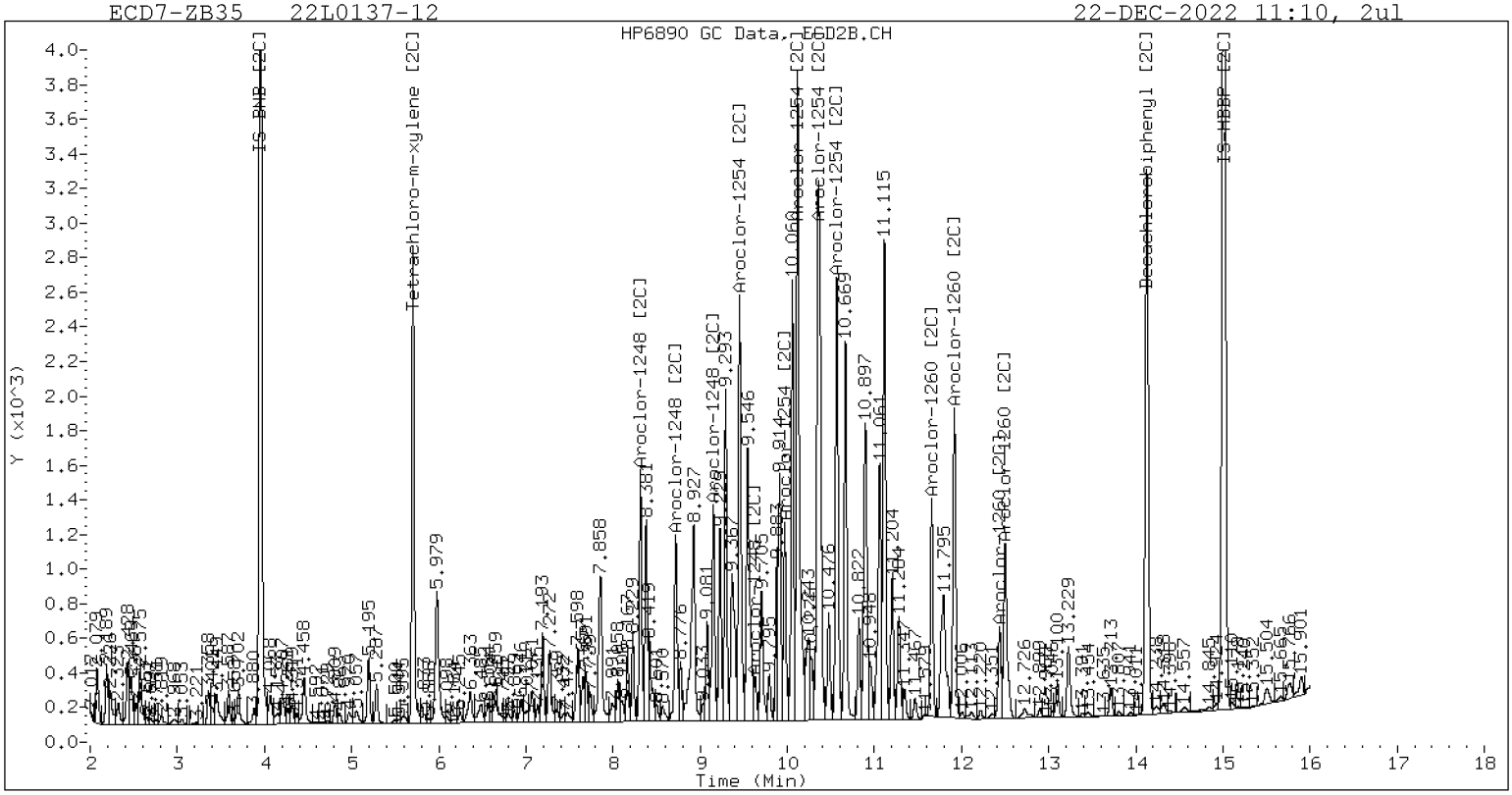
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-12 22-DEC-2022 11:10, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-12 22-DEC-2022 11:10, 2ul

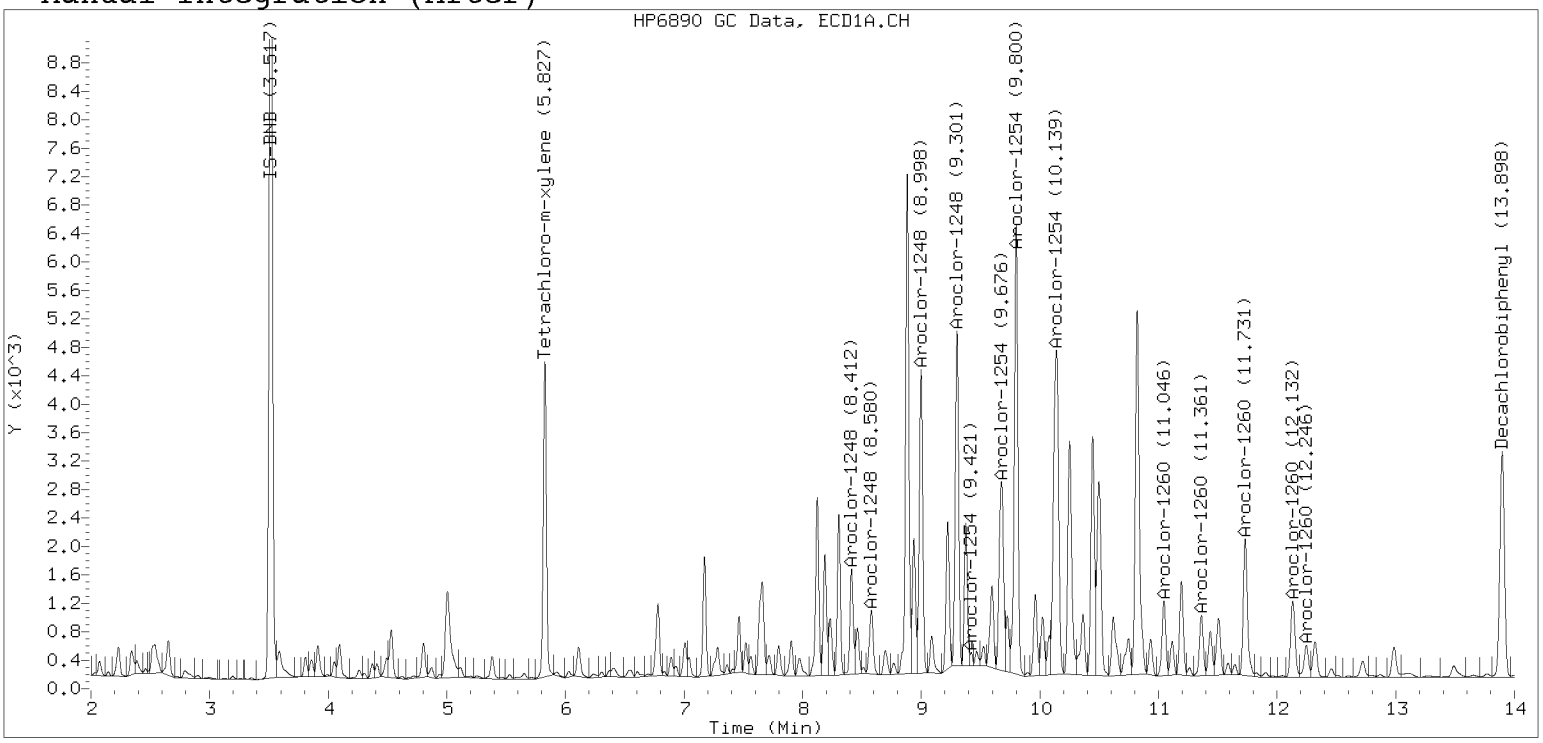


ZB-35 Manual Integration: NO

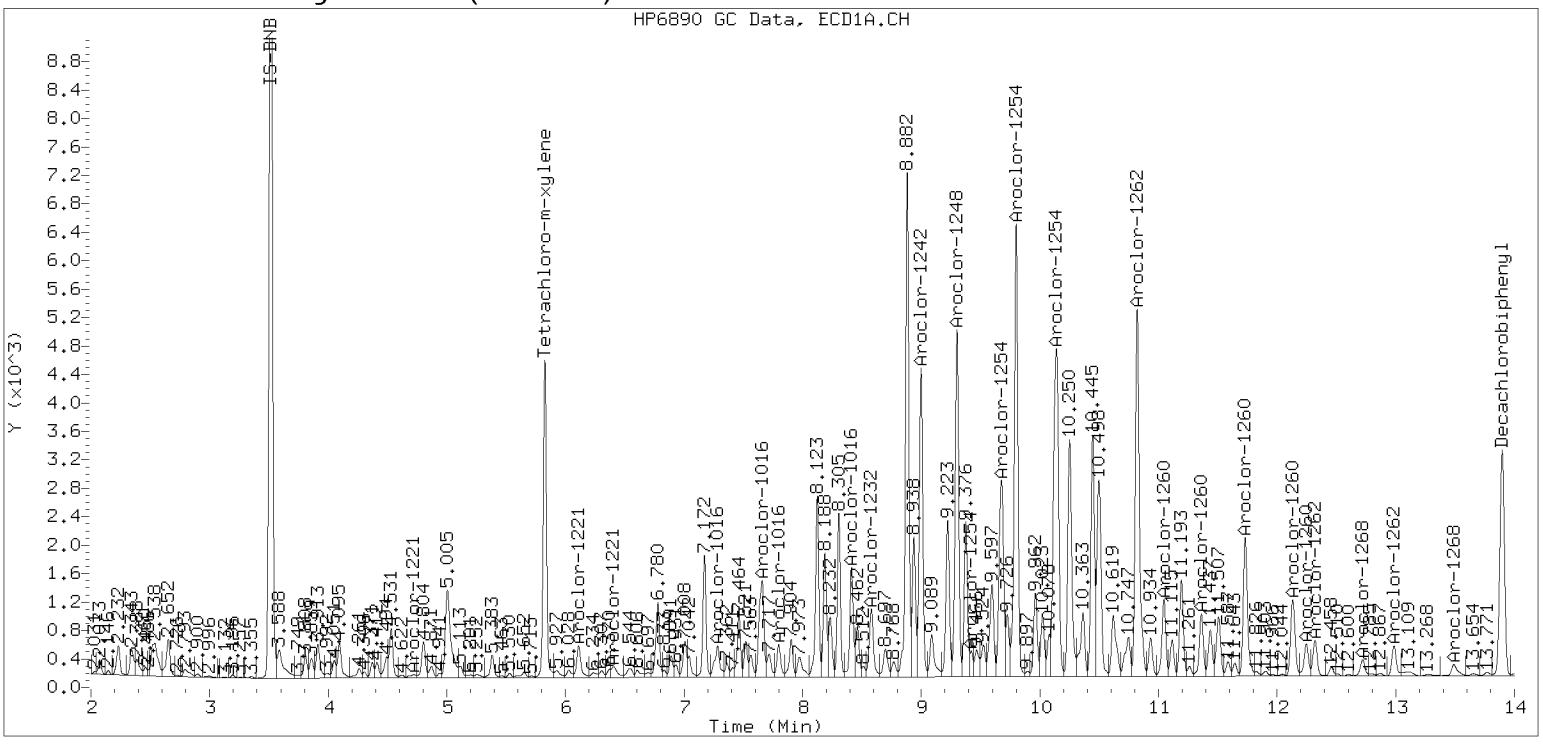
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212256ECD7.D Injection Date: 22-DEC-2022 11:10

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-13 B	File ID:	12212257ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 11:31
% Solids:	63.05	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.86 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	97.5	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	128	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	55.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9861*	*7.53*	*94.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9861*	*4.92*	*61.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9861*	*6.78*	*84.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9861*	*5.66*	*70.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212257ECD7.D
Data file 2: /221221.b/221221.b/12212257ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-13
Client ID:
Injection Date: 22-DEC-2022 11:31
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.005	172425	5.706	-0.004	106681	24.7	28.4	14.0	Tetrachloro-m-xylene
13.897	-0.007	170919	14.128	-0.004	162103	37.7	34.0	10.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	493525	10.2
Hexabromobiphenyl	798898	494129	-38.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	274472	10.2
Hexabromobiphenyl	362541	336252	-7.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.014	121015	570.3	1	8.316	-0.007	103046	919.0
Aroclor-1248	2	8.581	-0.024	91549	337.9	2	8.720	-0.007	98839	838.1
Aroclor-1248	3	8.999	-0.024	271593	557.2	3	9.153	-0.018	81298	566.7
Aroclor-1248	4	9.301	-0.010	281673	1179.7	4	9.632	0.040	19755	117.3
	Total Col1Ave (4 peaks):				661.3	Total Col2Ave (4 peaks):				610.3 RPD = 8
	Corrected Ave (3 peaks):				488.5	Corrected Ave (3 peaks):				507.4 RPD = 4
Aroclor-1254	1	9.301	-0.015	281673	648.2	1	9.453	-0.010	138499	782.6
Aroclor-1254	2	9.376	-0.018	106337	629.2	2	9.970	-0.010	63313	445.0
Aroclor-1254	3	9.683	-0.004	365455	1331.6	3	10.119	-0.013	253524	829.0
Aroclor-1254	4	9.800	-0.021	380697	711.6	4	10.360	-0.020	252050	795.8
Aroclor-1254	5	10.136	-0.040	208928	569.7	5	10.569	-0.010	134188	878.4
	Total Col1Ave (5 peaks):				778.1	Total Col2Ave (5 peaks):				746.2 RPD = 4
	Corrected Ave (4 peaks):				639.7	Corrected Ave (4 peaks):				713.1 RPD = 11
Aroclor-1260	1	11.046	-0.010	61823	343.7	1	11.658	-0.008	65495	369.0
Aroclor-1260	2	11.361	-0.014	50298	270.4	2	11.918	-0.009	102842	230.9
Aroclor-1260	3	11.731	-0.016	125287	256.3	3	12.438	-0.008	32003	269.8
Aroclor-1260	4	12.131	-0.017	70273	282.3	4	12.502	-0.010	71654	241.3
Aroclor-1260	5	12.246	-0.009	30684	301.1	NS	---			----
	Total Col1Ave (5 peaks):				290.8	Total Col2Ave (4 peaks):				277.8 RPD = 5
	Corrected Ave (4 peaks):				277.5	Corrected Ave (3 peaks):				247.4 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 8013253 Col1 Total PCB = 1.7 ppm*

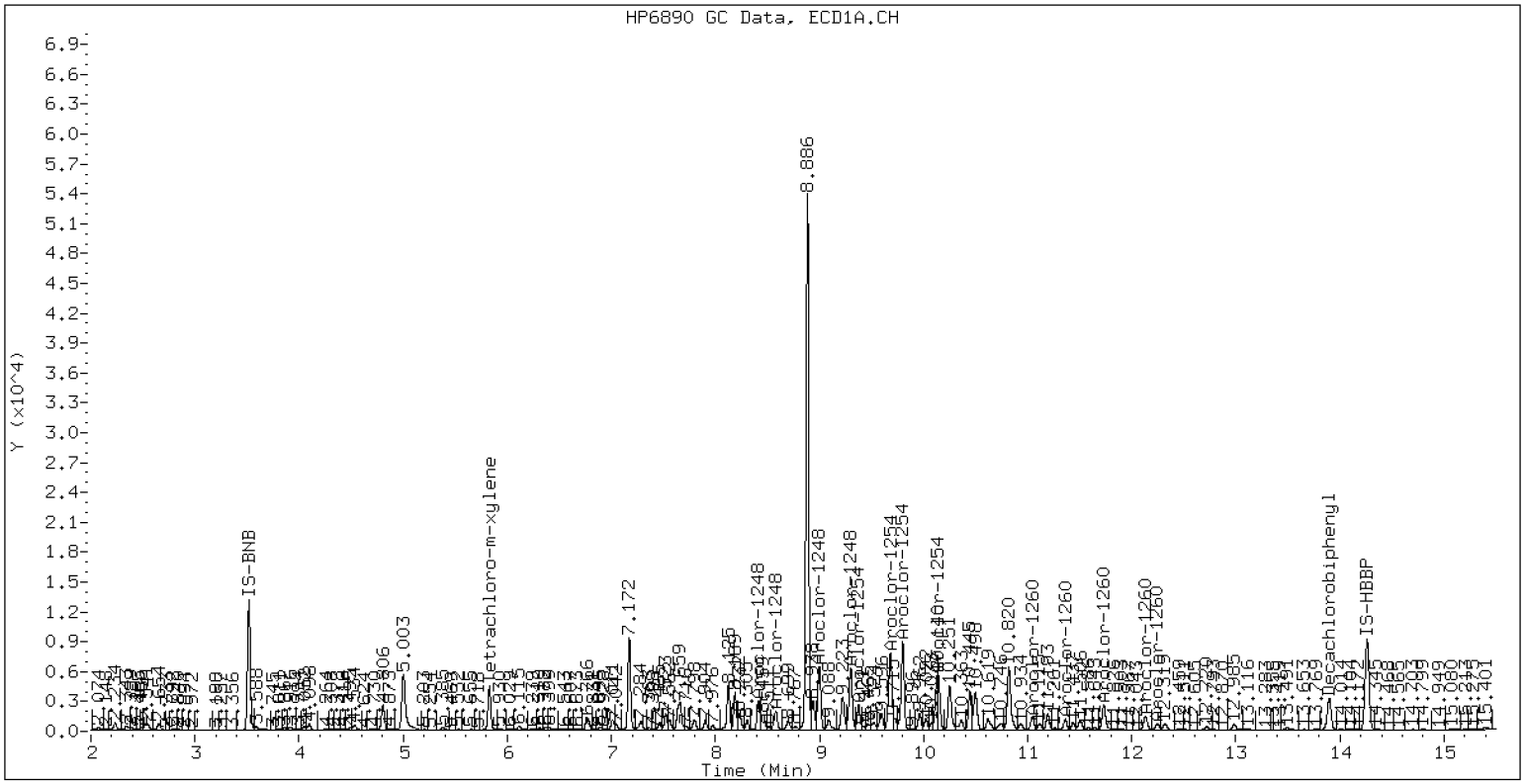
Total PCB Area Col2 (5.810 - 14.032) = 4627379 Col2 Total PCB = 1.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

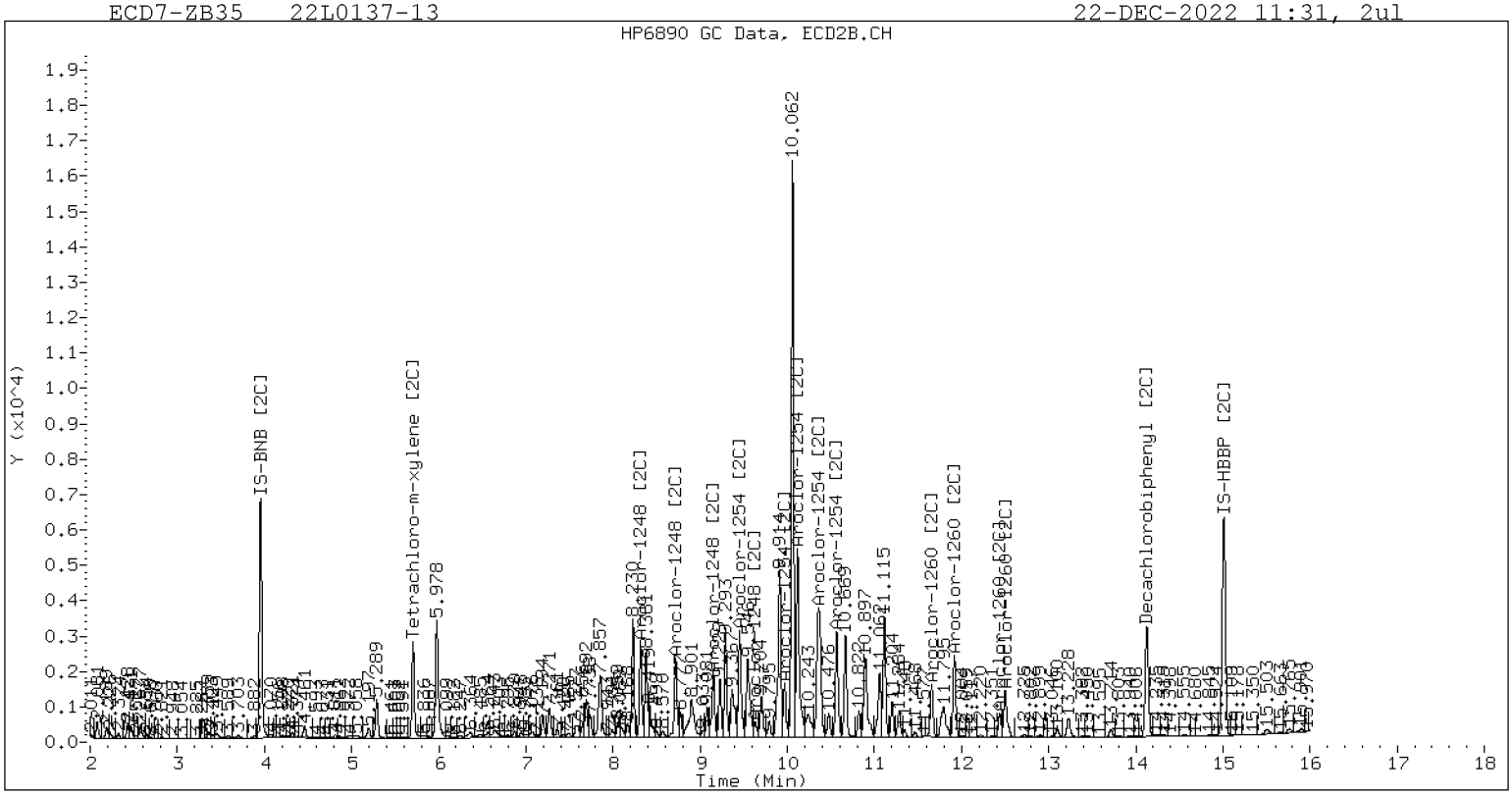
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-13 22-DEC-2022 11:31, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-13 22-DEC-2022 11:31, 2ul

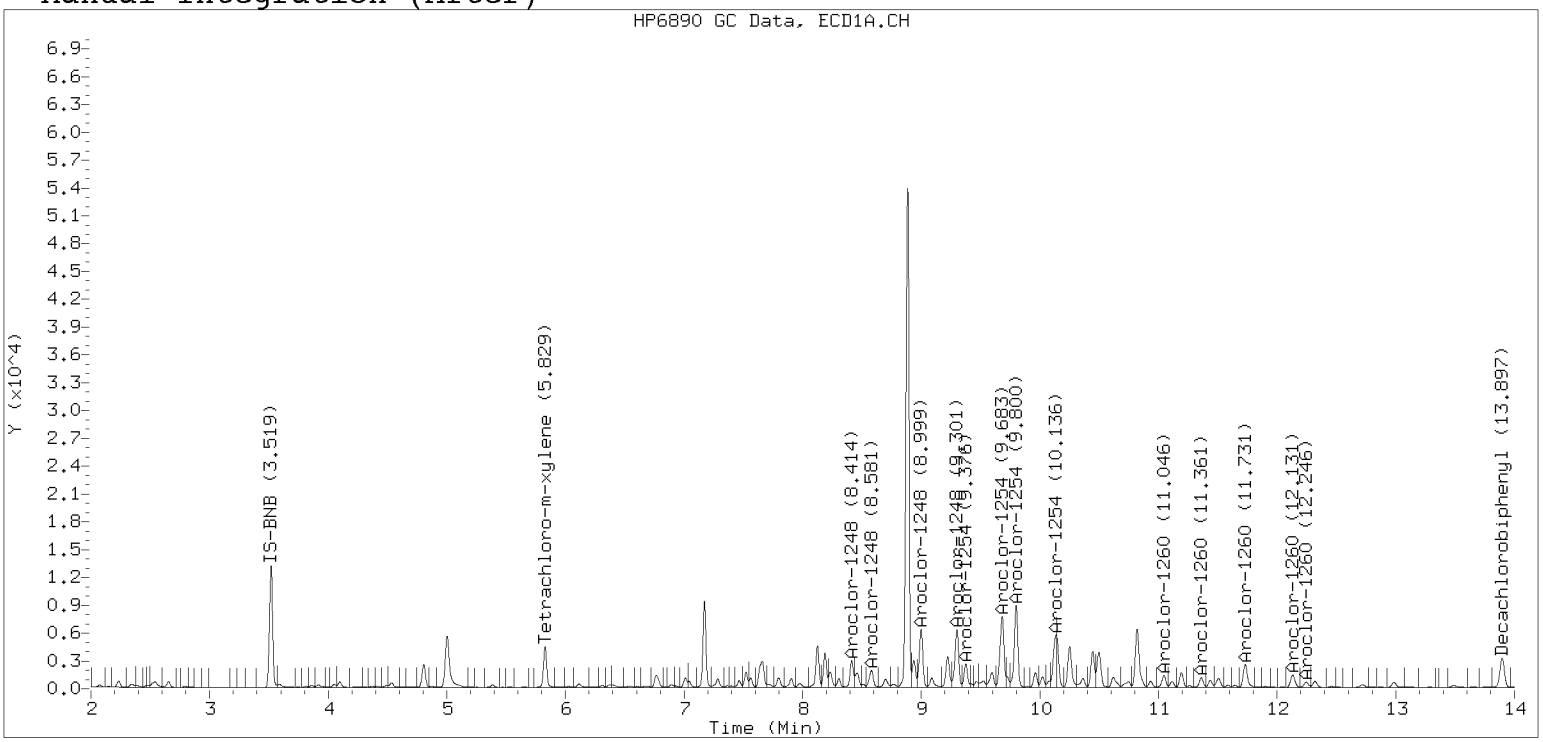


ZB-35 Manual Integration: NO

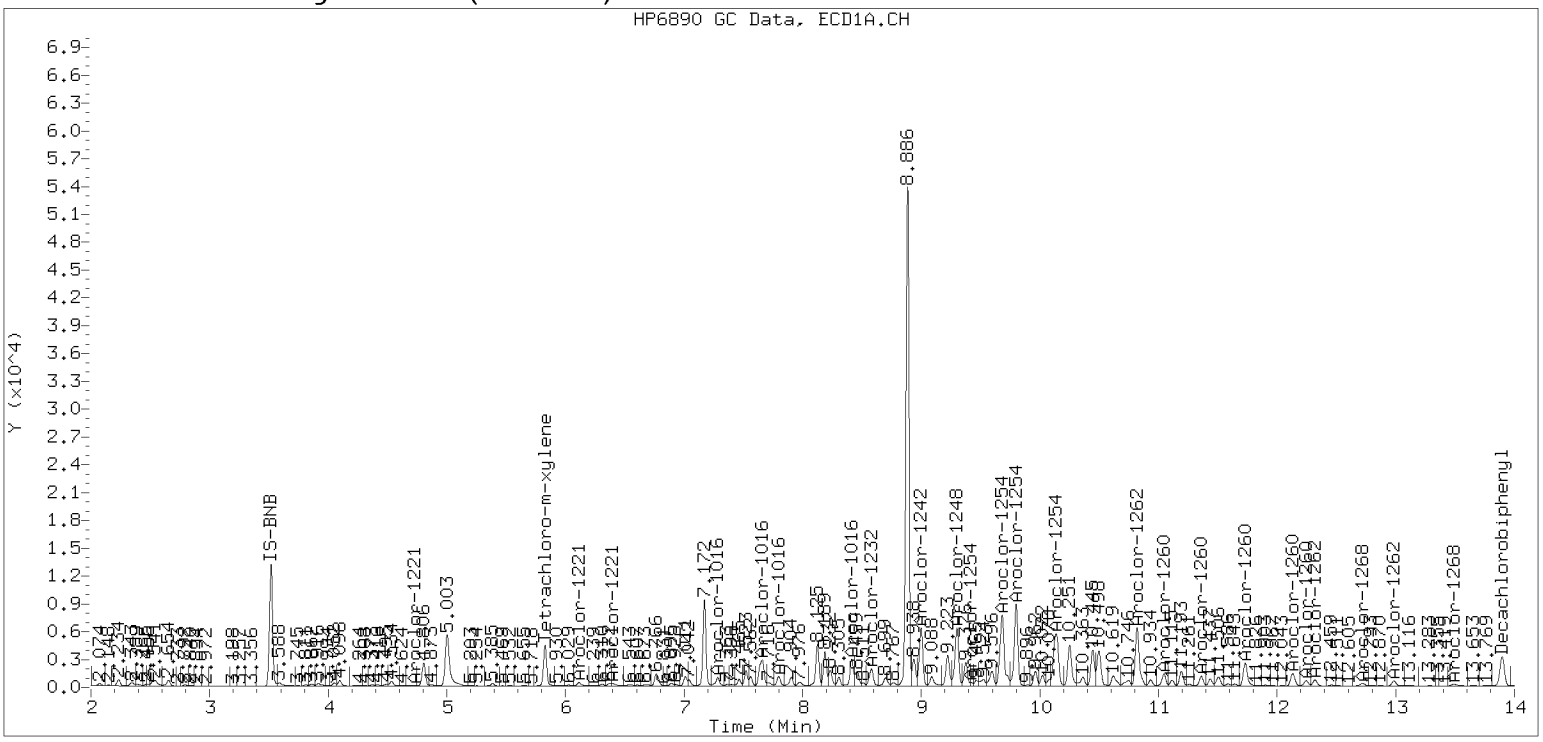
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212257ECD7.D Injection Date: 22-DEC-2022 11:31

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-14 B	File ID:	12222233ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 03:09
% Solids:	62.99	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.89 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	68.0	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	85.6	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	44.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9817*	*7.09*	*88.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9817*	*4.79*	*60.0*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222233ECD7.D
Data file 2: /221222.b/221222.b/12222233ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-14
Client ID:
Injection Date: 23-DEC-2022 03:09
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.826	-0.006	171328	5.703	-0.010	104266	24.0	26.5	10.1	Tetrachloro-m-xylene
13.897	-0.007	170835	14.126	-0.011	160125	35.6	32.5	9.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	503978	12.6
Hexabromobiphenyl	798898	524169	-34.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	286682	15.1
Hexabromobiphenyl	362541	347242	-4.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.016	90523	417.8	1	8.314	-0.012	82567	705.0
Aroclor-1248	2	8.579	-0.025	59110	213.7	2	8.718	-0.014	66229	537.7
Aroclor-1248	3	8.997	-0.025	194889	391.6	3	9.151	-0.027	55776	372.3
Aroclor-1248	4	9.299	-0.012	194212	796.5	4	9.629	0.027	9297	52.9
		Total Col1Ave (4 peaks):			454.9	Total Col2Ave (4 peaks):				416.9 RPD = 9
		Corrected Ave (3 peaks):			341.0	Corrected Ave (3 peaks):				320.9 RPD = 6
Aroclor-1254	1	9.299	-0.022	194212	437.7	1	9.451	-0.016	97765	528.9
Aroclor-1254	2	9.421	0.019	14257	82.6	2	9.969	-0.017	43792	294.7
Aroclor-1254	3	9.677	-0.017	196243	700.2	3	10.116	-0.023	174625	546.7
Aroclor-1254	4	9.799	-0.032	278202	509.2	4	10.354	-0.035	184958	559.1
Aroclor-1254	5	10.138	-0.052	258335	689.8	5	10.567	-0.020	101451	635.9
		Total Col1Ave (5 peaks):			483.9	Total Col2Ave (5 peaks):				513.1 RPD = 6
		Corrected Ave (4 peaks):			429.8	Corrected Ave (4 peaks):				482.4 RPD = 12
Aroclor-1260	1	11.045	-0.011	49234	258.0	1	11.656	-0.013	49462	269.9
Aroclor-1260	2	11.358	-0.015	38100	193.1	2	11.917	-0.016	81558	177.3
Aroclor-1260	3	11.730	-0.017	101838	196.4	3	12.436	-0.016	25520	208.4
Aroclor-1260	4	12.130	-0.019	58890	223.0	4	12.500	-0.017	57845	188.7
Aroclor-1260	5	12.246	-0.013	26698	247.0	NS	---			----
		Total Col1Ave (5 peaks):			223.5	Total Col2Ave (4 peaks):				211.1 RPD = 6
		Corrected Ave (4 peaks):			214.9	Corrected Ave (3 peaks):				191.5 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 4151024 Col1 Total PCB = 0.9 ppm*

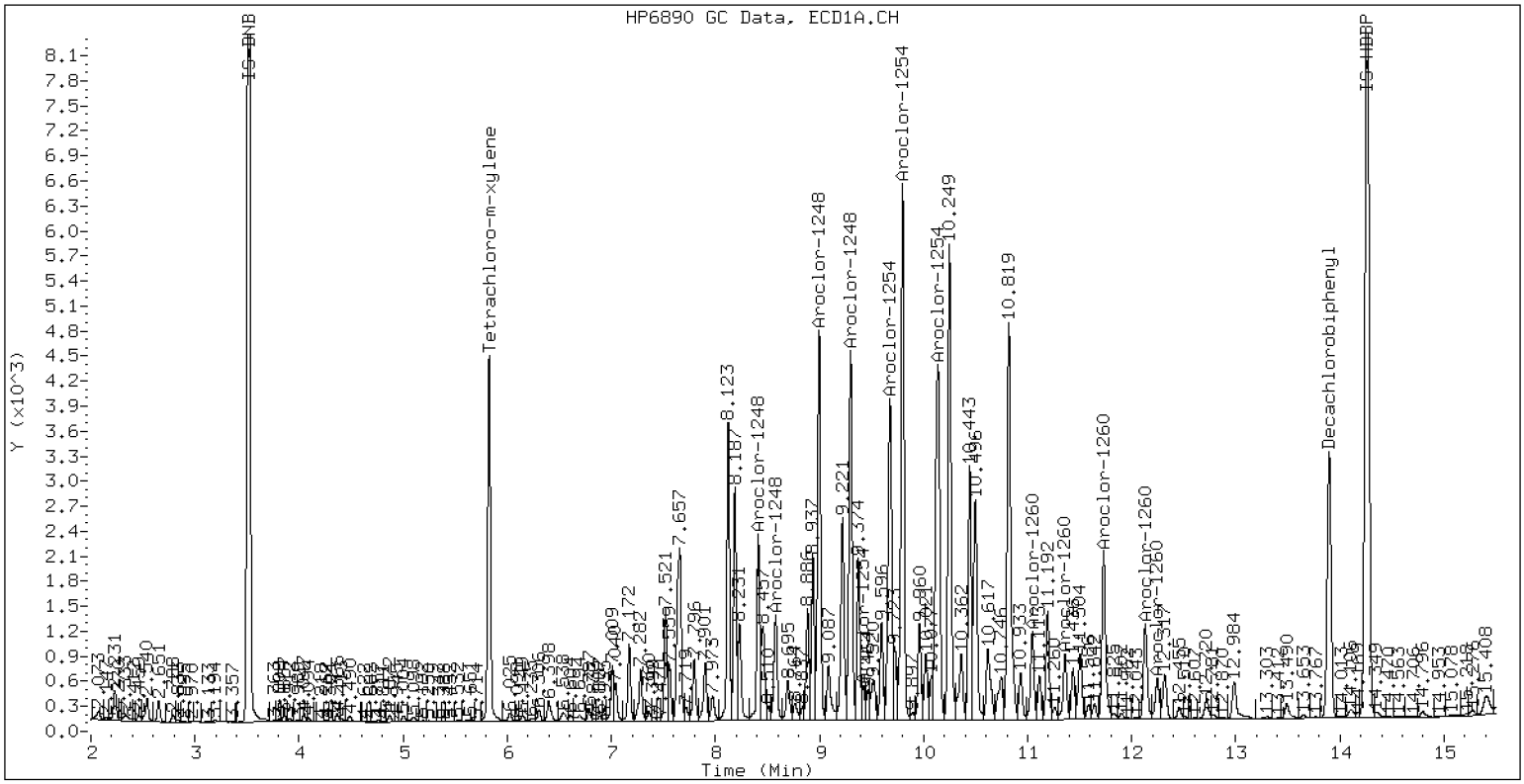
Total PCB Area Col2 (5.813 - 14.037) = 2695194 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

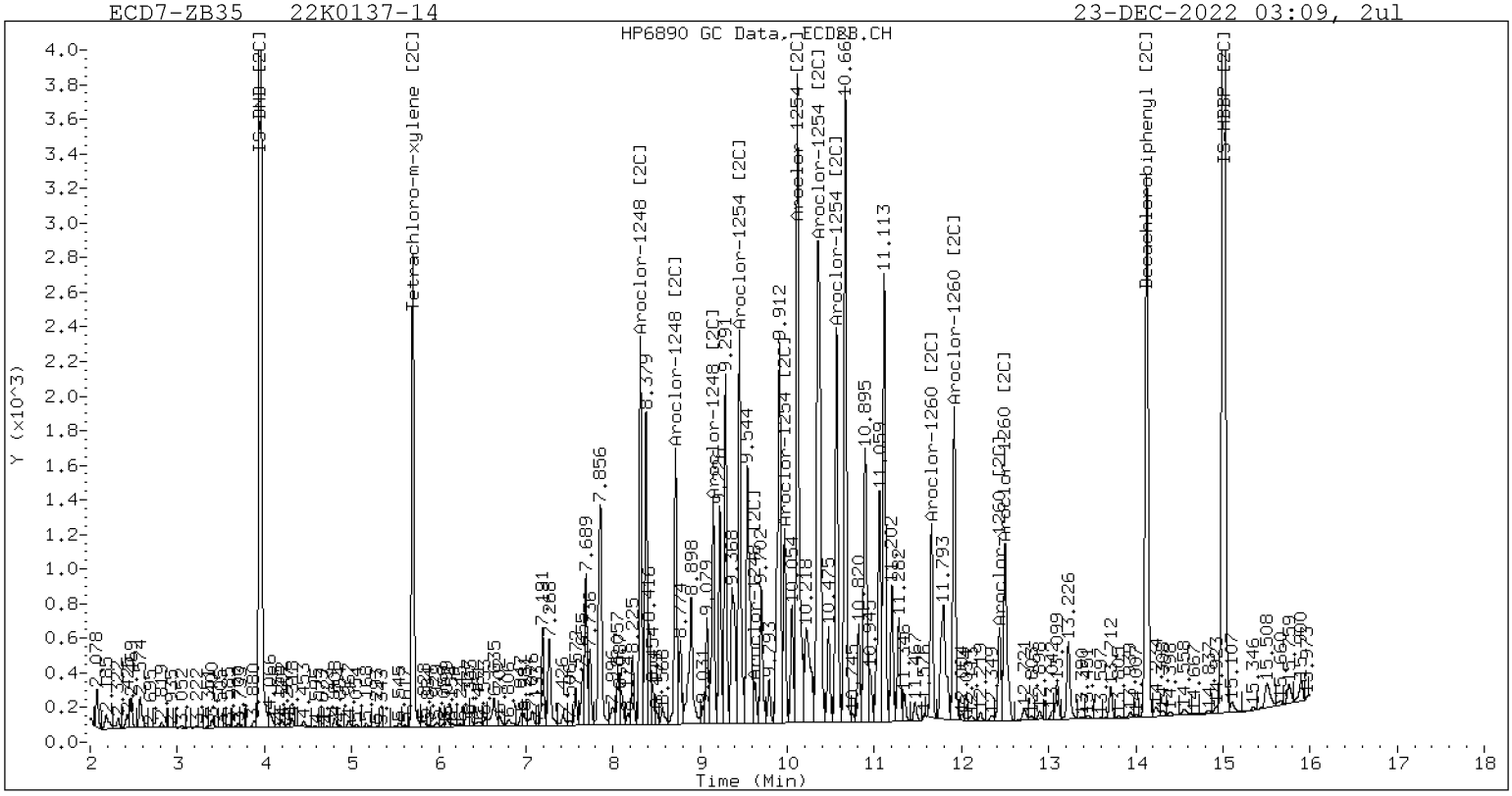
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-14 23-DEC-2022 03:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-14 23-DEC-2022 03:09, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-15 B	File ID:	12222234ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 03:30
% Solids:	67.27	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.6 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	15.5	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	28.8	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	19.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9922*	*7.12*	*89.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9922*	*4.91*	*61.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222234ECD7.D
Data file 2: /221222.b/221222.b/12222234ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-15
Client ID:
Injection Date: 23-DEC-2022 03:30
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.825	-0.008	175711	5.702	-0.012	107040	24.6	27.1	9.6	Tetrachloro-m-xylene
13.896	-0.008	184943	14.127	-0.010	167616	35.6	32.6	9.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	504302	12.7
Hexabromobiphenyl	798898	566046	-29.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	288518	15.8
Hexabromobiphenyl	362541	362684	0.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.411	-0.016	16345	75.4	1	8.314	-0.012	15414	130.8
Aroclor-1248	2	8.579	-0.025	11139	40.2	2	8.719	-0.013	10438	84.2
Aroclor-1248	3	8.997	-0.025	58537	117.5	3	9.152	-0.026	15067	99.9
Aroclor-1248	4	9.300	-0.011	71107	291.4	4	9.630	0.028	3799	21.5
	Total Col1Ave (4 peaks):				131.1	Total Col2Ave (4 peaks):				84.1 RPD = 44*
	Corrected Ave (3 peaks):				77.7	Corrected Ave (3 peaks):				68.5 RPD = 13
Aroclor-1254	1	9.300	-0.021	71107	160.1	1	9.451	-0.016	38770	208.4
Aroclor-1254	2	9.421	0.020	4884	28.3	2	9.969	-0.017	13086	87.5
Aroclor-1254	3	9.678	-0.016	56049	199.9	3	10.117	-0.023	61625	191.7
Aroclor-1254	4	9.799	-0.031	104691	191.5	4	10.358	-0.031	72158	216.7
Aroclor-1254	5	10.138	-0.051	101340	270.4	5	10.567	-0.020	42558	265.0
	Total Col1Ave (5 peaks):				170.0	Total Col2Ave (5 peaks):				193.9 RPD = 13
	Corrected Ave (4 peaks):				144.9	Corrected Ave (4 peaks):				176.1 RPD = 19
Aroclor-1260	1	11.045	-0.011	24273	117.8	1	11.656	-0.014	19669	102.7
Aroclor-1260	2	11.358	-0.015	16340	76.7	2	11.916	-0.017	34779	72.4
Aroclor-1260	3	11.730	-0.016	46880	83.7	3	12.435	-0.017	13319	104.1
Aroclor-1260	4	12.130	-0.019	23954	84.0	4	12.498	-0.018	25439	79.4
Aroclor-1260	5	12.245	-0.014	15735	134.8	NS	---			----
	Total Col1Ave (5 peaks):				99.4	Total Col2Ave (4 peaks):				89.7 RPD = 10
	Corrected Ave (4 peaks):				90.6	Corrected Ave (3 peaks):				84.9 RPD = 6
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1473310 Col1 Total PCB = 0.3 ppm*

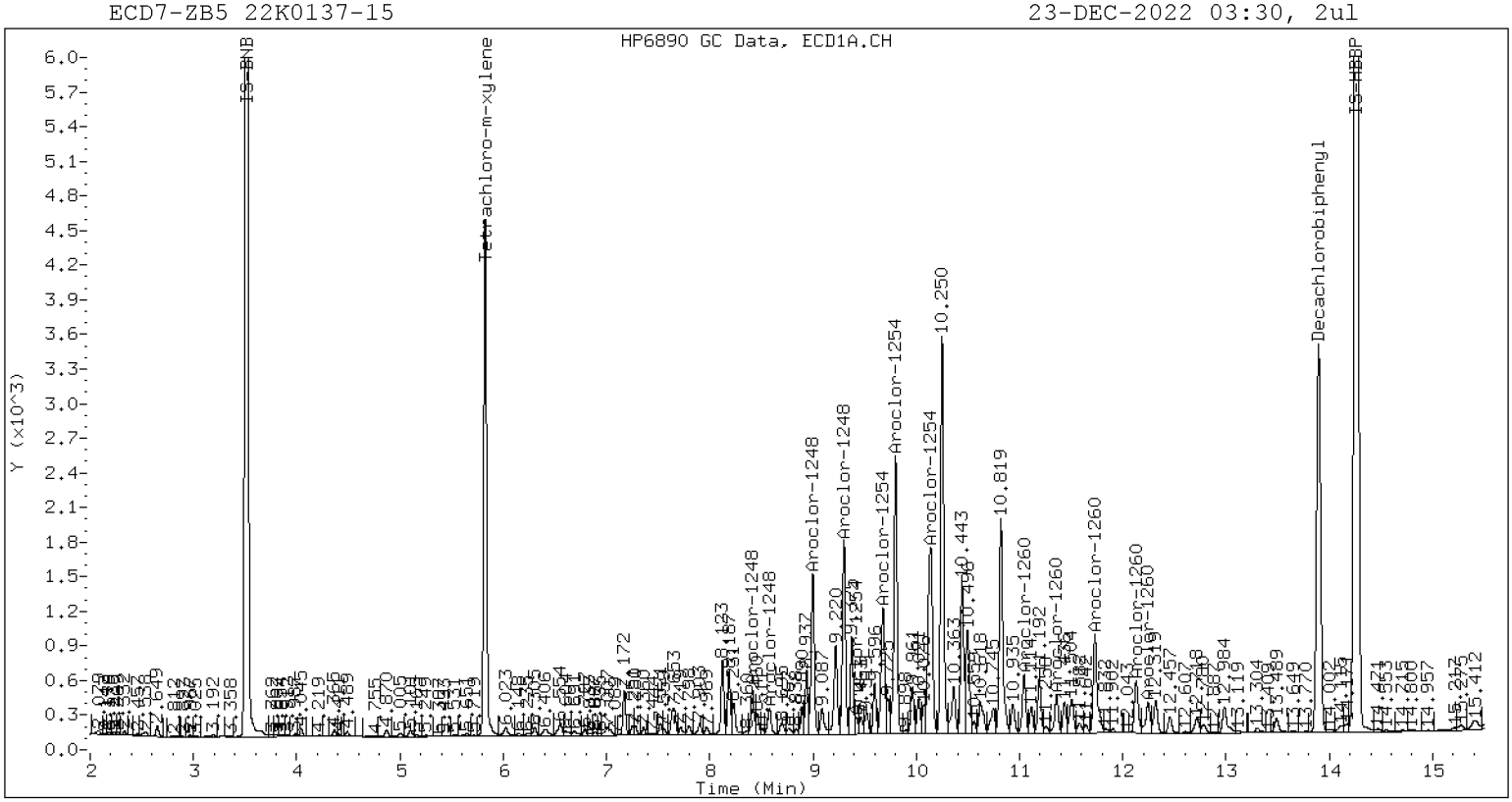
Total PCB Area Col2 (5.813 - 14.037) = 960392 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

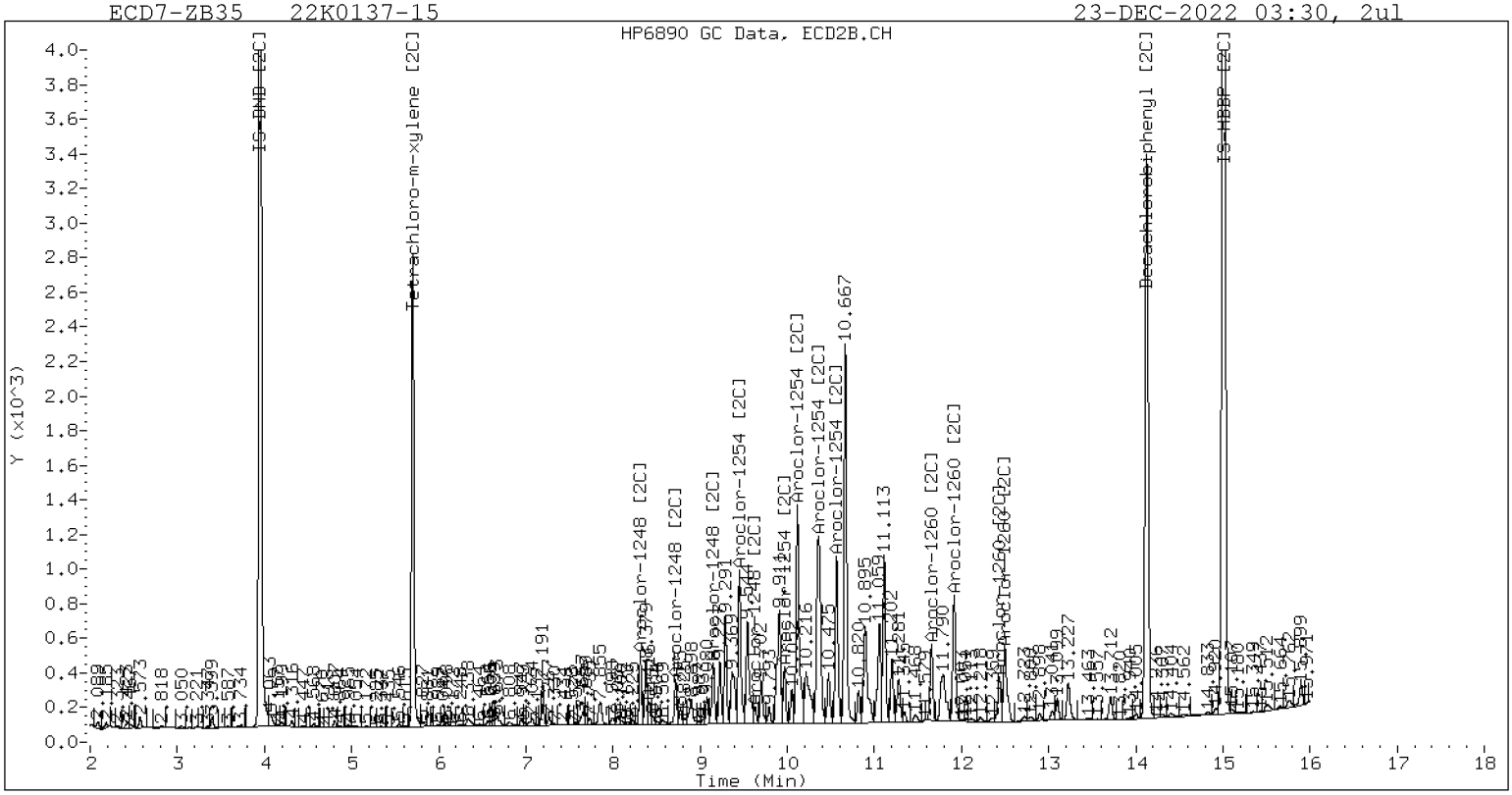
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-15 23-DEC-2022 03:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-15 23-DEC-2022 03:30, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-16 B	File ID:	12222235ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 03:52
% Solids:	59.96	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.85 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9989*	*114*	*1420*	*40 - 126*	*
Tetrachlorometaxylene	*1*	*7.9989*	*5.01*	*62.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222235ECD7.D
Data file 2: /221222.b/221222.b/12222235ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22K0137-16
Client ID:
Injection Date: 23-DEC-2022 03:52
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.826	-0.007	185756	5.703	-0.011	111376	25.1	26.9	7.1	Tetrachloro-m-xylene
13.904	-0.000	2862428	14.133	-0.004	2936793	568.0	550.2	3.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	522728	16.8
Hexabromobiphenyl	798898	549788	-31.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	301770	21.1
Hexabromobiphenyl	362541	375971	3.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	12.245	-0.017	251278	326.7	1	12.435	-0.015	221383	311.9
Aroclor-1268	2	12.317	-0.018	85131	113.1	2	12.501	-0.016	70684	97.1
Aroclor-1268	3	12.706	-0.010	933825	1514.1	3	12.900	-0.010	878344	3255.0
Aroclor-1268	4	13.495	-0.010	2869007	1523.6	4	13.720	-0.007	3202629	1649.2
	Total Col1Ave (4 peaks):			869.4		Total Col2Ave (4 peaks):			1328.3	RPD = 42*
	Corrected Ave (3 peaks):			651.3		Corrected Ave (3 peaks):			686.1	RPD = 5

Total PCB Area Col1 (5.933 - 13.804) = 4853370 Col1 Total PCB = 1.0 ppm*

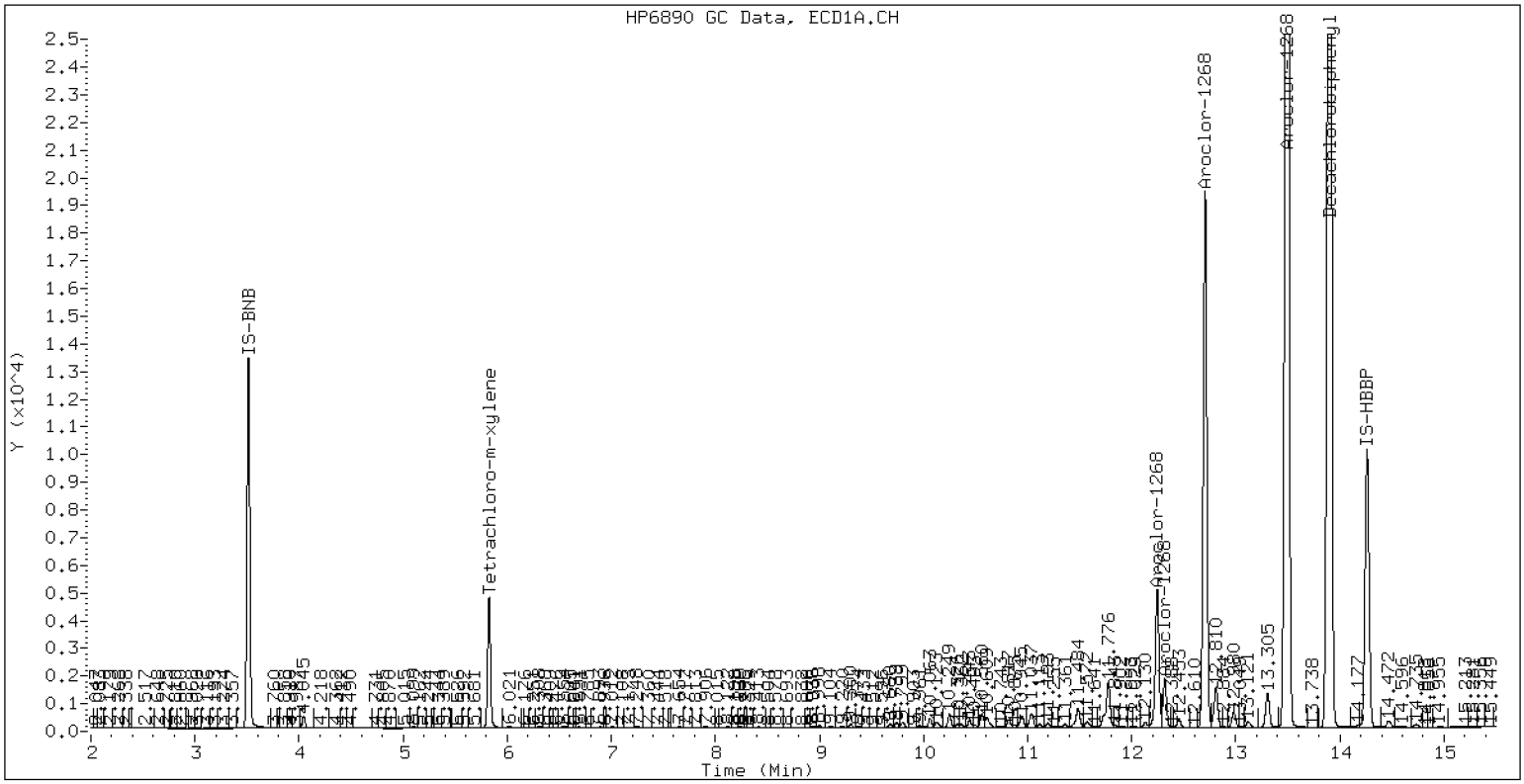
Total PCB Area Col2 (5.813 - 14.037) = 4782349 Col2 Total PCB = 1.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

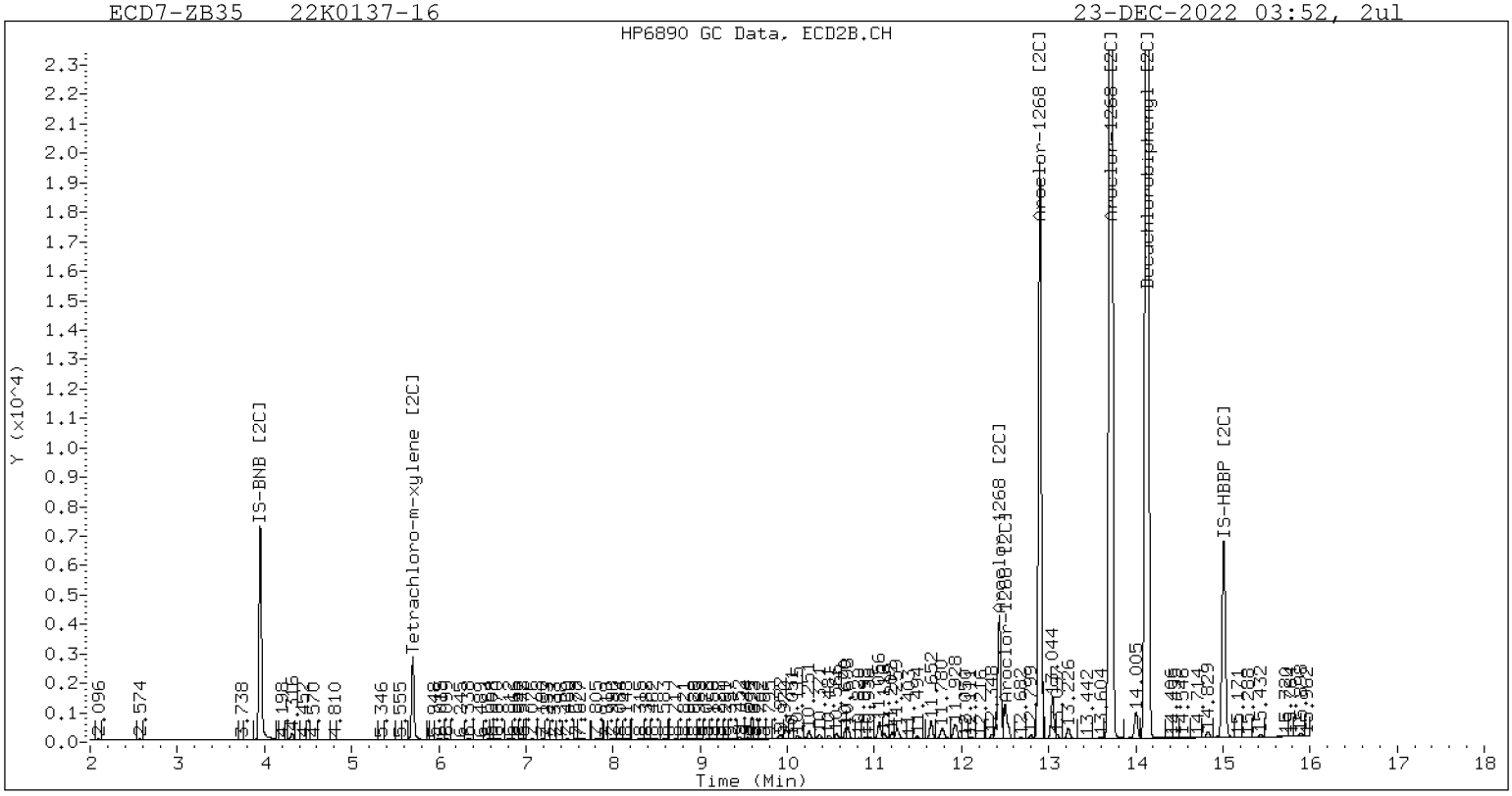
PCB Dual Column Chromatograms

ECD7-ZB5 22K0137-16 23-DEC-2022 03:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22K0137-16 23-DEC-2022 03:52, 2ul



ZB-35 Manual Integration: YES

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC784M

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-17 B	File ID:	12212261ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 12:56
% Solids:	53.61	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.32 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	2	1	13.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9988*	*8.33*	*104*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9988*	*4.72*	*59.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9988*	*7.56*	*94.6*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9988*	*5.16*	*64.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212261ECD7.D
Data file 2: /221221.b/221221.b/12212261ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-17
Client ID:
Injection Date: 22-DEC-2022 12:56
Report Date: 12/29/2022 08:55
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.827	-0.007	166321	5.704	-0.008	102325	23.6	25.8	8.9	Tetrachloro-m-xylene
13.897	-0.007	178173	14.127	-0.006	176414	41.6	37.8	9.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	496933	11.0
Hexabromobiphenyl	798898	466796	-41.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	289108	16.1
Hexabromobiphenyl	362541	328483	-9.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	11.031	-0.026	19873	117.0	1	11.649	-0.018	4841	27.9
Aroclor-1260	2	11.374	0.001	3788	21.6	2	11.941	0.012	26222	60.3
Aroclor-1260	3	11.776	0.031	52734	114.2	3	12.435	-0.013	9587	82.7
Aroclor-1260	4	12.134	-0.016	3060	13.0	4	12.542	0.029	29603	102.1
Aroclor-1260	5	12.244	-0.013	16762	174.1	NS	---			----
		Total Col1Ave (5 peaks):			88.0	Total Col2Ave (4 peaks):				68.2 RPD = 25
		Corrected Ave (4 peaks):			66.4	Corrected Ave (3 peaks):				57.0 RPD = 15
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.934 - 13.804) = 3390949 Col1 Total PCB = 0.7 ppm*

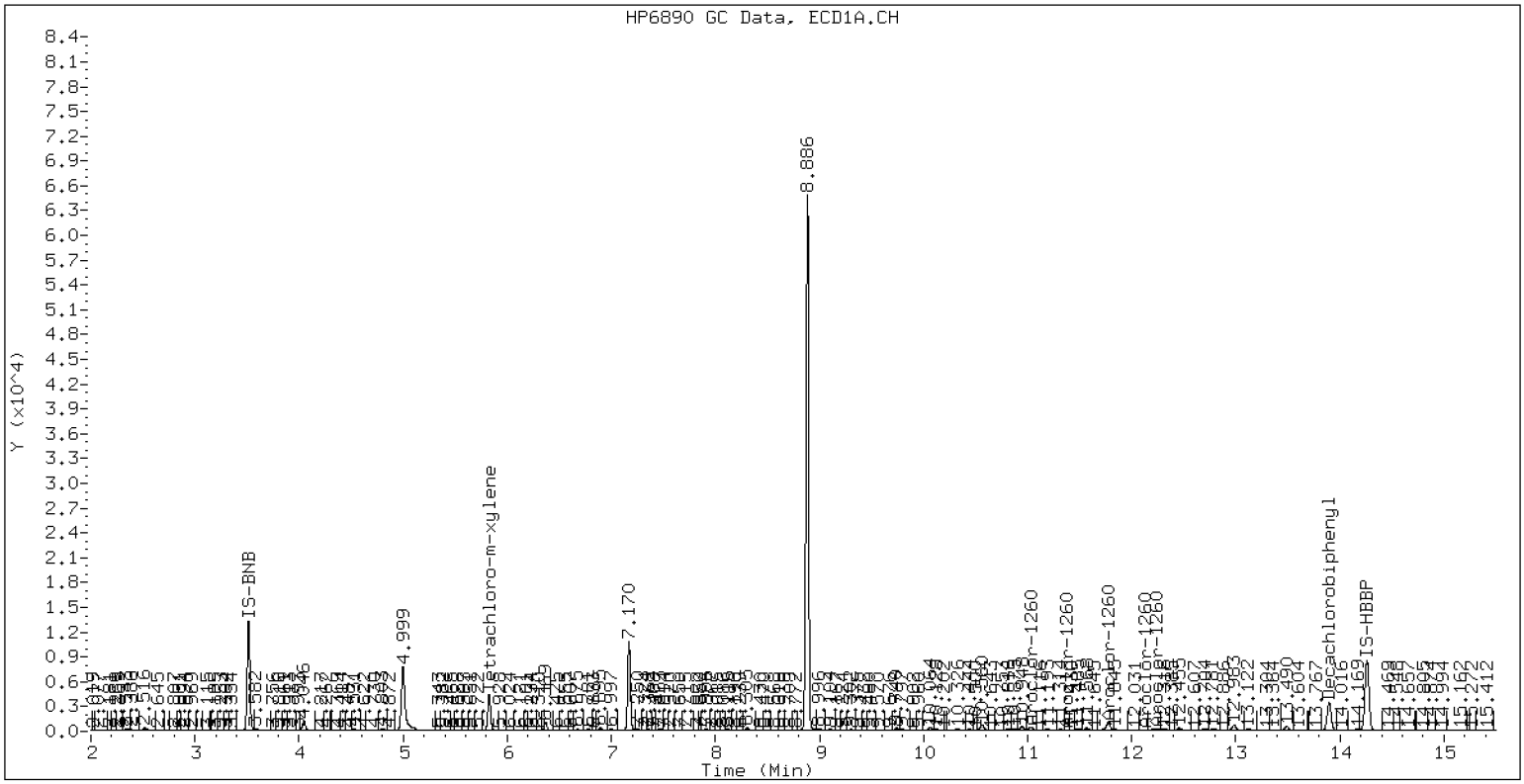
Total PCB Area Col2 (5.811 - 14.033) = 1387764 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

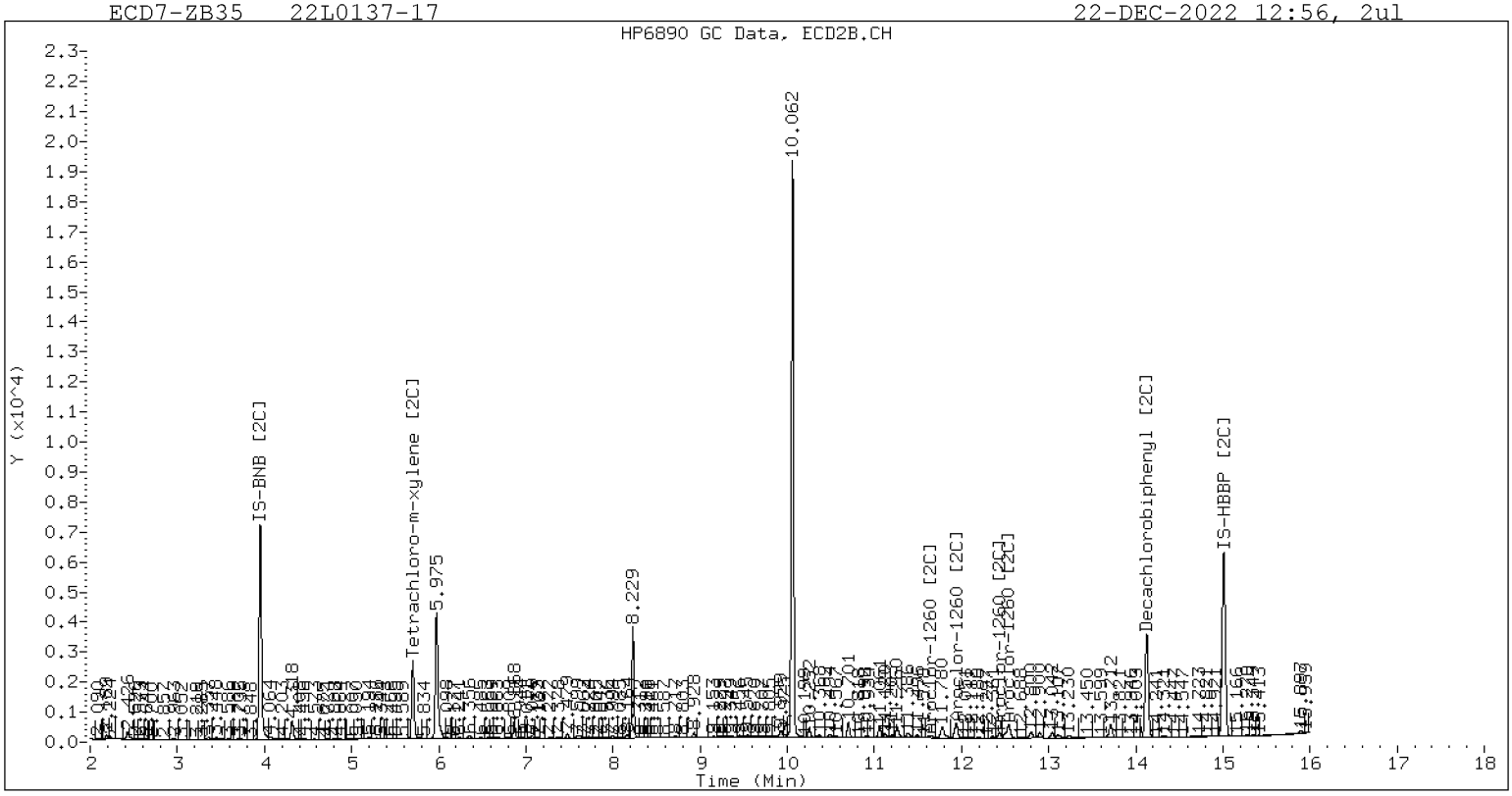
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-17 22-DEC-2022 12:56, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-17 22-DEC-2022 12:56, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785A

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-18 B	File ID:	12212262ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 13:17
% Solids:	49.42	Preparation:	EPA 3546 (Microwave)	Initial/Final:	25.29 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	37.9	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	51.8	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	38.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0011*	*7.69*	*96.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0011*	*5.79*	*72.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0011*	*6.87*	*85.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0011*	*6.15*	*76.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212262ECD7.D
Data file 2: /221221.b/221221.b/12212262ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-18
Client ID:
Injection Date: 22-DEC-2022 13:17
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	210112	5.706	-0.005	126617	28.9	30.8	6.1	Tetrachloro-m-xylene
13.898	-0.006	185120	14.128	-0.004	169724	38.4	34.4	11.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	512256	14.4
Hexabromobiphenyl	798898	525382	-34.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	300345	20.6
Hexabromobiphenyl	362541	347983	-4.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.015	28767	130.6	1	8.316	-0.008	18788	153.1
Aroclor-1248	2	8.581	-0.024	34284	121.9	2	8.719	-0.008	24122	186.9
Aroclor-1248	3	8.998	-0.024	92623	183.1	3	9.154	-0.017	35096	223.6
Aroclor-1248	4	9.302	-0.010	80036	322.9	4	9.630	0.038	5061	27.5
		Total Col1Ave (4 peaks):			189.6		Total Col2Ave (4 peaks):			147.8 RPD = 25
		Corrected Ave (3 peaks):			145.2		Corrected Ave (3 peaks):			122.5 RPD = 17
Aroclor-1254	1	9.302	-0.014	80036	177.5	1	9.453	-0.010	45099	232.9
Aroclor-1254	2	9.377	-0.017	37946	216.3	2	9.972	-0.009	22649	145.5
Aroclor-1254	3	9.672	-0.014	55856	196.1	3	10.119	-0.013	79235	236.8
Aroclor-1254	4	9.802	-0.019	111762	201.3	4	10.359	-0.021	107563	310.4
Aroclor-1254	5	10.139	-0.036	83513	219.4	5	10.568	-0.010	61719	369.2
		Total Col1Ave (5 peaks):			202.1		Total Col2Ave (5 peaks):			258.9 RPD = 25
		Corrected Ave (4 peaks):			197.8		Corrected Ave (4 peaks):			231.4 RPD = 16
Aroclor-1260	1	11.046	-0.010	38213	199.8	1	11.657	-0.008	32642	177.7
Aroclor-1260	2	11.360	-0.014	31064	157.1	2	11.917	-0.010	65537	142.2
Aroclor-1260	3	11.730	-0.018	83296	160.3	3	12.433	-0.013	37129	302.5
Aroclor-1260	4	12.132	-0.017	49264	186.1	4	12.501	-0.010	47911	155.9
Aroclor-1260	5	12.246	-0.009	21821	201.4	NS	---			----
		Total Col1Ave (5 peaks):			180.9		Total Col2Ave (4 peaks):			194.6 RPD = 7
		Corrected Ave (4 peaks):			175.8		Corrected Ave (3 peaks):			158.6 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 3765905 Col1 Total PCB = 0.8 ppm*

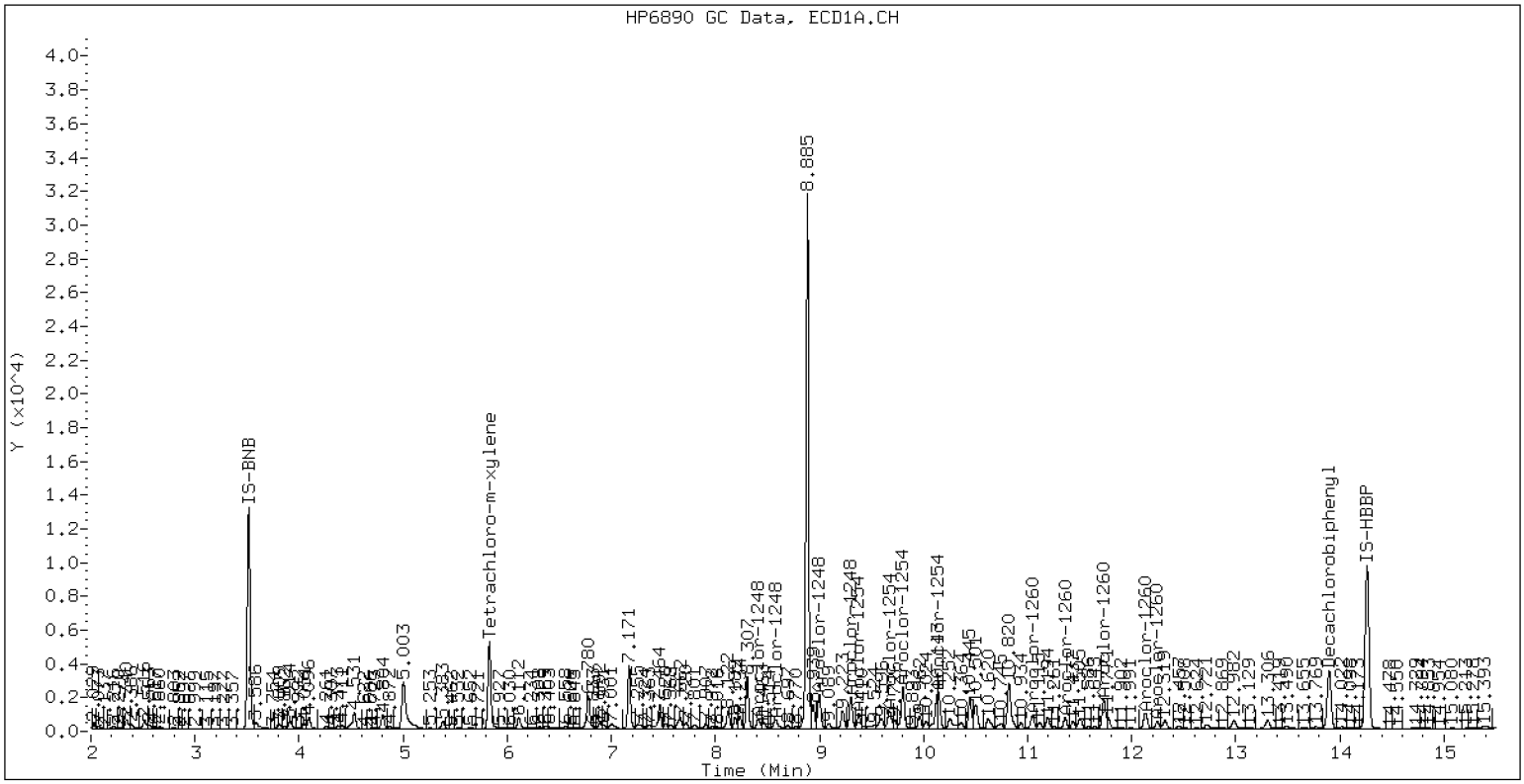
Total PCB Area Col2 (5.810 - 14.032) = 2000587 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

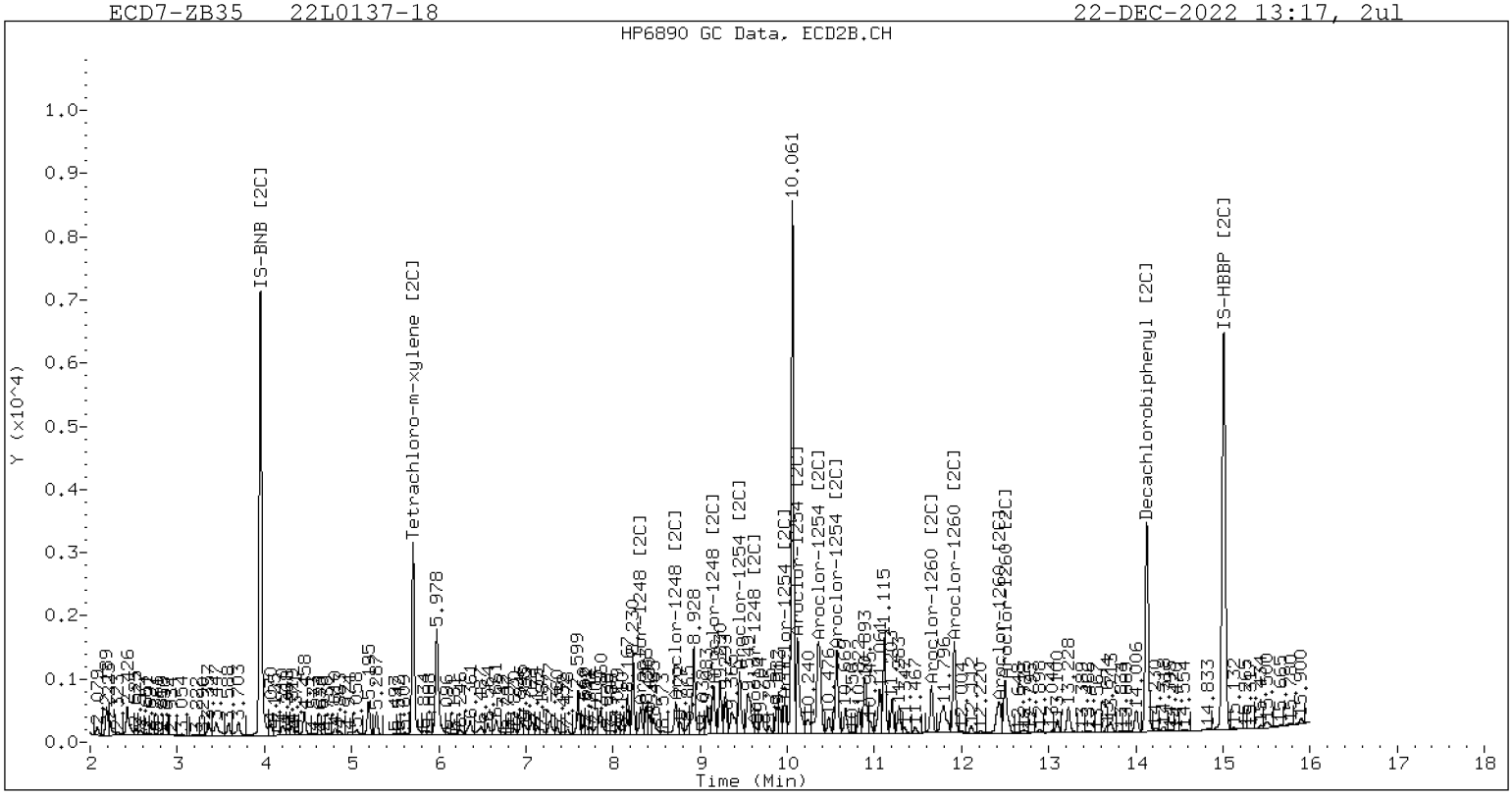
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-18 22-DEC-2022 13:17, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-18 22-DEC-2022 13:17, 2ul

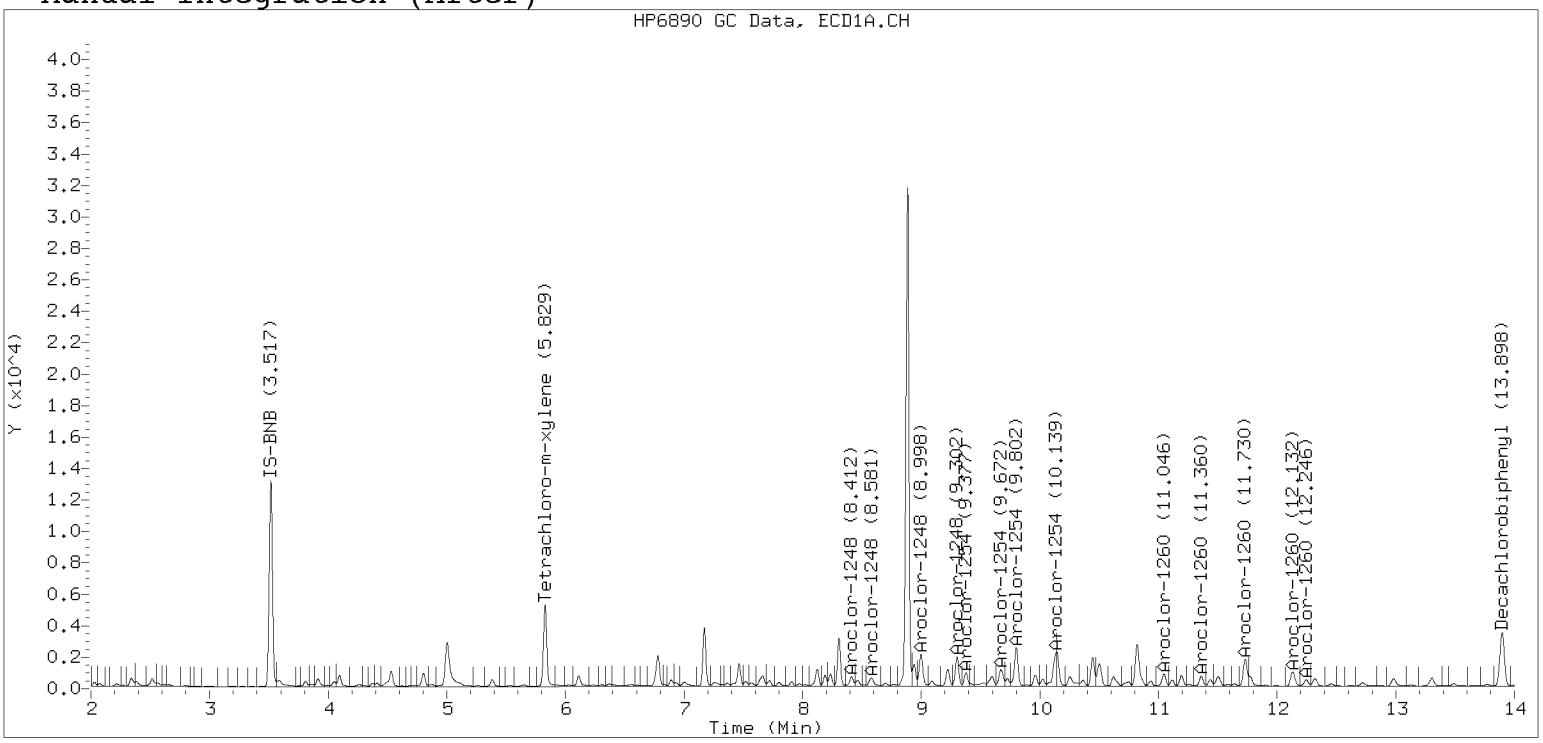


ZB-35 Manual Integration: NO

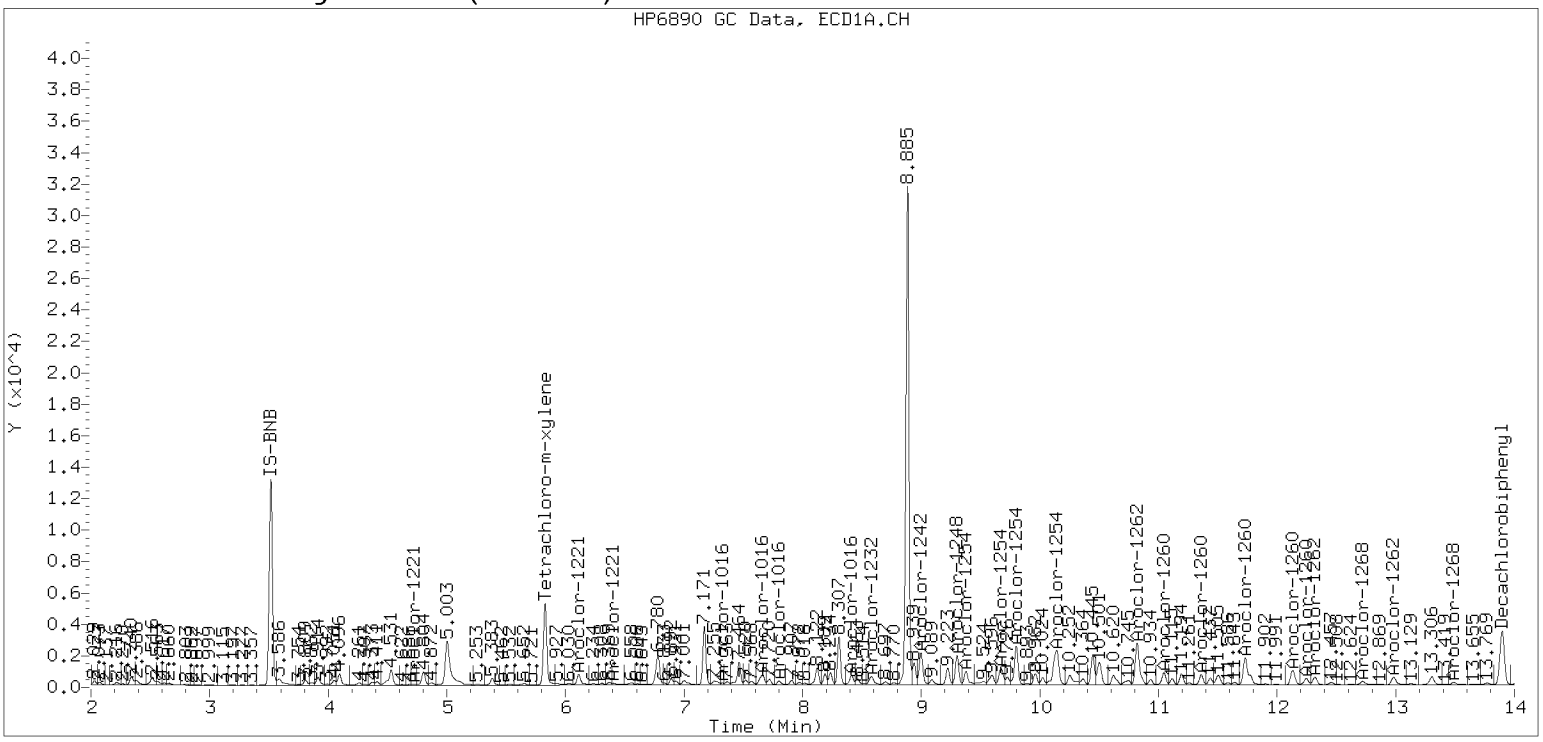
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212262ECD7.D Injection Date: 22-DEC-2022 13:17

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785B

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-19 B	File ID:	01052390ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	01/06/23 19:39
% Solids:	48.64	Preparation:	EPA 3546 (Microwave)	Initial/Final:	25.77 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SLA0096	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	30.1	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	45.9	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	37.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9780*	*6.44*	*80.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9780*	*5.16*	*64.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9780*	*5.98*	*75.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9780*	*5.36*	*67.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052390ECD7.D
Data file 2: /230105.b/230105.b/01052390ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-19
Client ID:
Injection Date: 06-JAN-2023 19:39
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.826	-0.007	171398	5.702	-0.008	117985	25.9	26.9	3.9	Tetrachloro-m-xylene
13.895	-0.009	149774	14.123	-0.005	160225	32.3	30.0	7.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	467767	4.5
Hexabromobiphenyl	798898	506108	-36.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	320221	28.6
Hexabromobiphenyl	362541	376373	3.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.409	-0.014	24383	121.2	1	8.312	-0.009	18417	140.8
Aroclor-1248	2	8.577	-0.022	19213	74.8	2	8.718	-0.009	15973	116.1
Aroclor-1248	3	8.997	-0.019	58042	125.6	3	9.150	-0.023	20944	125.1
Aroclor-1248	4	9.298	-0.013	63878	282.3	4	9.543	-0.050	22333	113.7
		Total Col1Ave (4 peaks):			151.0	Total Col2Ave (4 peaks):				123.9 RPD = 20
		Corrected Ave (3 peaks):			107.2	Corrected Ave (3 peaks):				118.3 RPD = 10
										127.33
Aroclor-1254	1	9.298	-0.014	63878	155.1	1	9.448	-0.013	40778	197.5
Aroclor-1254	2	9.373	-0.019	26958	168.3	2	9.966	-0.011	19629	118.3
Aroclor-1254	3	9.671	-0.014	51952	199.7	3	10.115	-0.015	73687	206.5
Aroclor-1254	4	9.798	-0.021	91055	179.6	4	10.365	-0.013	89306	241.7
Aroclor-1254	5	10.127	-0.048	117944	339.3	5	10.563	-0.012	68731	385.7
		Total Col1Ave (5 peaks):			208.4	Total Col2Ave (5 peaks):				229.9 RPD = 10
		Corrected Ave (4 peaks):			175.7	Corrected Ave (4 peaks):				191.0 RPD = 8
Aroclor-1260	1	11.044	-0.012	41262	224.0	1	11.653	-0.010	37398	188.2
Aroclor-1260	2	11.358	-0.014	32808	172.2	2	11.913	-0.013	80833	162.1
Aroclor-1260	3	11.728	-0.018	98865	197.5	3	12.432	-0.011	30682	231.1
Aroclor-1260	4	12.128	-0.022	51348	201.4	4	12.496	-0.012	57315	172.5
Aroclor-1260	5	12.243	-0.012	23456	224.7	NS	---			----
		Total Col1Ave (5 peaks):			204.0	Total Col2Ave (4 peaks):				188.5 RPD = 8
		Corrected Ave (4 peaks):			198.8	Corrected Ave (3 peaks):				174.3 RPD = 13
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1929114 Col1 Total PCB = 0.4 ppm*

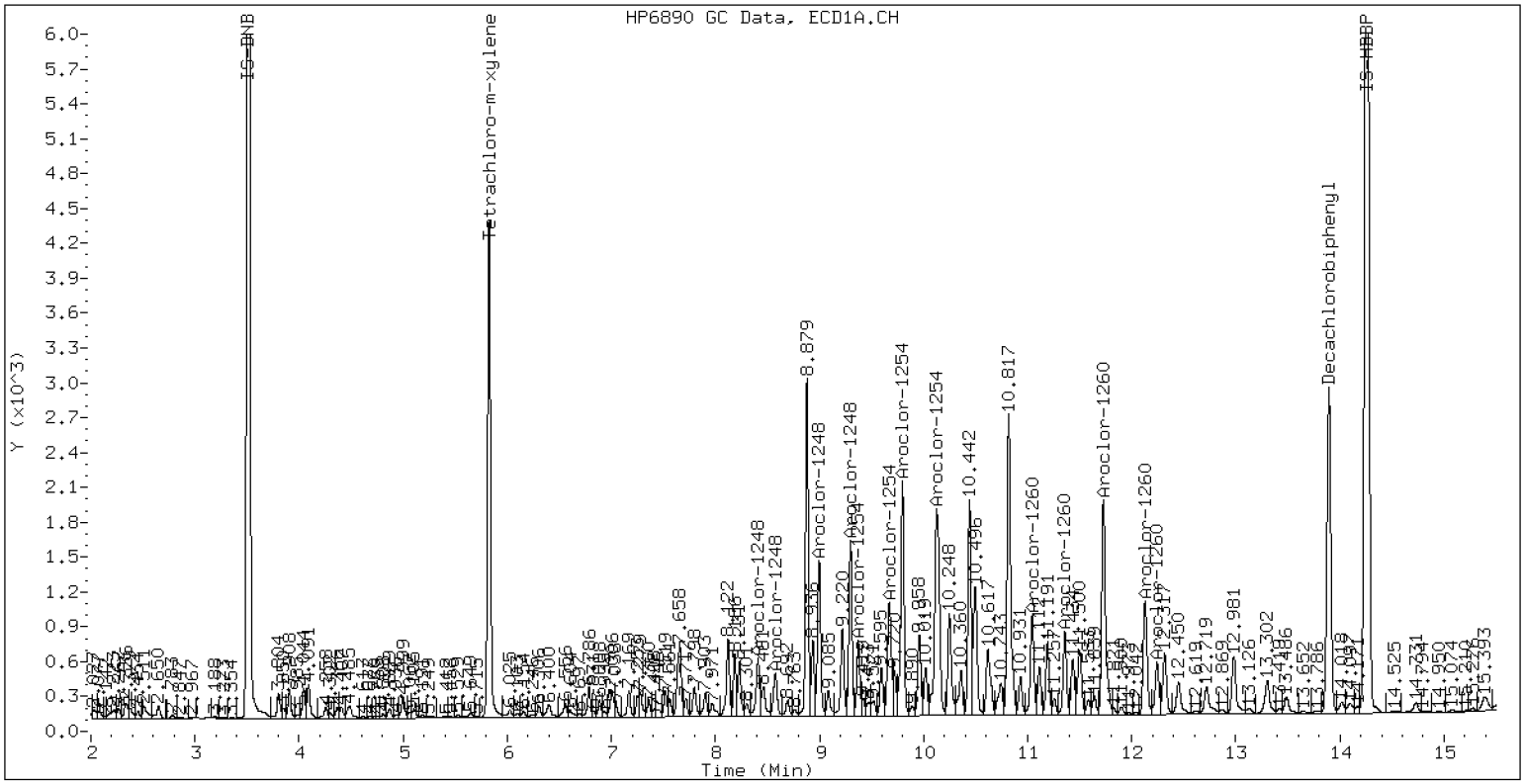
Total PCB Area Col2 (5.810 - 14.028) = 1384007 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

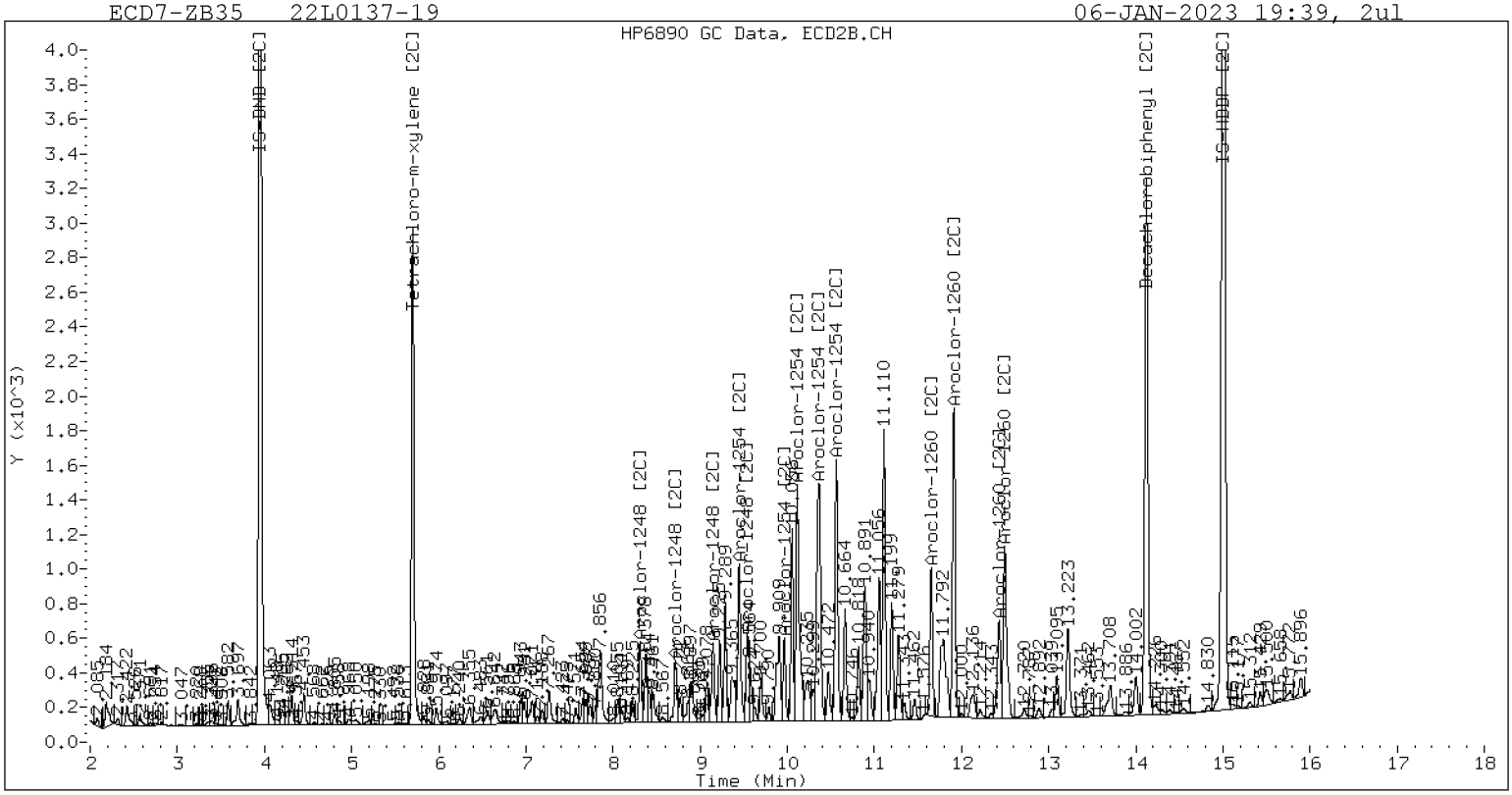
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-19 06-JAN-2023 19:39, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-19 06-JAN-2023 19:39, 2ul

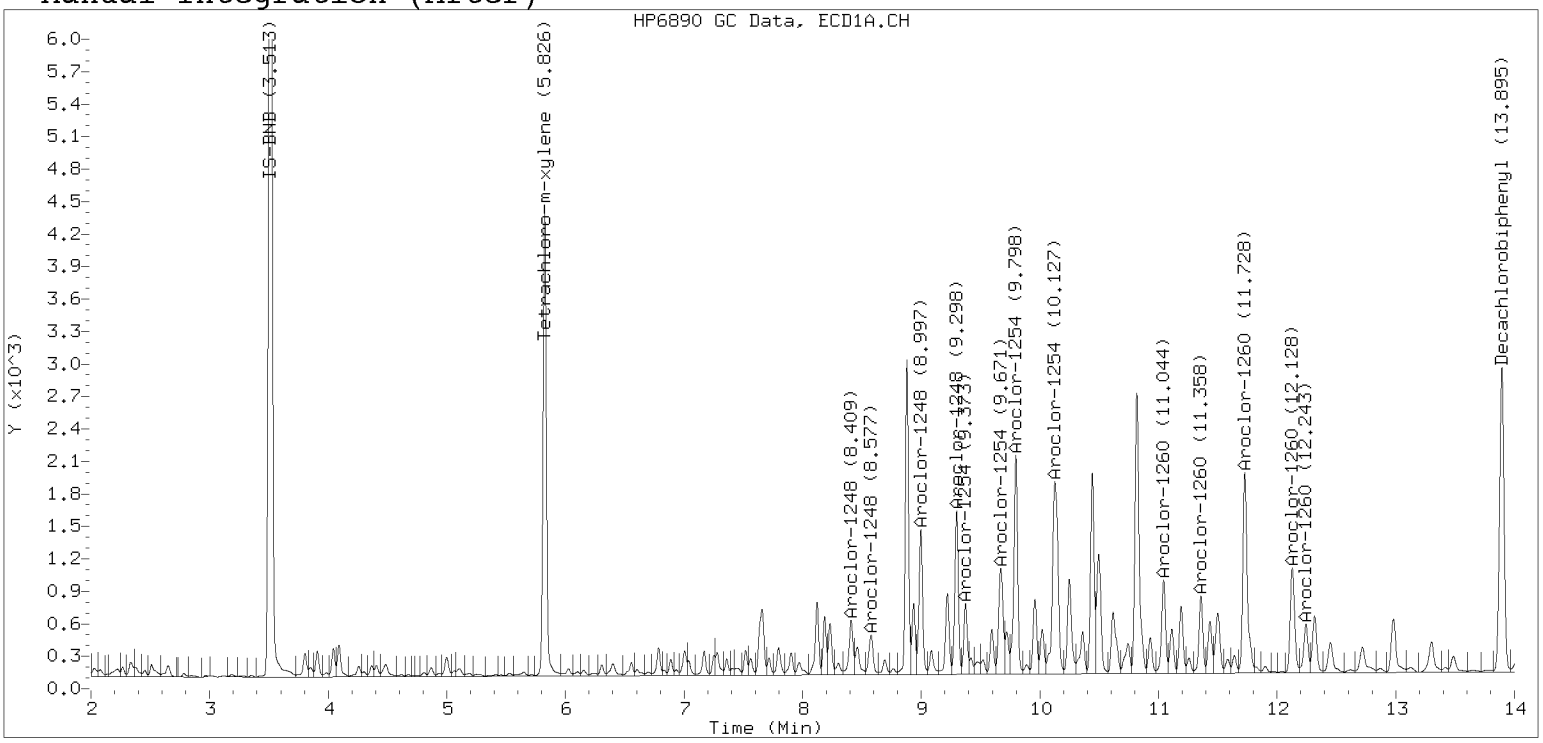


ZB-35 Manual Integration: YES

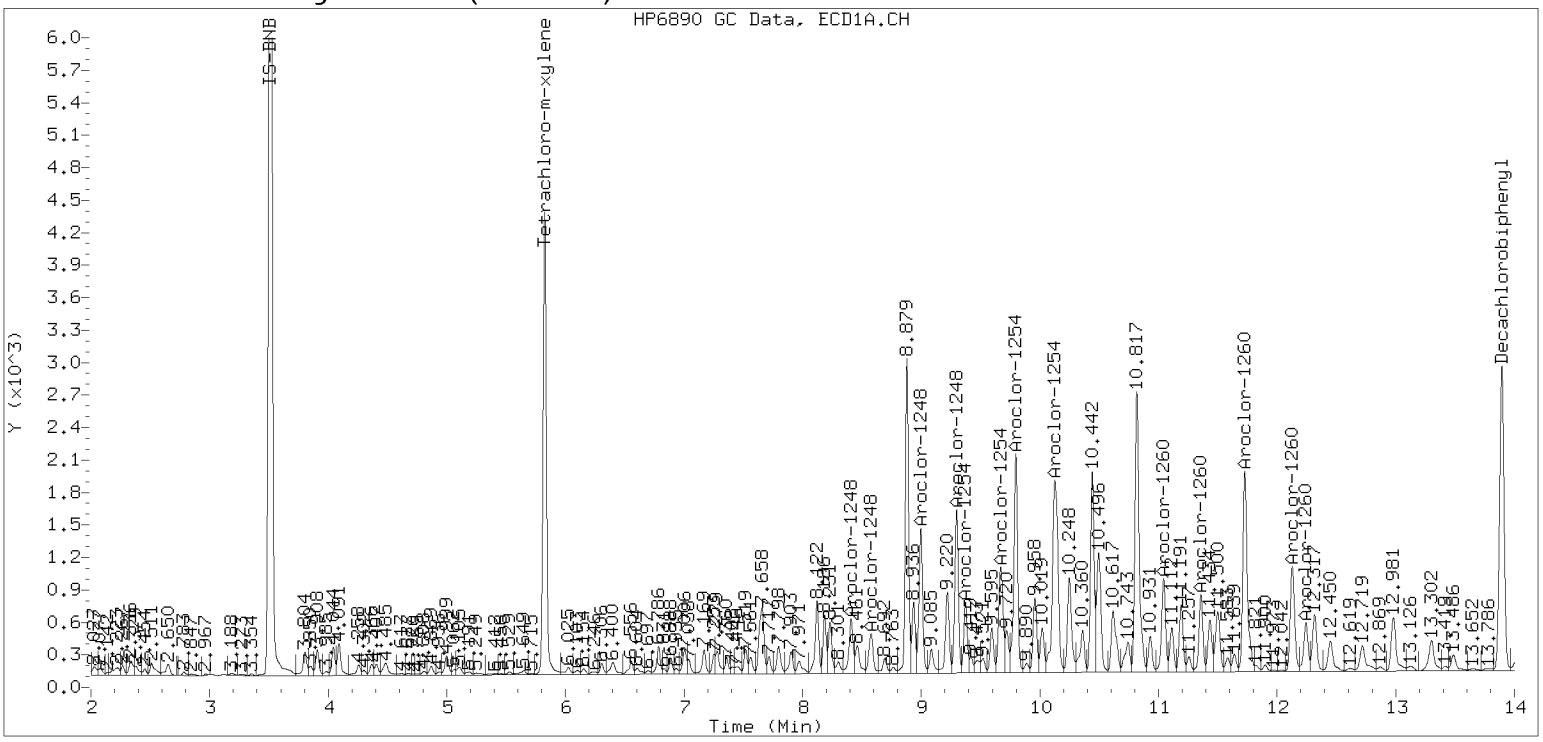
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230105.b/01052390ECD7.D Injection Date: 06-JAN-2023 19:39

Manual Integration (After)



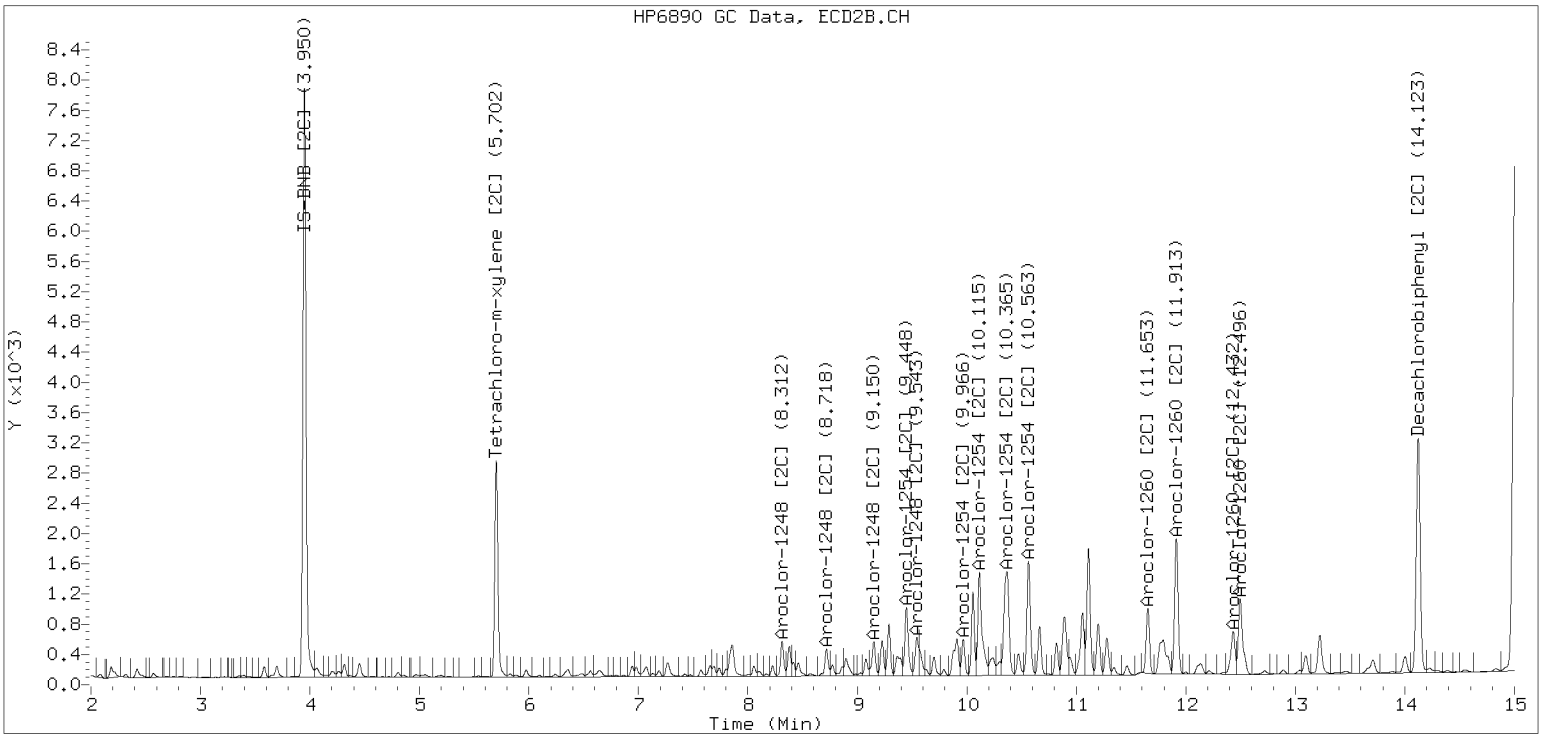
Processed Integration (Before)



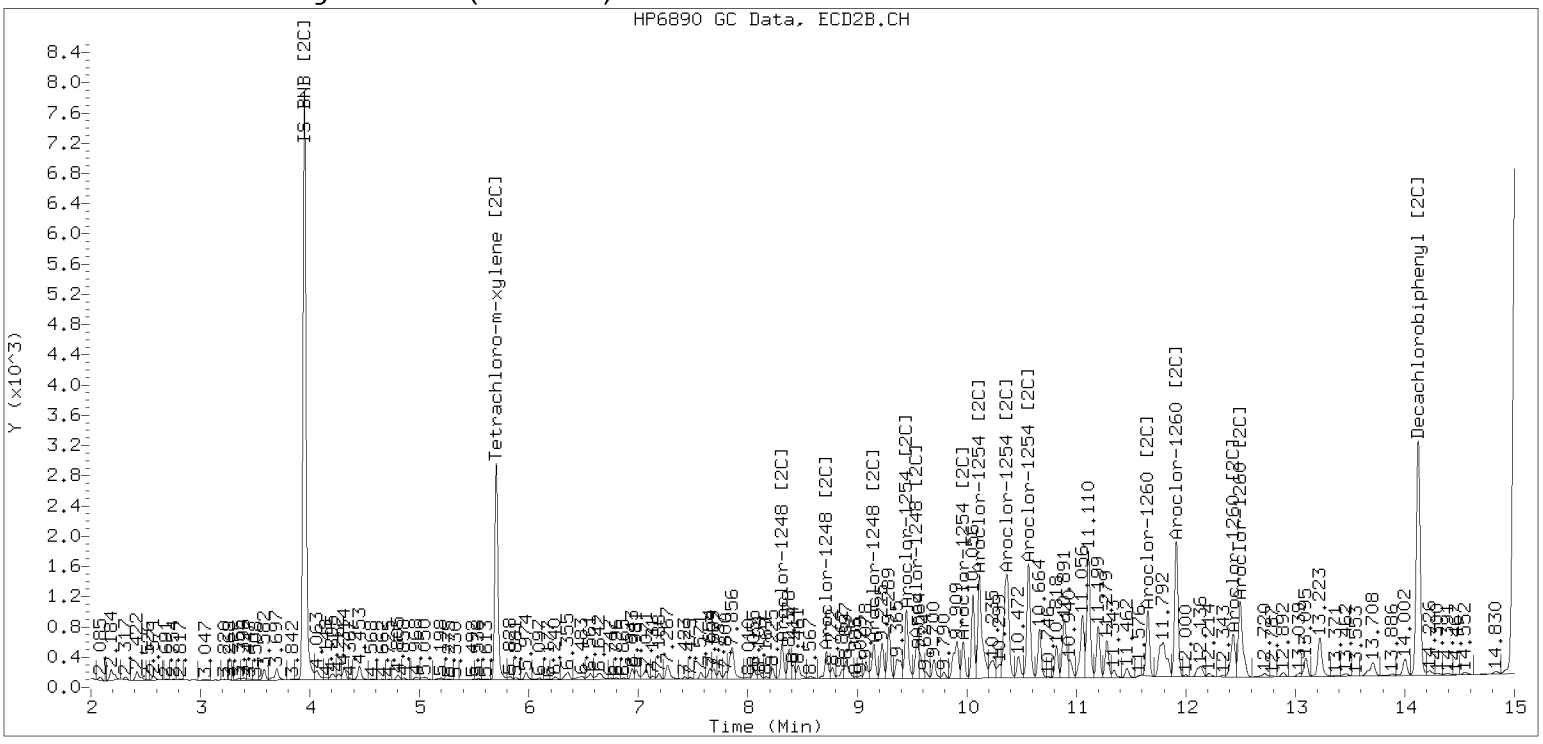
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230105.b/230105.b/01052390ECD7.D Injection Date: 06-JAN-2023

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-20 B	File ID:	12212264ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 14:00
% Solids:	53.28	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.51 g Wet / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	22.5	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	47.1	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	39.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9833*	*7.01*	*87.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9833*	*5.20*	*65.2*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9833*	*6.44*	*80.7*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9833*	*5.55*	*69.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212264ECD7.D
Data file 2: /221221.b/221221.b/12212264ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-20
Client ID:
Injection Date: 22-DEC-2022 14:00
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	188828	5.707	-0.003	112286	26.1	27.8	6.4	Tetrachloro-m-xylene
13.897	-0.007	162029	14.127	-0.005	154424	35.1	32.3	8.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	510996	14.2
Hexabromobiphenyl	798898	502910	-37.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	294706	18.3
Hexabromobiphenyl	362541	336885	-7.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.015	28217	128.4	1	8.316	-0.007	18337	152.3
Aroclor-1248	2	8.581	-0.023	22478	80.1	2	8.723	-0.005	15899	125.6
Aroclor-1248	3	8.999	-0.023	65532	129.9	3	9.154	-0.017	21516	139.7
Aroclor-1248	4	9.301	-0.010	68809	278.3	4	9.630	0.038	2822	15.6
	Total Col1Ave (4 peaks):				154.2	Total Col2Ave (4 peaks):				108.3 RPD = 35
	Corrected Ave (3 peaks):				112.8	Corrected Ave (3 peaks):				93.6 RPD = 19
Aroclor-1254	1	9.301	-0.014	68809	152.9	1	9.453	-0.010	38409	202.1
Aroclor-1254	2	9.422	0.028	5523	31.6	2	9.971	-0.010	18904	123.7
Aroclor-1254	3	9.674	-0.013	54172	190.6	3	10.120	-0.012	70673	215.2
Aroclor-1254	4	9.802	-0.019	97620	176.2	4	10.368	-0.012	83929	246.8
Aroclor-1254	5	10.132	-0.043	126994	334.5	5	10.568	-0.011	64390	392.6
	Total Col1Ave (5 peaks):				177.2	Total Col2Ave (5 peaks):				236.1 RPD = 29
	Corrected Ave (4 peaks):				137.8	Corrected Ave (4 peaks):				197.0 RPD = 35
Aroclor-1260	1	11.046	-0.011	43401	237.1	1	11.657	-0.008	36067	202.8
Aroclor-1260	2	11.361	-0.014	35553	187.8	2	11.918	-0.009	77744	174.2
Aroclor-1260	3	11.731	-0.017	103133	207.3	3	12.438	-0.009	28105	236.5
Aroclor-1260	4	12.131	-0.017	55496	219.1	4	12.501	-0.010	55291	185.9
Aroclor-1260	5	12.247	-0.009	24521	236.4	NS	---			----
	Total Col1Ave (5 peaks):				217.5	Total Col2Ave (4 peaks):				199.9 RPD = 8
	Corrected Ave (4 peaks):				212.6	Corrected Ave (3 peaks):				187.6 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2154121 Col1 Total PCB = 0.4 ppm*

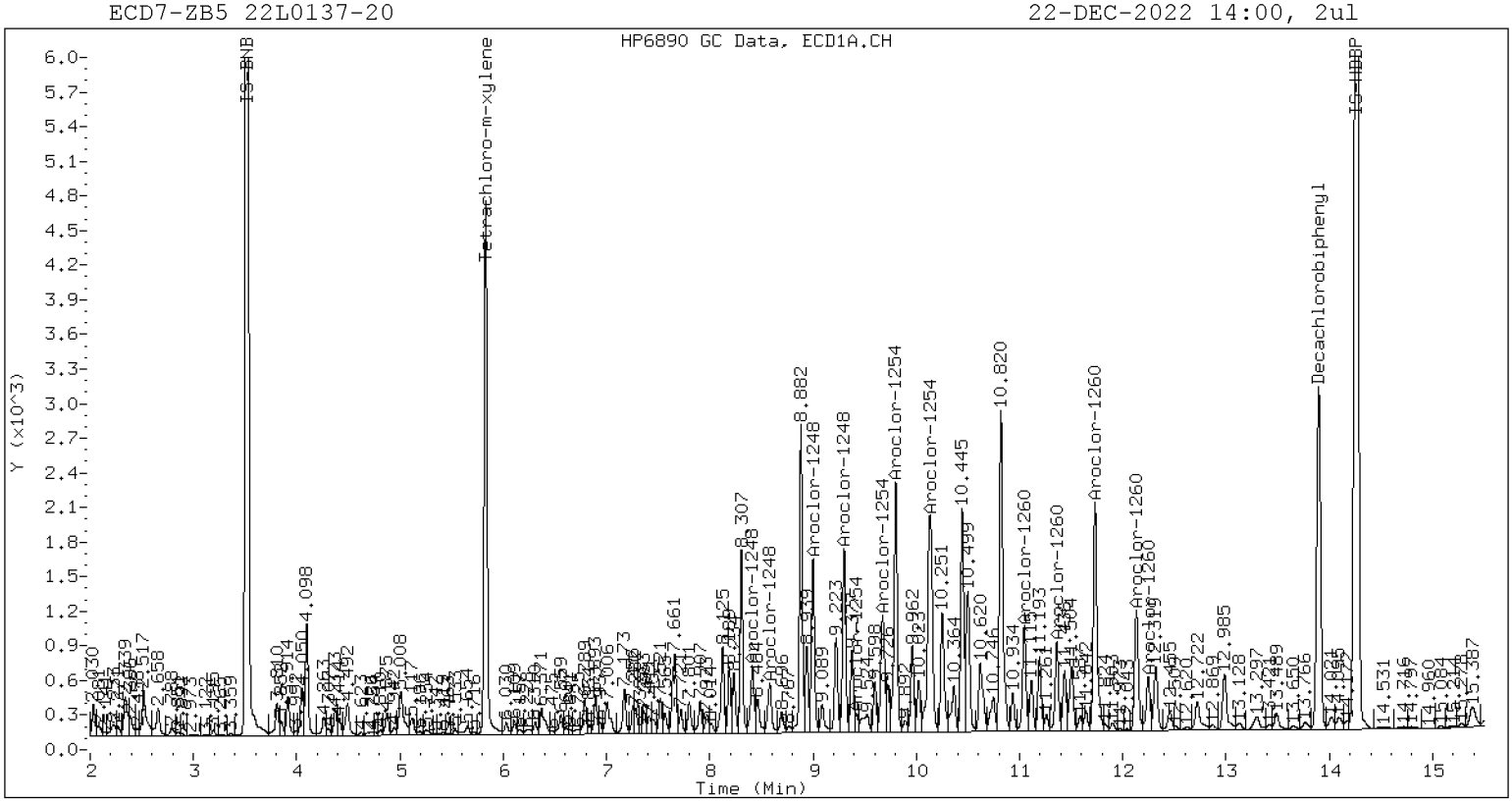
Total PCB Area Col2 (5.810 - 14.032) = 1375662 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

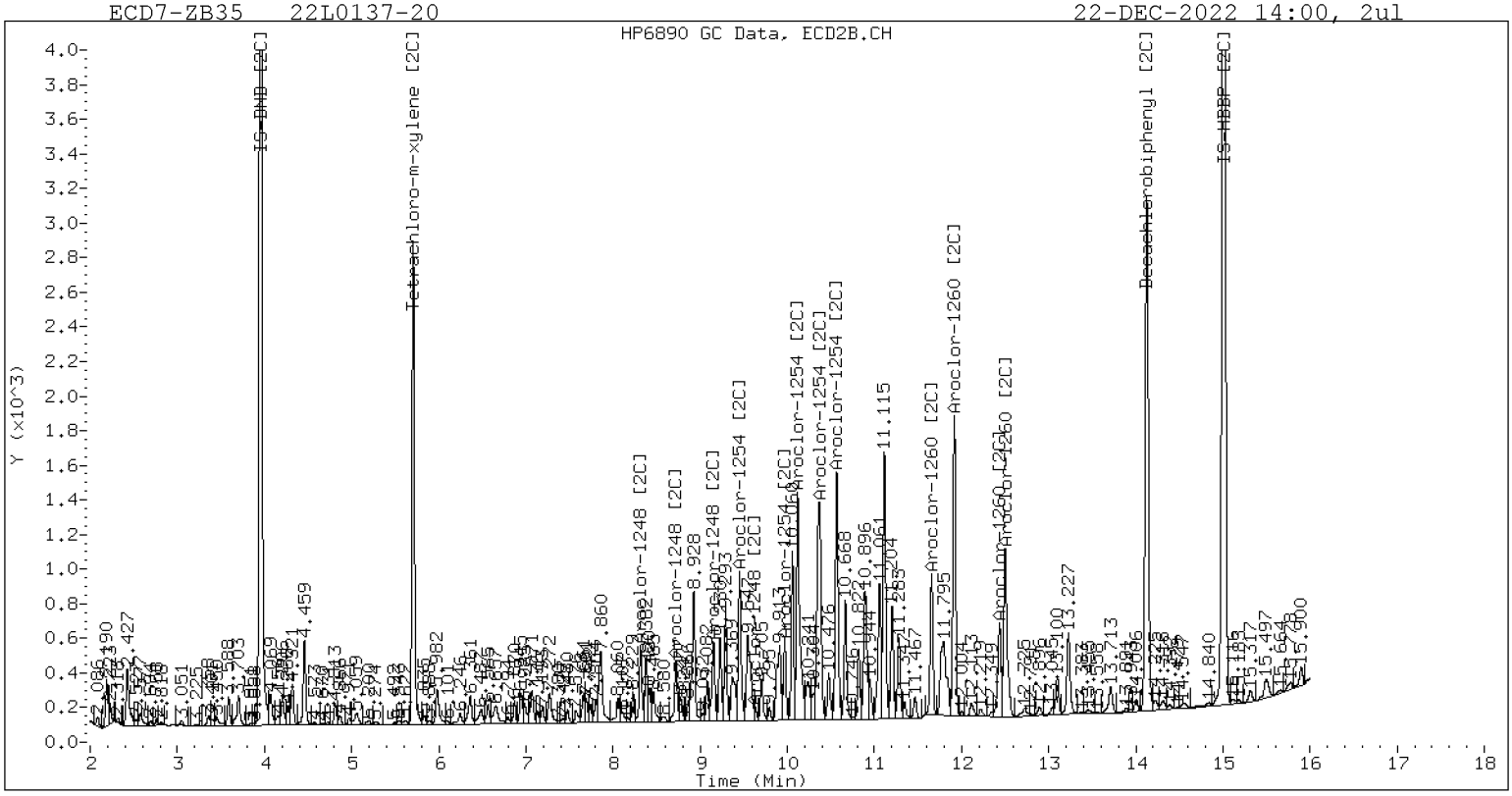
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-20 22-DEC-2022 14:00, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-20 22-DEC-2022 14:00, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-21 B	File ID:	12192257ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 10:23
% Solids:	51.05	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.51 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0282	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	49.4	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	64.7	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	75.2	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9921*	*8.52*	*107*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9921*	*5.95*	*74.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192257ECD7.D
Data file 2: /221219.b/221219.b/12192257ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-21
Client ID:
Injection Date: 20-DEC-2022 10:23
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.009	215914	5.704	-0.009	131739	29.8	32.8	9.7	Tetrachloro-m-xylene
13.896	-0.012	172135	14.127	-0.010	173347	42.7	39.0	9.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	511817	14.3
Hexabromobiphenyl	798898	440286	-44.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	292981	17.6
Hexabromobiphenyl	362541	313444	-13.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.411	-0.016	60515	275.0	1	8.315	-0.012	38821	324.3
Aroclor-1248	2	8.580	-0.025	53216	189.4	2	8.721	-0.012	38614	306.7
Aroclor-1248	3	8.996	-0.026	139491	276.0	3	9.152	-0.025	53982	352.5
Aroclor-1248	4	9.299	-0.012	132715	536.0	4	9.629	0.027	4904	27.3
		Total Col1Ave (4 peaks):			319.1		Total Col2Ave (4 peaks):			252.7 RPD = 23
		Corrected Ave (3 peaks):			246.8		Corrected Ave (3 peaks):			219.5 RPD = 12
Aroclor-1254	1	9.299	-0.022	132715	294.5	1	9.452	-0.015	74827	396.1
Aroclor-1254	2	9.374	-0.027	60678	346.2	2	9.970	-0.017	39137	257.7
Aroclor-1254	3	9.669	-0.026	93951	330.1	3	10.118	-0.021	135062	413.7
Aroclor-1254	4	9.799	-0.032	181161	326.5	4	10.360	-0.029	162786	481.5
Aroclor-1254	5	10.135	-0.055	227185	597.4	5	10.567	-0.019	108962	668.2
		Total Col1Ave (5 peaks):			378.9		Total Col2Ave (5 peaks):			443.5 RPD = 16
		Corrected Ave (4 peaks):			324.3		Corrected Ave (4 peaks):			387.3 RPD = 18
Aroclor-1260	1	11.044	-0.018	68323	426.3	1	11.656	-0.013	63146	381.7
Aroclor-1260	2	11.360	-0.017	54412	328.3	2	11.918	-0.015	125637	302.6
Aroclor-1260	3	11.730	-0.021	157811	362.3	3	12.436	-0.015	45876	415.0
Aroclor-1260	4	12.131	-0.028	85004	383.3	4	12.501	-0.016	87737	317.0
Aroclor-1260	5	12.246	-0.016	34633	381.4	NS	---			----
		Total Col1Ave (5 peaks):			376.3		Total Col2Ave (4 peaks):			354.1 RPD = 6
		Corrected Ave (4 peaks):			363.8		Corrected Ave (3 peaks):			333.8 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 3419210 Col1 Total PCB = 0.6 ppm*

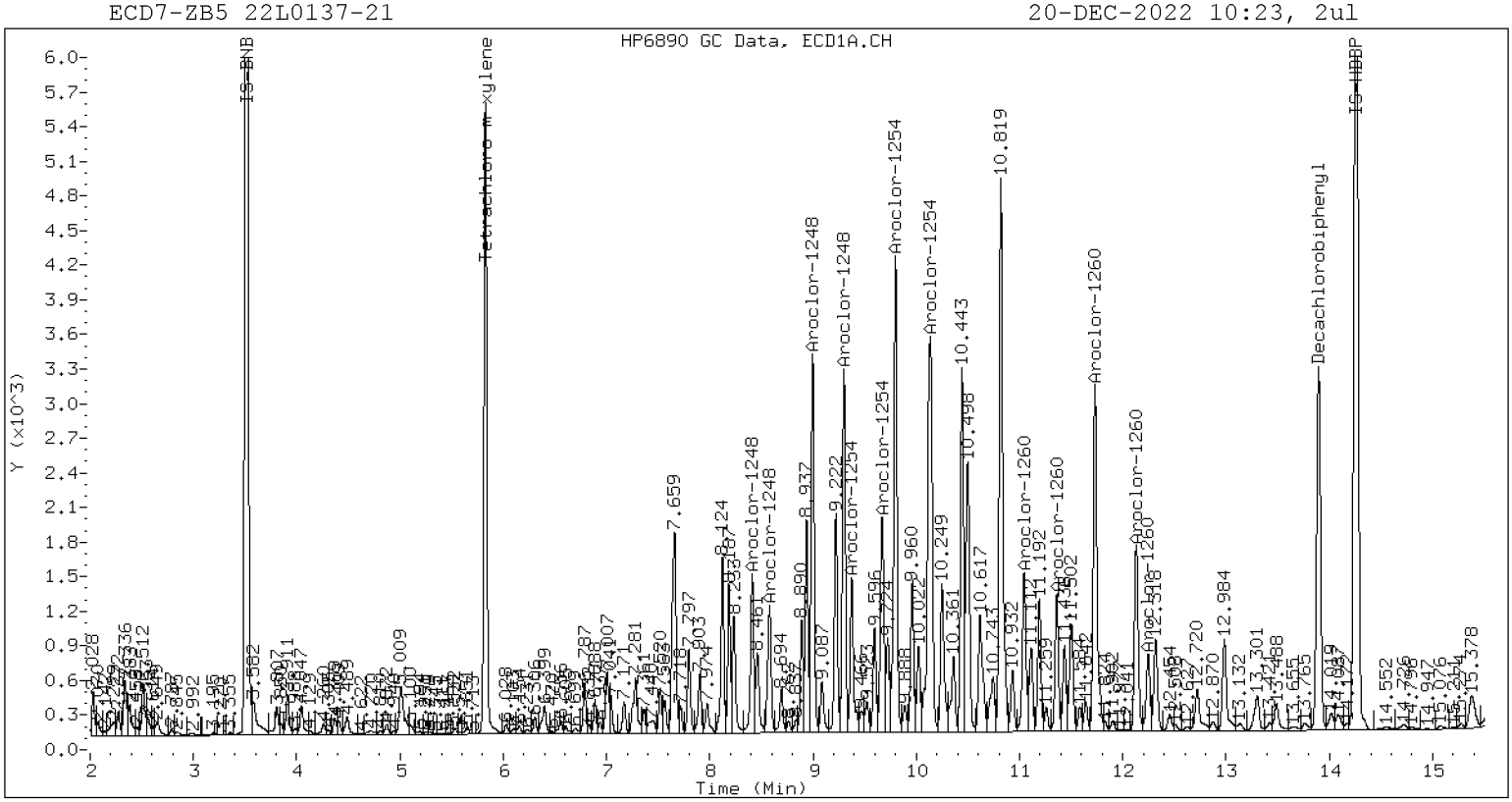
Total PCB Area Col2 (5.936 - 13.808) = 2335269 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

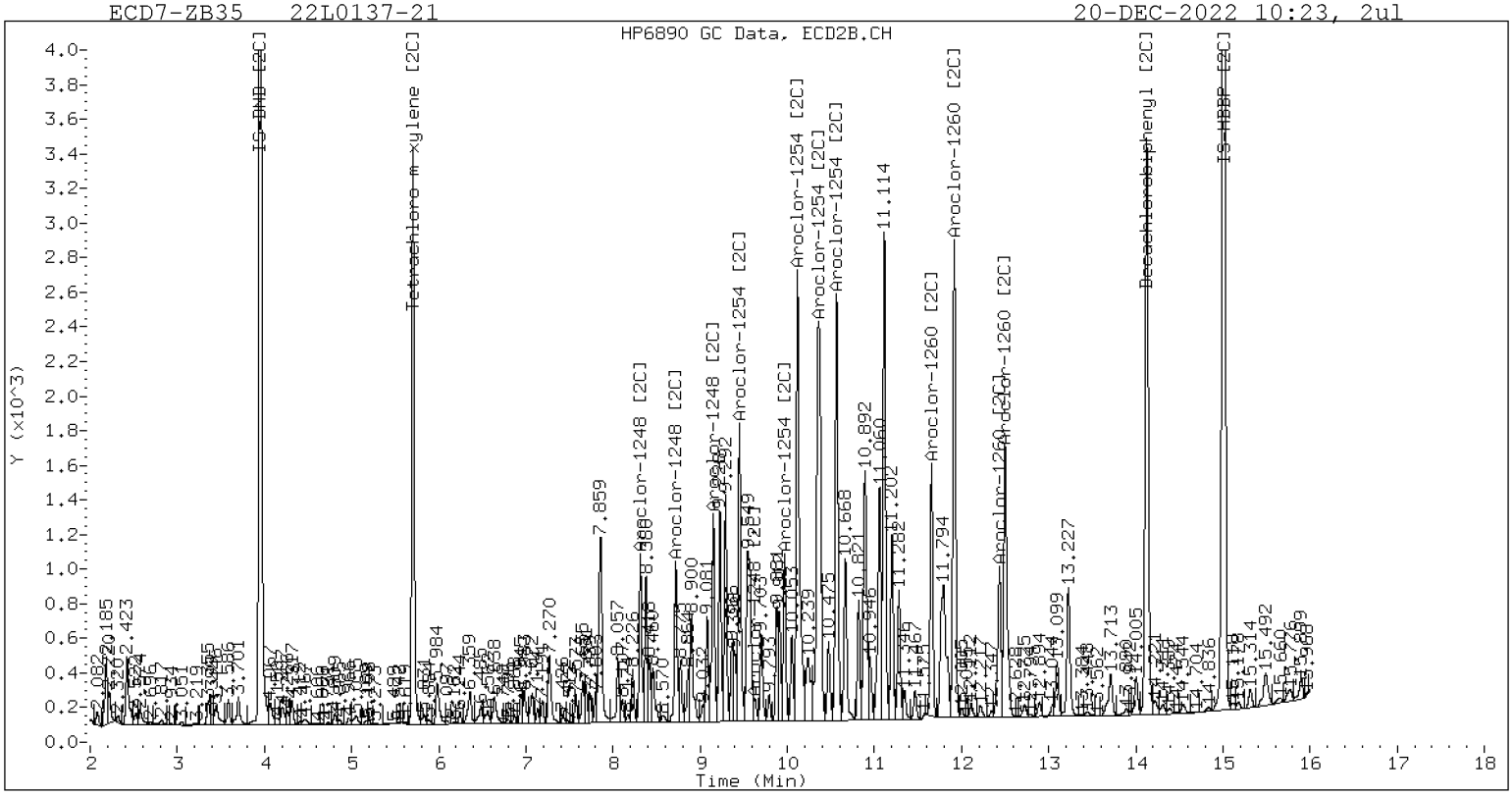
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-21 20-DEC-2022 10:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-21 20-DEC-2022 10:23, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785E

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-22 B	File ID:	12192258ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 10:44
% Solids:	50.22	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.91 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0282	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	29.4	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	31.9	1.6	4.0	P1
11096-82-5	Aroclor 1260	1	1	61.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9937*	*8.25*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9937*	*5.86*	*73.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192258ECD7.D
Data file 2: /221219.b/221219.b/12192258ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-22
Client ID:
Injection Date: 20-DEC-2022 10:44
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	194263	5.705	-0.008	118845	29.3	31.7	7.9	Tetrachloro-m-xylene
13.896	-0.012	156948	14.126	-0.011	160002	41.3	37.7	9.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	467834	4.5
Hexabromobiphenyl	798898	414800	-48.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	273526	9.8
Hexabromobiphenyl	362541	298831	-17.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.410	-0.017	35826	178.1	1	8.315	-0.012	22427	200.7
Aroclor-1248	2	8.579	-0.025	26231	102.1	2	8.721	-0.011	19682	167.5
Aroclor-1248	3	8.997	-0.025	74121	160.4	3	9.152	-0.025	27443	192.0
Aroclor-1248	4	9.299	-0.012	76654	338.7	4	9.547	-0.055	45349	270.2
	Total Col1Ave (4 peaks):				194.8	Total Col2Ave (4 peaks):				207.6 RPD = 6
	Corrected Ave (3 peaks):				146.9	Corrected Ave (3 peaks):				186.7 RPD = 24
Aroclor-1254	1	9.299	-0.022	76654	186.1	1	9.452	-0.015	47234	267.8
Aroclor-1254	2	9.420	0.018	8131	50.8	2	9.970	-0.017	20151	142.1
Aroclor-1254	3	9.674	-0.021	60381	232.1	3	10.119	-0.021	82013	269.1
Aroclor-1254	4	9.799	-0.032	106121	209.3	4	10.370	-0.020	98911	313.4
Aroclor-1254	5	10.249	0.060	41631	119.8	5	10.568	-0.019	78576	516.2
	Total Col1Ave (5 peaks):				159.6	Total Col2Ave (5 peaks):				301.7 RPD = 62*
	Corrected Ave (4 peaks):				141.5	Corrected Ave (4 peaks):				248.1 RPD = 55*
Aroclor-1260	1	11.045	-0.017	51567	341.5	1	11.657	-0.012	45248	286.9
Aroclor-1260	2	11.360	-0.018	42737	273.7	2	11.917	-0.015	95301	240.8
Aroclor-1260	3	11.730	-0.022	119919	292.3	3	12.437	-0.015	35273	334.7
Aroclor-1260	4	12.130	-0.028	64245	307.5	4	12.500	-0.017	67669	256.5
Aroclor-1260	5	12.245	-0.016	27778	324.7	NS	---			----
	Total Col1Ave (5 peaks):				307.9	Total Col2Ave (4 peaks):				279.7 RPD = 10
	Corrected Ave (4 peaks):				299.5	Corrected Ave (3 peaks):				261.4 RPD = 14
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 2318859 Col1 Total PCB = 0.4 ppm*

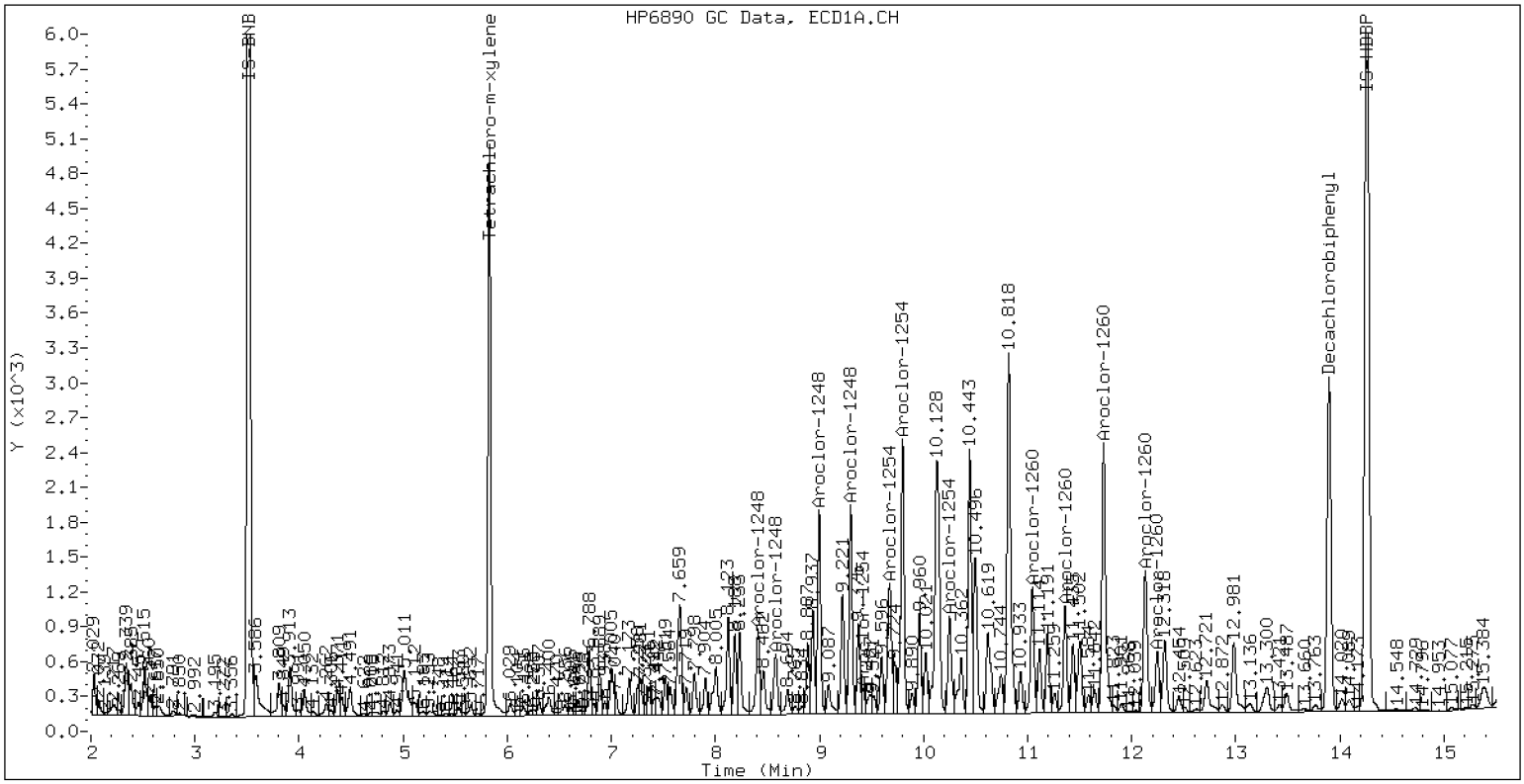
Total PCB Area Col2 (5.936 - 13.808) = 1587069 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

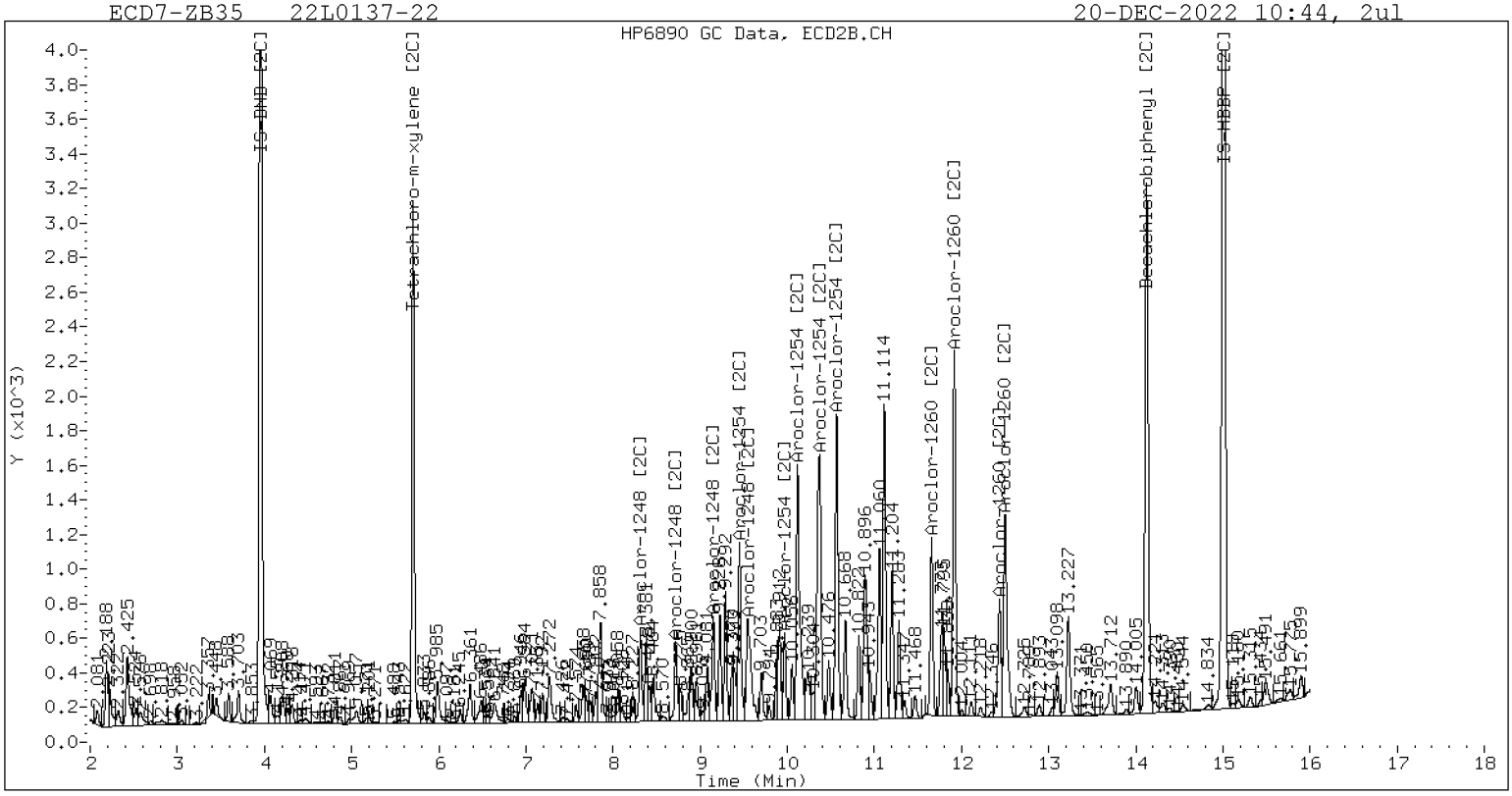
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-22 20-DEC-2022 10:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-22 20-DEC-2022 10:44, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-23 B	File ID:	12192259ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 11:05
% Solids:	51.12	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.48 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0282	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	43.6	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	55.9	1.6	4.0	P1
11096-82-5	Aroclor 1260	1	1	94.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9909*	*8.20*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9909*	*5.38*	*67.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192259ECD7.D
Data file 2: /221219.b/221219.b/12192259ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-23
Client ID:
Injection Date: 20-DEC-2022 11:05
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.827	-0.009	180477	5.704	-0.009	113695	26.9	29.9	10.4	Tetrachloro-m-xylene
13.896	-0.011	151519	14.127	-0.010	158913	41.0	37.9	8.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	473078	5.7
Hexabromobiphenyl	798898	402754	-49.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	277703	11.5
Hexabromobiphenyl	362541	295663	-18.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.410	-0.018	53416	262.6	1	8.314	-0.012	32746	288.6
Aroclor-1248	2	8.579	-0.025	34519	132.9	2	8.720	-0.012	29543	247.6
Aroclor-1248	3	8.997	-0.025	120890	258.8	3	9.151	-0.026	41280	284.4
Aroclor-1248	4	9.299	-0.012	134064	585.7	4	9.629	0.026	5249	30.8
		Total Col1Ave (4 peaks):			310.0	Total Col2Ave (4 peaks):				212.9 RPD = 37
		Corrected Ave (3 peaks):			218.1	Corrected Ave (3 peaks):				187.6 RPD = 15
Aroclor-1254	1	9.299	-0.022	134064	321.9	1	9.451	-0.016	80350	448.8
Aroclor-1254	2	9.419	0.018	10820	66.8	2	9.969	-0.018	36564	254.0
Aroclor-1254	3	9.671	-0.023	98888	375.9	3	10.118	-0.022	143691	464.4
Aroclor-1254	4	9.799	-0.032	184046	358.9	4	10.366	-0.023	171191	534.2
Aroclor-1254	5	10.130	-0.059	242892	691.0	5	10.567	-0.020	129509	838.0
		Total Col1Ave (5 peaks):			362.9	Total Col2Ave (5 peaks):				507.9 RPD = 33
		Corrected Ave (4 peaks):			280.9	Corrected Ave (4 peaks):				425.3 RPD = 41*
Aroclor-1260	1	11.044	-0.018	80565	549.5	1	11.657	-0.013	74737	478.9
Aroclor-1260	2	11.360	-0.018	62096	409.5	2	11.917	-0.015	146170	373.2
Aroclor-1260	3	11.730	-0.022	175284	440.0	3	12.437	-0.015	53265	510.8
Aroclor-1260	4	12.129	-0.029	97200	479.1	4	12.501	-0.016	104543	400.5
Aroclor-1260	5	12.245	-0.017	40132	483.2	NS	---			----
		Total Col1Ave (5 peaks):			472.3	Total Col2Ave (4 peaks):				440.8 RPD = 7
		Corrected Ave (4 peaks):			452.9	Corrected Ave (3 peaks):				417.5 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 3429269 Col1 Total PCB = 0.6 ppm*

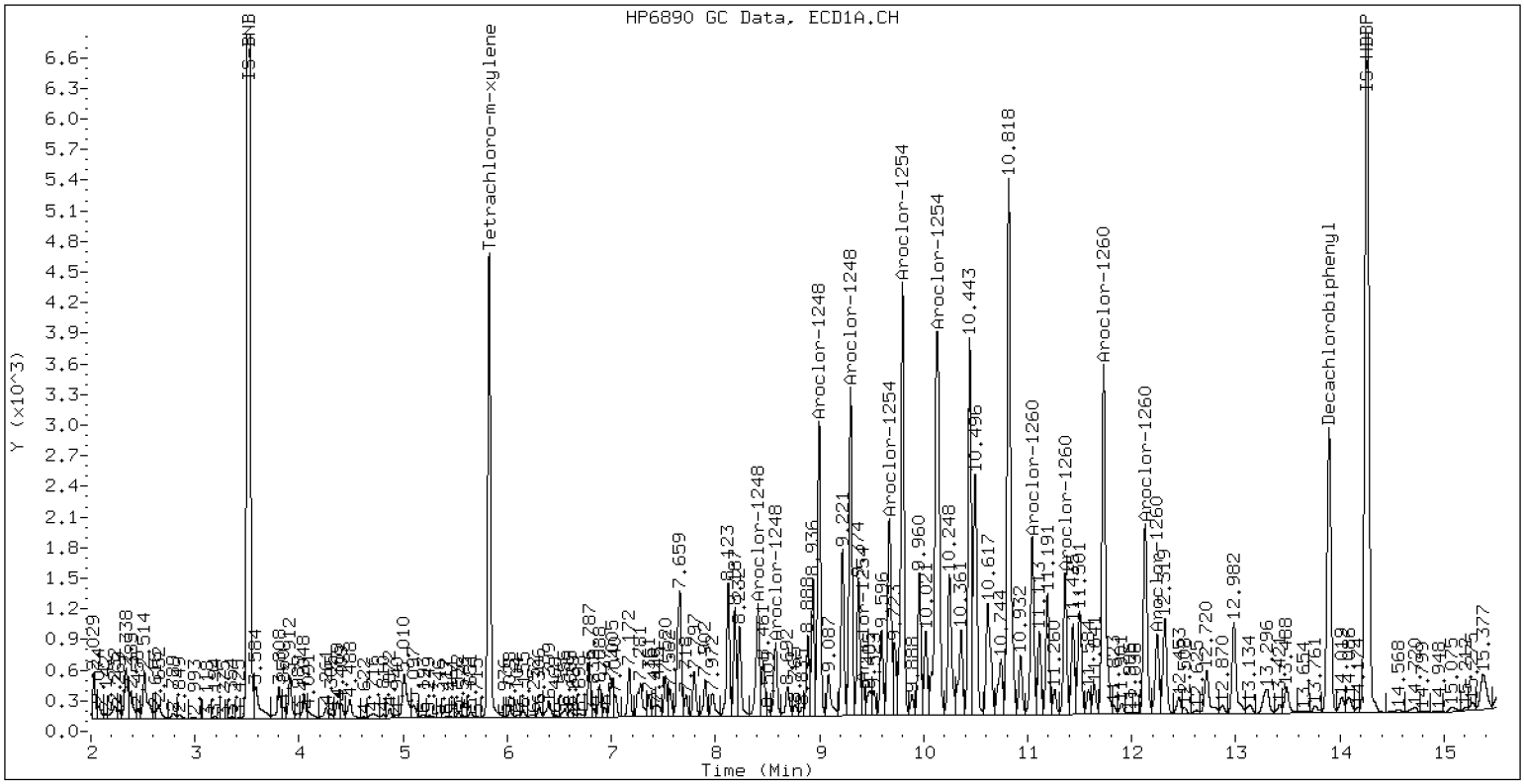
Total PCB Area Col2 (5.936 - 13.808) = 2455764 Col2 Total PCB = 1.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

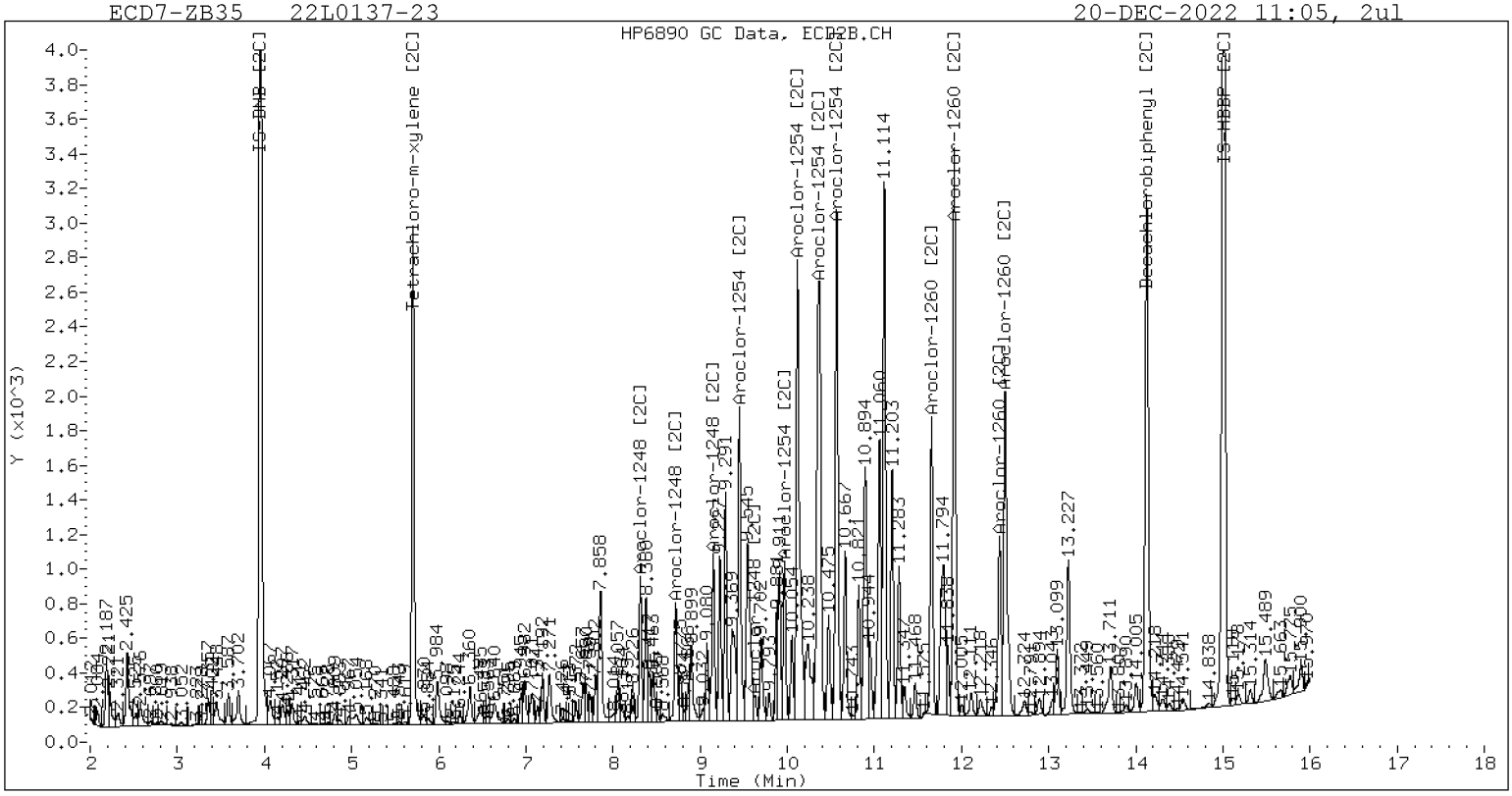
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-23 20-DEC-2022 11:05, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-23 20-DEC-2022 11:05, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-24 B	File ID:	12202204ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 13:49
% Solids:	54.47	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.97 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	45.6	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	53.5	1.6	4.0	P1
11096-82-5	Aroclor 1260	1	1	88.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9925*	*8.02*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9925*	*5.48*	*68.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202204ECD7.D
Data file 2: /221220.b/221220.b/12202204ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-24
Client ID:
Injection Date: 20-DEC-2022 13:49
Report Date: 12/22/2022 11:03
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.007	192322	5.707	-0.007	116075	27.4	30.3	10.1	Tetrachloro-m-xylene
13.898	-0.010	161950	14.128	-0.009	163153	40.1	36.6	9.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	495141	10.6
Hexabromobiphenyl	798898	440053	-44.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	279290	12.1
Hexabromobiphenyl	362541	313725	-13.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.409	-0.018	63455	298.1	1	8.316	-0.010	33946	297.5
Aroclor-1248	2	8.580	-0.024	35957	132.3	2	8.721	-0.011	29177	243.1
Aroclor-1248	3	8.998	-0.025	125255	256.2	3	9.153	-0.025	40746	279.1
Aroclor-1248	4	9.300	-0.011	137753	575.0	4	9.631	0.028	5897	34.4
		Total Col1Ave (4 peaks):			315.4	Total Col2Ave (4 peaks):				213.6 RPD = 39
		Corrected Ave (3 peaks):			228.8	Corrected Ave (3 peaks):				185.6 RPD = 21
Aroclor-1254	1	9.300	-0.021	137753	316.0	1	9.453	-0.014	79372	440.8
Aroclor-1254	2	9.420	0.018	9488	56.0	2	9.971	-0.016	33638	232.3
Aroclor-1254	3	9.671	-0.023	93189	338.4	3	10.119	-0.020	141169	453.6
Aroclor-1254	4	9.800	-0.031	193671	360.8	4	10.369	-0.021	165631	513.9
Aroclor-1254	5	10.133	-0.056	241609	656.7	5	10.568	-0.018	120202	773.3
		Total Col1Ave (5 peaks):			345.6	Total Col2Ave (5 peaks):				482.8 RPD = 33
		Corrected Ave (4 peaks):			267.8	Corrected Ave (4 peaks):				410.2 RPD = 42*
Aroclor-1260	1	11.046	-0.016	75736	472.8	1	11.657	-0.012	71111	429.4
Aroclor-1260	2	11.360	-0.017	61580	371.7	2	11.918	-0.014	148935	358.4
Aroclor-1260	3	11.731	-0.021	187397	430.5	3	12.438	-0.014	54029	488.3
Aroclor-1260	4	12.132	-0.026	100349	452.7	4	12.501	-0.015	105210	379.8
Aroclor-1260	5	12.247	-0.015	43850	483.2	NS	---			----
		Total Col1Ave (5 peaks):			442.2	Total Col2Ave (4 peaks):				414.0 RPD = 7
		Corrected Ave (4 peaks):			431.9	Corrected Ave (3 peaks):				389.2 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 3491299 Col1 Total PCB = 0.6 ppm*

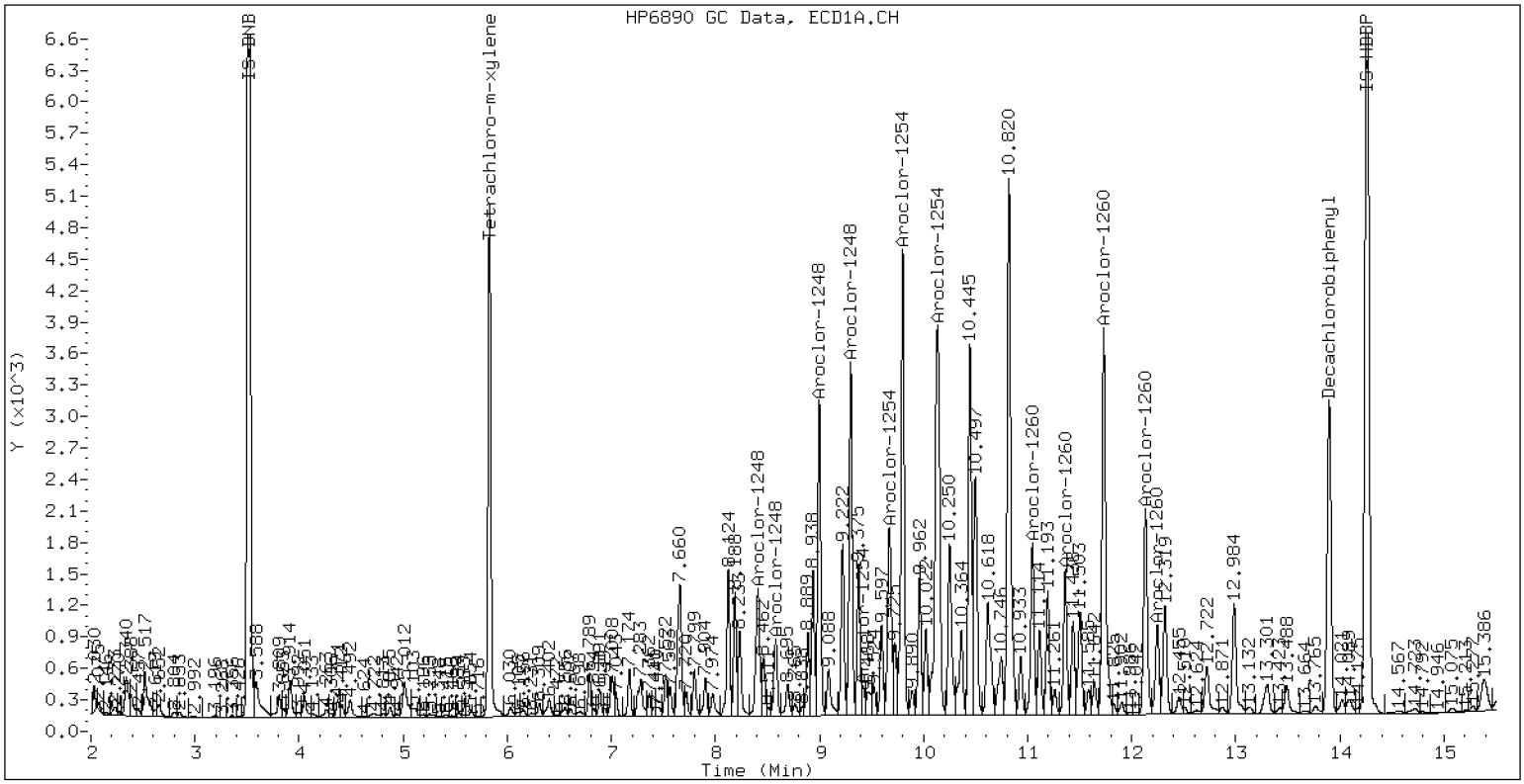
Total PCB Area Col2 (5.936 - 13.808) = 2381597 Col2 Total PCB = 1.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

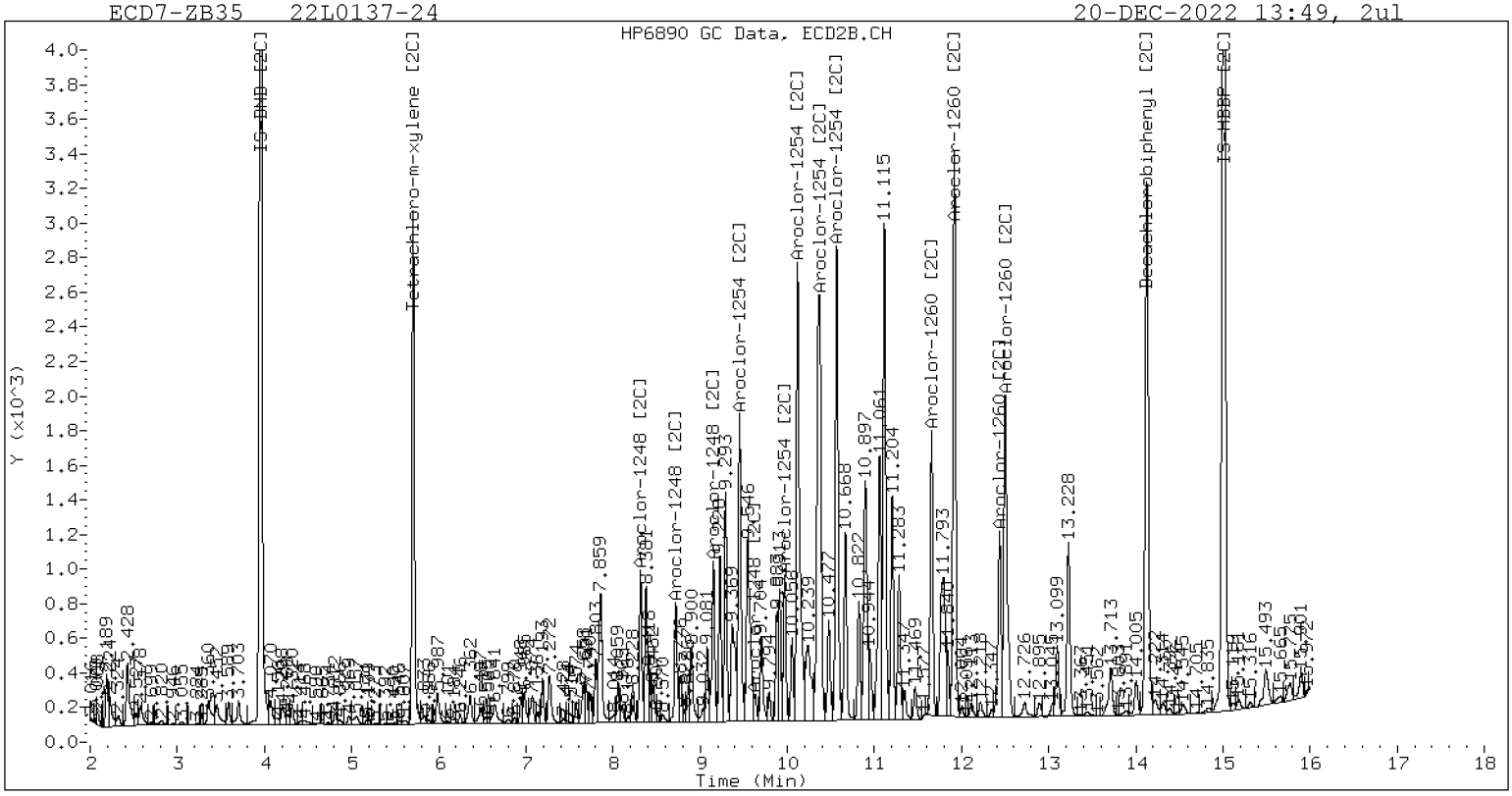
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-24 20-DEC-2022 13:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-24 20-DEC-2022 13:49, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-25 B	File ID:	12202205ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:10
% Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.52 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	139	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	147	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	116	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9759*	*8.44*	*106*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9759*	*5.04*	*63.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202205ECD7.D
Data file 2: /221220.b/221220.b/12202205ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-25
Client ID:
Injection Date: 20-DEC-2022 14:10
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	168901	5.707	-0.007	107750	25.3	29.5	15.6	Tetrachloro-m-xylene
13.897	-0.011	156854	14.127	-0.010	155428	42.3	37.1	13.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	471871	5.4
Hexabromobiphenyl	798898	404171	-49.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	266078	6.8
Hexabromobiphenyl	362541	294932	-18.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.015	154331	760.7	1	8.316	-0.010	116445	1071.3
Aroclor-1248	2	8.580	-0.024	148374	572.8	2	8.722	-0.011	111775	977.7
Aroclor-1248	3	8.996	-0.027	356054	764.1	3	9.152	-0.025	132069	949.7
Aroclor-1248	4	9.301	-0.010	290243	1271.3	4	9.632	0.029	13904	85.2
		Total Col1Ave (4 peaks):			842.2	Total Col2Ave (4 peaks):				771.0 RPD = 9
		Corrected Ave (3 peaks):			699.2	Corrected Ave (3 peaks):				670.9 RPD = 4
Aroclor-1254	1	9.301	-0.020	290243	698.6	1	9.453	-0.014	156488	912.2
Aroclor-1254	2	9.375	-0.026	139839	865.5	2	9.971	-0.016	64956	471.0
Aroclor-1254	3	9.670	-0.025	169272	645.1	3	10.119	-0.020	285999	964.7
Aroclor-1254	4	9.800	-0.031	380491	743.9	4	10.356	-0.033	311217	1013.6
Aroclor-1254	5	10.137	-0.052	407439	1162.0	5	10.568	-0.018	186518	1259.5
		Total Col1Ave (5 peaks):			823.0	Total Col2Ave (5 peaks):				924.2 RPD = 12
		Corrected Ave (4 peaks):			738.2	Corrected Ave (4 peaks):				840.4 RPD = 13
Aroclor-1260	1	11.045	-0.017	92240	627.0	1	11.658	-0.011	101656	653.0
Aroclor-1260	2	11.361	-0.016	78788	517.8	2	11.918	-0.015	182002	465.9
Aroclor-1260	3	11.731	-0.021	235930	590.1	3	12.437	-0.015	73635	707.8
Aroclor-1260	4	12.131	-0.028	119250	585.7	4	12.502	-0.015	125977	483.8
Aroclor-1260	5	12.246	-0.016	48671	584.0	NS	---			----
		Total Col1Ave (5 peaks):			580.9	Total Col2Ave (4 peaks):				577.6 RPD = 1
		Corrected Ave (4 peaks):			569.4	Corrected Ave (3 peaks):				534.2 RPD = 6
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 6822006 Col1 Total PCB = 1.3 ppm*

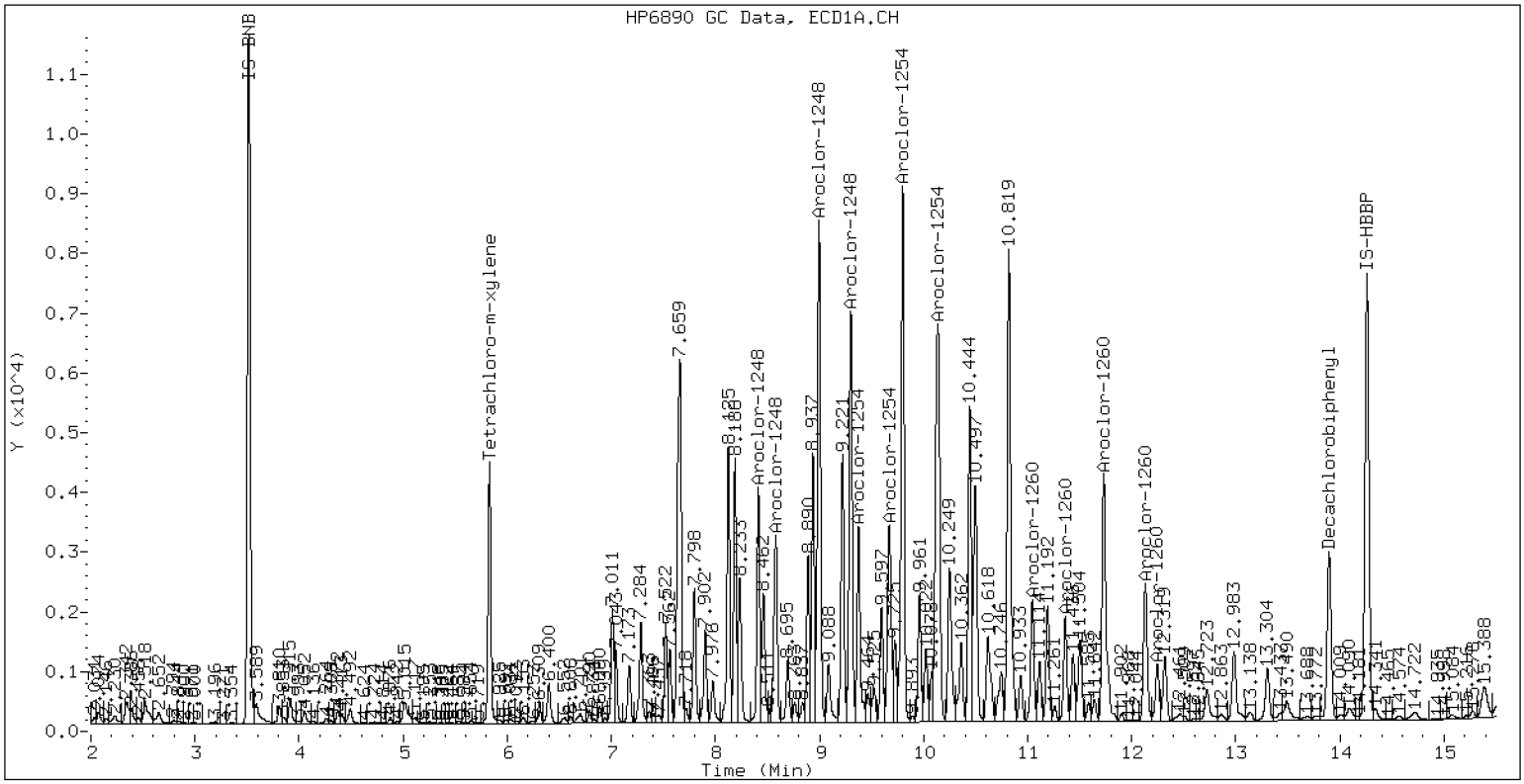
Total PCB Area Col2 (5.936 - 13.808) = 4712518 Col2 Total PCB = 2.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

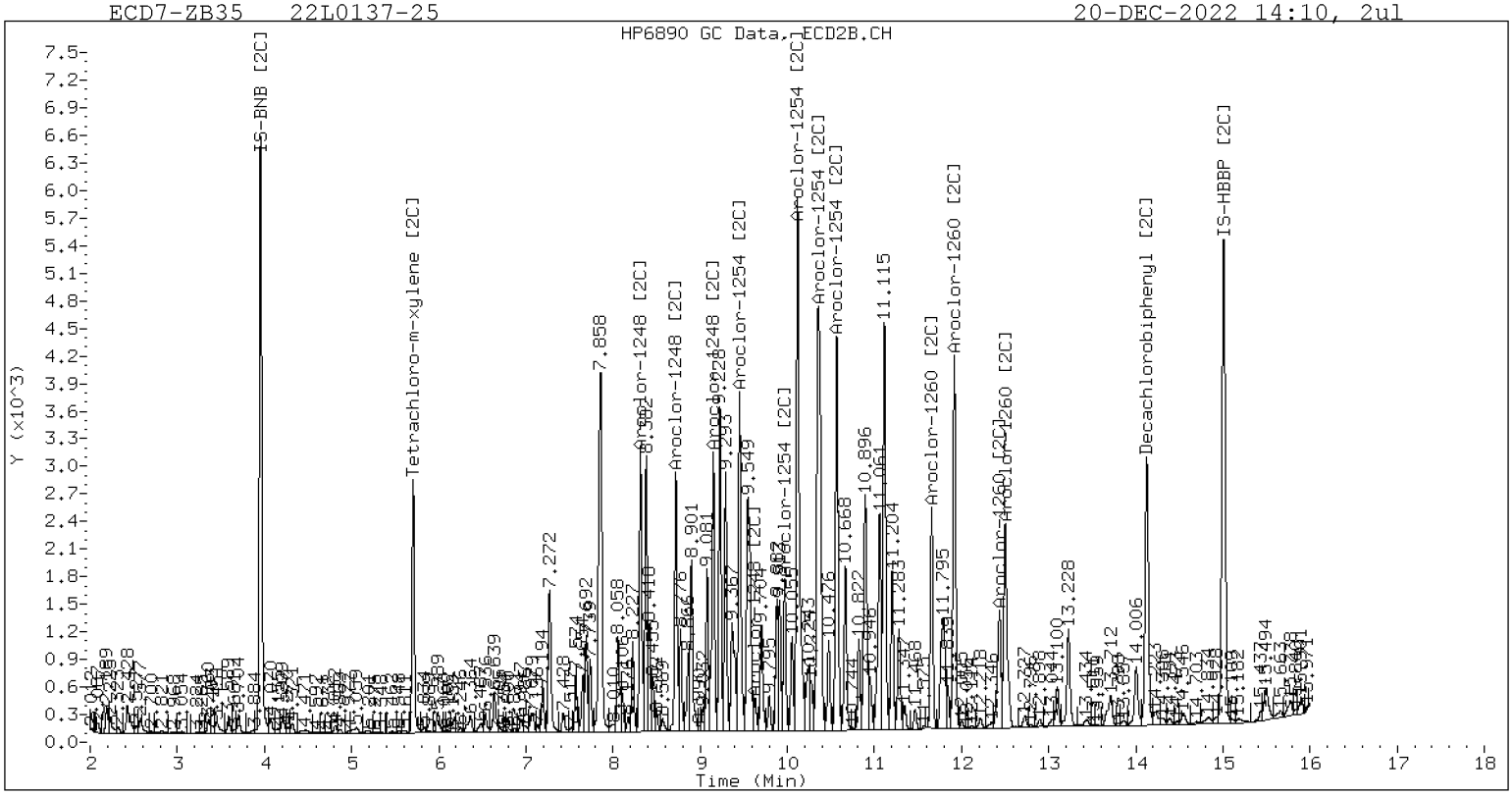
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-25 20-DEC-2022 14:10, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-25 20-DEC-2022 14:10, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-25RE1 B	File ID:	12222206ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 17:37
% Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.52 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	189	7.8	19.9	D
11097-69-1	Aroclor 1254	1	5	183	7.8	19.9	D
11096-82-5	Aroclor 1260	1	5	106	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9759*	*8.77*	*110*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9759*	*5.90*	*73.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222206ECD7.D
Data file 2: /221222.b/221222.b/12222206ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-25RE1
Client ID:
Injection Date: 22-DEC-2022 17:37
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	41543	5.707	-0.006	25625	5.9	6.6	10.5	Tetrachloro-m-xylene
13.898	-0.006	52339	14.128	-0.009	38327	8.8	7.1	21.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	495551	10.7
Hexabromobiphenyl	798898	648737	-18.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	284416	14.2
Hexabromobiphenyl	362541	380865	5.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.013	44363	208.2	1	8.317	-0.009	30863	265.6
Aroclor-1248	2	8.582	-0.022	43432	159.7	2	8.723	-0.010	27759	227.2
Aroclor-1248	3	9.000	-0.023	99238	202.8	3	9.156	-0.022	34447	231.7
Aroclor-1248	4	9.302	-0.009	84152	351.0	4	9.633	0.030	4181	24.0
		Total Col1Ave (4 peaks):			230.4		Total Col2Ave (4 peaks):			187.1 RPD = 21
		Corrected Ave (3 peaks):			190.2		Corrected Ave (3 peaks):			160.9 RPD = 17
Aroclor-1254	1	9.302	-0.019	84152	192.9	1	9.455	-0.012	40957	223.3
Aroclor-1254	2	9.378	-0.024	41766	246.1	2	9.973	-0.014	16837	114.2
Aroclor-1254	3	9.674	-0.020	47106	170.9	3	10.121	-0.018	73992	233.5
Aroclor-1254	4	9.803	-0.028	109324	203.5	4	10.365	-0.024	80825	246.3
Aroclor-1254	5	10.136	-0.053	62758	170.4	5	10.569	-0.017	48485	306.3
		Total Col1Ave (5 peaks):			196.8		Total Col2Ave (5 peaks):			224.7 RPD = 13
		Corrected Ave (4 peaks):			184.4		Corrected Ave (4 peaks):			204.3 RPD = 10
Aroclor-1260	1	11.047	-0.008	28311	119.9	1	11.659	-0.011	25891	128.8
Aroclor-1260	2	11.363	-0.010	23686	97.0	2	11.919	-0.014	45510	90.2
Aroclor-1260	3	11.733	-0.013	60238	93.9	3	12.415	-0.037	36059	268.4
Aroclor-1260	4	12.133	-0.015	36224	110.8	4	12.503	-0.014	32271	96.0
Aroclor-1260	5	12.248	-0.010	15038	112.4	NS	---			----
		Total Col1Ave (5 peaks):			106.8		Total Col2Ave (4 peaks):			145.8 RPD = 31
		Corrected Ave (4 peaks):			103.5		Corrected Ave (3 peaks):			105.0 RPD = 1
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2070824 Col1 Total PCB = 0.4 ppm*

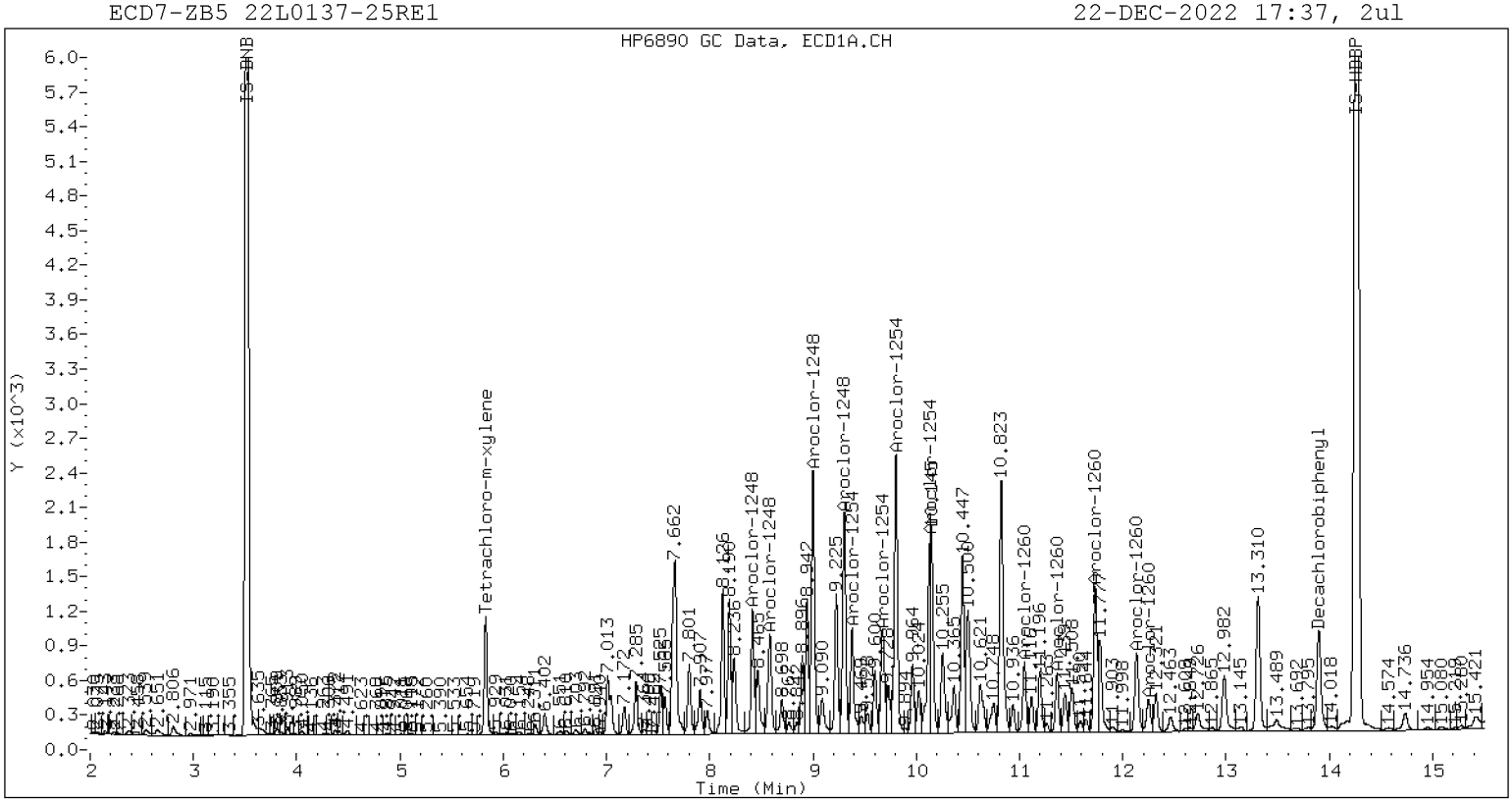
Total PCB Area Col2 (5.813 - 14.037) = 1254431 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

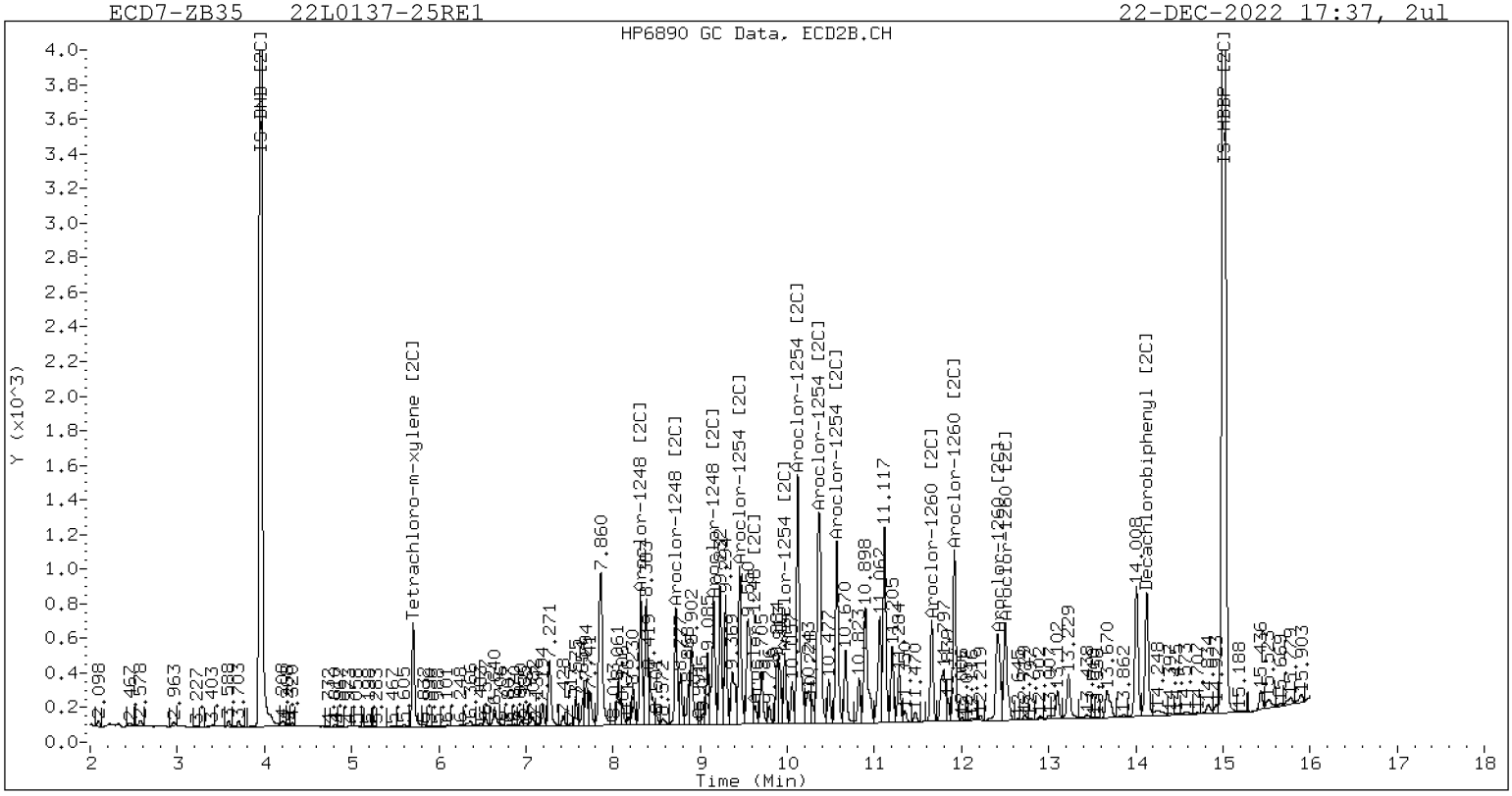
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-25RE1 22-DEC-2022 17:37, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-25RE1 22-DEC-2022 17:37, 2ul

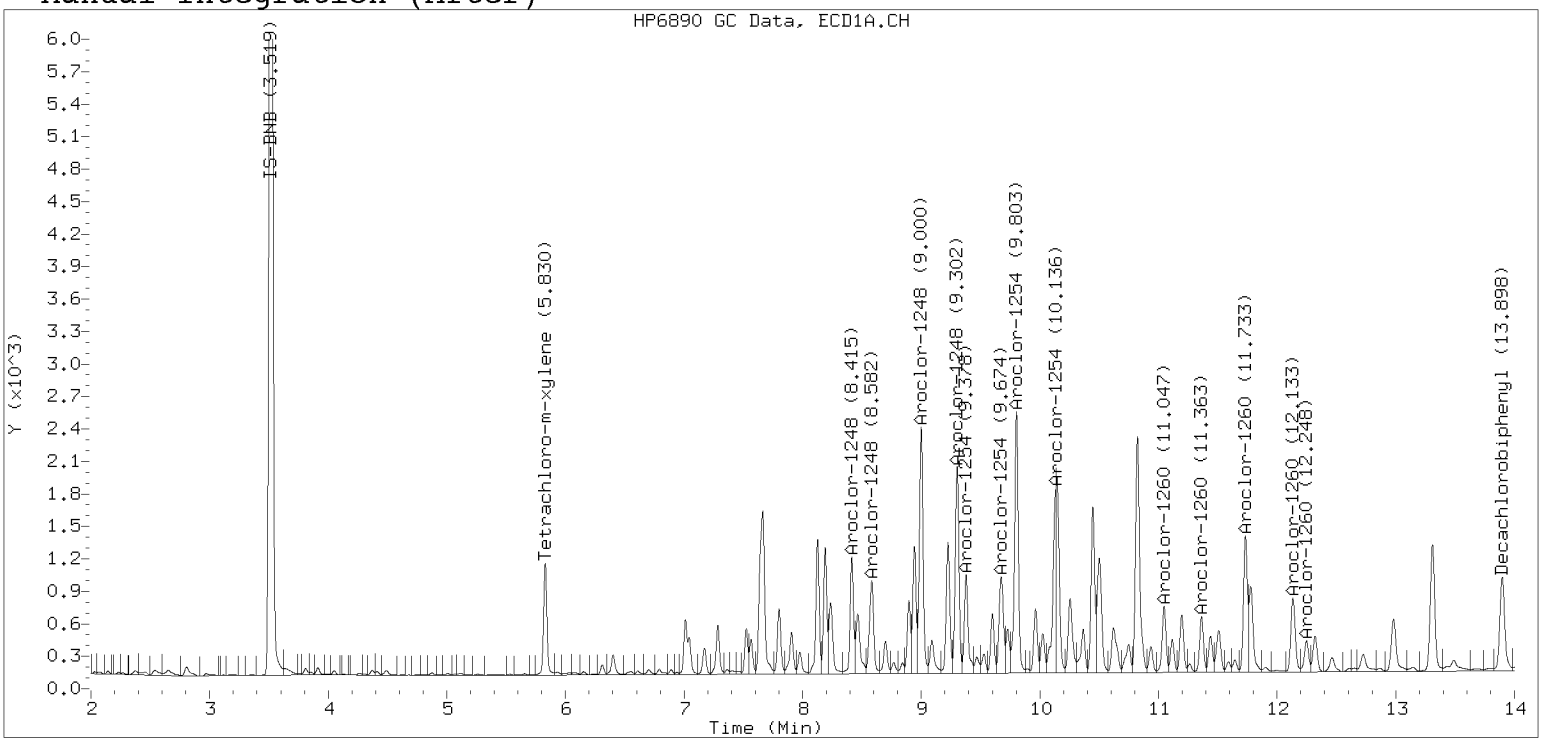


ZB-35 Manual Integration: NO

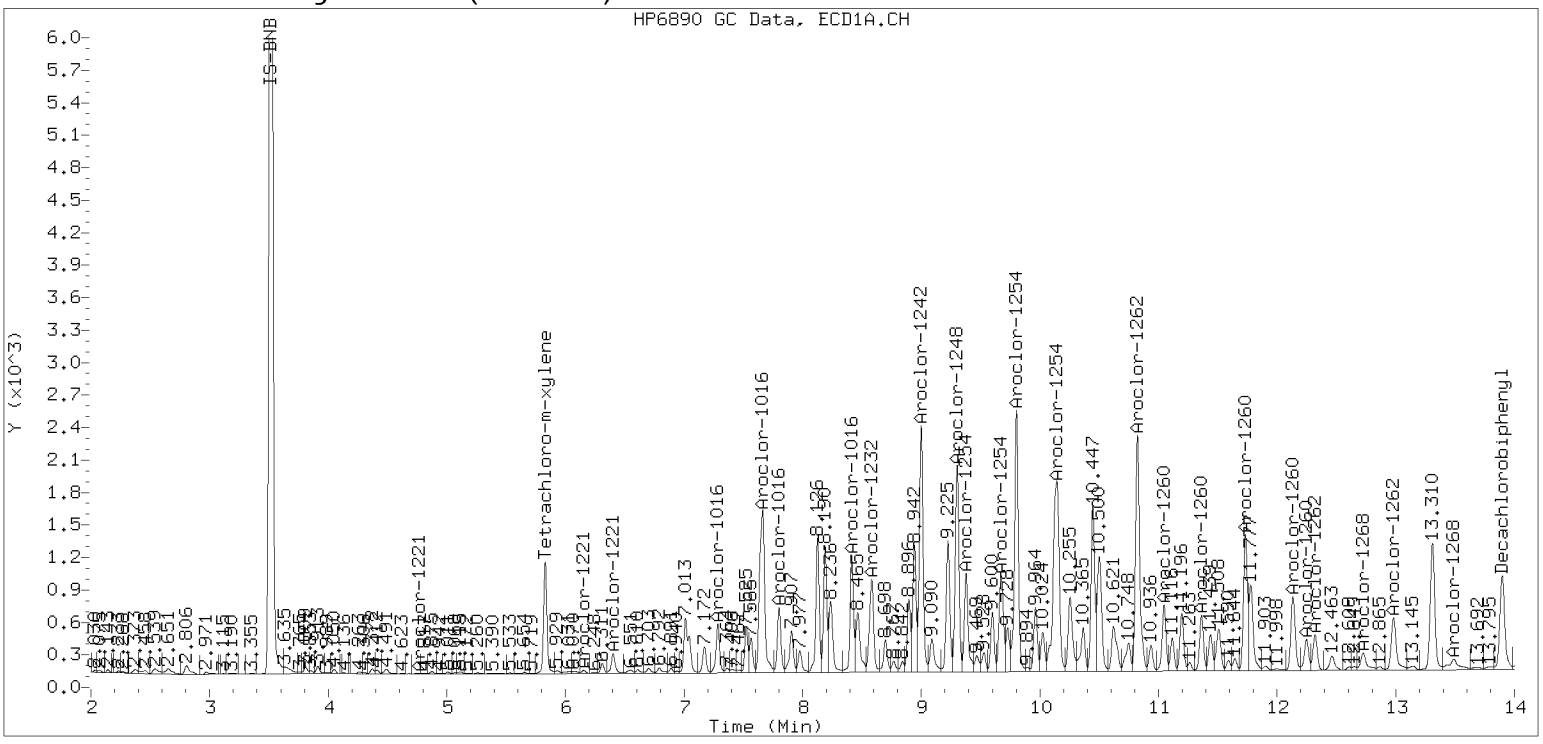
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222206ECD7.D Injection Date: 22-DEC-2022 17:37

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-26 B	File ID:	12202206ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:31
% Solids:	62.77	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.97 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	230	1.6	4.0	E
11097-69-1	Aroclor 1254	1	1	274	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	160	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9776*	*9.55*	*120*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9776*	*5.21*	*65.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202206ECD7.D
Data file 2: /221220.b/221220.b/12202206ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-26
Client ID:
Injection Date: 20-DEC-2022 14:31
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	175504	5.706	-0.008	109431	26.1	30.2	14.7	Tetrachloro-m-xylene
13.898	-0.010	176821	14.127	-0.010	190179	47.9	43.5	9.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	474439	6.0
Hexabromobiphenyl	798898	402699	-49.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	263935	6.0
Hexabromobiphenyl	362541	308058	-15.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.015	248633	1218.8	1	8.316	-0.010	191592	1776.9
Aroclor-1248	2	8.581	-0.024	226011	867.8	2	8.722	-0.011	181692	1602.2
Aroclor-1248	3	8.997	-0.026	646112	1379.0	3	9.153	-0.025	213259	1546.0
Aroclor-1248	4	9.301	-0.010	554358	2415.1	4	9.632	0.030	27606	170.5
		Total Col1Ave (4 peaks):			1470.2		Total Col2Ave (4 peaks):			1273.9 RPD = 14
		Corrected Ave (3 peaks):			1155.2		Corrected Ave (3 peaks):			1106.2 RPD = 4
Aroclor-1254	1	9.301	-0.020	554358	1327.1	1	9.453	-0.014	286233	1682.0
Aroclor-1254	2	9.375	-0.026	263332	1620.9	2	9.971	-0.016	111707	816.5
Aroclor-1254	3	9.670	-0.024	283070	1072.9	3	10.119	-0.020	538711	1831.9
Aroclor-1254	4	9.802	-0.029	760462	1478.7	4	10.356	-0.033	575173	1888.5
Aroclor-1254	5	10.139	-0.050	763780	2166.5	5	10.569	-0.018	313838	2136.5
		Total Col1Ave (5 peaks):			1533.2		Total Col2Ave (5 peaks):			1671.1 RPD = 9
		Corrected Ave (4 peaks):			1374.9		Corrected Ave (4 peaks):			1554.7 RPD = 12
Aroclor-1260	1	11.046	-0.016	142190	970.0	1	11.658	-0.012	164732	1013.1
Aroclor-1260	2	11.361	-0.017	109301	721.0	2	11.918	-0.014	256411	628.4
Aroclor-1260	3	11.731	-0.021	284770	714.9	3	12.438	-0.014	78849	725.7
Aroclor-1260	4	12.130	-0.028	175520	865.2	4	12.502	-0.015	181895	668.7
Aroclor-1260	5	12.247	-0.015	75372	907.6	NS	---			----
		Total Col1Ave (5 peaks):			835.7		Total Col2Ave (4 peaks):			759.0 RPD = 10
		Corrected Ave (4 peaks):			802.2		Corrected Ave (3 peaks):			674.3 RPD = 17
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 11330389 Col1 Total PCB = 2.1 ppm*

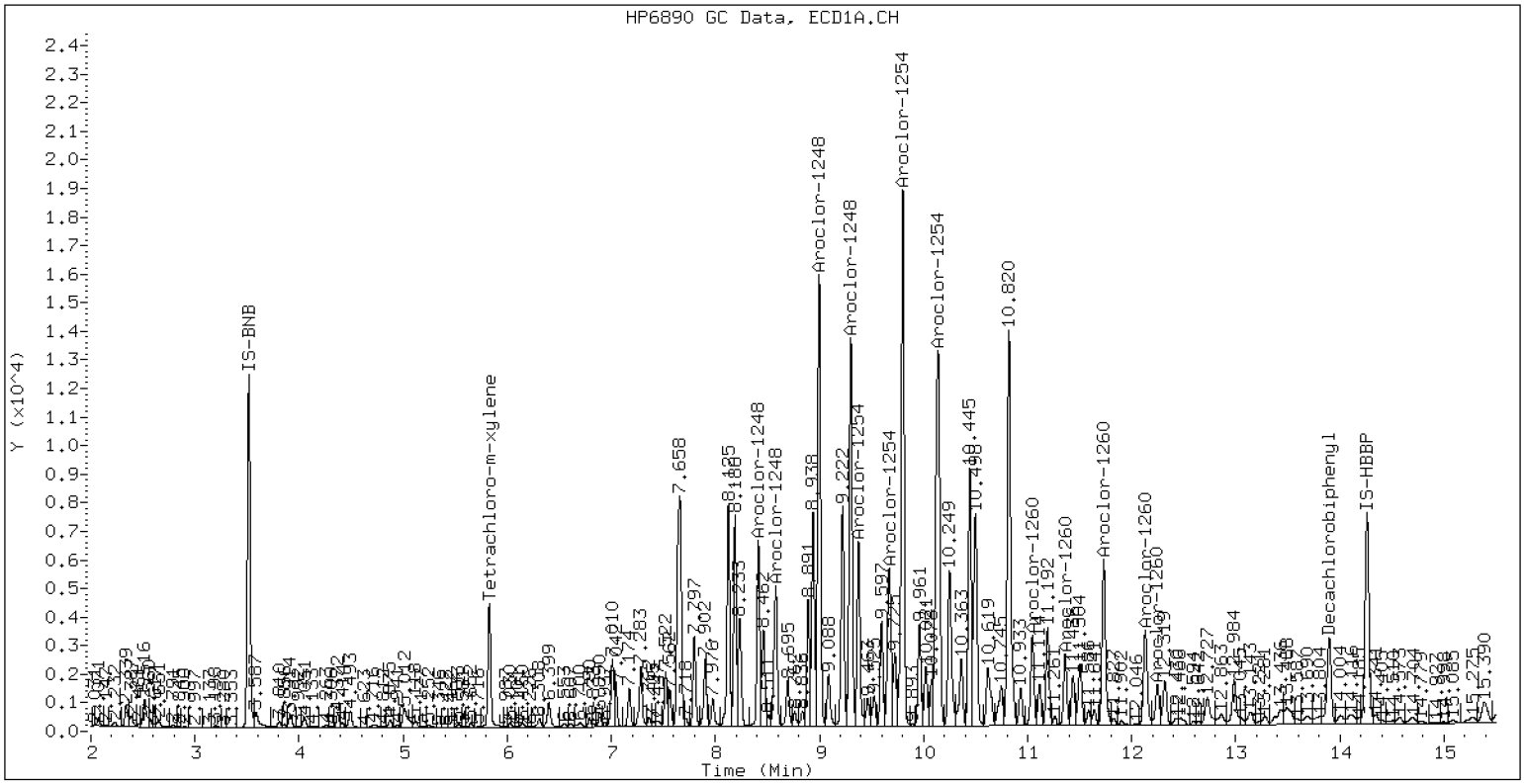
Total PCB Area Col2 (5.936 - 13.808) = 7722819 Col2 Total PCB = 4.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

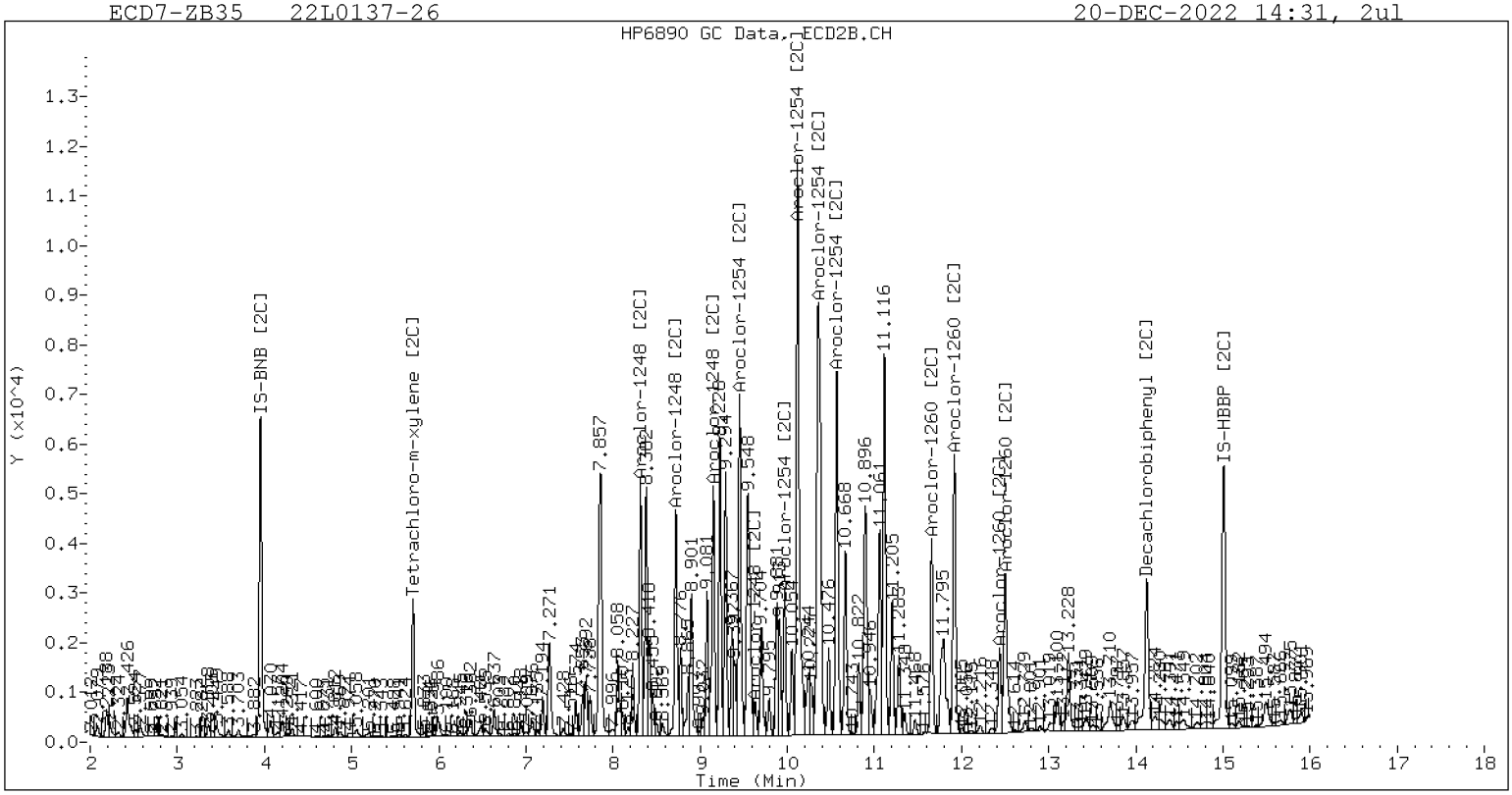
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-26 20-DEC-2022 14:31, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-26 20-DEC-2022 14:31, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-26RE1 B	File ID:	12222207ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 17:58
% Solids:	62.77	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.97 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	306	7.8	19.9	D
11097-69-1	Aroclor 1254	1	5	335	7.8	19.9	D
11096-82-5	Aroclor 1260	1	5	160	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9776*	*9.53*	*119*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9776*	*5.89*	*73.8*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222207ECD7.D
Data file 2: /221222.b/221222.b/12222207ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-26RE1
Client ID:
Injection Date: 22-DEC-2022 17:58
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	42442	5.707	-0.007	27124	5.9	6.9	16.2	Tetrachloro-m-xylene
13.898	-0.006	57602	14.127	-0.010	44768	9.6	8.0	17.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	507070	13.3
Hexabromobiphenyl	798898	657715	-17.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	284862	14.4
Hexabromobiphenyl	362541	391816	8.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.415	-0.013	71299	327.0	1	8.317	-0.010	50480	433.8
Aroclor-1248	2	8.583	-0.022	66079	237.4	2	8.722	-0.010	45724	373.6
Aroclor-1248	3	9.000	-0.023	178668	356.8	3	9.155	-0.022	56231	377.7
Aroclor-1248	4	9.302	-0.009	157396	641.6	4	9.633	0.031	8488	48.6
	Total Col1Ave (4 peaks):				390.7	Total Col2Ave (4 peaks):				308.4 RPD = 24
	Corrected Ave (3 peaks):				307.1	Corrected Ave (3 peaks):				266.6 RPD = 14
Aroclor-1254	1	9.302	-0.019	157396	352.5	1	9.454	-0.013	75459	410.9
Aroclor-1254	2	9.378	-0.024	79439	457.5	2	9.972	-0.015	29483	199.7
Aroclor-1254	3	9.672	-0.022	81215	288.0	3	10.120	-0.019	137607	433.5
Aroclor-1254	4	9.803	-0.028	213600	388.6	4	10.363	-0.026	149575	455.0
Aroclor-1254	5	10.137	-0.053	119433	317.0	5	10.569	-0.018	82528	520.6
	Total Col1Ave (5 peaks):				360.7	Total Col2Ave (5 peaks):				403.9 RPD = 11
	Corrected Ave (4 peaks):				336.5	Corrected Ave (4 peaks):				374.8 RPD = 11
Aroclor-1260	1	11.046	-0.009	44785	187.1	1	11.658	-0.011	42885	207.4
Aroclor-1260	2	11.363	-0.011	33902	136.9	2	11.919	-0.014	65945	127.1
Aroclor-1260	3	11.732	-0.015	89910	138.2	3	12.439	-0.013	21595	156.3
Aroclor-1260	4	12.133	-0.015	54170	163.5	4	12.502	-0.015	47104	136.2
Aroclor-1260	5	12.248	-0.010	23643	174.3	NS	---			----
	Total Col1Ave (5 peaks):				160.0	Total Col2Ave (4 peaks):				156.7 RPD = 2
	Corrected Ave (4 peaks):				153.2	Corrected Ave (3 peaks):				139.8 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 3319060 Col1 Total PCB = 0.7 ppm*

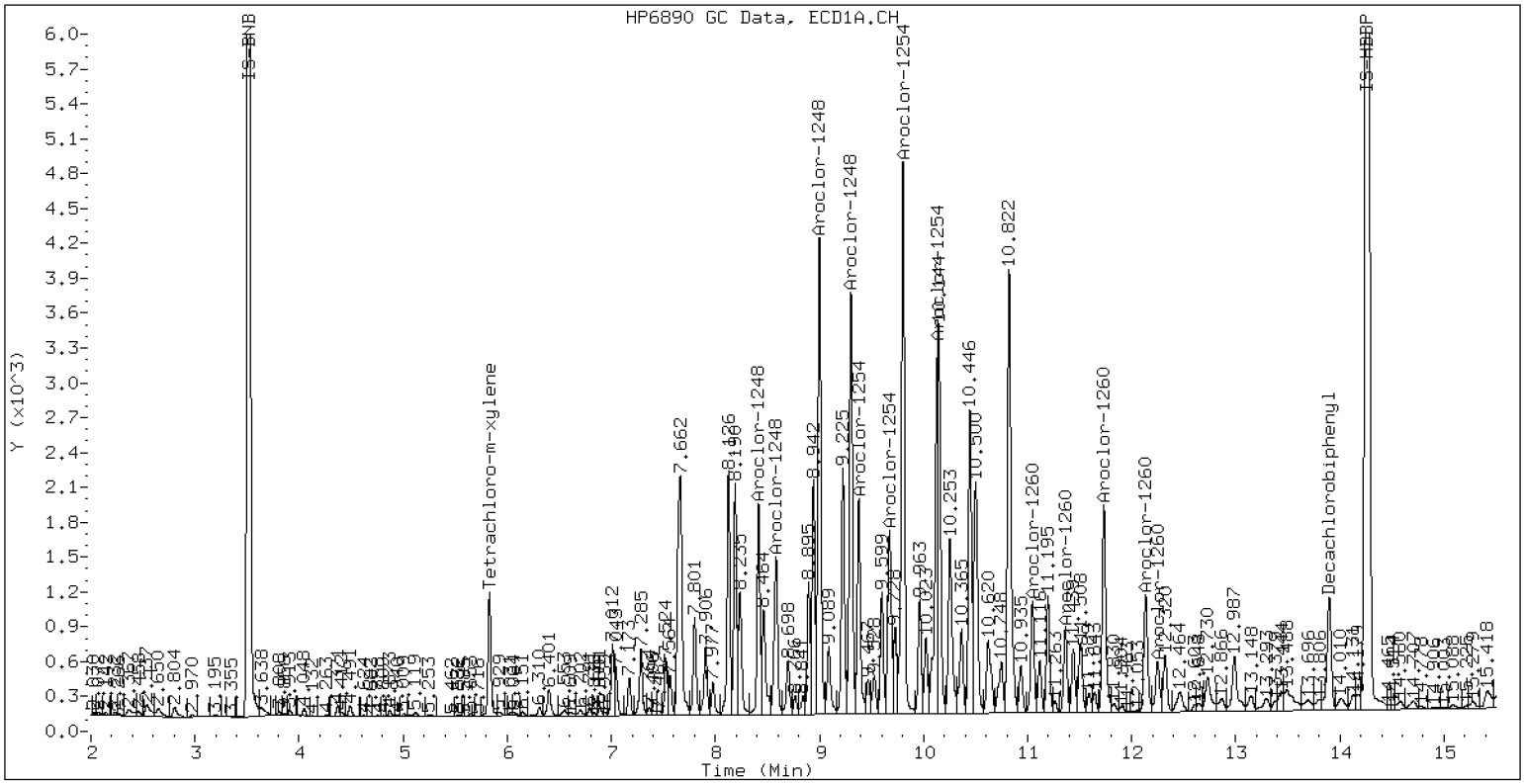
Total PCB Area Col2 (5.813 - 14.037) = 2041572 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

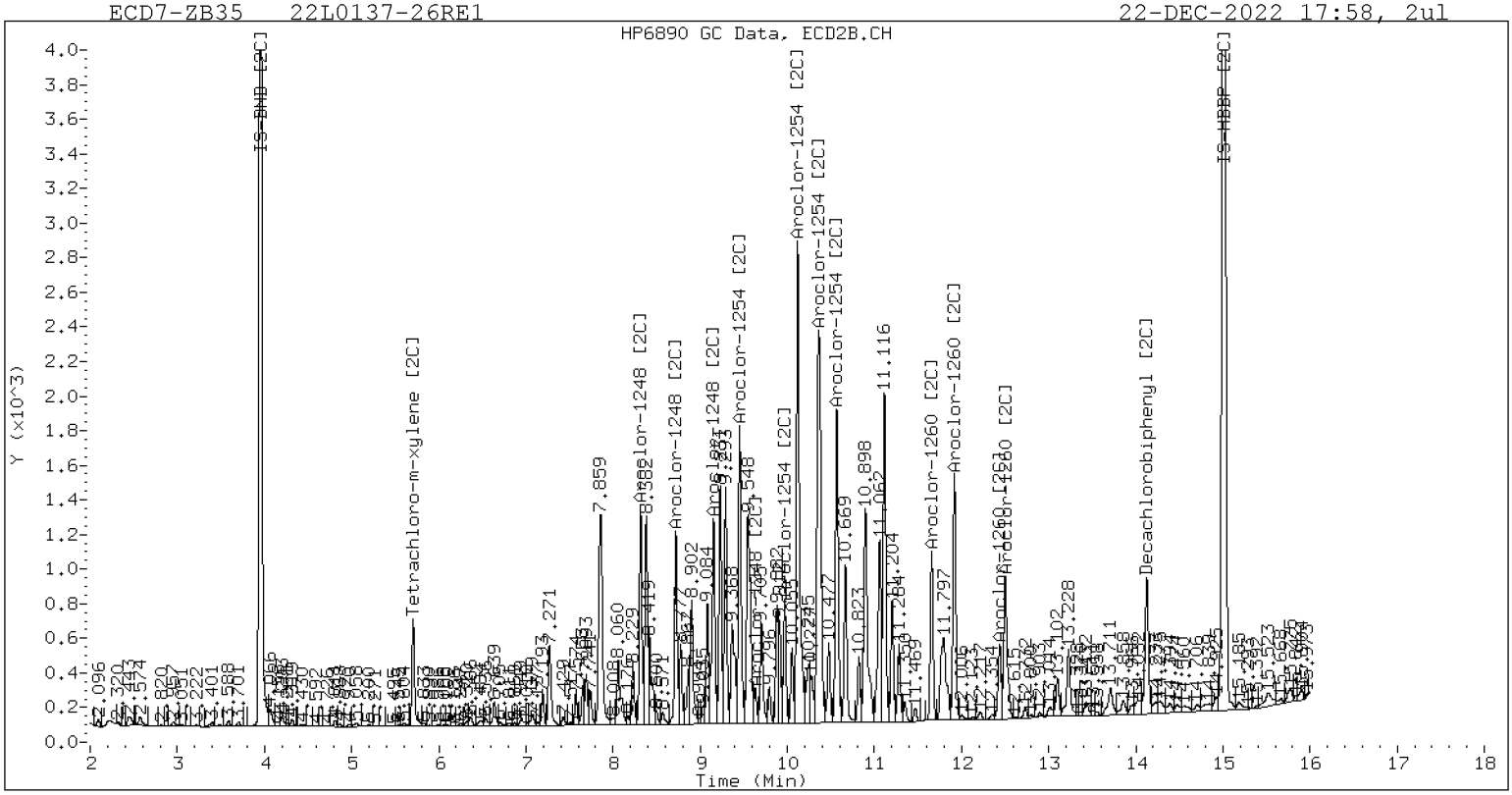
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-26RE1 22-DEC-2022 17:58, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-26RE1 22-DEC-2022 17:58, 2ul

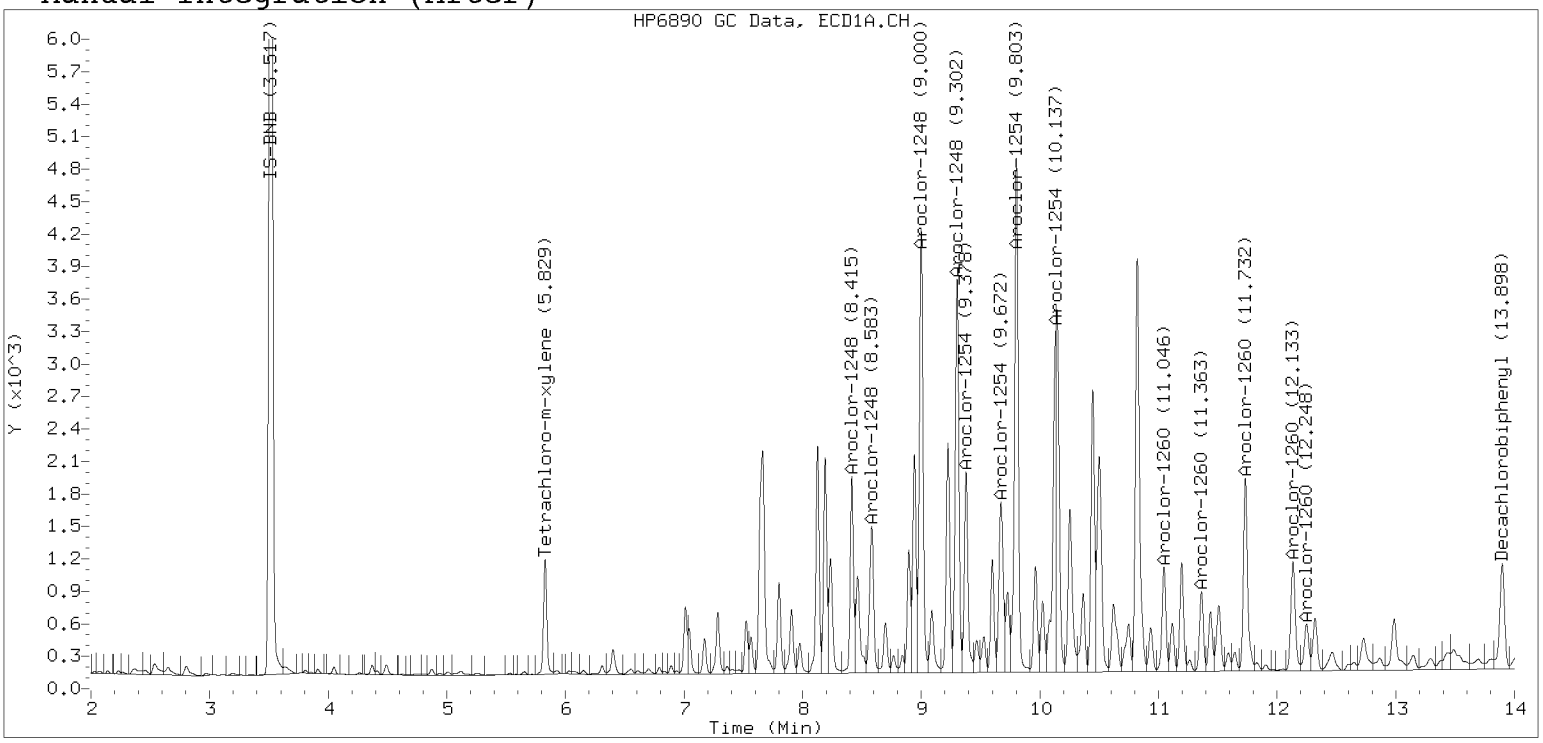


ZB-35 Manual Integration: NO

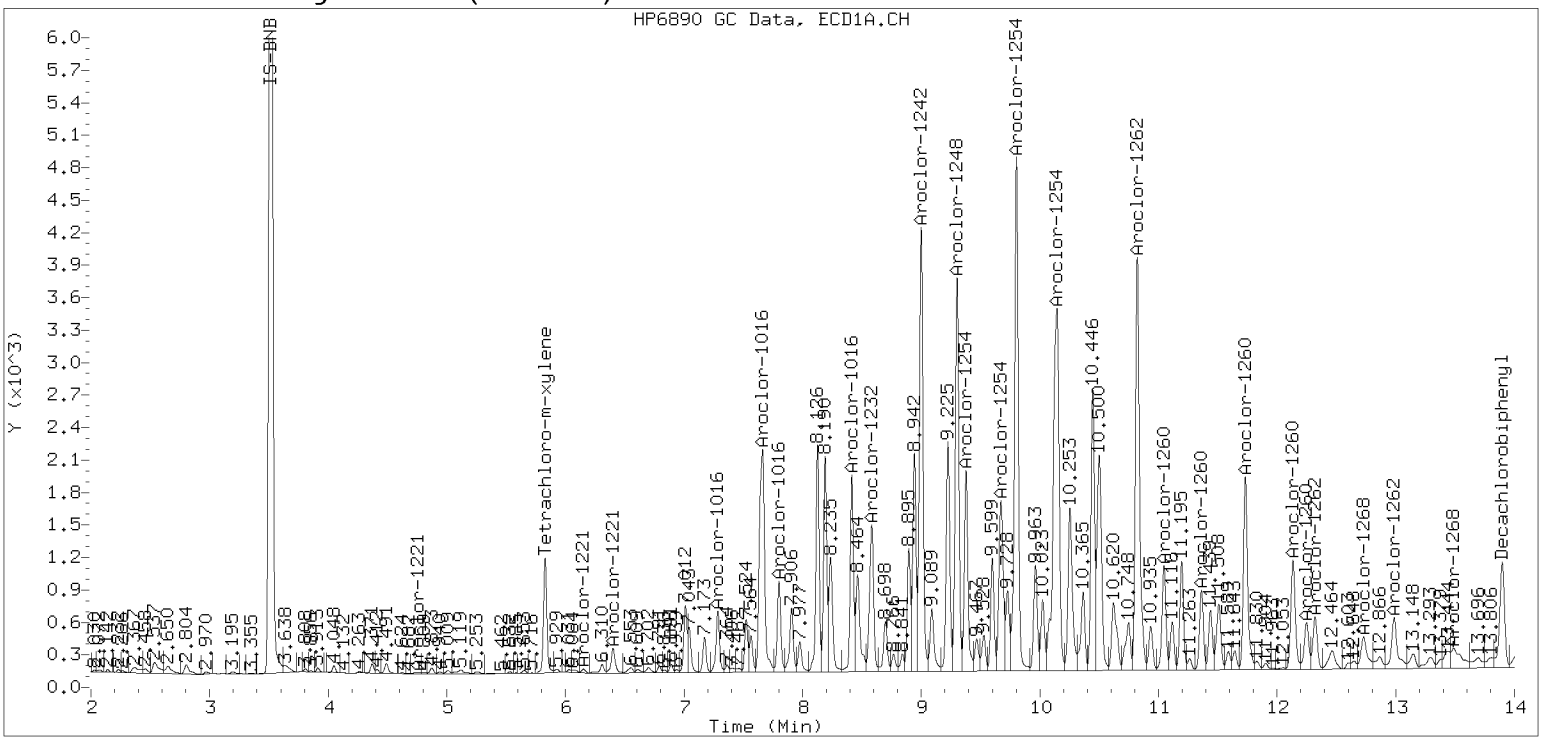
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222207ECD7.D Injection Date: 22-DEC-2022 17:58

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-27 B	File ID:	12202207ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:53
% Solids:	64.74	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.33 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	117	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	202	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	86.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9909*	*9.08*	*114*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9909*	*6.25*	*78.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202207ECD7.D
Data file 2: /221220.b/221220.b/12202207ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-27
Client ID:
Injection Date: 20-DEC-2022 14:53
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	188521	5.707	-0.006	117992	31.3	34.1	8.7	Tetrachloro-m-xylene
13.897	-0.011	172148	14.126	-0.011	174727	45.4	42.2	7.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	425160	-5.0
Hexabromobiphenyl	798898	413245	-48.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	252082	1.2
Hexabromobiphenyl	362541	291939	-19.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.015	115309	630.8	1	8.316	-0.010	111701	1084.7
Aroclor-1248	2	8.580	-0.024	75046	321.5	2	8.721	-0.012	81078	748.6
Aroclor-1248	3	8.998	-0.024	338350	805.8	3	9.153	-0.025	87312	662.7
Aroclor-1248	4	9.301	-0.010	354314	1722.5	4	9.632	0.030	22254	143.9
		Total Col1Ave (4 peaks):			870.2		Total Col2Ave (4 peaks):			660.0 RPD = 27
		Corrected Ave (3 peaks):			586.1		Corrected Ave (3 peaks):			518.4 RPD = 12
Aroclor-1254	1	9.301	-0.020	354314	946.5	1	9.453	-0.013	183147	1126.9
Aroclor-1254	2	9.376	-0.026	177345	1218.2	2	9.971	-0.016	63026	482.3
Aroclor-1254	3	9.671	-0.023	182874	773.5	3	10.119	-0.021	354549	1262.3
Aroclor-1254	4	9.801	-0.030	513389	1114.0	4	10.358	-0.031	371511	1277.2
Aroclor-1254	5	10.138	-0.052	504575	1597.2	5	10.567	-0.019	198805	1417.0
		Total Col1Ave (5 peaks):			1129.9		Total Col2Ave (5 peaks):			1113.1 RPD = 1
		Corrected Ave (4 peaks):			1013.0		Corrected Ave (4 peaks):			1037.2 RPD = 2
Aroclor-1260	1	11.045	-0.017	92375	614.1	1	11.657	-0.012	98515	639.3
Aroclor-1260	2	11.361	-0.016	68471	440.1	2	11.918	-0.015	133093	344.2
Aroclor-1260	3	11.730	-0.021	155279	379.9	3	12.437	-0.014	43143	419.0
Aroclor-1260	4	12.131	-0.027	90279	433.7	4	12.500	-0.017	94728	367.5
Aroclor-1260	5	12.245	-0.017	41598	488.1	NS	---			----
		Total Col1Ave (5 peaks):			471.2		Total Col2Ave (4 peaks):			442.5 RPD = 6
		Corrected Ave (4 peaks):			435.4		Corrected Ave (3 peaks):			376.9 RPD = 14
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 6417092 Col1 Total PCB = 1.3 ppm*

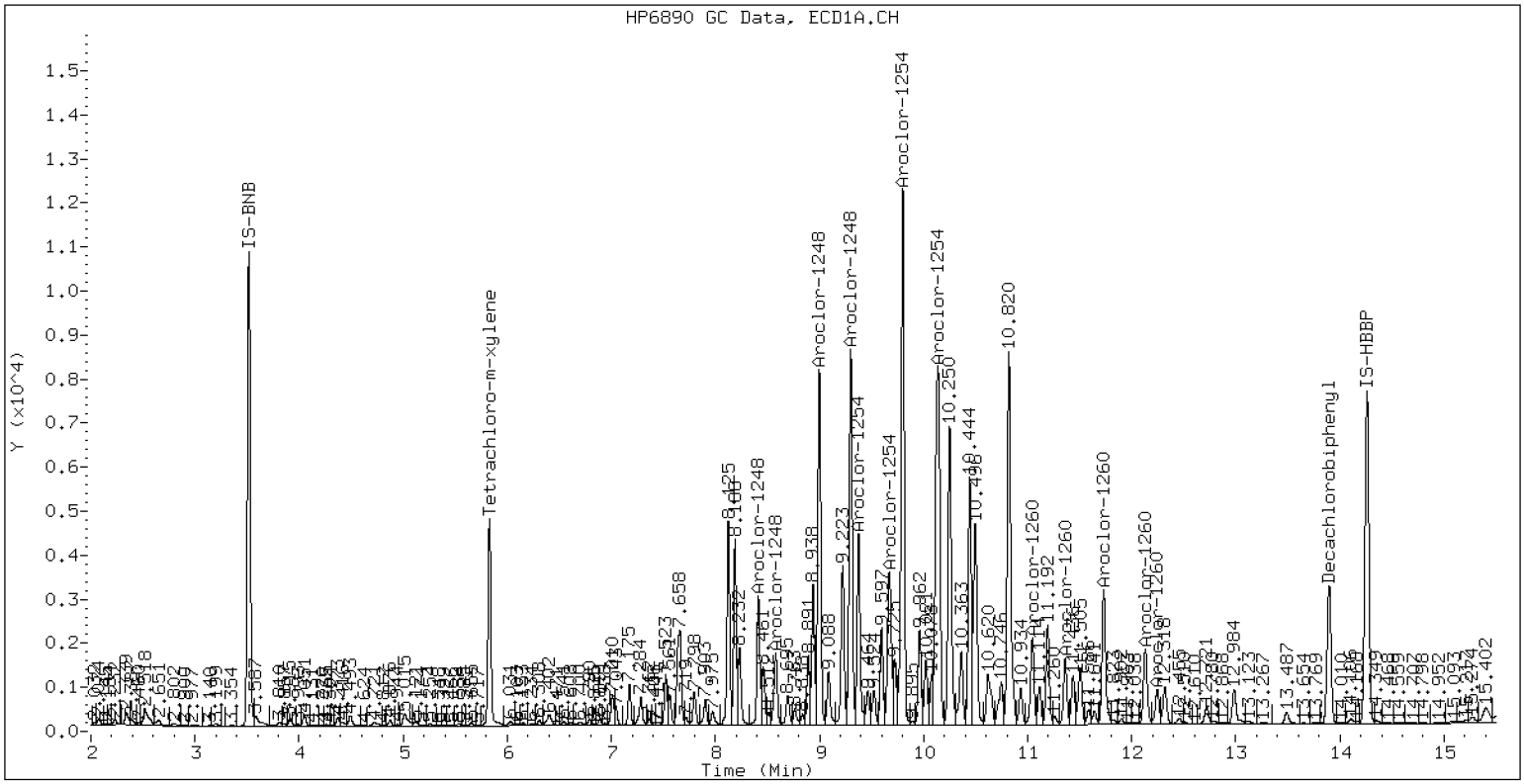
Total PCB Area Col2 (5.936 - 13.808) = 4345302 Col2 Total PCB = 2.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

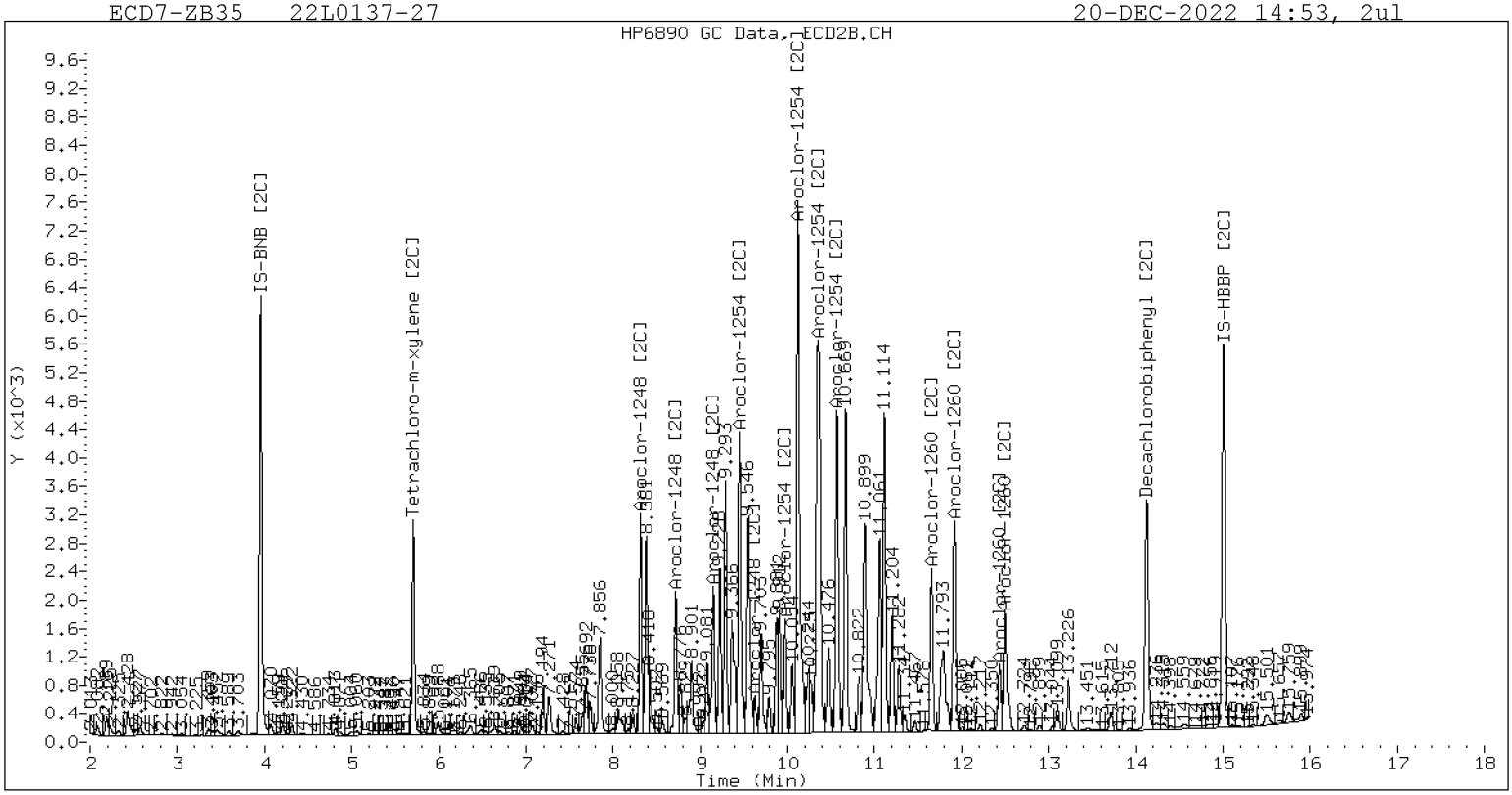
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-27 20-DEC-2022 14:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-27 20-DEC-2022 14:53, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-27RE1 B	File ID:	12222208ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 18:19
% Solids:	64.74	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.33 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	157	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	256	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	95.1	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9909*	*9.37*	*117*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9909*	*6.92*	*86.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222208ECD7.D
Data file 2: /221222.b/221222.b/12222208ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-27RE1
Client ID:
Injection Date: 22-DEC-2022 18:19
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	48125	5.709	-0.004	29411	6.9	7.7	10.5	Tetrachloro-m-xylene
13.898	-0.006	59820	14.127	-0.010	46033	9.4	8.0	15.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	490416	9.6
Hexabromobiphenyl	798898	695780	-12.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	278908	12.0
Hexabromobiphenyl	362541	403281	11.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	35602	168.8	1	8.318	-0.008	31166	273.5
Aroclor-1248	2	8.585	-0.020	24185	89.8	2	8.723	-0.010	22273	185.9
Aroclor-1248	3	9.002	-0.020	103446	213.6	3	9.157	-0.021	25092	172.1
Aroclor-1248	4	9.303	-0.008	108039	455.3	4	9.634	0.032	6865	40.1
		Total Col1Ave (4 peaks):			231.9		Total Col2Ave (4 peaks):			167.9 RPD = 32
		Corrected Ave (3 peaks):			157.4		Corrected Ave (3 peaks):			132.7 RPD = 17
Aroclor-1254	1	9.303	-0.018	108039	250.2	1	9.455	-0.012	51832	288.2
Aroclor-1254	2	9.379	-0.023	56967	339.2	2	9.973	-0.014	17808	123.2
Aroclor-1254	3	9.675	-0.019	54901	201.3	3	10.121	-0.018	97609	314.1
Aroclor-1254	4	9.804	-0.027	160255	301.5	4	10.367	-0.022	104563	324.9
Aroclor-1254	5	10.141	-0.048	98891	271.4	5	10.570	-0.016	56405	363.4
		Total Col1Ave (5 peaks):			272.7		Total Col2Ave (5 peaks):			282.8 RPD = 4
		Corrected Ave (4 peaks):			256.1		Corrected Ave (4 peaks):			262.6 RPD = 3
Aroclor-1260	1	11.048	-0.008	31437	124.1	1	11.659	-0.010	28157	132.3
Aroclor-1260	2	11.363	-0.010	23291	88.9	2	11.920	-0.013	37309	69.8
Aroclor-1260	3	11.733	-0.013	50314	73.1	3	12.434	-0.017	21362	150.2
Aroclor-1260	4	12.134	-0.015	31157	88.9	4	12.503	-0.014	27018	75.9
Aroclor-1260	5	12.247	-0.011	14465	100.8	NS	---			----
		Total Col1Ave (5 peaks):			95.2		Total Col2Ave (4 peaks):			107.0 RPD = 12
		Corrected Ave (4 peaks):			87.9		Corrected Ave (3 peaks):			92.7 RPD = 5
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2071716 Col1 Total PCB = 0.4 ppm*

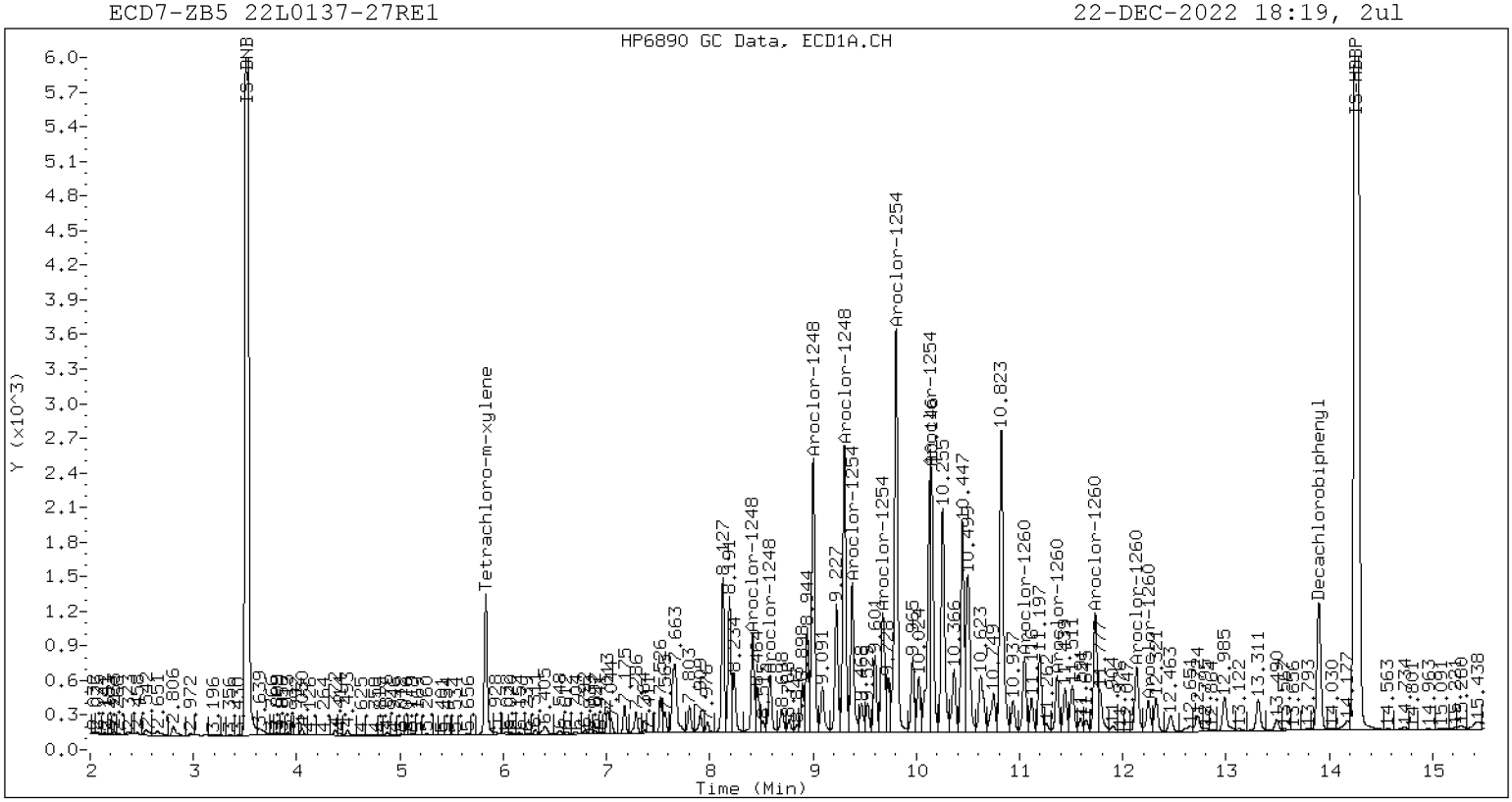
Total PCB Area Col2 (5.813 - 14.037) = 1244689 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

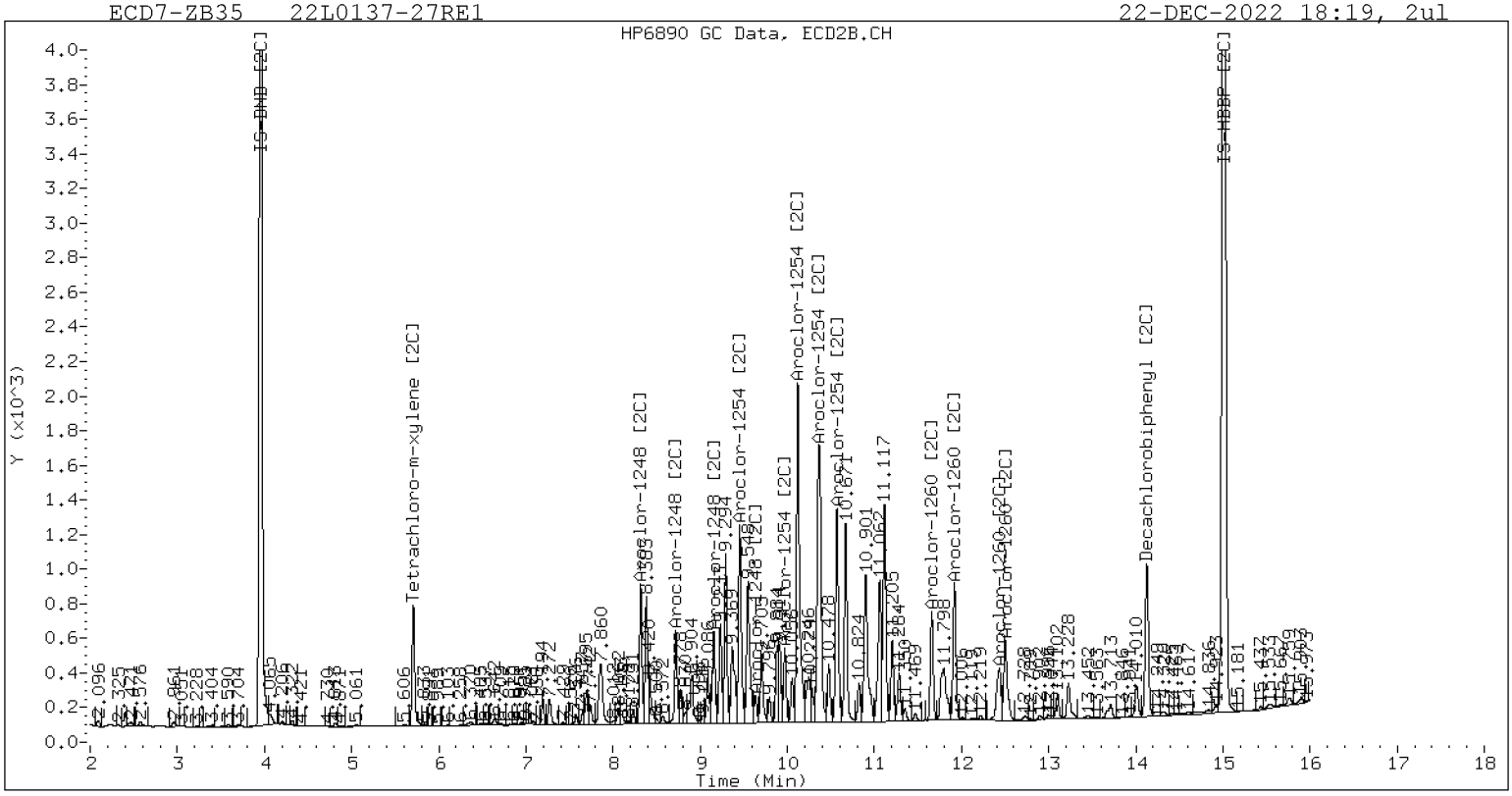
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-27RE1 22-DEC-2022 18:19, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-27RE1 22-DEC-2022 18:19, 2ul

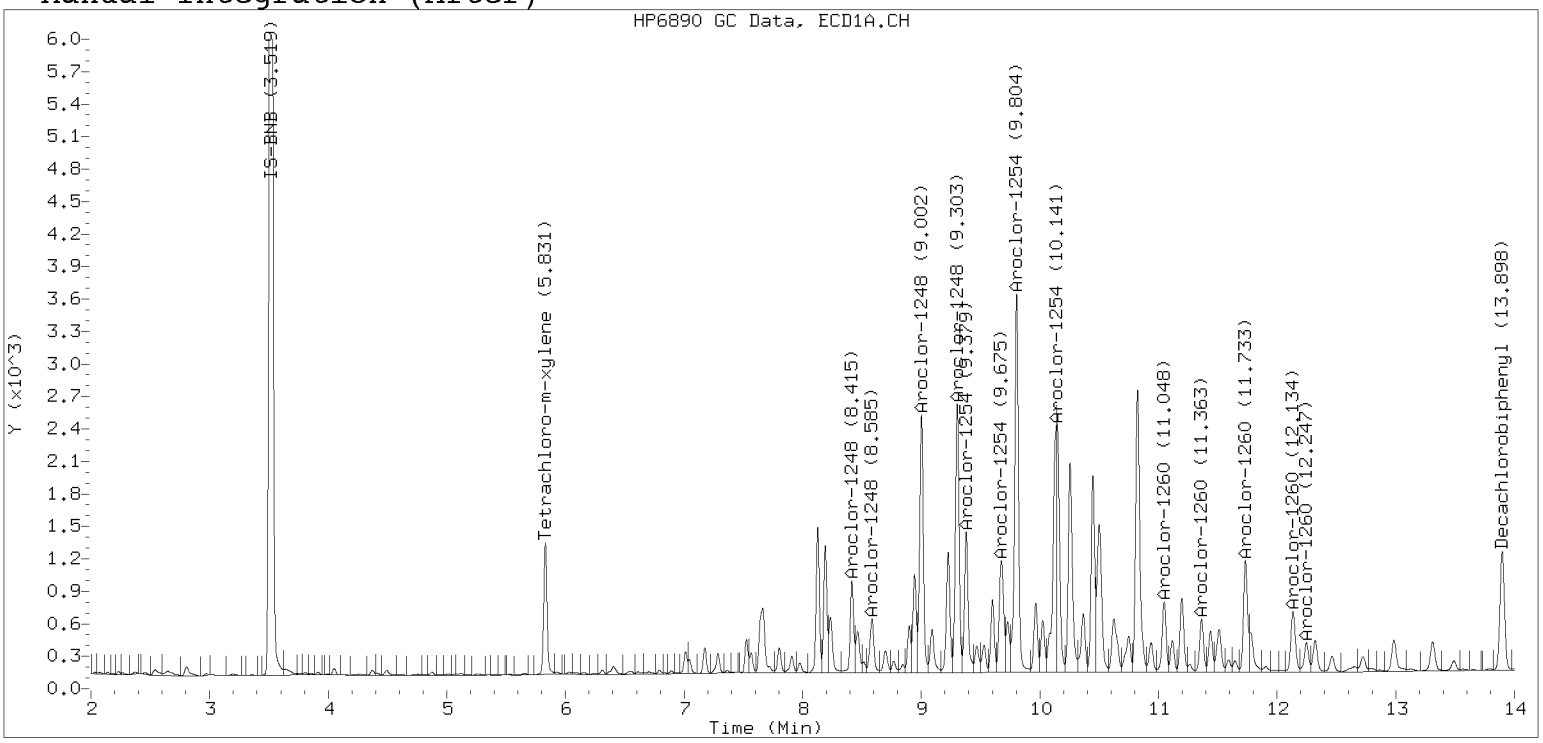


ZB-35 Manual Integration: NO

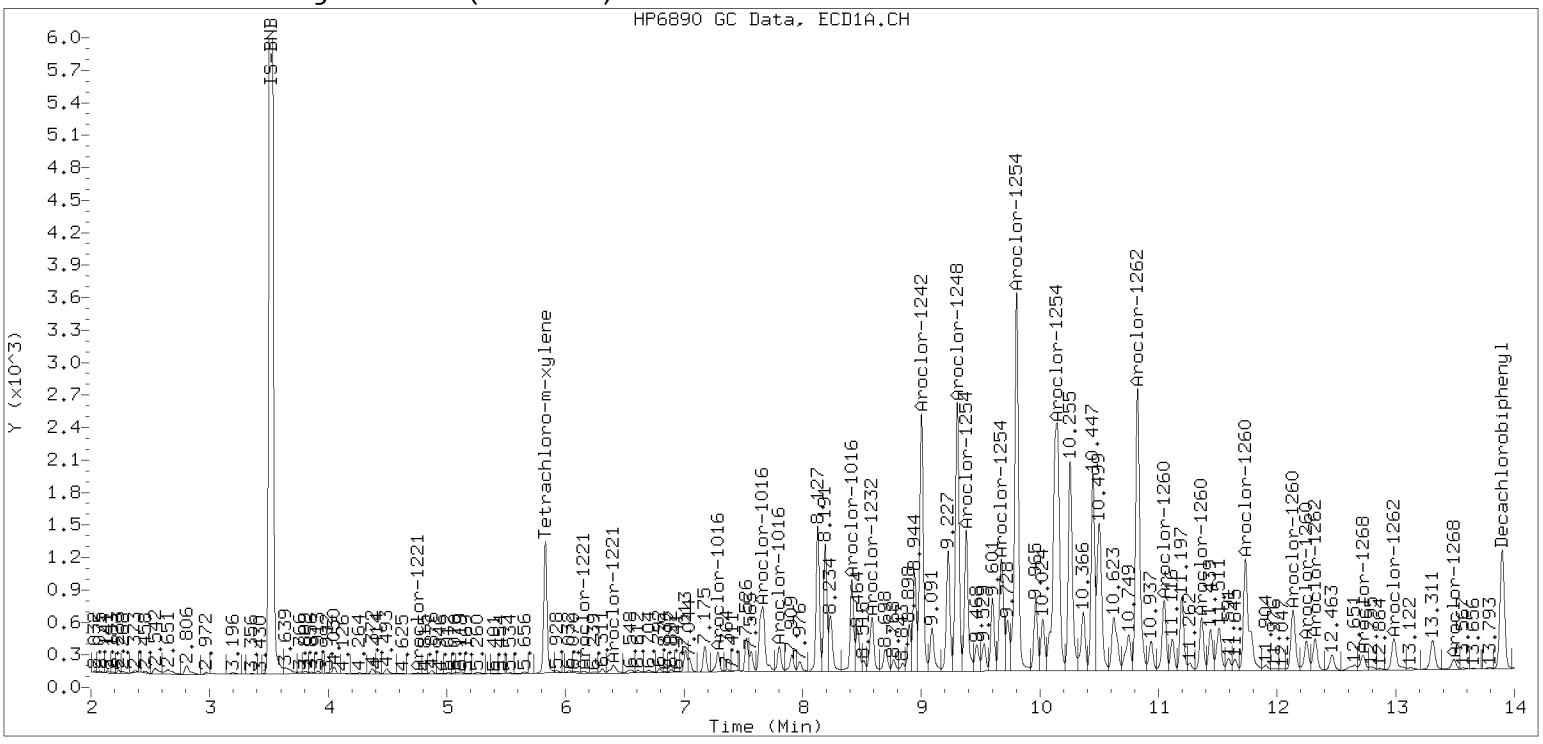
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222208ECD7.D Injection Date: 22-DEC-2022 18:19

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-28 B	File ID:	12202208ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:14
% Solids:	67.88	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.42 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	70.4	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	120	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	62.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9978*	*9.08*	*114*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9978*	*6.39*	*79.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202208ECD7.D
Data file 2: /221220.b/221220.b/12202208ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-28
Client ID:
Injection Date: 20-DEC-2022 15:14
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	207153	5.706	-0.008	132222	32.0	36.3	12.7	Tetrachloro-m-xylene
13.897	-0.011	188657	14.127	-0.010	182934	45.4	41.5	8.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	457397	2.2
Hexabromobiphenyl	798898	453123	-43.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	265872	6.7
Hexabromobiphenyl	362541	310230	-14.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.015	75340	383.1	1	8.316	-0.010	74580	686.6
Aroclor-1248	2	8.580	-0.024	49921	198.8	2	8.721	-0.012	50842	445.1
Aroclor-1248	3	8.999	-0.023	214522	474.9	3	9.153	-0.024	54797	394.3
Aroclor-1248	4	9.301	-0.010	225185	1017.6	4	9.633	0.030	14754	90.4
		Total Col1Ave (4 peaks):			518.6	Total Col2Ave (4 peaks):				404.1 RPD = 25
		Corrected Ave (3 peaks):			352.3	Corrected Ave (3 peaks):				309.9 RPD = 13
Aroclor-1254	1	9.301	-0.020	225185	559.2	1	9.453	-0.014	116369	678.9
Aroclor-1254	2	9.376	-0.025	111940	714.7	2	9.971	-0.015	38922	282.4
Aroclor-1254	3	9.673	-0.021	120254	472.8	3	10.119	-0.021	215008	725.8
Aroclor-1254	4	9.801	-0.030	322547	650.5	4	10.363	-0.026	230691	751.9
Aroclor-1254	5	10.137	-0.052	317571	934.4	5	10.569	-0.018	127150	859.3
		Total Col1Ave (5 peaks):			666.3	Total Col2Ave (5 peaks):				659.7 RPD = 1
		Corrected Ave (4 peaks):			599.3	Corrected Ave (4 peaks):				609.7 RPD = 2
Aroclor-1260	1	11.046	-0.016	71283	432.2	1	11.658	-0.011	65944	402.7
Aroclor-1260	2	11.361	-0.016	52913	310.2	2	11.918	-0.015	99988	243.3
Aroclor-1260	3	11.731	-0.021	122019	272.2	3	12.438	-0.014	35367	323.2
Aroclor-1260	4	12.131	-0.027	64122	280.9	4	12.502	-0.014	71871	262.4
Aroclor-1260	5	12.246	-0.016	35240	377.1	NS	---			----
		Total Col1Ave (5 peaks):			334.5	Total Col2Ave (4 peaks):				307.9 RPD = 8
		Corrected Ave (4 peaks):			310.1	Corrected Ave (3 peaks):				276.3 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 4316607 Col1 Total PCB = 0.8 ppm*

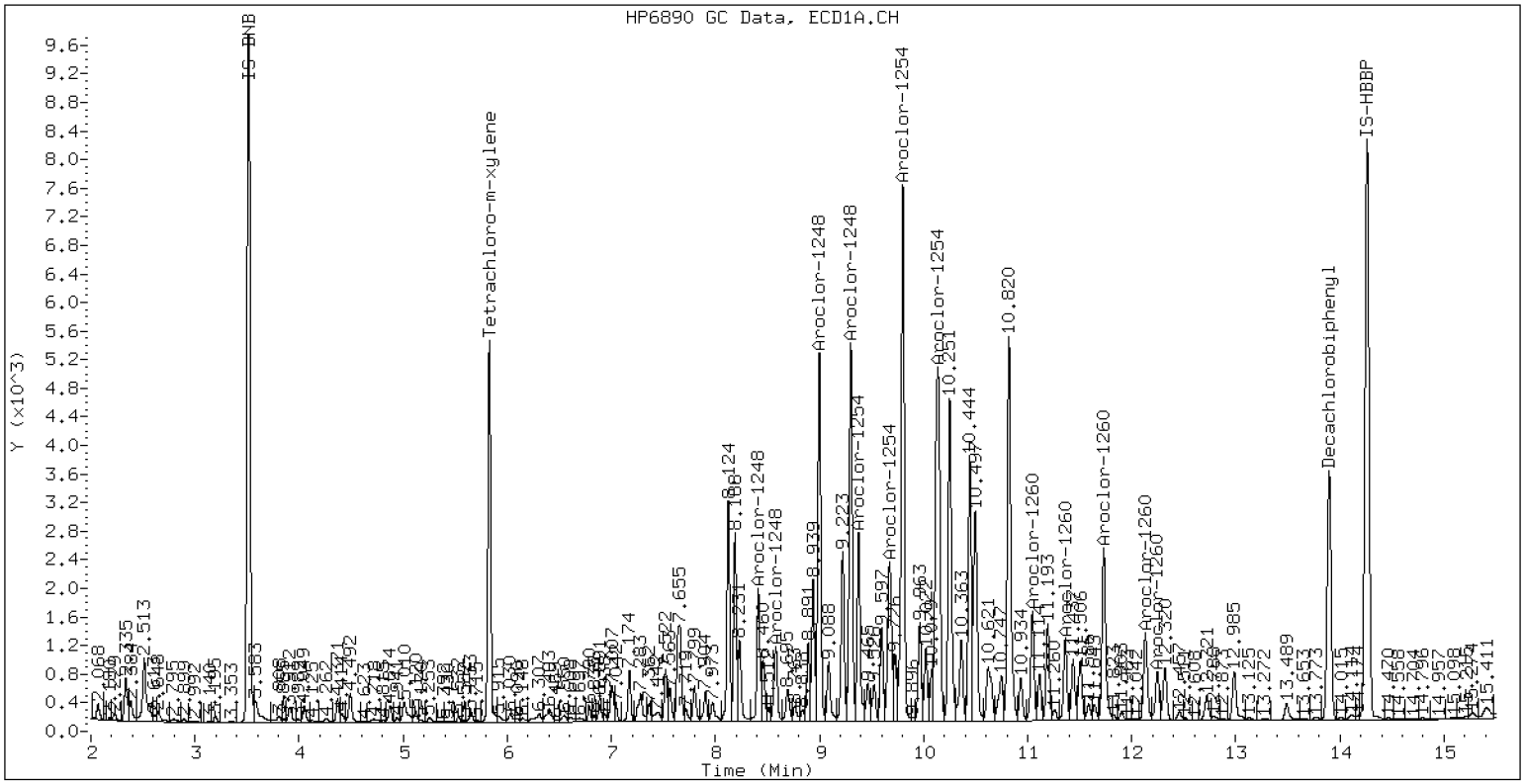
Total PCB Area Col2 (5.936 - 13.808) = 2889859 Col2 Total PCB = 1.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

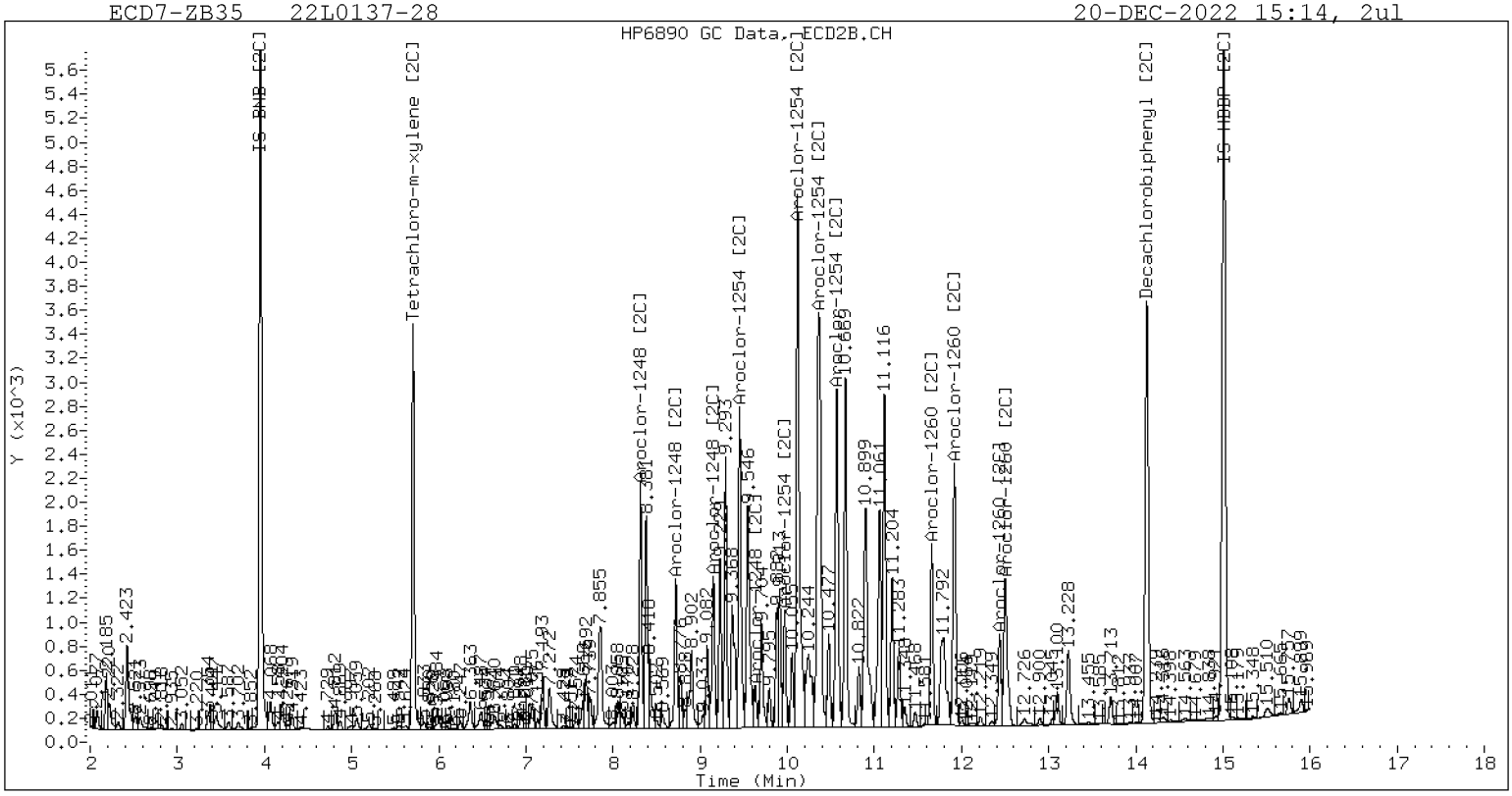
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-28 20-DEC-2022 15:14, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-28 20-DEC-2022 15:14, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-29 B	File ID:	12202209ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:35
% Solids:	64.61	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.35 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	108	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	169	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	77.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9987*	*8.24*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9987*	*5.59*	*69.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202209ECD7.D
Data file 2: /221220.b/221220.b/12202209ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-29
Client ID:
Injection Date: 20-DEC-2022 15:35
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	184101	5.707	-0.006	115955	28.0	31.4	11.7	Tetrachloro-m-xylene
13.897	-0.011	169586	14.127	-0.010	164170	41.2	36.9	11.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	464636	3.8
Hexabromobiphenyl	798898	448811	-43.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	269175	8.1
Hexabromobiphenyl	362541	313216	-13.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.015	121747	609.4	1	8.316	-0.010	116135	1056.1
Aroclor-1248	2	8.581	-0.023	82482	323.4	2	8.721	-0.012	86069	744.2
Aroclor-1248	3	8.999	-0.024	313457	683.1	3	9.153	-0.025	79457	564.8
Aroclor-1248	4	9.301	-0.010	315879	1405.2	4	9.632	0.030	18773	113.7
		Total Col1Ave (4 peaks):			755.3	Total Col2Ave (4 peaks):				619.7 RPD = 20
		Corrected Ave (3 peaks):			538.6	Corrected Ave (3 peaks):				474.2 RPD = 13
Aroclor-1254	1	9.301	-0.020	315879	772.1	1	9.453	-0.014	159125	916.9
Aroclor-1254	2	9.376	-0.025	144733	909.7	2	9.971	-0.015	71894	515.3
Aroclor-1254	3	9.671	-0.024	201229	778.8	3	10.119	-0.020	319549	1065.5
Aroclor-1254	4	9.801	-0.030	465328	923.9	4	10.360	-0.030	325511	1048.0
Aroclor-1254	5	10.139	-0.050	446773	1294.1	5	10.568	-0.018	170504	1138.1
		Total Col1Ave (5 peaks):			935.7	Total Col2Ave (5 peaks):				936.7 RPD = 0
		Corrected Ave (4 peaks):			846.1	Corrected Ave (4 peaks):				886.4 RPD = 5
Aroclor-1260	1	11.045	-0.017	82244	503.4	1	11.657	-0.012	90431	547.0
Aroclor-1260	2	11.361	-0.017	67020	396.6	2	11.918	-0.015	132429	319.2
Aroclor-1260	3	11.730	-0.021	156384	352.2	3	12.437	-0.014	39969	361.8
Aroclor-1260	4	12.131	-0.028	88068	389.5	4	12.501	-0.015	91014	329.1
Aroclor-1260	5	12.246	-0.015	37367	403.7	NS	---			----
		Total Col1Ave (5 peaks):			409.1	Total Col2Ave (4 peaks):				389.3 RPD = 5
		Corrected Ave (4 peaks):			385.5	Corrected Ave (3 peaks):				336.7 RPD = 14
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 6098904 Col1 Total PCB = 1.1 ppm*

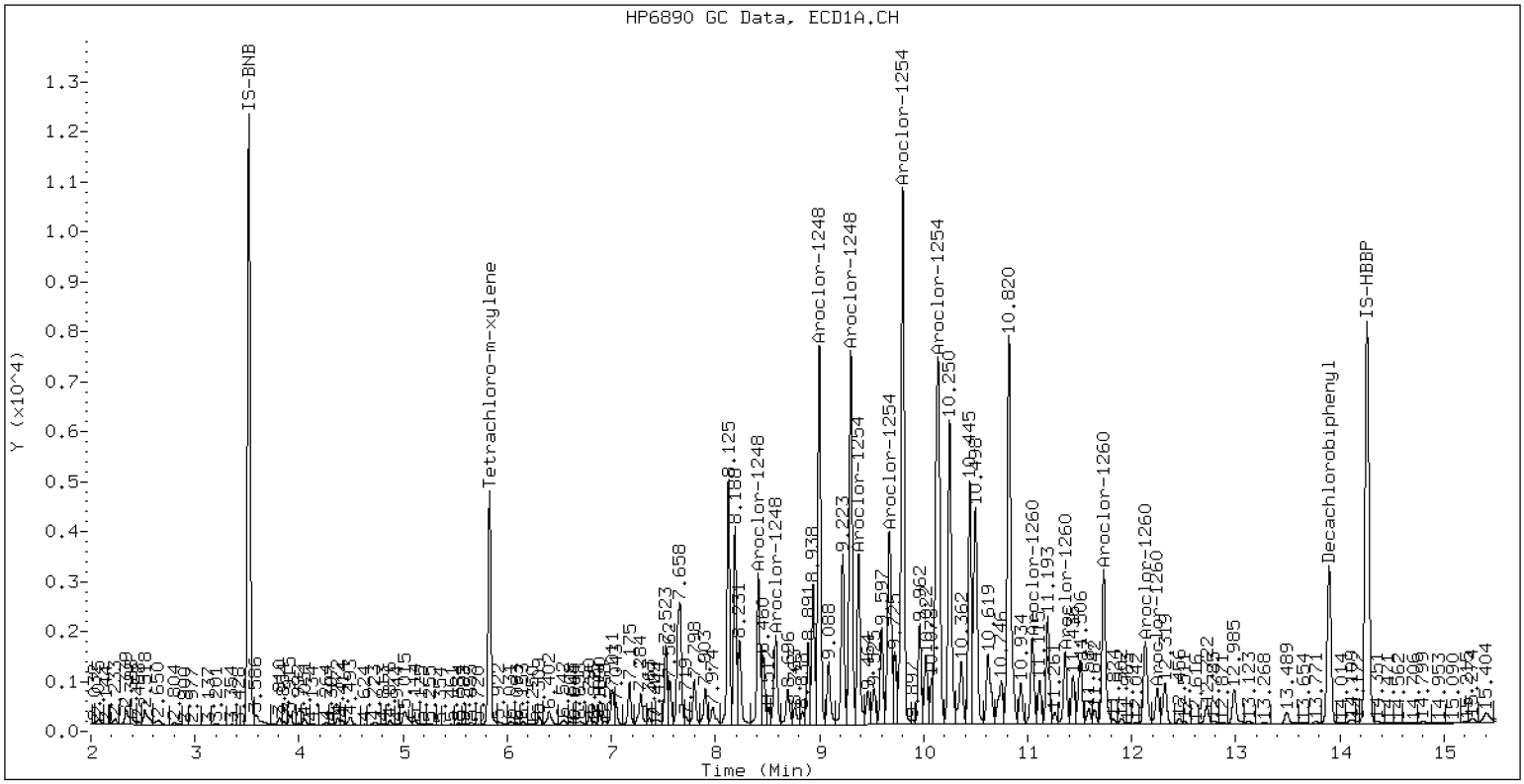
Total PCB Area Col2 (5.936 - 13.808) = 4077727 Col2 Total PCB = 2.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

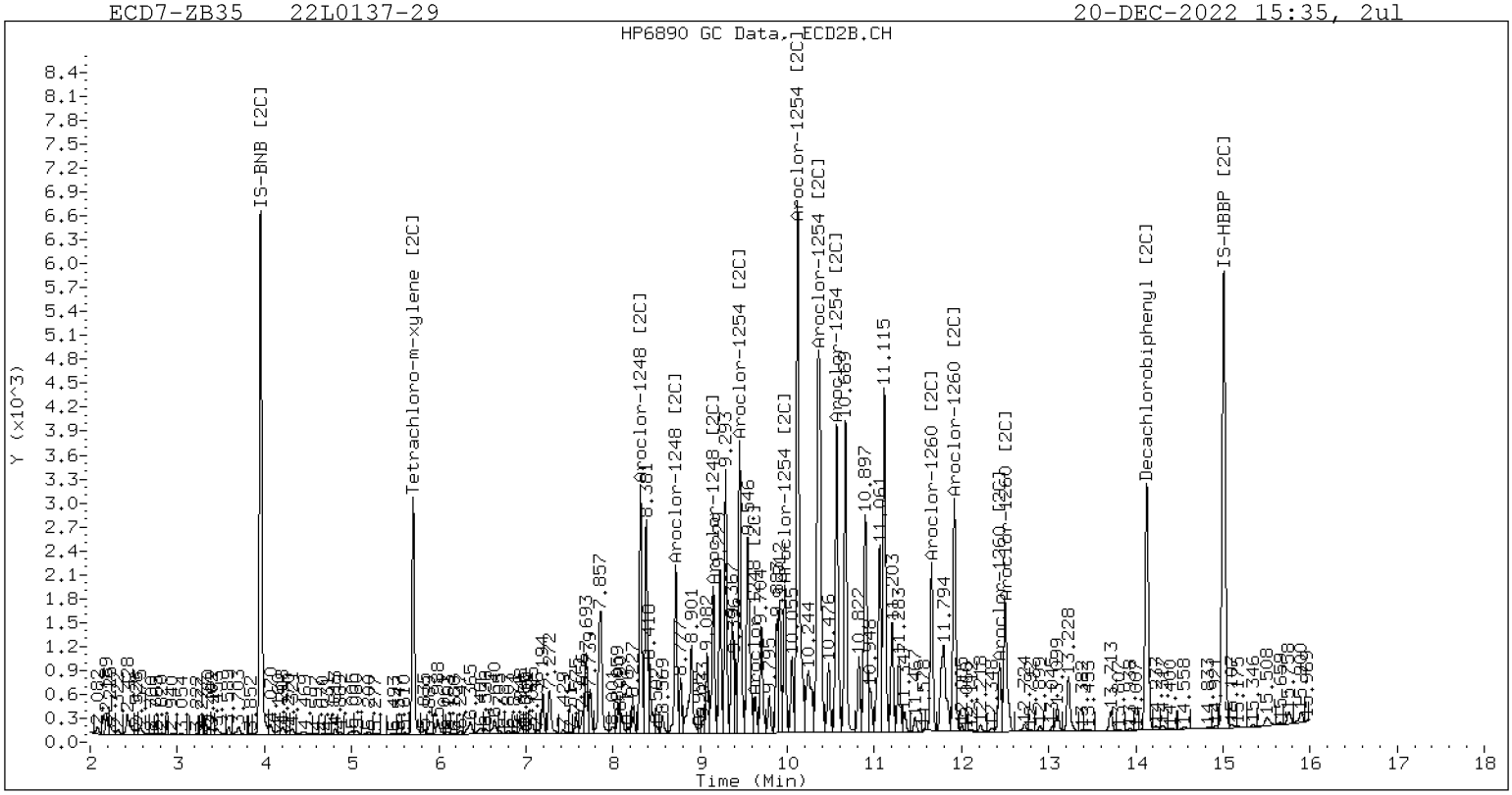
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-29 20-DEC-2022 15:35, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-29 20-DEC-2022 15:35, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-29RE1 B	File ID:	12222209ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 18:41
% Solids:	64.61	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.35 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	142	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	206	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	80.2	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9987*	*7.84*	*98.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9987*	*6.03*	*75.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222209ECD7.D
Data file 2: /221222.b/221222.b/12222209ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-29RE1
Client ID:
Injection Date: 22-DEC-2022 18:41
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	41977	5.707	-0.007	24725	6.0	6.4	5.7	Tetrachloro-m-xylene
13.898	-0.006	52037	14.127	-0.010	38720	7.8	6.7	16.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	491550	9.8
Hexabromobiphenyl	798898	723833	-9.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	282741	13.5
Hexabromobiphenyl	362541	408116	12.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	33822	160.0	1	8.318	-0.009	28078	243.1
Aroclor-1248	2	8.585	-0.019	24140	89.5	2	8.722	-0.010	20407	168.0
Aroclor-1248	3	9.002	-0.020	85937	177.0	3	9.157	-0.020	20032	135.6
Aroclor-1248	4	9.303	-0.008	87516	368.0	4	9.635	0.033	5337	30.8
		Total Col1Ave (4 peaks):			198.6		Total Col2Ave (4 peaks):			144.3 RPD = 32
		Corrected Ave (3 peaks):			142.2		Corrected Ave (3 peaks):			111.4 RPD = 24
Aroclor-1254	1	9.303	-0.018	87516	202.2	1	9.455	-0.011	40497	222.1
Aroclor-1254	2	9.379	-0.022	43240	256.9	2	9.974	-0.013	17915	122.2
Aroclor-1254	3	9.675	-0.019	53985	197.5	3	10.122	-0.018	79438	252.2
Aroclor-1254	4	9.805	-0.026	133258	250.1	4	10.369	-0.020	83026	254.5
Aroclor-1254	5	10.134	-0.055	64130	175.6	5	10.570	-0.016	43903	279.0
		Total Col1Ave (5 peaks):			216.5		Total Col2Ave (5 peaks):			226.0 RPD = 4
		Corrected Ave (4 peaks):			206.3		Corrected Ave (4 peaks):			212.8 RPD = 3
Aroclor-1260	1	11.049	-0.007	25810	98.0	1	11.660	-0.009	23210	107.7
Aroclor-1260	2	11.363	-0.010	20677	75.9	2	11.920	-0.013	32699	60.5
Aroclor-1260	3	11.734	-0.013	52799	73.7	3	12.438	-0.013	13348	92.7
Aroclor-1260	4	12.136	-0.013	27149	74.5	4	12.504	-0.013	23442	65.1
Aroclor-1260	5	12.248	-0.010	11786	79.0	NS	---			----
		Total Col1Ave (5 peaks):			80.2		Total Col2Ave (4 peaks):			81.5 RPD = 2
		Corrected Ave (4 peaks):			75.8		Corrected Ave (3 peaks):			72.8 RPD = 4
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1772354 Col1 Total PCB = 0.4 ppm*

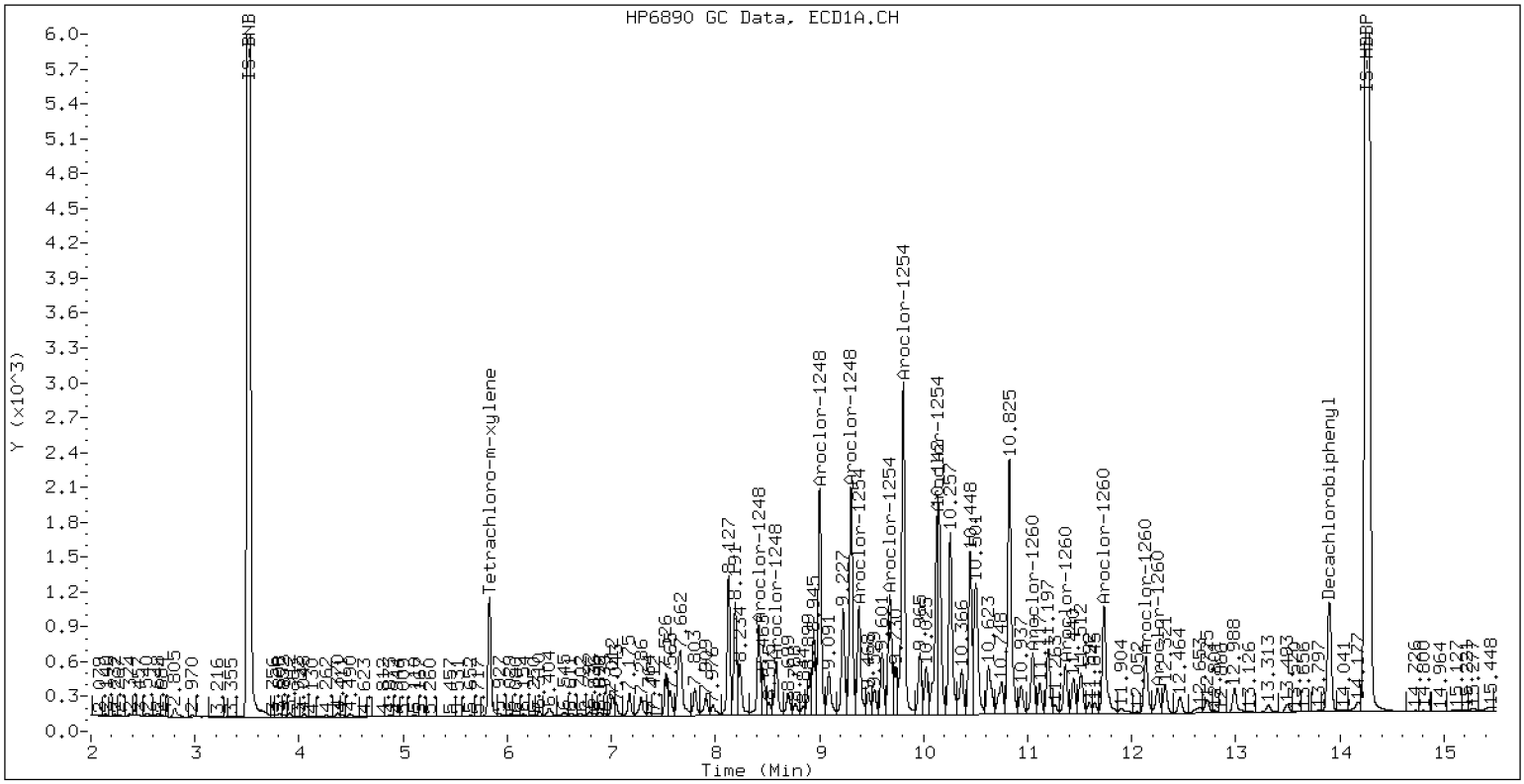
Total PCB Area Col2 (5.813 - 14.037) = 1030912 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

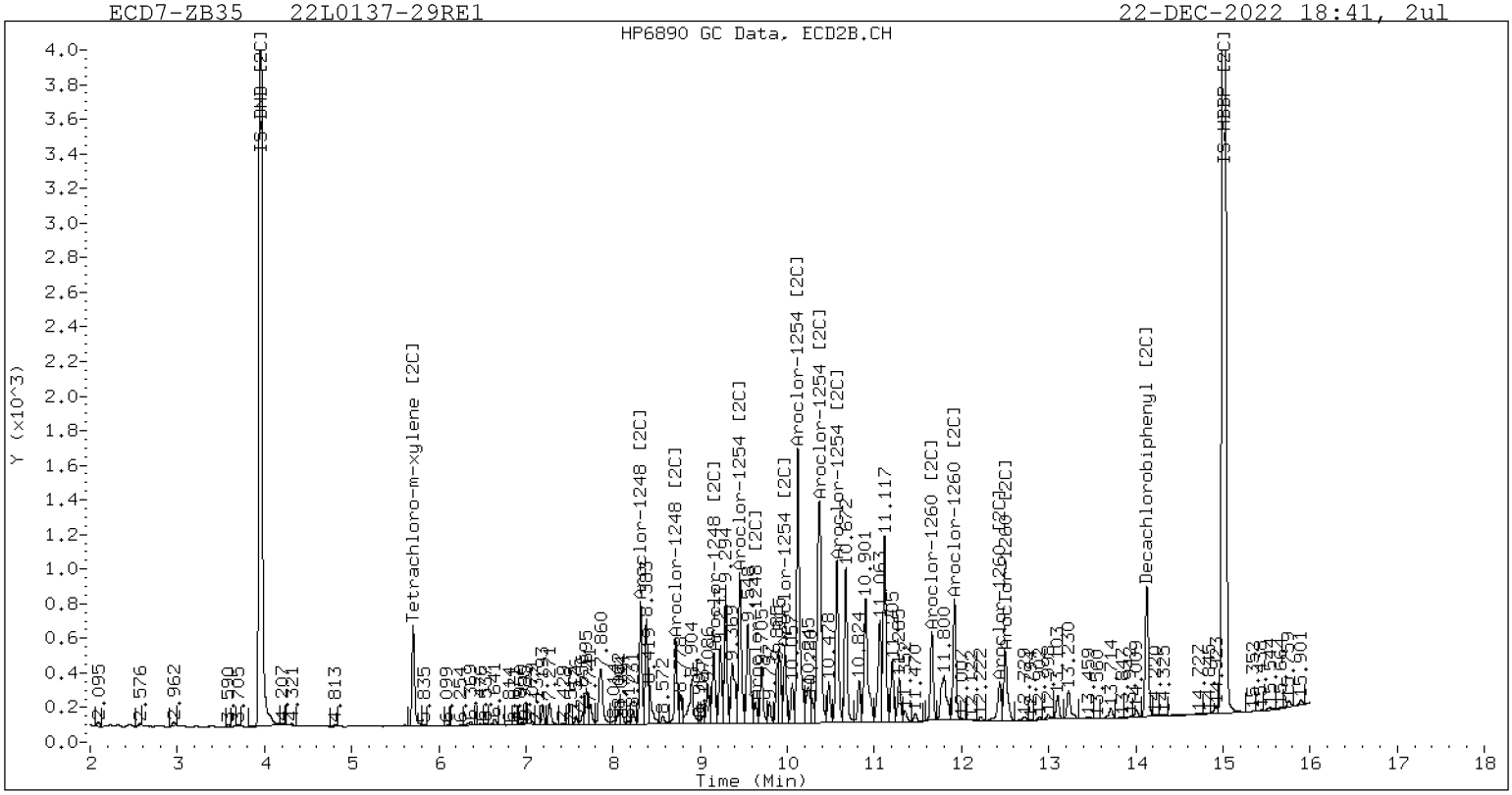
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-29RE1 22-DEC-2022 18:41, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-29RE1 22-DEC-2022 18:41, 2ul

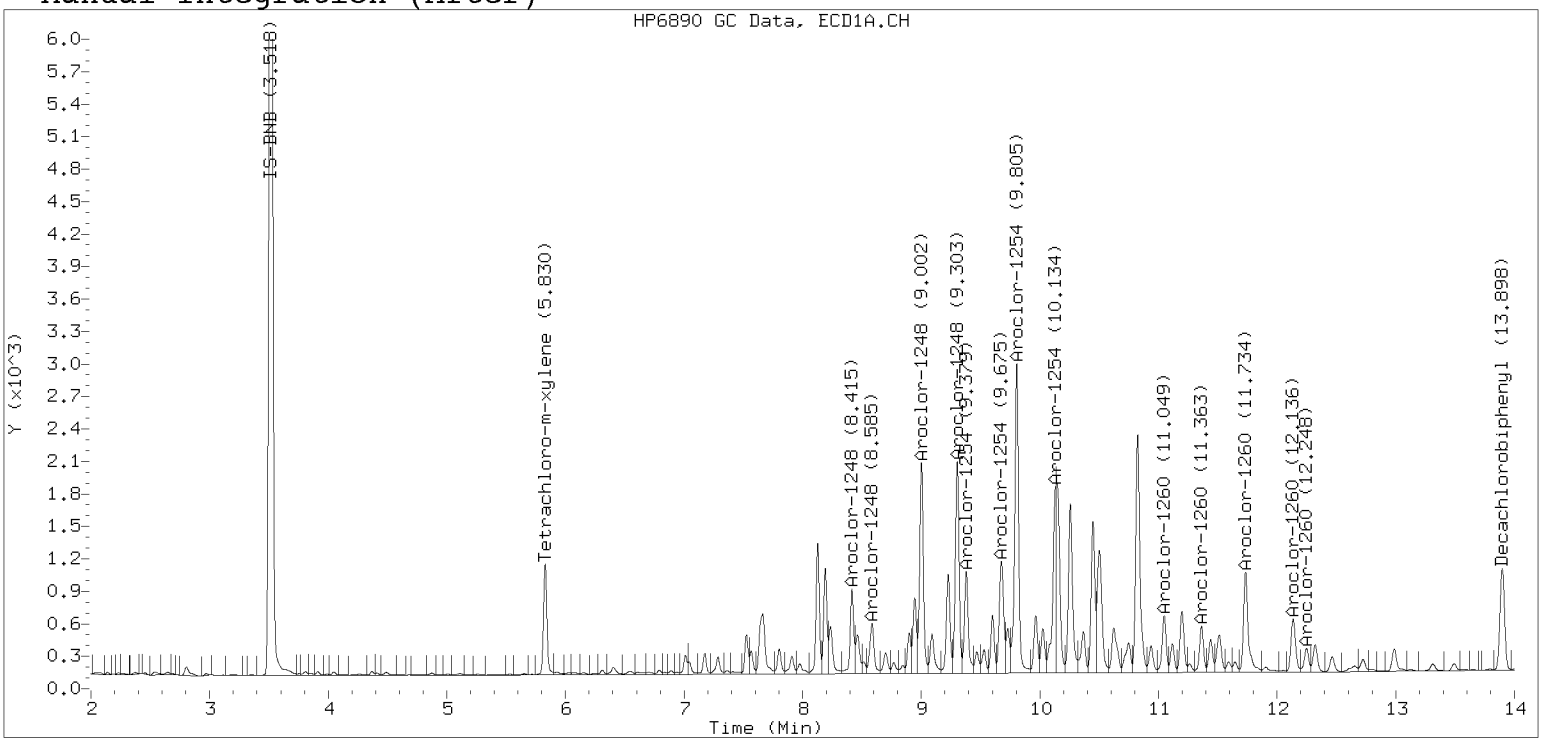


ZB-35 Manual Integration: NO

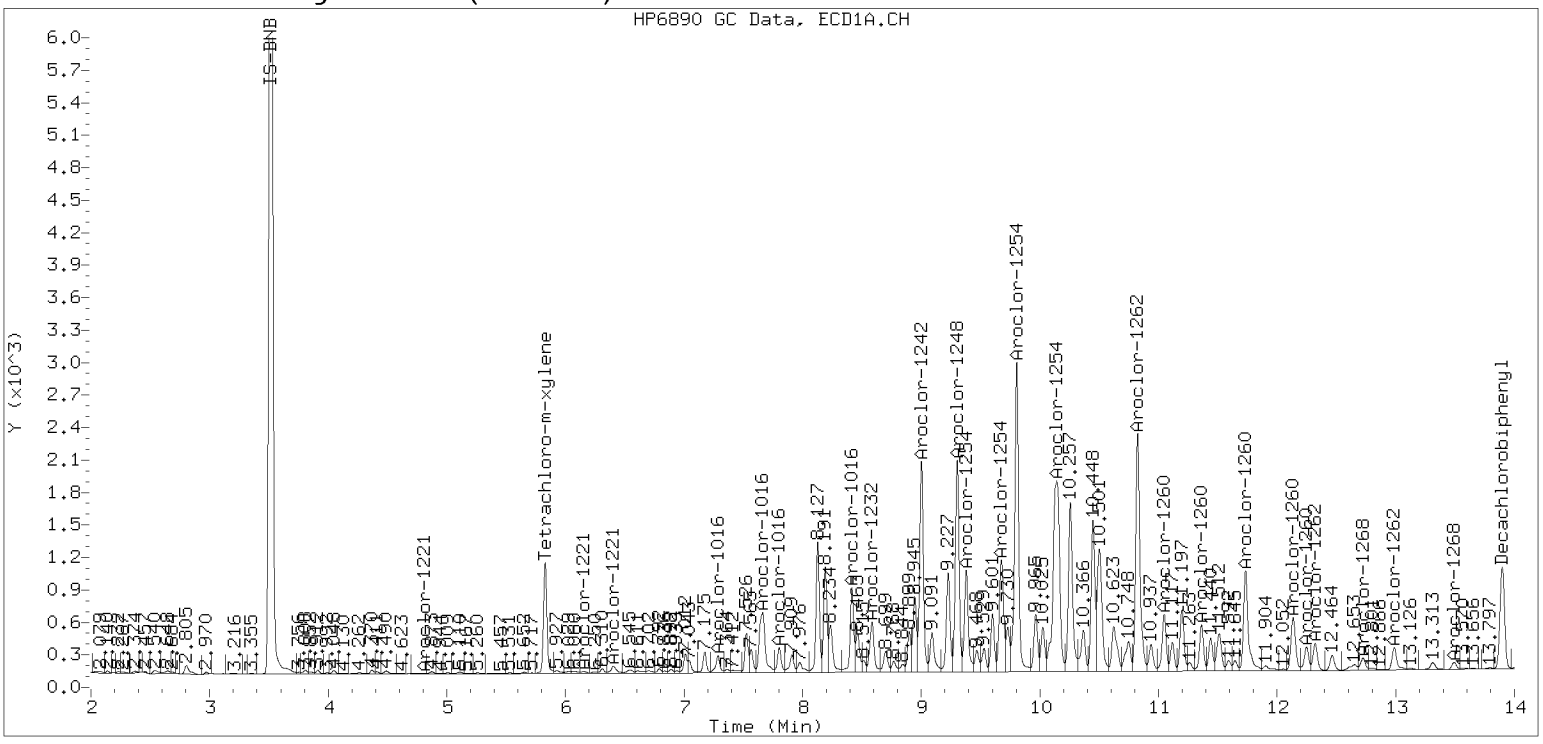
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222209ECD7.D Injection Date: 22-DEC-2022 18:41

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785M

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-30 B	File ID:	12202210ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:56
% Solids:	66.46	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.81 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	102	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	174	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	85.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9993*	*8.71*	*109*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9993*	*5.86*	*73.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202210ECD7.D
Data file 2: /221220.b/221220.b/12202210ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-30
Client ID:
Injection Date: 20-DEC-2022 15:56
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	186366	5.706	-0.008	115889	29.3	32.1	9.0	Tetrachloro-m-xylene
13.896	-0.011	172304	14.127	-0.010	169187	43.5	39.2	10.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	448865	0.3
Hexabromobiphenyl	798898	431732	-46.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	263744	5.9
Hexabromobiphenyl	362541	304134	-16.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.015	109860	569.2	1	8.316	-0.011	108735	1009.2
Aroclor-1248	2	8.580	-0.024	70178	284.8	2	8.721	-0.011	76539	675.4
Aroclor-1248	3	8.999	-0.024	300625	678.2	3	9.153	-0.025	73613	534.0
Aroclor-1248	4	9.301	-0.010	314069	1446.2	4	9.632	0.030	18484	114.2
		Total Col1Ave (4 peaks):			744.6		Total Col2Ave (4 peaks):			583.2 RPD = 24
		Corrected Ave (3 peaks):			510.7		Corrected Ave (3 peaks):			441.2 RPD = 15
Aroclor-1254	1	9.301	-0.020	314069	794.7	1	9.453	-0.014	161760	951.3
Aroclor-1254	2	9.376	-0.026	152528	992.4	2	9.971	-0.016	63899	467.4
Aroclor-1254	3	9.673	-0.021	186277	746.3	3	10.119	-0.021	318426	1083.6
Aroclor-1254	4	9.800	-0.030	462934	951.4	4	10.358	-0.031	328848	1080.5
Aroclor-1254	5	10.138	-0.051	449864	1348.8	5	10.568	-0.019	183407	1249.5
		Total Col1Ave (5 peaks):			966.7		Total Col2Ave (5 peaks):			966.4 RPD = 0
		Corrected Ave (4 peaks):			871.2		Corrected Ave (4 peaks):			895.7 RPD = 3
Aroclor-1260	1	11.046	-0.016	86712	551.8	1	11.657	-0.012	93361	581.5
Aroclor-1260	2	11.360	-0.017	66752	410.7	2	11.918	-0.015	143498	356.2
Aroclor-1260	3	11.731	-0.020	168856	395.4	3	12.438	-0.014	44595	415.7
Aroclor-1260	4	12.131	-0.027	95184	437.7	4	12.501	-0.015	98841	368.1
Aroclor-1260	5	12.246	-0.016	40906	459.5	NS	---			----
		Total Col1Ave (5 peaks):			451.0		Total Col2Ave (4 peaks):			430.4 RPD = 5
		Corrected Ave (4 peaks):			425.8		Corrected Ave (3 peaks):			380.0 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 5988408 Col1 Total PCB = 1.2 ppm*

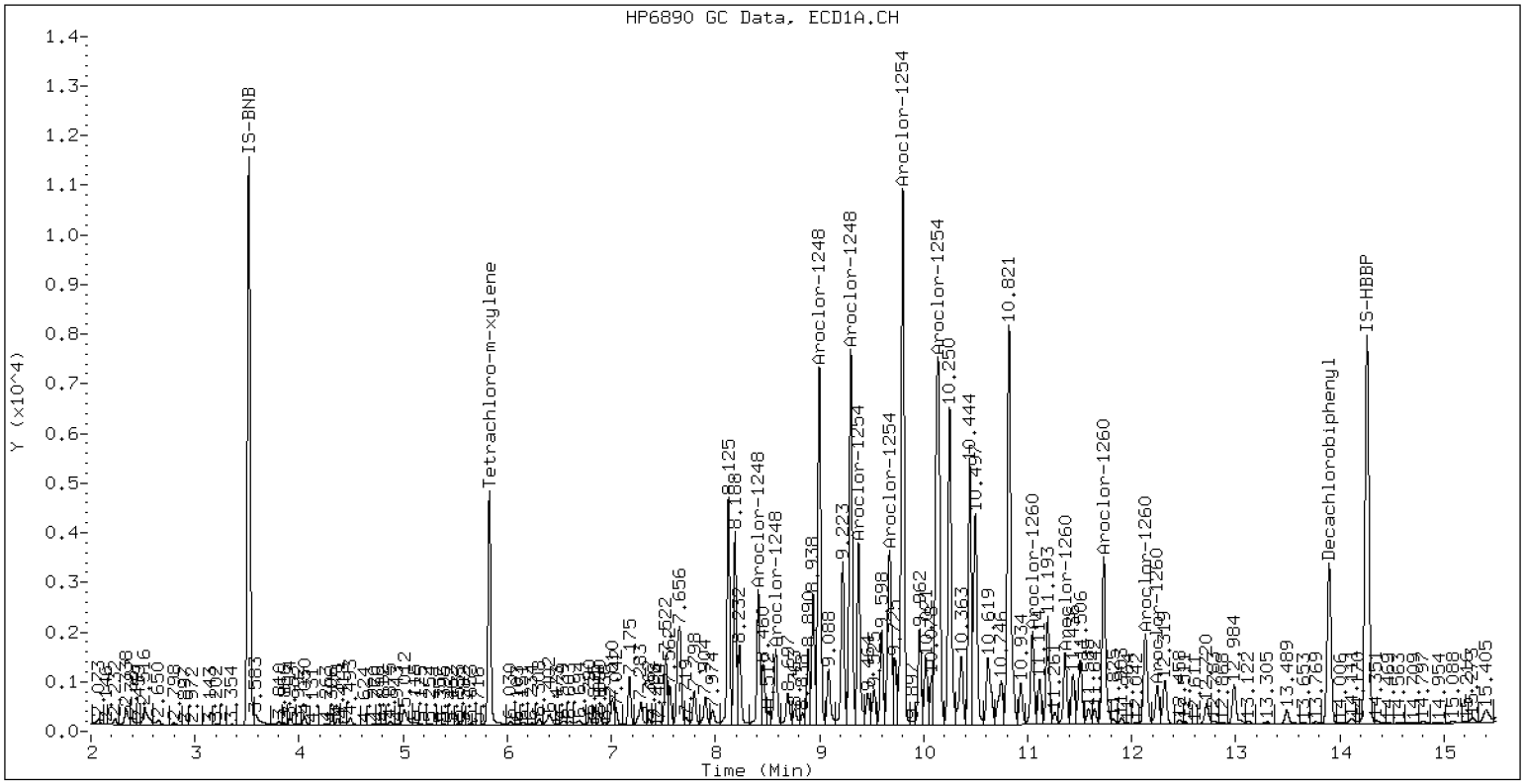
Total PCB Area Col2 (5.936 - 13.808) = 4060741 Col2 Total PCB = 2.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

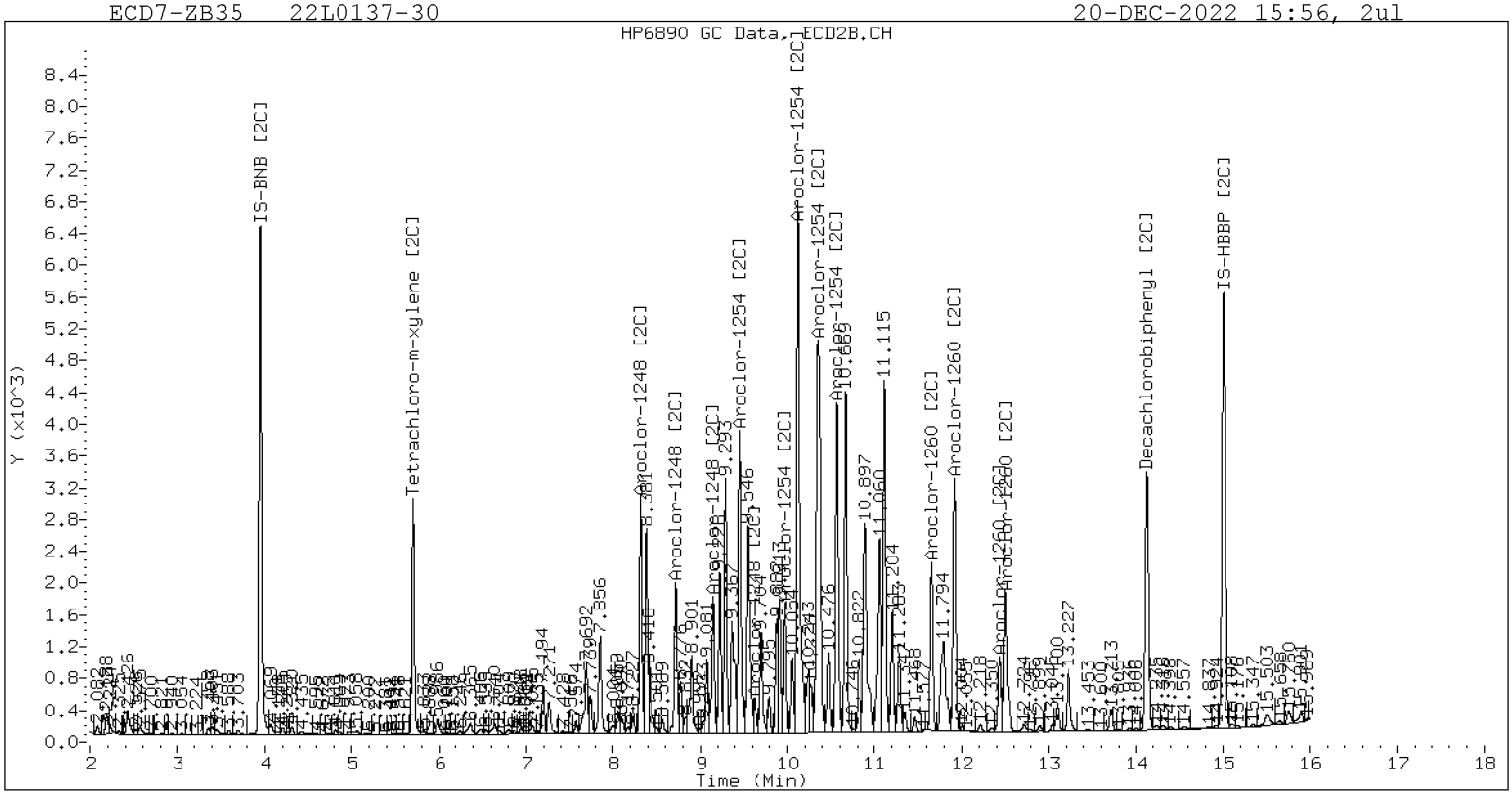
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-30 20-DEC-2022 15:56, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-30 20-DEC-2022 15:56, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785M

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-30RE1 B	File ID:	12222210ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:02
% Solids:	66.46	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.81 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	133	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	217	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	88.1	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9993*	*8.49*	*106*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9993*	*6.50*	*81.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222210ECD7.D
Data file 2: /221222.b/221222.b/12222210ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-30RE1
Client ID:
Injection Date: 22-DEC-2022 19:02
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	46464	5.708	-0.005	27090	6.5	6.8	4.3	Tetrachloro-m-xylene
13.897	-0.007	56528	14.127	-0.010	42399	8.5	7.2	17.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	504356	12.7
Hexabromobiphenyl	798898	726632	-9.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	291170	16.9
Hexabromobiphenyl	362541	417195	15.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	31761	146.5	1	8.317	-0.009	28515	239.7
Aroclor-1248	2	8.584	-0.020	21145	76.4	2	8.723	-0.010	19854	158.7
Aroclor-1248	3	9.002	-0.020	87488	175.6	3	9.157	-0.021	20144	132.4
Aroclor-1248	4	9.303	-0.008	89691	367.6	4	9.635	0.032	5708	32.0
		Total Col1Ave (4 peaks):			191.5		Total Col2Ave (4 peaks):			140.7 RPD = 31
		Corrected Ave (3 peaks):			132.8		Corrected Ave (3 peaks):			107.7 RPD = 21
Aroclor-1254	1	9.303	-0.018	89691	202.0	1	9.455	-0.012	43781	233.2
Aroclor-1254	2	9.379	-0.023	47016	272.2	2	9.973	-0.014	17588	116.5
Aroclor-1254	3	9.675	-0.019	53339	190.2	3	10.121	-0.018	84062	259.1
Aroclor-1254	4	9.804	-0.027	139741	255.6	4	10.367	-0.022	89301	265.8
Aroclor-1254	5	10.138	-0.051	82493	220.1	5	10.570	-0.017	50165	309.6
		Total Col1Ave (5 peaks):			228.0		Total Col2Ave (5 peaks):			236.8 RPD = 4
		Corrected Ave (4 peaks):			217.0		Corrected Ave (4 peaks):			218.7 RPD = 1
Aroclor-1260	1	11.048	-0.008	28358	107.2	1	11.660	-0.009	24821	112.7
Aroclor-1260	2	11.362	-0.012	21071	77.0	2	11.919	-0.014	37176	67.3
Aroclor-1260	3	11.733	-0.014	58654	81.6	3	12.438	-0.014	14247	96.8
Aroclor-1260	4	12.134	-0.014	30970	84.6	4	12.502	-0.015	26299	71.4
Aroclor-1260	5	12.247	-0.011	13484	90.0	NS	---			----
		Total Col1Ave (5 peaks):			88.1		Total Col2Ave (4 peaks):			87.0 RPD = 1
		Corrected Ave (4 peaks):			83.3		Corrected Ave (3 peaks):			78.5 RPD = 6
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1810165 Col1 Total PCB = 0.4 ppm*

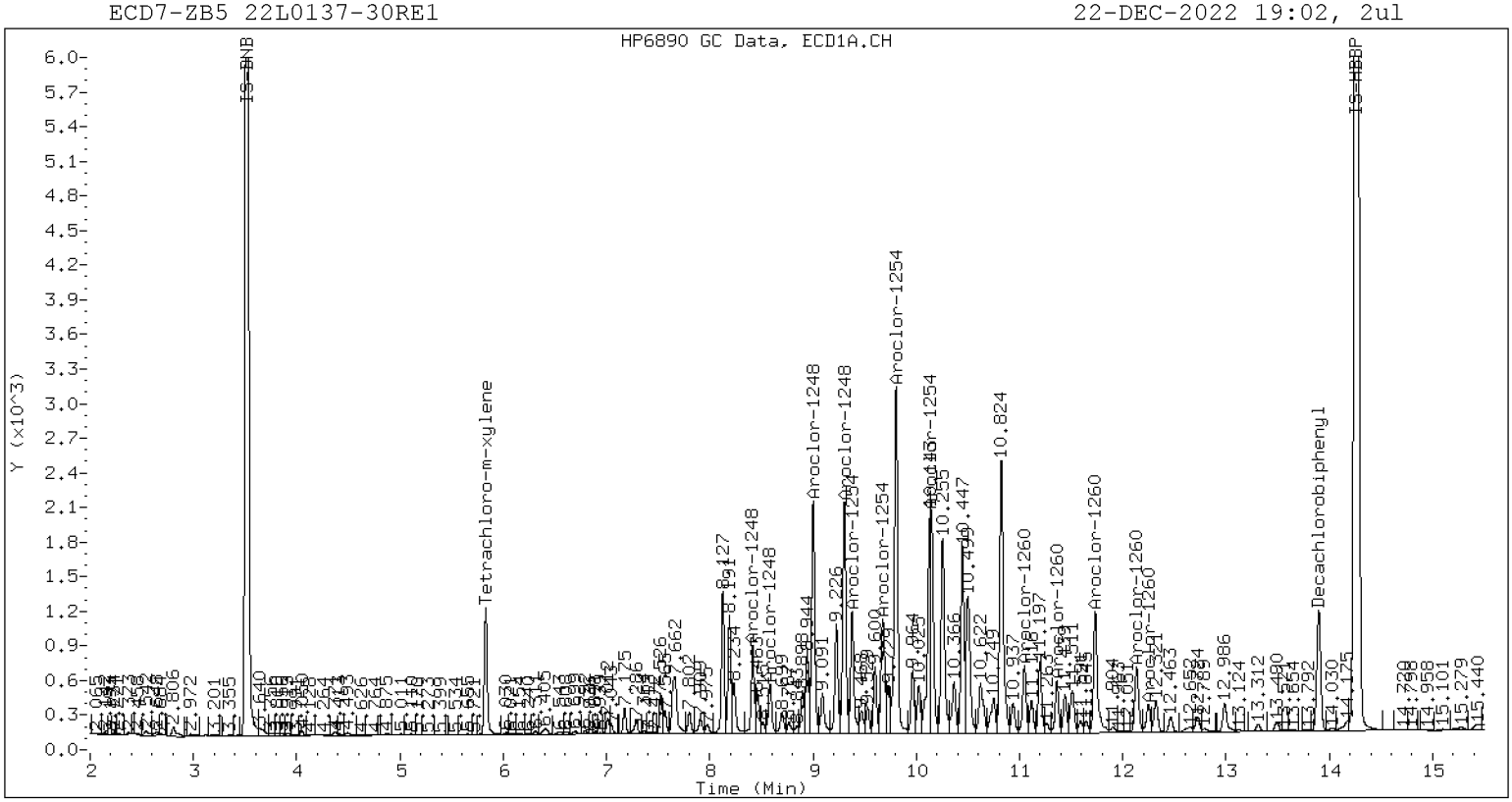
Total PCB Area Col2 (5.813 - 14.037) = 1103892 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

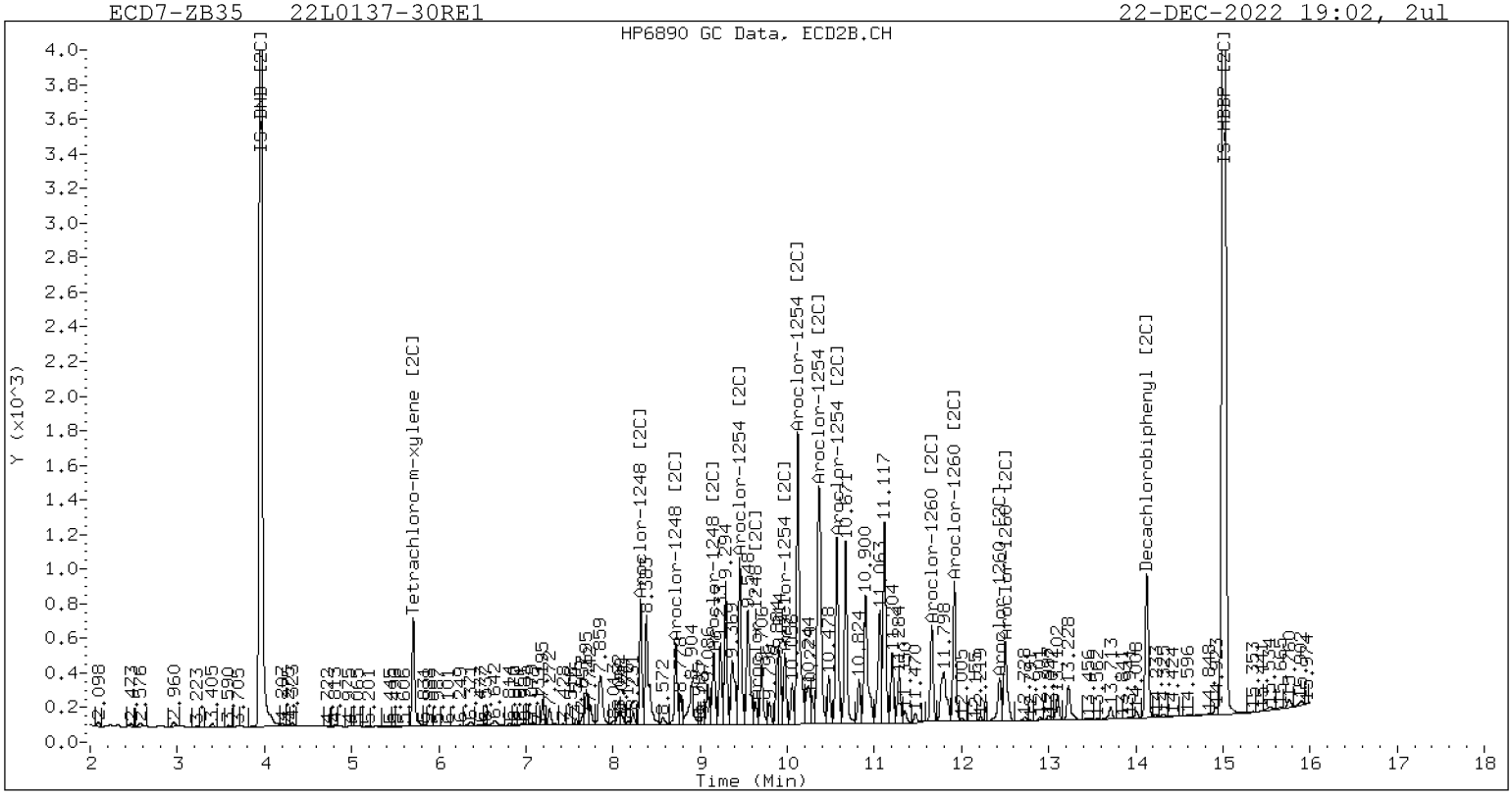
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-30RE1 22-DEC-2022 19:02, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-30RE1 22-DEC-2022 19:02, 2ul

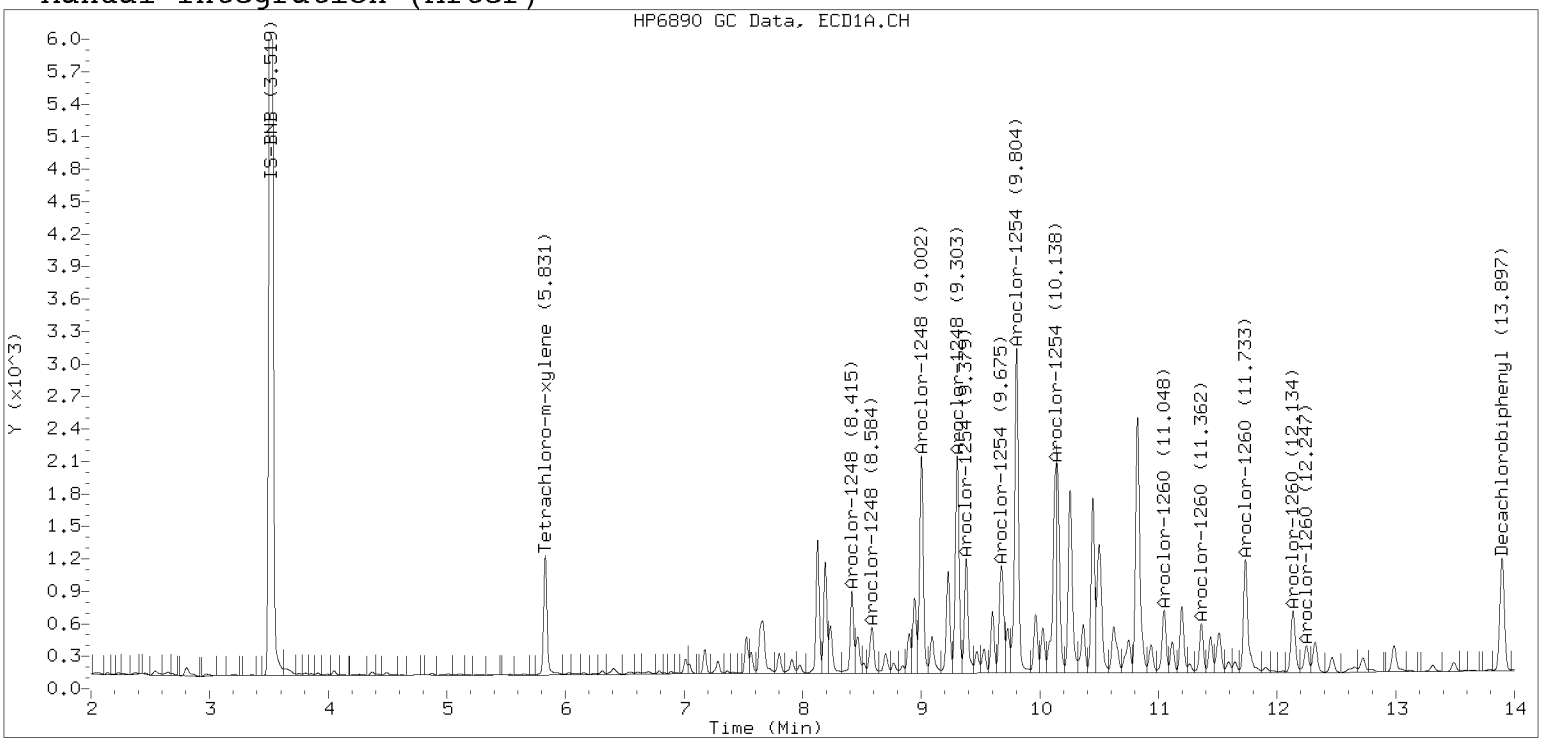


ZB-35 Manual Integration: NO

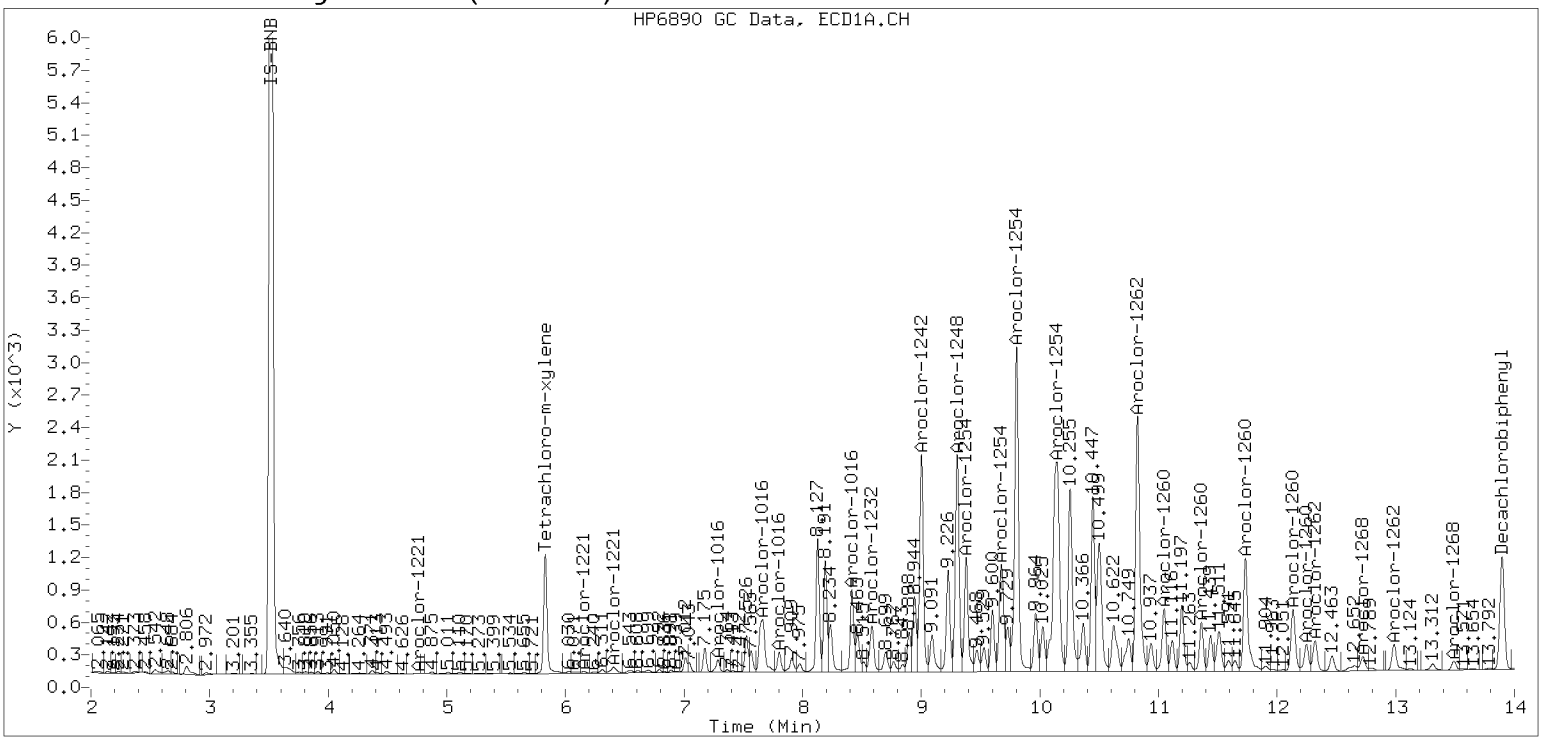
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222210ECD7.D Injection Date: 22-DEC-2022 19:02

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785N

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-31 B	File ID:	12202211ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 16:17
% Solids:	85.39	Preparation:	EPA 3546 (Microwave)	Initial/Final:	14.69 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	8.4	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	12.8	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	5.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9721*	*8.85*	*111*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9721*	*6.84*	*85.8*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202211ECD7.D
Data file 2: /221220.b/221220.b/12202211ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-31
Client ID:
Injection Date: 20-DEC-2022 16:17
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	233134	5.709	-0.004	136740	34.3	35.8	4.1	Tetrachloro-m-xylene
13.899	-0.008	247260	14.129	-0.008	216237	44.4	40.8	8.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	479223	7.1
Hexabromobiphenyl	798898	607227	-24.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	278824	11.9
Hexabromobiphenyl	362541	373259	3.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.417	-0.010	10754	52.2	1	8.320	-0.007	6842	60.1
Aroclor-1248	2	8.587	-0.017	6898	26.2	2	8.725	-0.008	5022	41.9
Aroclor-1248	3	9.005	-0.017	22351	47.2	3	9.161	-0.016	6007	41.2
Aroclor-1248	4	9.306	-0.005	24290	104.8	4	9.637	0.035	1509	8.8
		Total Col1Ave (4 peaks):			57.6		Total Col2Ave (4 peaks):			38.0 RPD = 41*
		Corrected Ave (3 peaks):			41.9		Corrected Ave (3 peaks):			30.7 RPD = 31
Aroclor-1254	1	9.306	-0.015	24290	57.6	1	9.457	-0.009	12519	69.6
Aroclor-1254	2	9.382	-0.020	13152	80.1	2	9.975	-0.012	5270	36.5
Aroclor-1254	3	9.679	-0.015	13643	51.2	3	10.123	-0.016	19508	62.8
Aroclor-1254	4	9.808	-0.022	35483	68.3	4	10.371	-0.018	23337	72.5
Aroclor-1254	5	10.151	-0.038	35976	101.0	5	10.573	-0.013	13082	84.3
		Total Col1Ave (5 peaks):			71.6		Total Col2Ave (5 peaks):			65.1 RPD = 10
		Corrected Ave (4 peaks):			64.3		Corrected Ave (4 peaks):			60.4 RPD = 6
Aroclor-1260	1	11.050	-0.012	7232	32.7	1	11.663	-0.007	6282	31.9
Aroclor-1260	2	11.366	-0.011	6372	27.9	2	11.923	-0.010	8693	17.6
Aroclor-1260	3	11.736	-0.015	15781	26.3	3	12.441	-0.011	5123	38.9
Aroclor-1260	4	12.138	-0.020	9194	30.1	4	12.506	-0.011	7381	22.4
Aroclor-1260	5	12.250	-0.011	5505	44.0	NS	---			----
		Total Col1Ave (5 peaks):			32.2		Total Col2Ave (4 peaks):			27.7 RPD = 15
		Corrected Ave (4 peaks):			29.2		Corrected Ave (3 peaks):			24.0 RPD = 20
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 546176 Col1 Total PCB = 0.1 ppm*

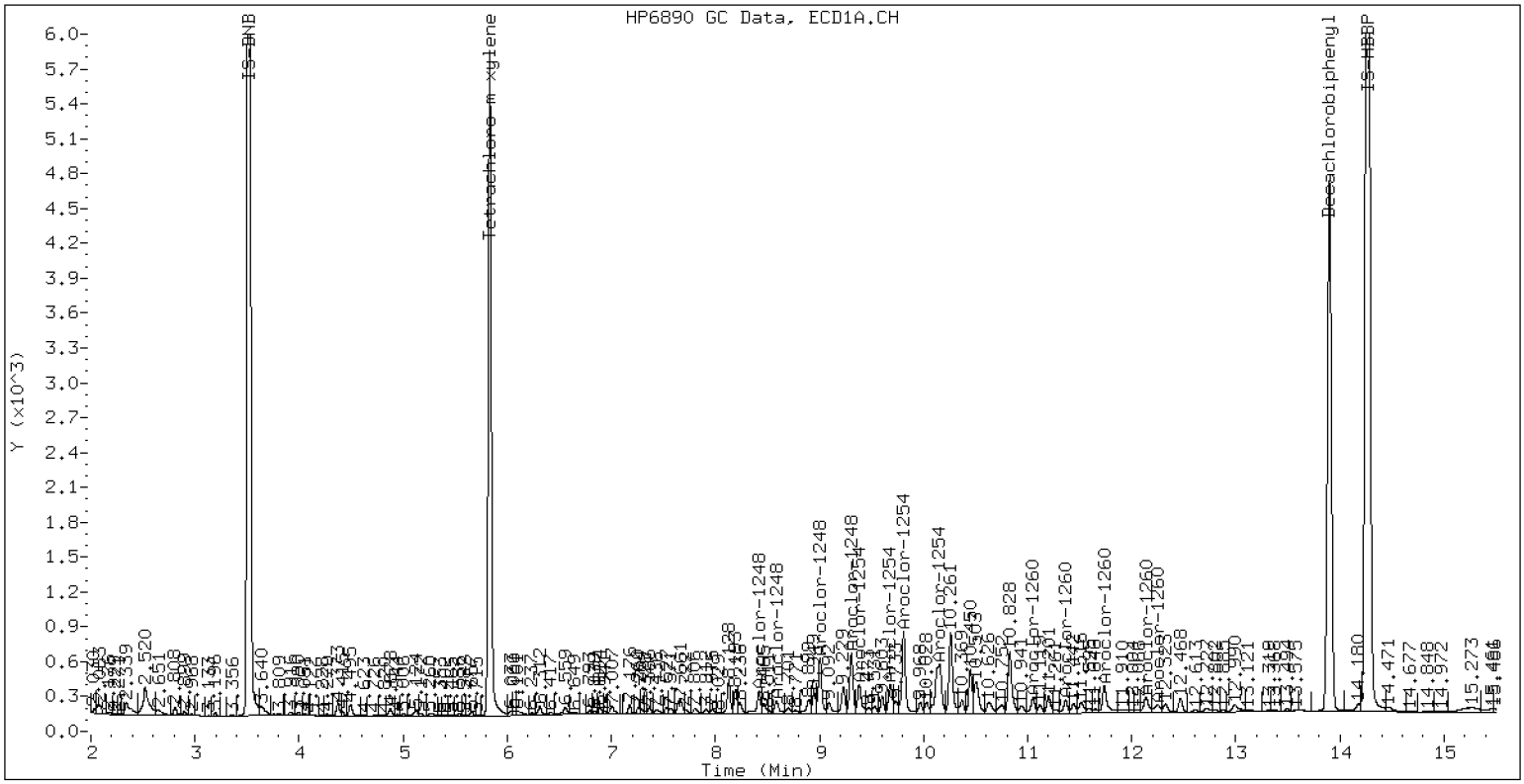
Total PCB Area Col2 (5.936 - 13.808) = 334792 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

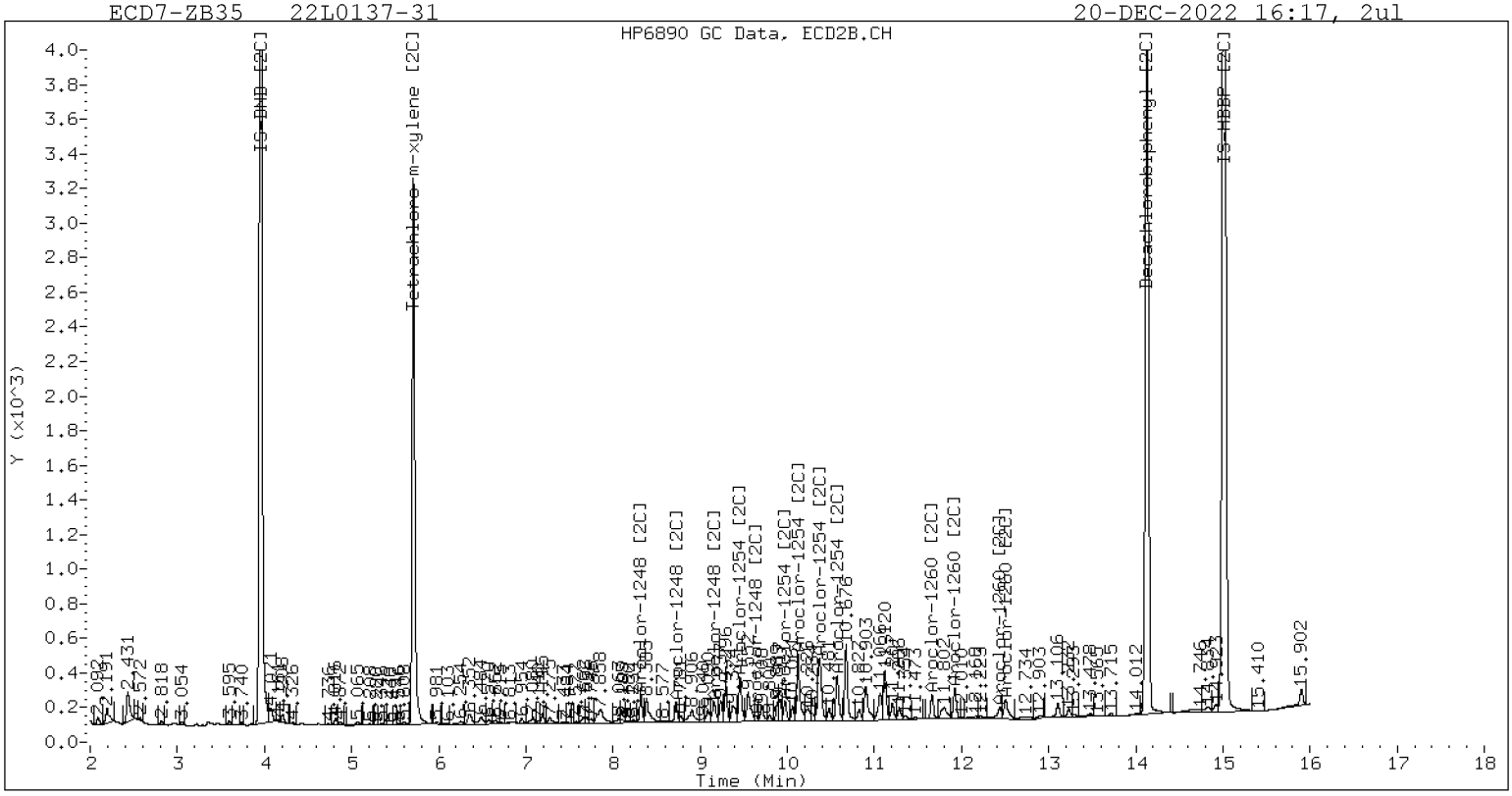
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-31 20-DEC-2022 16:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-31 20-DEC-2022 16:17, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC785A-FD

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-32 B	File ID:	12202212ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 16:39
% Solids:	52.17	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.96 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	20.6	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	24.6	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	37.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0000*	*8.55*	*107*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0000*	*6.19*	*77.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202212ECD7.D
Data file 2: /221220.b/221220.b/12202212ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-32
Client ID:
Injection Date: 20-DEC-2022 16:39
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	209373	5.709	-0.005	127843	31.0	33.6	8.2	Tetrachloro-m-xylene
13.897	-0.011	183110	14.128	-0.009	172188	42.7	37.6	12.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	477295	6.6
Hexabromobiphenyl	798898	467360	-41.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	277585	11.4
Hexabromobiphenyl	362541	322495	-11.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.014	24499	119.4	1	8.318	-0.009	16241	143.2
Aroclor-1248	2	8.582	-0.023	21016	80.2	2	8.723	-0.010	12677	106.3
Aroclor-1248	3	9.000	-0.022	51768	109.8	3	9.155	-0.022	18542	127.8
Aroclor-1248	4	9.301	-0.010	54778	237.2	4	9.549	-0.053	30649	180.0
		Total Col1Ave (4 peaks):			136.7	Total Col2Ave (4 peaks):				139.3 RPD = 2
		Corrected Ave (3 peaks):			103.1	Corrected Ave (3 peaks):				125.8 RPD = 20
Aroclor-1254	1	9.301	-0.020	54778	130.3	1	9.454	-0.013	31484	175.9
Aroclor-1254	2	9.422	0.020	5575	34.1	2	9.973	-0.014	14718	102.3
Aroclor-1254	3	9.677	-0.018	46278	174.4	3	10.121	-0.019	54499	176.2
Aroclor-1254	4	9.802	-0.029	79468	153.6	4	10.370	-0.019	66519	207.7
Aroclor-1254	5	10.134	-0.055	99547	280.7	5	10.569	-0.017	49676	321.6
		Total Col1Ave (5 peaks):			154.6	Total Col2Ave (5 peaks):				196.7 RPD = 24
		Corrected Ave (4 peaks):			123.1	Corrected Ave (4 peaks):				165.5 RPD = 29
Aroclor-1260	1	11.047	-0.015	34223	201.2	1	11.659	-0.011	27012	158.7
Aroclor-1260	2	11.361	-0.016	27270	155.0	2	11.918	-0.014	56079	131.3
Aroclor-1260	3	11.730	-0.022	81125	175.5	3	12.438	-0.013	25452	223.8
Aroclor-1260	4	12.131	-0.027	41034	174.3	4	12.502	-0.015	45082	158.3
Aroclor-1260	5	12.247	-0.014	22377	232.2	NS	---			----
		Total Col1Ave (5 peaks):			187.6	Total Col2Ave (4 peaks):				168.0 RPD = 11
		Corrected Ave (4 peaks):			176.5	Corrected Ave (3 peaks):				149.4 RPD = 17
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 1740043 Col1 Total PCB = 0.3 ppm*

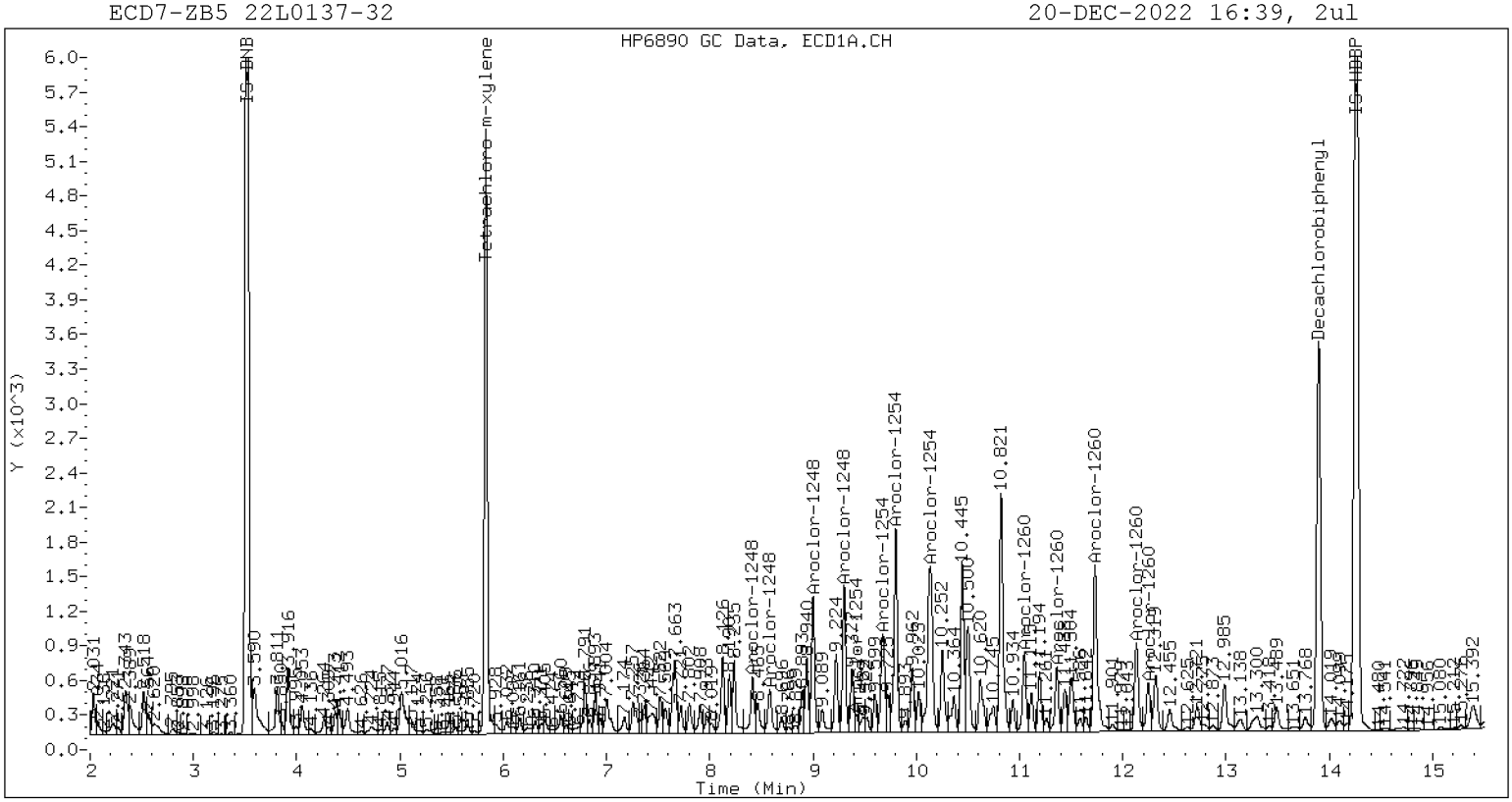
Total PCB Area Col2 (5.936 - 13.808) = 1092259 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

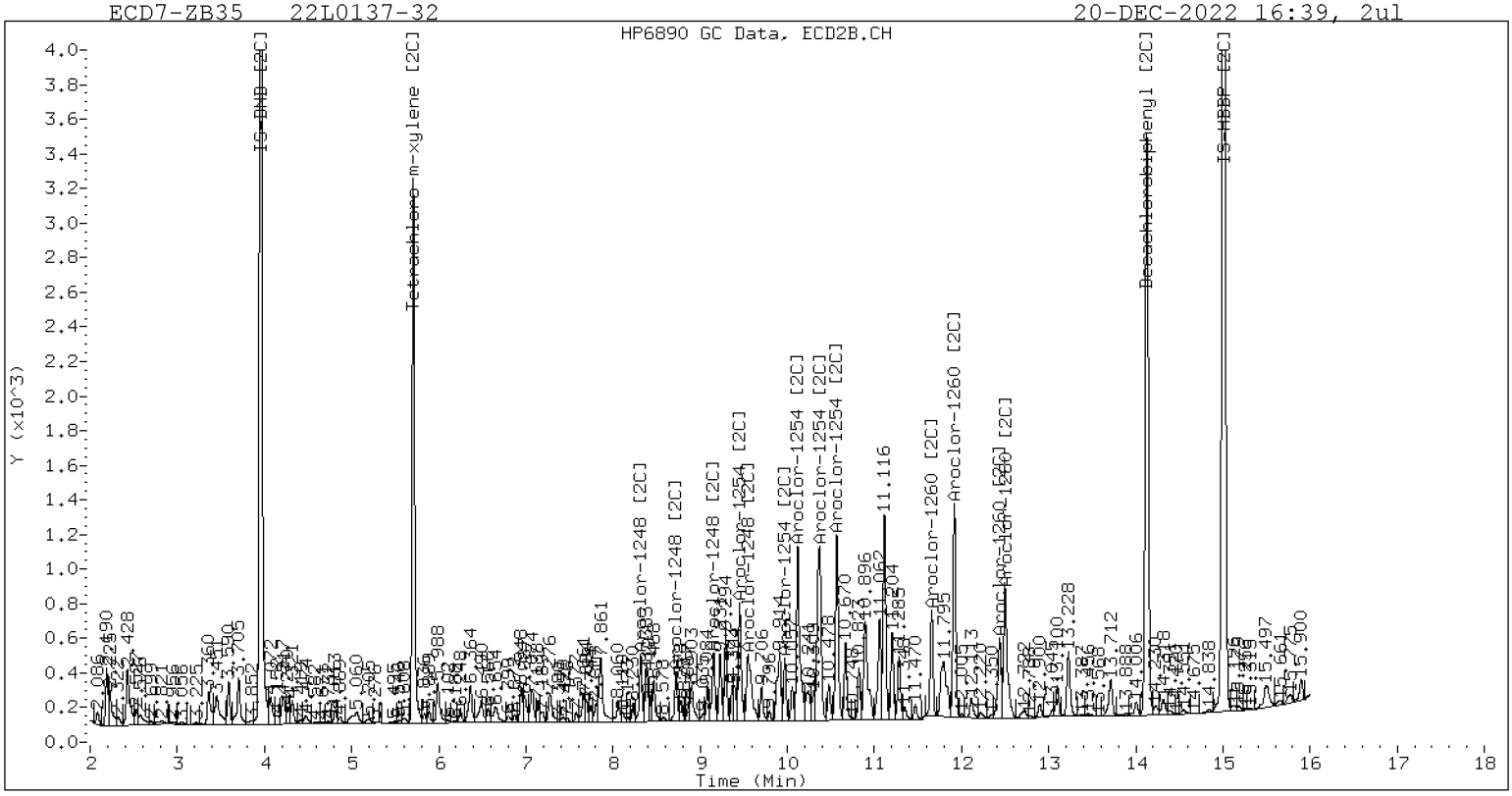
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-32 20-DEC-2022 16:39, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-32 20-DEC-2022 16:39, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776A

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-33 B	File ID:	12202213ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 17:00
% Solids:	71.08	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.59 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	8.9	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	11.5	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	13.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9981*	*8.89*	*111*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9981*	*7.10*	*88.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202213ECD7.D
Data file 2: /221220.b/221220.b/12202213ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-33
Client ID:
Injection Date: 20-DEC-2022 17:00
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	235611	5.709	-0.005	140021	35.5	36.5	2.9	Tetrachloro-m-xylene
13.898	-0.010	201015	14.128	-0.009	186015	44.5	39.3	12.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	468507	4.7
Hexabromobiphenyl	798898	493090	-38.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	279606	12.2
Hexabromobiphenyl	362541	333373	-8.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	11161	55.4	1	8.317	-0.009	6601	57.8
Aroclor-1248	2	8.583	-0.021	9549	37.1	2	8.723	-0.010	4670	38.9
Aroclor-1248	3	9.002	-0.020	19010	41.1	3	9.156	-0.021	6970	47.7
Aroclor-1248	4	9.302	-0.009	21768	96.0	4	9.550	-0.052	12989	75.7
		Total Col1Ave (4 peaks):			57.4		Total Col2Ave (4 peaks):			55.0 RPD = 4
		Corrected Ave (3 peaks):			44.5		Corrected Ave (3 peaks):			48.1 RPD = 8
Aroclor-1254	1	9.302	-0.019	21768	52.8	1	9.455	-0.012	13475	74.7
Aroclor-1254	2	9.423	0.022	4161	25.9	2	9.973	-0.014	6303	43.5
Aroclor-1254	3	9.680	-0.014	21778	83.6	3	10.120	-0.019	19555	62.8
Aroclor-1254	4	9.804	-0.027	34723	68.4	4	10.368	-0.021	26201	81.2
Aroclor-1254	5	10.133	-0.056	38751	111.3	5	10.570	-0.016	19394	124.6
		Total Col1Ave (5 peaks):			68.4		Total Col2Ave (5 peaks):			77.4 RPD = 12
		Corrected Ave (4 peaks):			57.7		Corrected Ave (4 peaks):			65.6 RPD = 13
Aroclor-1260	1	11.047	-0.015	13345	74.4	1	11.659	-0.010	9373	53.3
Aroclor-1260	2	11.360	-0.018	10064	54.2	2	11.919	-0.014	18216	41.3
Aroclor-1260	3	11.731	-0.021	31434	64.4	3	12.437	-0.014	10254	87.2
Aroclor-1260	4	12.132	-0.026	15128	60.9	4	12.502	-0.015	15288	51.9
Aroclor-1260	5	12.246	-0.015	8500	83.6	NS	---			----
		Total Col1Ave (5 peaks):			67.5		Total Col2Ave (4 peaks):			58.4 RPD = 14
		Corrected Ave (4 peaks):			63.5		Corrected Ave (3 peaks):			48.8 RPD = 26
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 845239 Col1 Total PCB = 0.2 ppm*

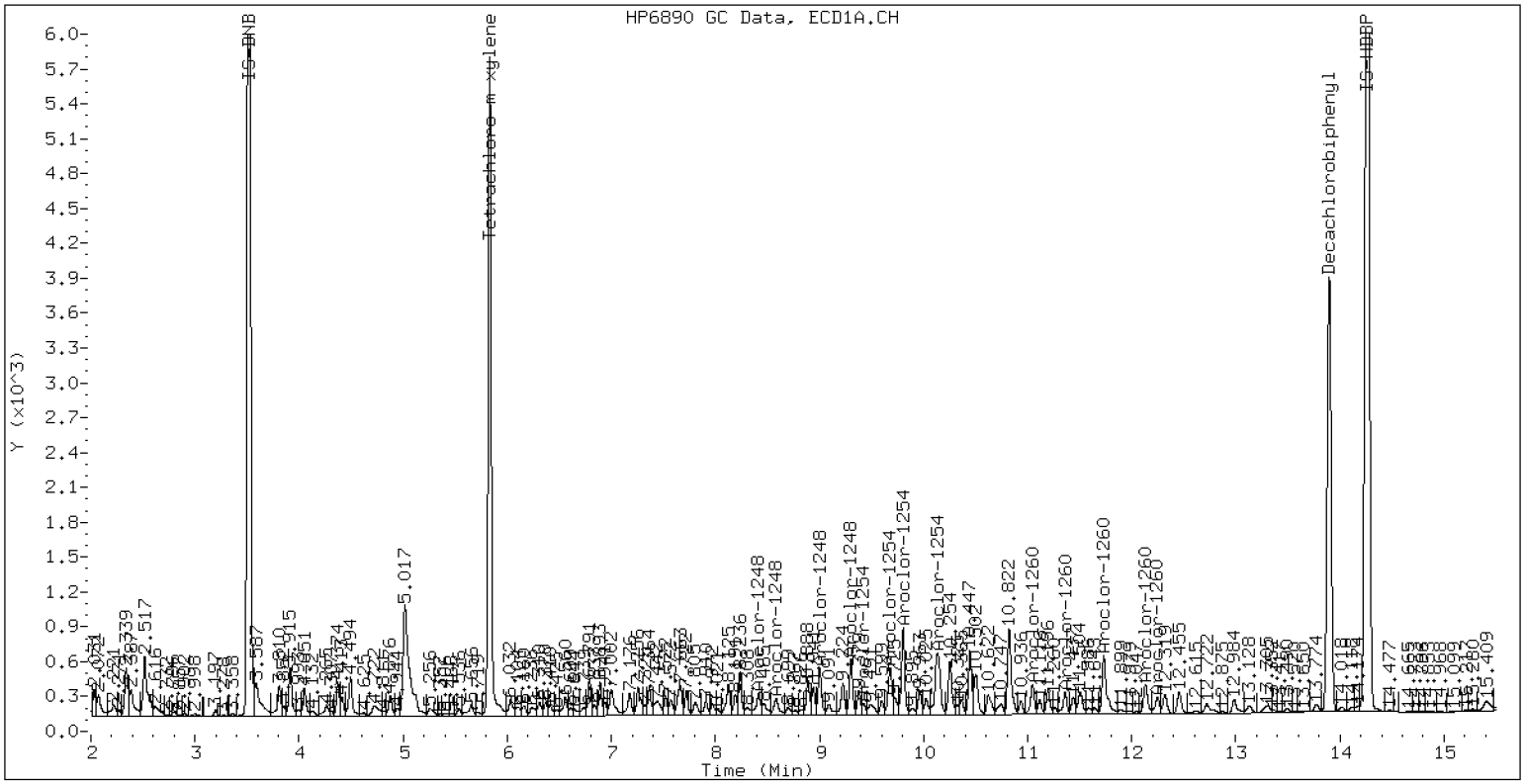
Total PCB Area Col2 (5.936 - 13.808) = 523742 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

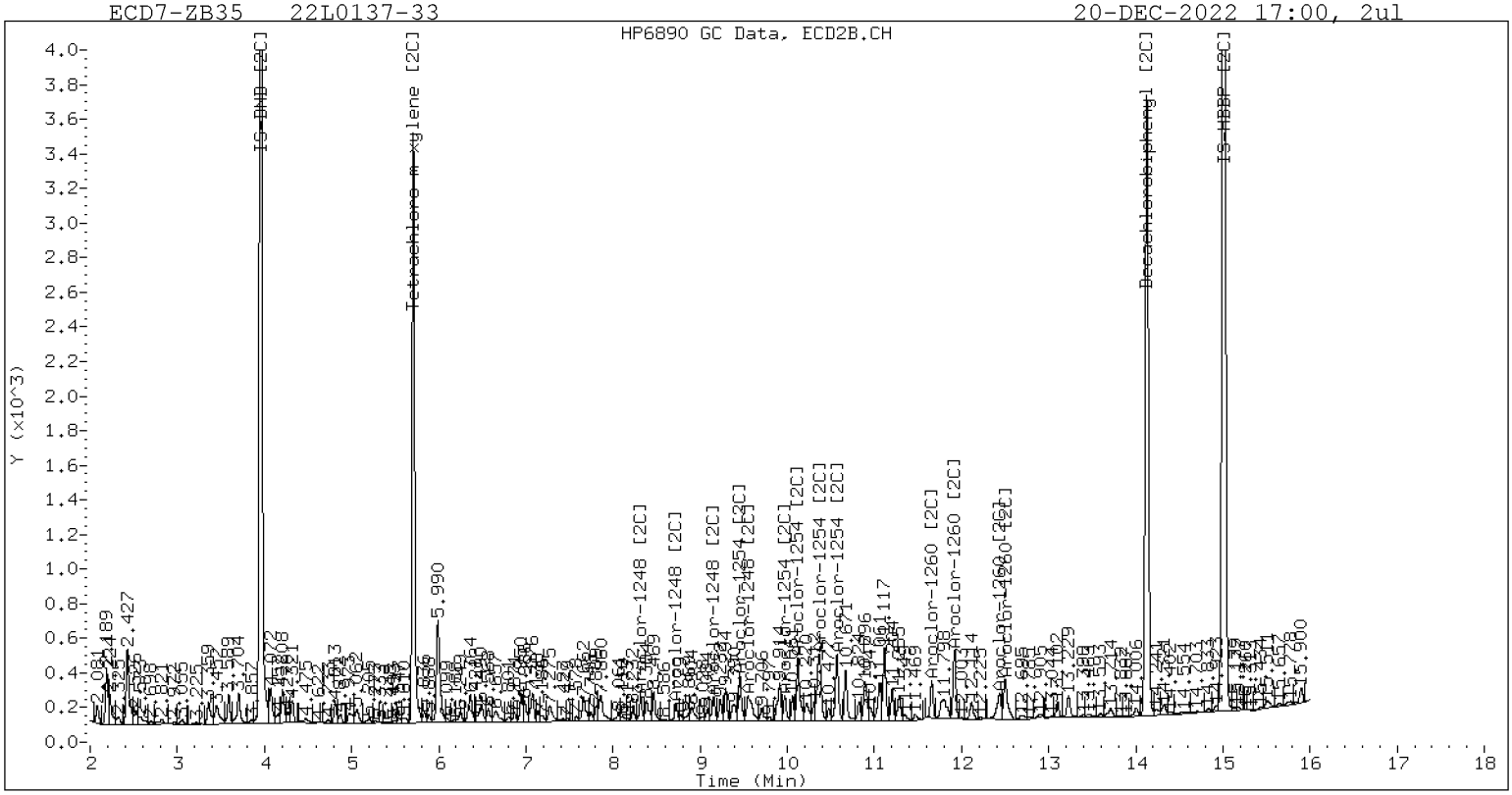
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-33 20-DEC-2022 17:00, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-33 20-DEC-2022 17:00, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776B

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-34 B	File ID:	12222211ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:23
% Solids:	63.59	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.67 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	24.2	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	32.6	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	34.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9948*	*6.60*	*82.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9948*	*4.74*	*59.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222211ECD7.D
Data file 2: /221222.b/221222.b/12222211ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-34
Client ID:
Injection Date: 22-DEC-2022 19:23
Report Date: 12/27/2022 17:46
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	160196	5.706	-0.008	98688	23.7	26.7	11.9	Tetrachloro-m-xylene
13.898	-0.006	160805	14.127	-0.010	138167	33.0	28.8	13.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	476757	6.5
Hexabromobiphenyl	798898	531435	-33.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	269605	8.2
Hexabromobiphenyl	362541	337758	-6.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.411	-0.016	26825	130.9	1	8.315	-0.011	35548	322.8
Aroclor-1248	2	8.580	-0.025	20576	78.6	2	8.720	-0.012	14771	127.5
Aroclor-1248	3	9.000	-0.023	72859	154.7	3	9.153	-0.024	19756	140.2
Aroclor-1248	4	9.301	-0.011	65016	281.9	4	9.630	0.028	3666	22.2
		Total Col1Ave (4 peaks):			161.5		Total Col2Ave (4 peaks):			153.2 RPD = 5
		Corrected Ave (3 peaks):			121.4		Corrected Ave (3 peaks):			96.6 RPD = 23
Aroclor-1254	1	9.301	-0.021	65016	154.9	1	9.453	-0.014	38656	222.4
Aroclor-1254	2	9.419	0.017	2281	14.0	2	9.971	-0.015	15780	112.9
Aroclor-1254	3	9.671	-0.023	39995	150.9	3	10.119	-0.020	68797	229.0
Aroclor-1254	4	9.801	-0.029	91929	177.9	4	10.370	-0.019	79172	254.5
Aroclor-1254	5	10.126	-0.063	59899	169.1	5	10.568	-0.018	59009	393.3
		Total Col1Ave (5 peaks):			133.3		Total Col2Ave (5 peaks):			242.4 RPD = 58*
		Corrected Ave (4 peaks):			122.2		Corrected Ave (4 peaks):			204.7 RPD = 50*
Aroclor-1260	1	11.046	-0.009	39010	201.7	1	11.657	-0.012	31328	175.7
Aroclor-1260	2	11.361	-0.012	30837	154.1	2	11.917	-0.015	66522	148.7
Aroclor-1260	3	11.731	-0.015	89120	169.5	3	12.434	-0.017	34289	287.8
Aroclor-1260	4	12.133	-0.015	46998	175.6	4	12.501	-0.016	46320	155.3
Aroclor-1260	5	12.246	-0.012	17545	160.1	NS	---			----
		Total Col1Ave (5 peaks):			172.2		Total Col2Ave (4 peaks):			191.9 RPD = 11
		Corrected Ave (4 peaks):			164.8		Corrected Ave (3 peaks):			159.9 RPD = 3
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1833141 Col1 Total PCB = 0.4 ppm*

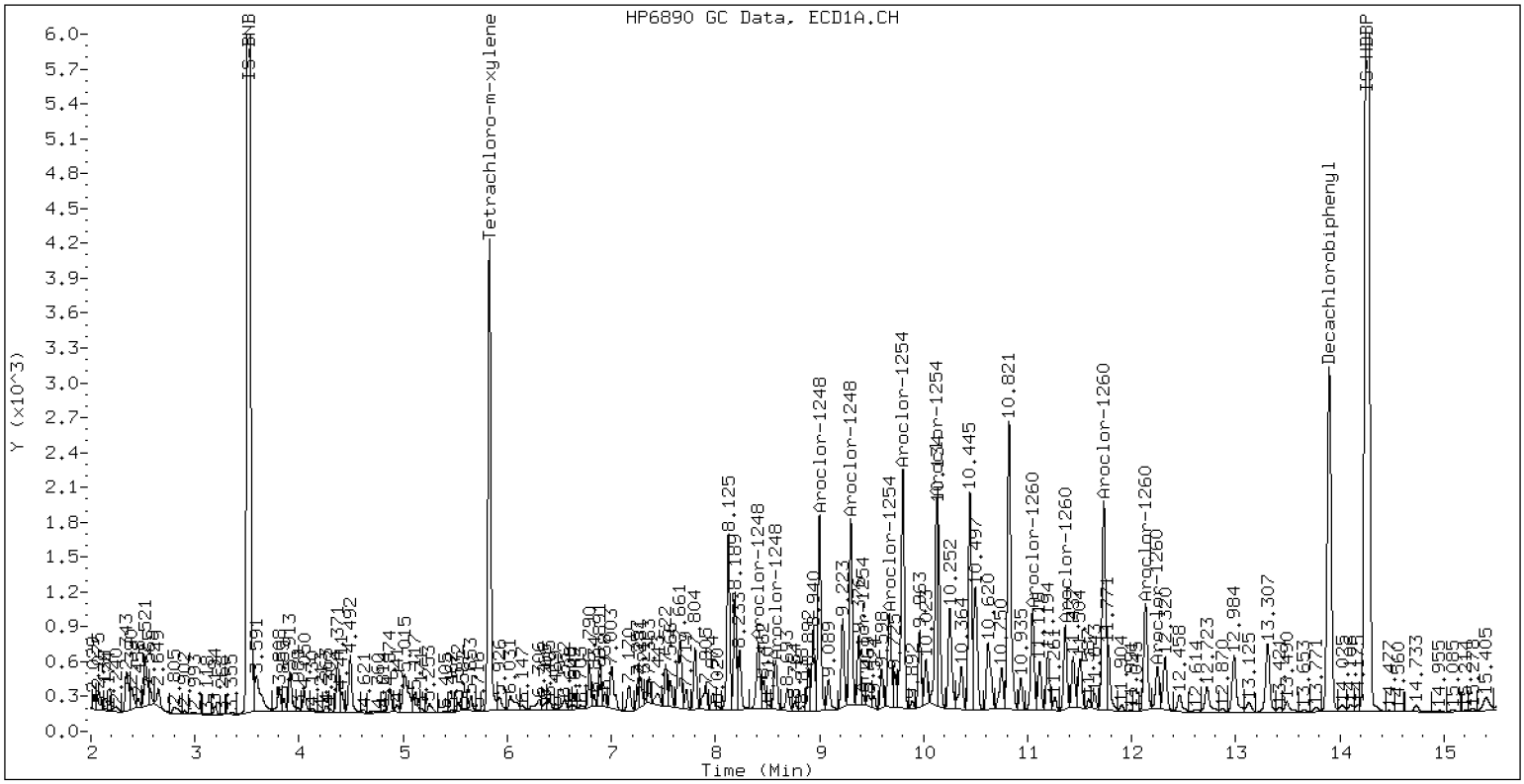
Total PCB Area Col2 (5.813 - 14.037) = 1269417 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

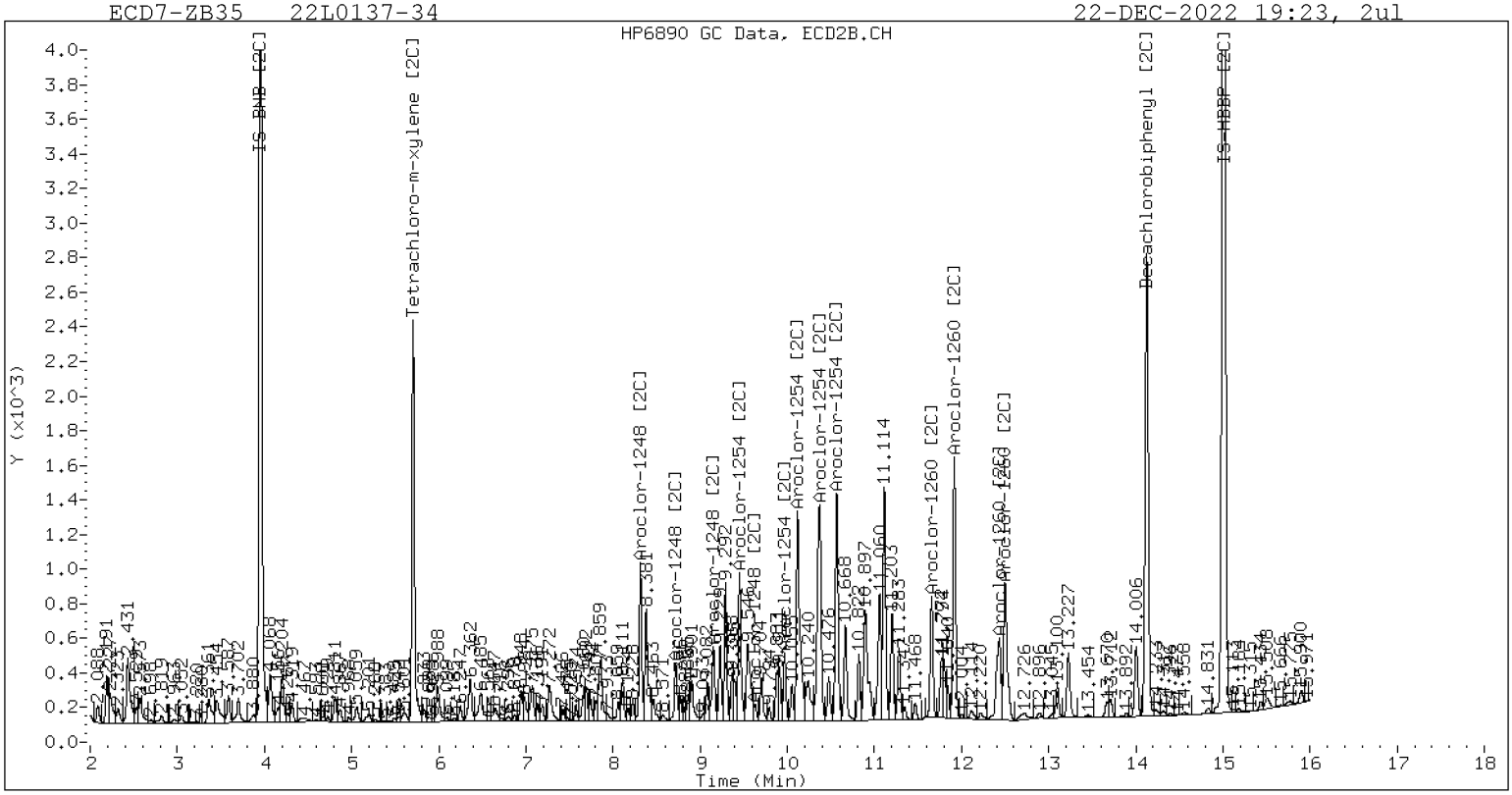
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-34 22-DEC-2022 19:23, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-34 22-DEC-2022 19:23, 2ul

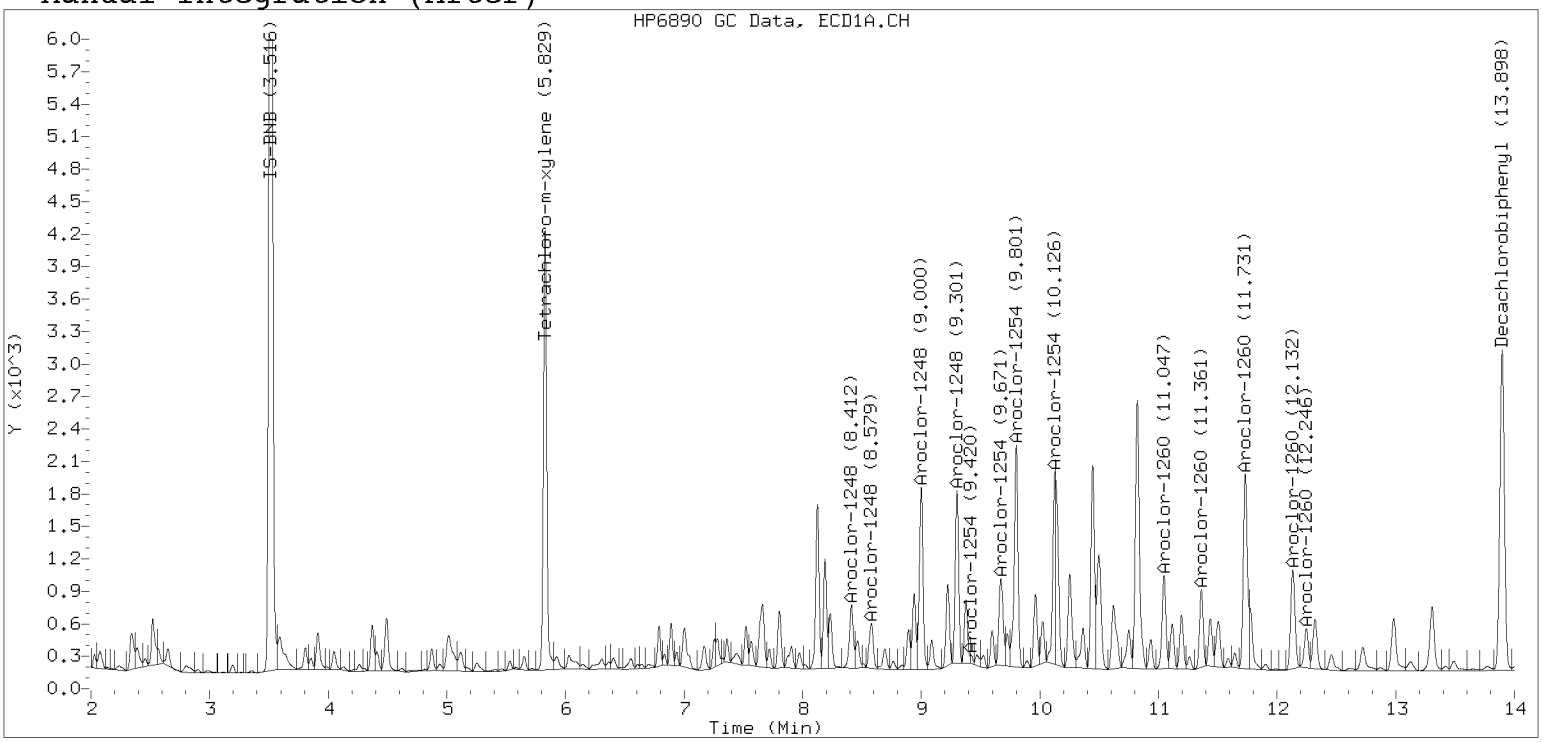


ZB-35 Manual Integration: NO

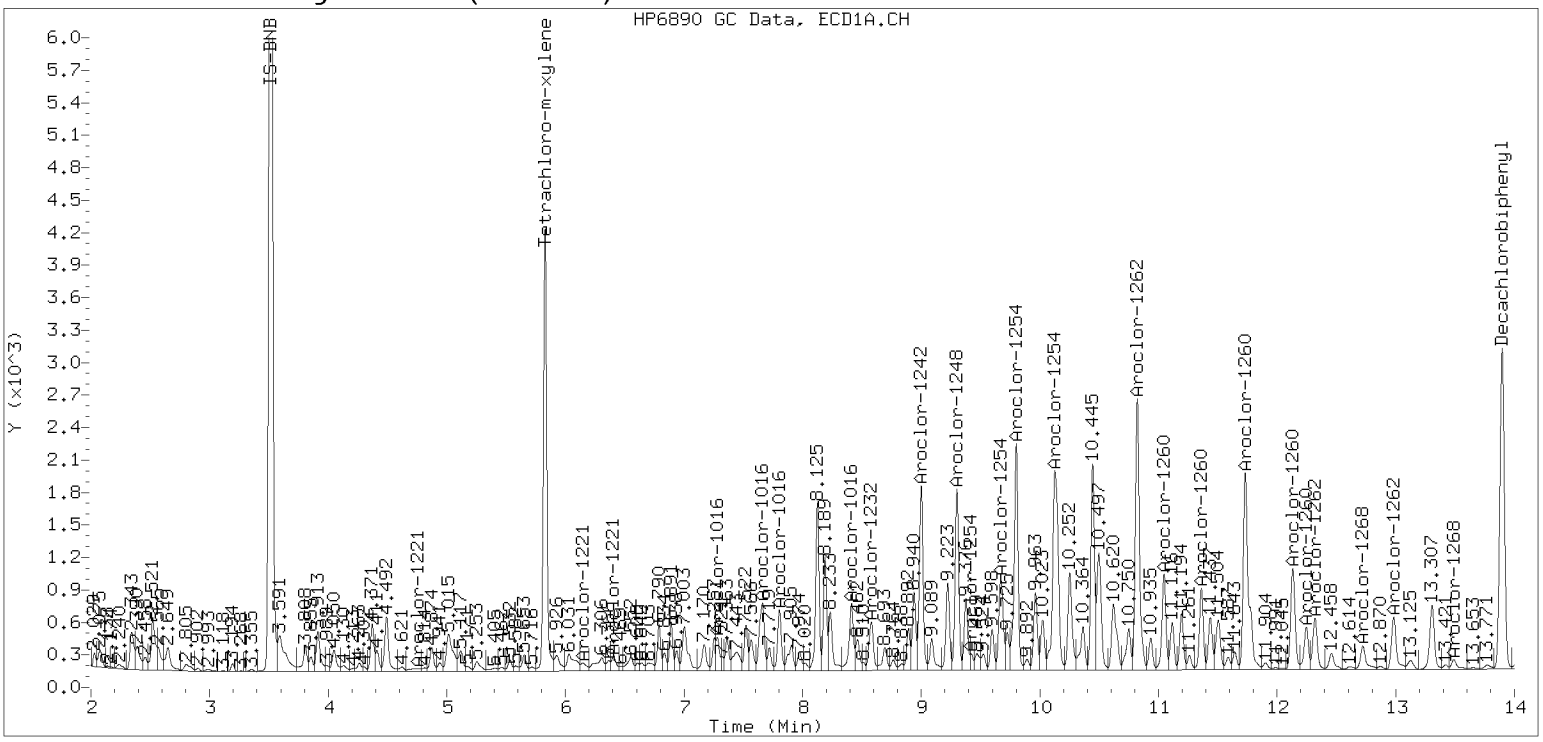
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222211ECD7.D Injection Date: 22-DEC-2022 19:23

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-35 B	File ID:	12202217ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 18:25
% Solids:	61.76	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.3 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	570	1.6	4.0	E
11097-69-1	Aroclor 1254	1	1	403	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	169	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9762*	*8.71*	*109*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9762*	*5.43*	*68.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202217ECD7.D
Data file 2: /221220.b/221220.b/12202217ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-35
Client ID:
Injection Date: 20-DEC-2022 18:25
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	181015	5.706	-0.007	109350	27.2	30.6	11.5	Tetrachloro-m-xylene
13.897	-0.011	160430	14.127	-0.010	160430	43.7	38.5	12.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	468997	4.8
Hexabromobiphenyl	798898	400736	-49.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	261002	4.8
Hexabromobiphenyl	362541	293806	-19.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	589298	2922.4	1	8.317	-0.009	567848	5325.6
Aroclor-1248	2	8.580	-0.024	725299	2817.1	2	8.721	-0.011	431105	3844.2
Aroclor-1248	3	8.998	-0.024	1310289	2829.0	3	9.153	-0.025	394868	2894.7
Aroclor-1248	4	9.302	-0.009	784216	3456.1	4	9.632	0.029	41923	261.8
		Total Col1Ave (4 peaks):			3006.1		Total Col2Ave (4 peaks):			3081.6 RPD = 2
		Corrected Ave (3 peaks):			2856.2		Corrected Ave (3 peaks):			2333.6 RPD = 20
Aroclor-1254	1	9.302	-0.019	784216	1899.1	1	9.453	-0.014	363750	2161.6
Aroclor-1254	2	9.375	-0.026	345465	2151.2	2	9.971	-0.016	175327	1295.9
Aroclor-1254	3	9.669	-0.025	436481	1673.5	3	10.121	-0.019	810305	2786.4
Aroclor-1254	4	9.803	-0.028	1198004	2356.5	4	10.356	-0.033	759233	2520.9
Aroclor-1254	5	10.142	-0.047	1033094	2964.5	5	10.568	-0.018	356808	2456.4
		Total Col1Ave (5 peaks):			2209.0		Total Col2Ave (5 peaks):			2244.2 RPD = 2
		Corrected Ave (4 peaks):			2020.1		Corrected Ave (4 peaks):			2108.7 RPD = 4
Aroclor-1260	1	11.046	-0.016	148844	1020.4	1	11.658	-0.011	191288	1233.4
Aroclor-1260	2	11.361	-0.016	121216	803.5	2	11.919	-0.014	279588	718.4
Aroclor-1260	3	11.731	-0.021	315369	795.6	3	12.438	-0.013	84912	819.4
Aroclor-1260	4	12.131	-0.028	197329	977.5	4	12.501	-0.015	196377	757.0
Aroclor-1260	5	12.247	-0.015	67788	820.3	NS	---			----
		Total Col1Ave (5 peaks):			883.4		Total Col2Ave (4 peaks):			882.1 RPD = 0
		Corrected Ave (4 peaks):			849.2		Corrected Ave (3 peaks):			764.9 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 21145399 Col1 Total PCB = 3.9 ppm*

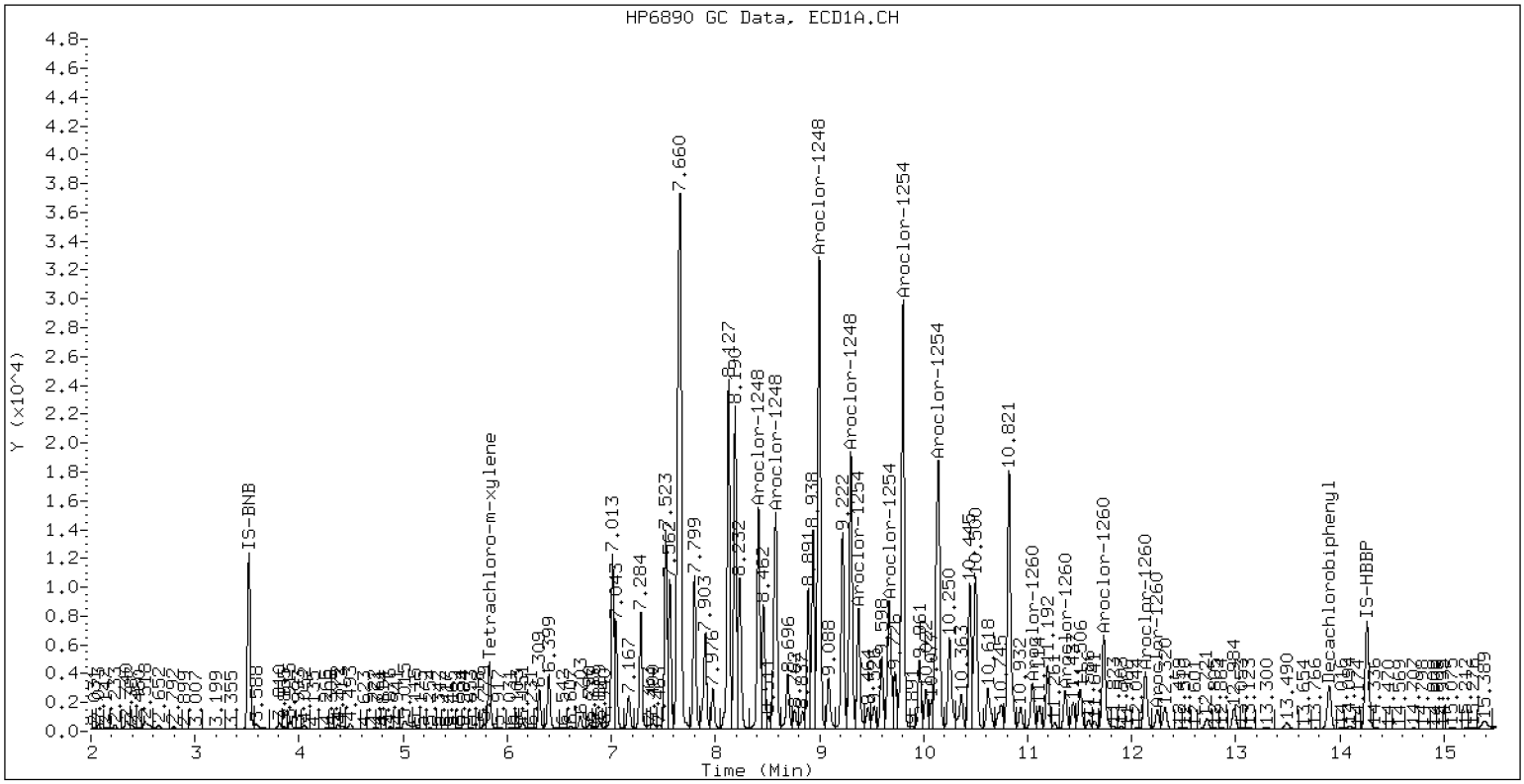
Total PCB Area Col2 (5.936 - 13.808) = 13599899 Col2 Total PCB = 7.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

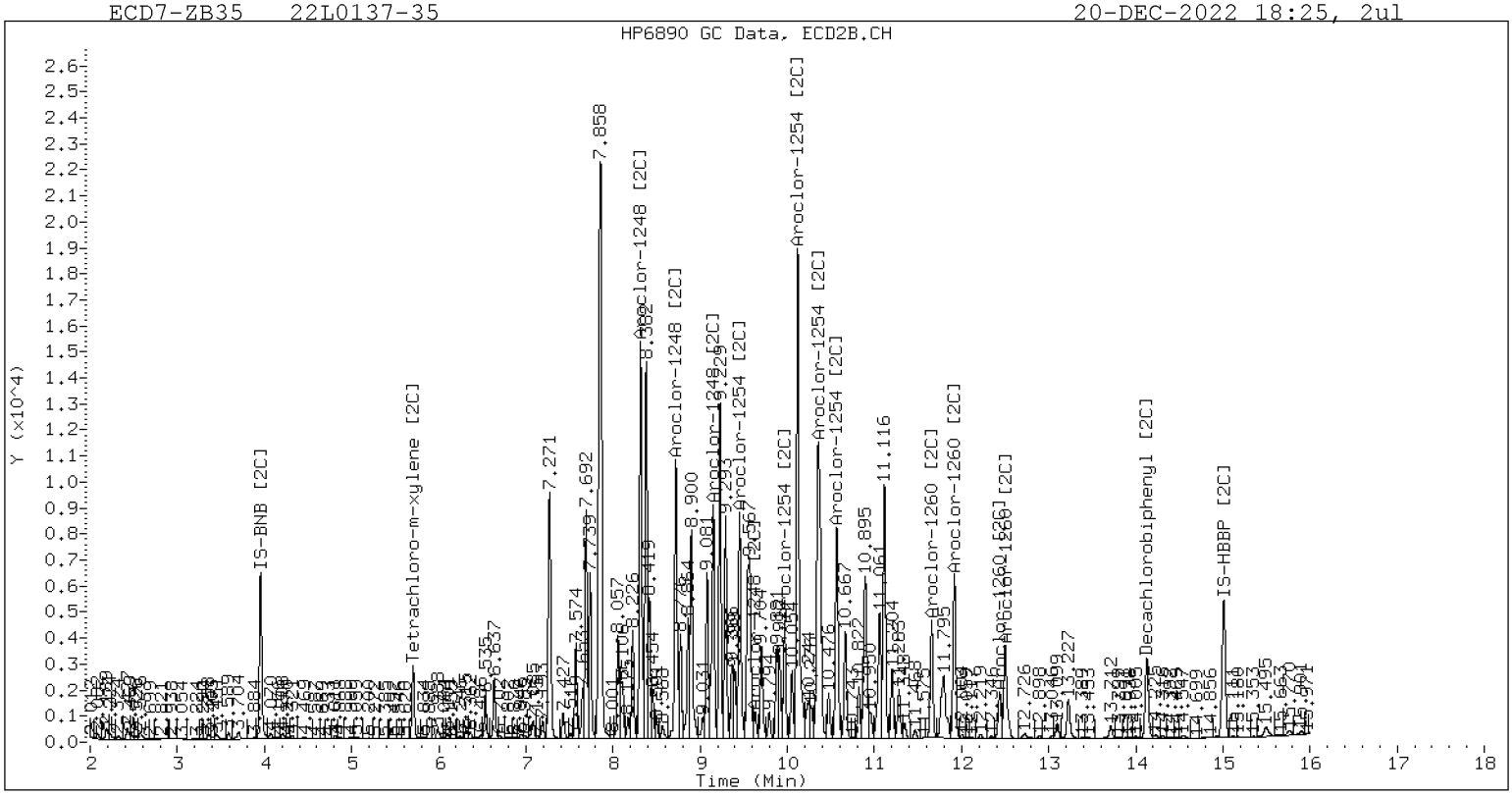
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-35 20-DEC-2022 18:25, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-35 20-DEC-2022 18:25, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-35RE1 B	File ID:	12222212ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:44
% Solids:	61.76	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.3 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	631	7.8	19.9	D
11097-69-1	Aroclor 1254	1	5	444	7.8	19.9	D
11096-82-5	Aroclor 1260	1	5	157	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9762*	*8.00*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9762*	*5.67*	*71.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222212ECD7.D
Data file 2: /221222.b/221222.b/12222212ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-35RE1
Client ID:
Injection Date: 22-DEC-2022 19:44
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.003	40474	5.707	-0.007	24587	5.7	6.4	11.6	Tetrachloro-m-xylene
13.897	-0.007	46843	14.128	-0.009	36835	8.0	6.8	17.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	502031	12.1
Hexabromobiphenyl	798898	636983	-20.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	280687	12.7
Hexabromobiphenyl	362541	383736	5.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	144048	667.3	1	8.317	-0.010	126171	1100.3
Aroclor-1248	2	8.581	-0.024	179451	651.1	2	8.722	-0.010	93168	772.5
Aroclor-1248	3	8.999	-0.023	287944	580.8	3	9.155	-0.022	92615	631.3
Aroclor-1248	4	9.302	-0.009	196282	808.1	4	9.632	0.030	11728	68.1
		Total Col1Ave (4 peaks):			676.8		Total Col2Ave (4 peaks):			643.1 RPD = 5
		Corrected Ave (3 peaks):			633.1		Corrected Ave (3 peaks):			490.6 RPD = 25
Aroclor-1254	1	9.302	-0.019	196282	444.1	1	9.454	-0.013	87727	484.8
Aroclor-1254	2	9.377	-0.025	93672	544.9	2	9.972	-0.015	42172	289.8
Aroclor-1254	3	9.671	-0.023	112274	402.2	3	10.120	-0.019	181733	581.1
Aroclor-1254	4	9.803	-0.028	290392	533.6	4	10.362	-0.027	178976	552.6
Aroclor-1254	5	10.139	-0.050	149533	400.9	5	10.569	-0.017	86116	551.3
		Total Col1Ave (5 peaks):			465.1		Total Col2Ave (5 peaks):			491.9 RPD = 6
		Corrected Ave (4 peaks):			445.2		Corrected Ave (4 peaks):			469.6 RPD = 5
Aroclor-1260	1	11.047	-0.009	42625	183.8	1	11.658	-0.011	45958	226.9
Aroclor-1260	2	11.362	-0.011	33923	141.5	2	11.919	-0.014	65590	129.0
Aroclor-1260	3	11.732	-0.014	90798	144.1	3	12.439	-0.012	21439	158.4
Aroclor-1260	4	12.133	-0.015	55172	171.9	4	12.502	-0.015	46463	137.1
Aroclor-1260	5	12.248	-0.011	19420	147.8	NS	---			----
		Total Col1Ave (5 peaks):			157.8		Total Col2Ave (4 peaks):			162.9 RPD = 3
		Corrected Ave (4 peaks):			151.3		Corrected Ave (3 peaks):			141.5 RPD = 7
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 5247324 Col1 Total PCB = 1.1 ppm*

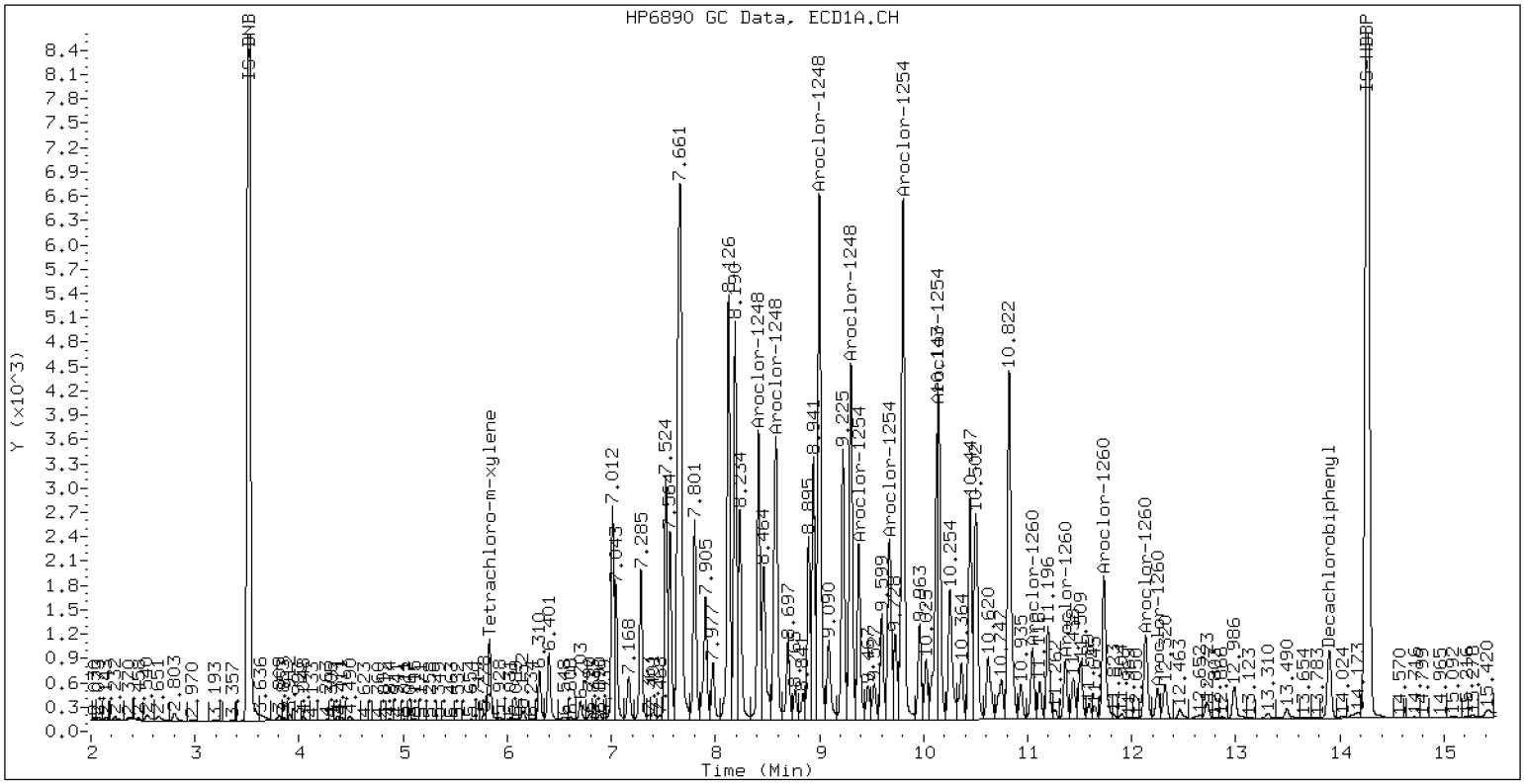
Total PCB Area Col2 (5.813 - 14.037) = 3164479 Col2 Total PCB = 1.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

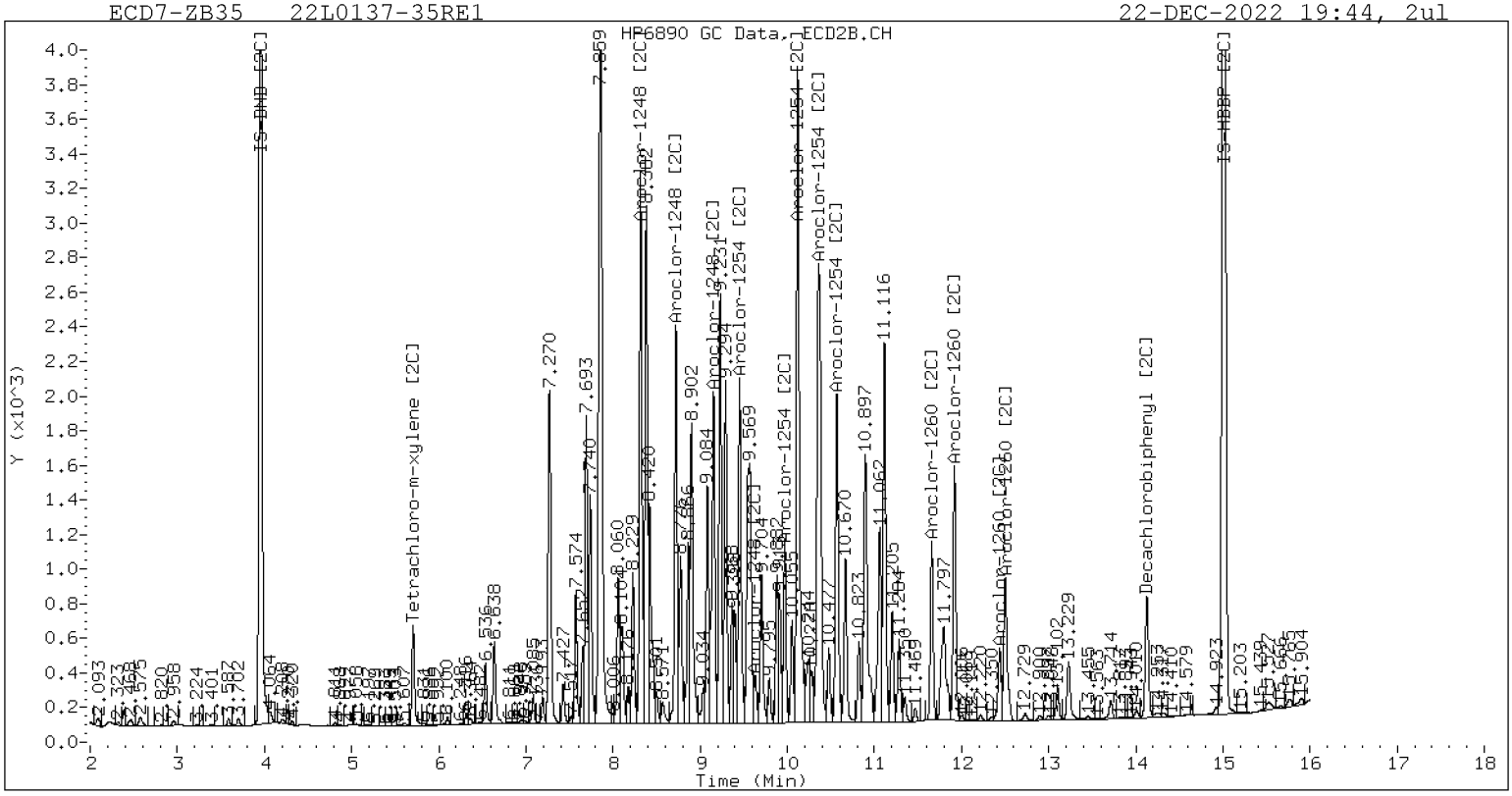
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-35RE1 22-DEC-2022 19:44, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-35RE1 22-DEC-2022 19:44, 2ul

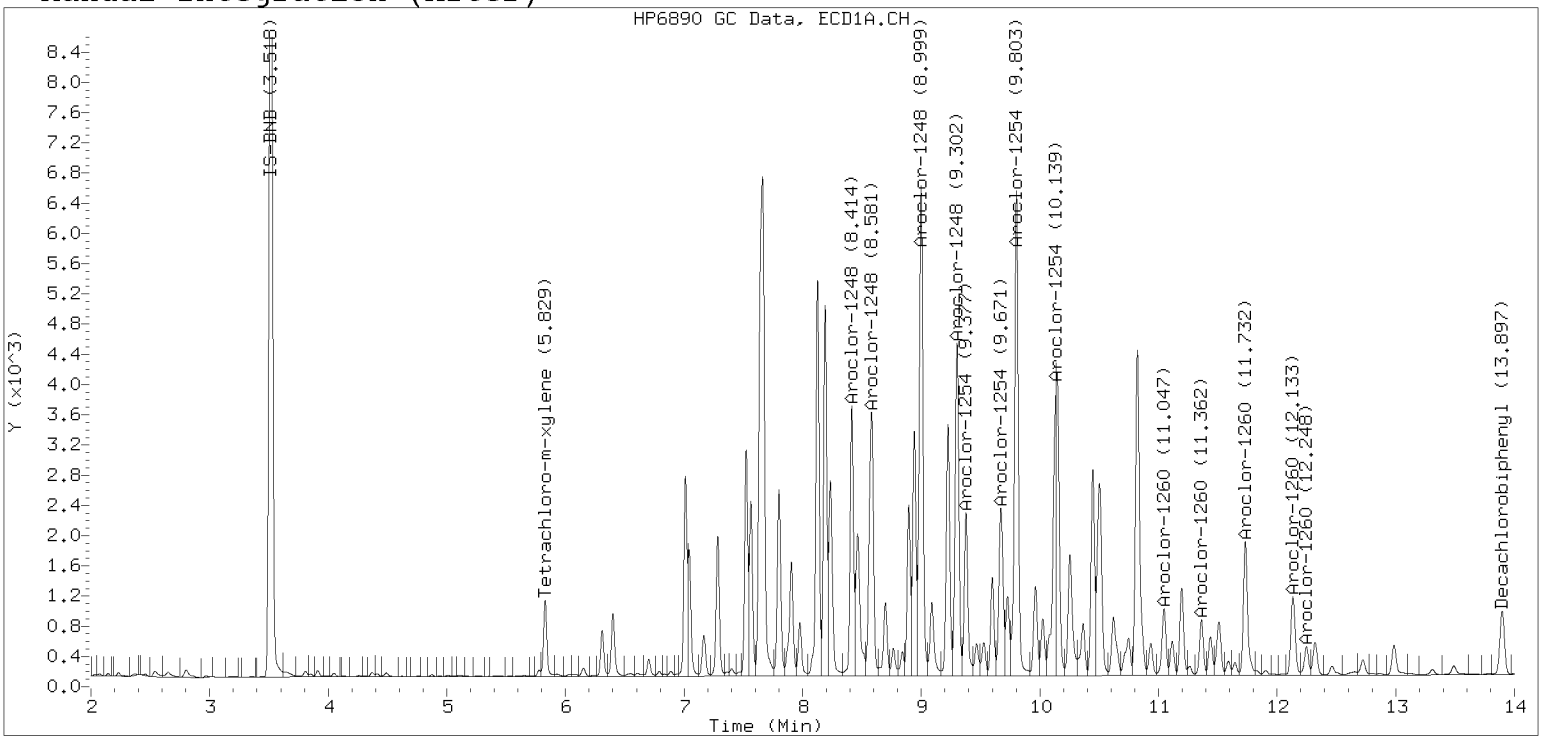


ZB-35 Manual Integration: NO

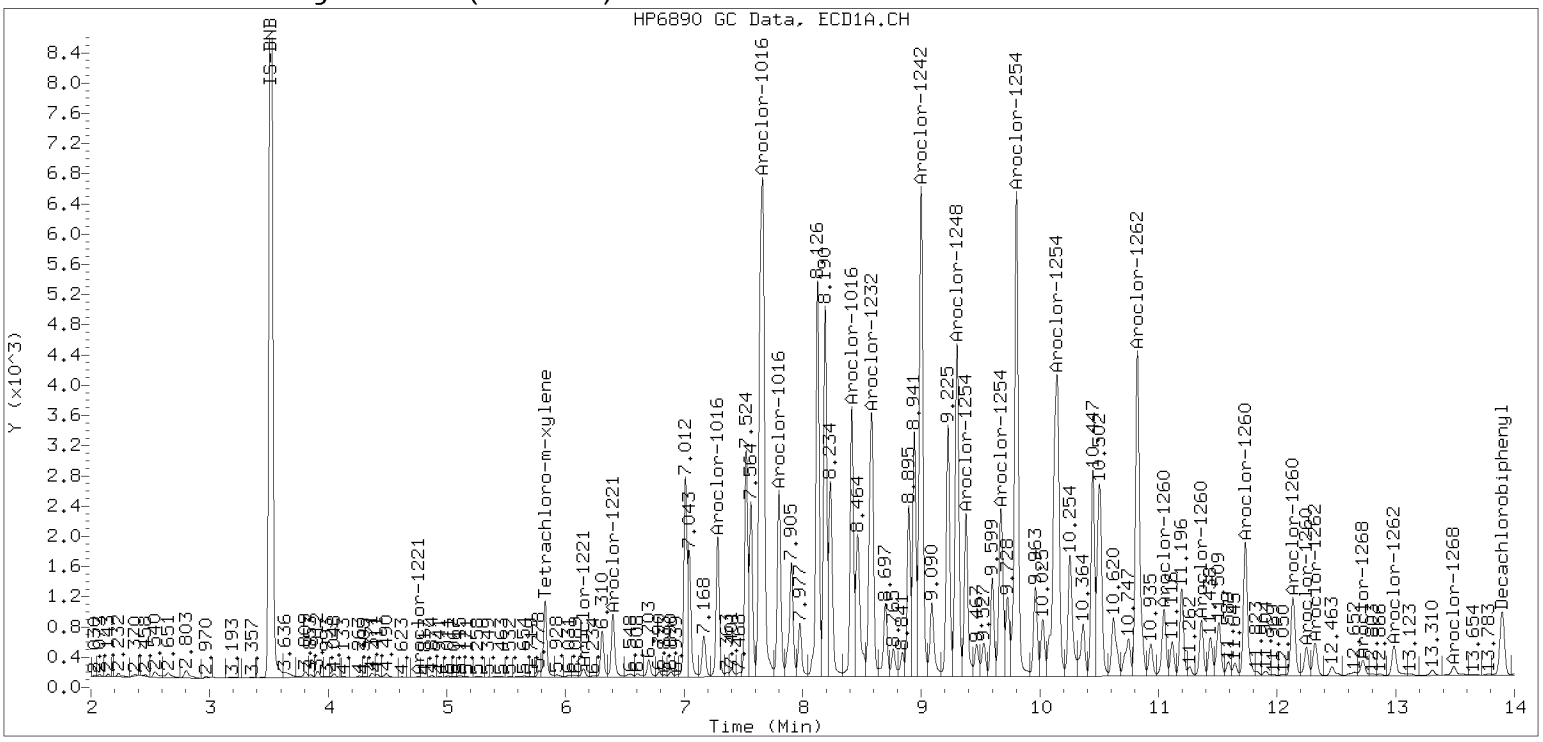
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222212ECD7.D Injection Date: 22-DEC-2022 19:44

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-36 B	File ID:	12202218ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 18:46
% Solids:	61.78	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.24 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	762	1.6	4.0	E
11097-69-1	Aroclor 1254	1	1	531	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	170	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9973*	*8.13*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9973*	*4.89*	*61.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202218ECD7.D
Data file 2: /221220.b/221220.b/12202218ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-36
Client ID:
Injection Date: 20-DEC-2022 18:46
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	157504	5.706	-0.008	98148	24.4	27.9	13.2	Tetrachloro-m-xylene
13.897	-0.011	145078	14.127	-0.010	149651	40.7	36.6	10.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	454783	1.6
Hexabromobiphenyl	798898	389097	-51.3 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	256766	3.1
Hexabromobiphenyl	362541	288223	-20.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	747744	3824.0	1	8.317	-0.009	722029	6883.3
Aroclor-1248	2	8.580	-0.024	945025	3785.3	2	8.722	-0.011	556976	5048.5
Aroclor-1248	3	8.997	-0.025	1718995	3827.4	3	9.152	-0.025	502229	3742.4
Aroclor-1248	4	9.301	-0.010	985672	4479.7	4	9.632	0.030	48391	307.2
		Total Col1Ave (4 peaks):			3979.1		Total Col2Ave (4 peaks):			3995.4 RPD = 0
		Corrected Ave (3 peaks):			3812.2		Corrected Ave (3 peaks):			3032.7 RPD = 23
Aroclor-1254	1	9.301	-0.020	985672	2461.6	1	9.453	-0.014	462094	2791.3
Aroclor-1254	2	9.375	-0.026	450676	2894.0	2	9.971	-0.016	225015	1690.6
Aroclor-1254	3	9.668	-0.026	533562	2109.7	3	10.120	-0.019	1065128	3723.0
Aroclor-1254	4	9.802	-0.029	1557825	3160.0	4	10.355	-0.034	966704	3262.7
Aroclor-1254	5	10.142	-0.048	1264805	3742.8	5	10.569	-0.017	420513	2942.7
		Total Col1Ave (5 peaks):			2873.6		Total Col2Ave (5 peaks):			2882.1 RPD = 0
		Corrected Ave (4 peaks):			2656.3		Corrected Ave (4 peaks):			2671.8 RPD = 1
Aroclor-1260	1	11.045	-0.017	142166	1003.8	1	11.657	-0.012	222936	1465.3
Aroclor-1260	2	11.360	-0.018	121319	828.2	2	11.918	-0.015	280508	734.8
Aroclor-1260	3	11.730	-0.021	304634	791.5	3	12.438	-0.014	80557	792.4
Aroclor-1260	4	12.130	-0.028	197593	1008.1	4	12.501	-0.015	196761	773.2
Aroclor-1260	5	12.245	-0.016	62930	784.3	NS	---			----
		Total Col1Ave (5 peaks):			883.2		Total Col2Ave (4 peaks):			941.4 RPD = 6
		Corrected Ave (4 peaks):			851.9		Corrected Ave (3 peaks):			766.8 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 25742846 Col1 Total PCB = 4.9 ppm*

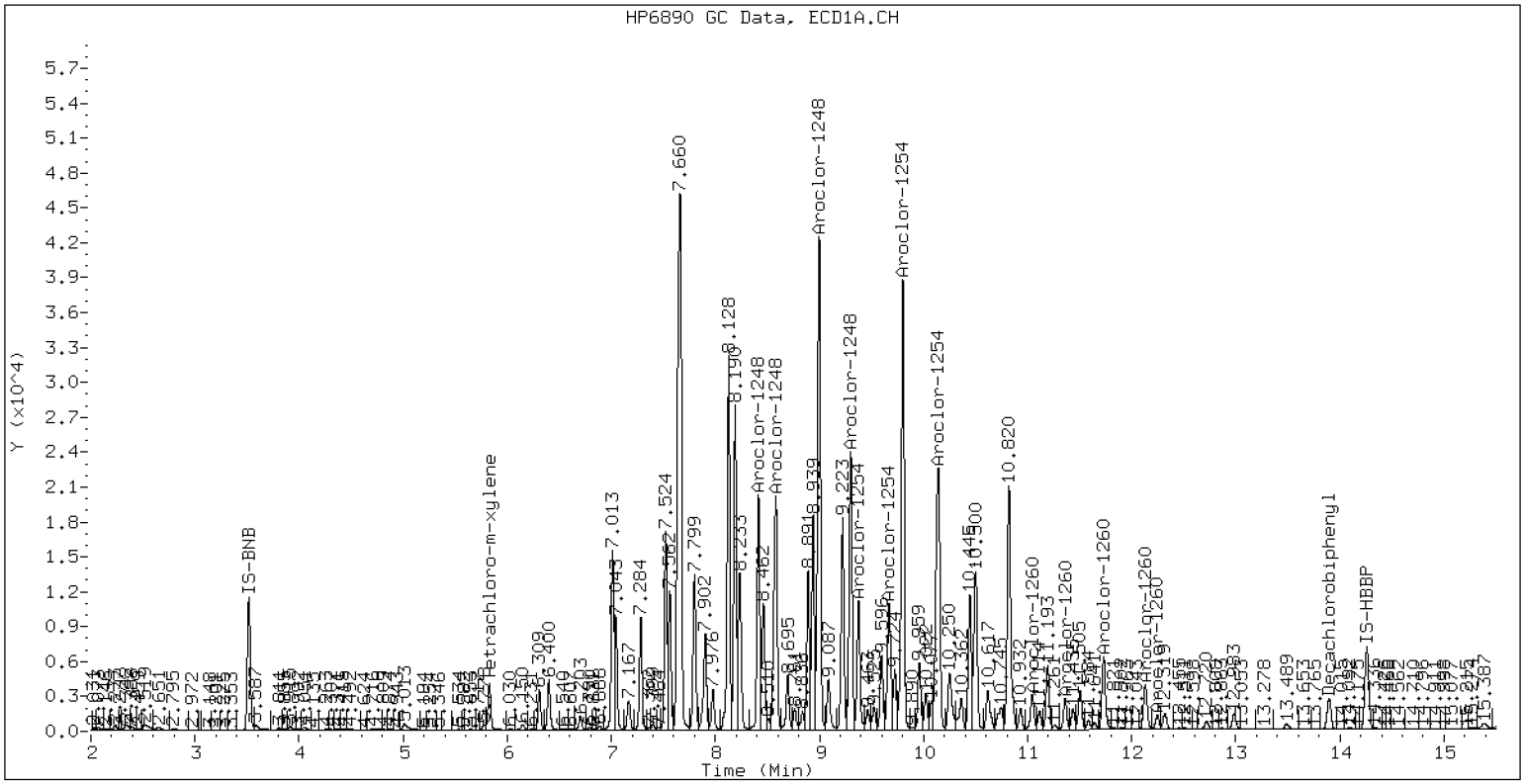
Total PCB Area Col2 (5.936 - 13.808) = 16862548 Col2 Total PCB = 9.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

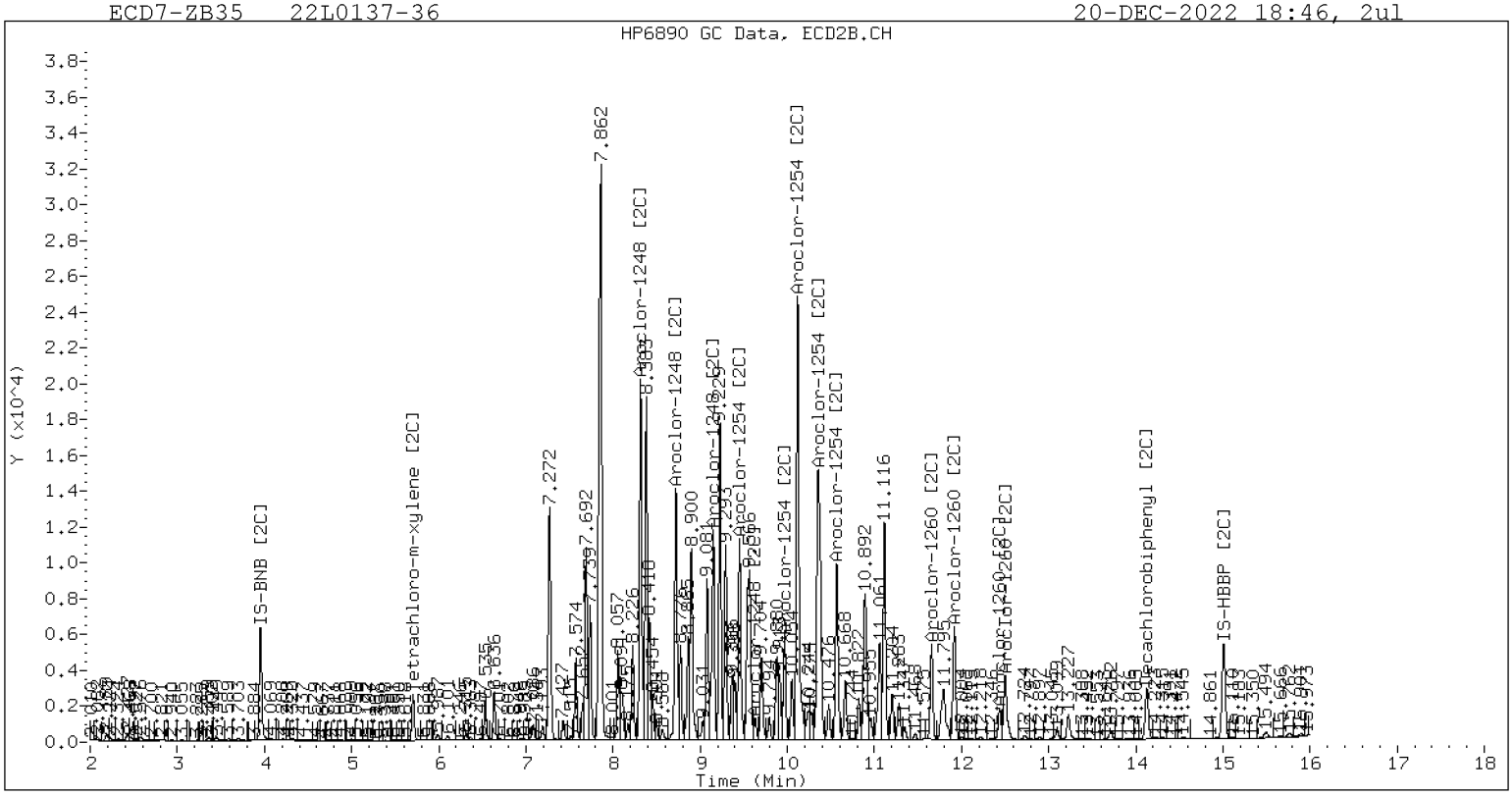
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-36 20-DEC-2022 18:46, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-36 20-DEC-2022 18:46, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-36RE1 B	File ID:	12222213ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 20:05
% Solids:	61.78	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.24 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	818	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	541	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	160	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9973*	*7.65*	*95.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9973*	*5.28*	*66.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222213ECD7.D
Data file 2: /221222.b/221222.b/12222213ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-36RE1
Client ID:
Injection Date: 22-DEC-2022 20:05
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	36670	5.708	-0.006	21459	5.3	5.6	5.3	Tetrachloro-m-xylene
13.899	-0.005	43427	14.128	-0.009	34454	7.7	6.5	16.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	489636	9.4
Hexabromobiphenyl	798898	619092	-22.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	280858	12.8
Hexabromobiphenyl	362541	375139	3.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.013	178680	848.7	1	8.317	-0.009	154233	1344.2
Aroclor-1248	2	8.582	-0.023	226996	844.5	2	8.723	-0.010	117078	970.2
Aroclor-1248	3	8.999	-0.023	367097	759.2	3	9.154	-0.023	114319	778.8
Aroclor-1248	4	9.302	-0.009	241204	1018.2	4	9.632	0.030	13169	76.4
		Total Col1Ave (4 peaks):			867.7		Total Col2Ave (4 peaks):			792.4 RPD = 9
		Corrected Ave (3 peaks):			817.5		Corrected Ave (3 peaks):			608.5 RPD = 29
Aroclor-1254	1	9.302	-0.019	241204	559.5	1	9.454	-0.013	106497	588.1
Aroclor-1254	2	9.378	-0.024	120577	719.2	2	9.971	-0.015	52694	361.9
Aroclor-1254	3	9.671	-0.023	136263	500.4	3	10.120	-0.019	225743	721.4
Aroclor-1254	4	9.803	-0.027	358152	674.8	4	10.359	-0.030	215957	666.4
Aroclor-1254	5	10.136	-0.053	157123	431.9	5	10.569	-0.017	98096	627.6
		Total Col1Ave (5 peaks):			577.2		Total Col2Ave (5 peaks):			593.1 RPD = 3
		Corrected Ave (4 peaks):			541.6		Corrected Ave (4 peaks):			561.0 RPD = 4
Aroclor-1260	1	11.047	-0.009	41547	184.4	1	11.658	-0.011	52766	266.5
Aroclor-1260	2	11.362	-0.011	34313	147.2	2	11.920	-0.013	65141	131.1
Aroclor-1260	3	11.733	-0.014	89063	145.4	3	12.439	-0.012	20348	153.8
Aroclor-1260	4	12.134	-0.015	56203	180.2	4	12.502	-0.015	46547	140.5
Aroclor-1260	5	12.247	-0.011	18283	143.2	NS	---			----
		Total Col1Ave (5 peaks):			160.1		Total Col2Ave (4 peaks):			173.0 RPD = 8
		Corrected Ave (4 peaks):			154.0		Corrected Ave (3 peaks):			141.8 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 6303115 Col1 Total PCB = 1.3 ppm*

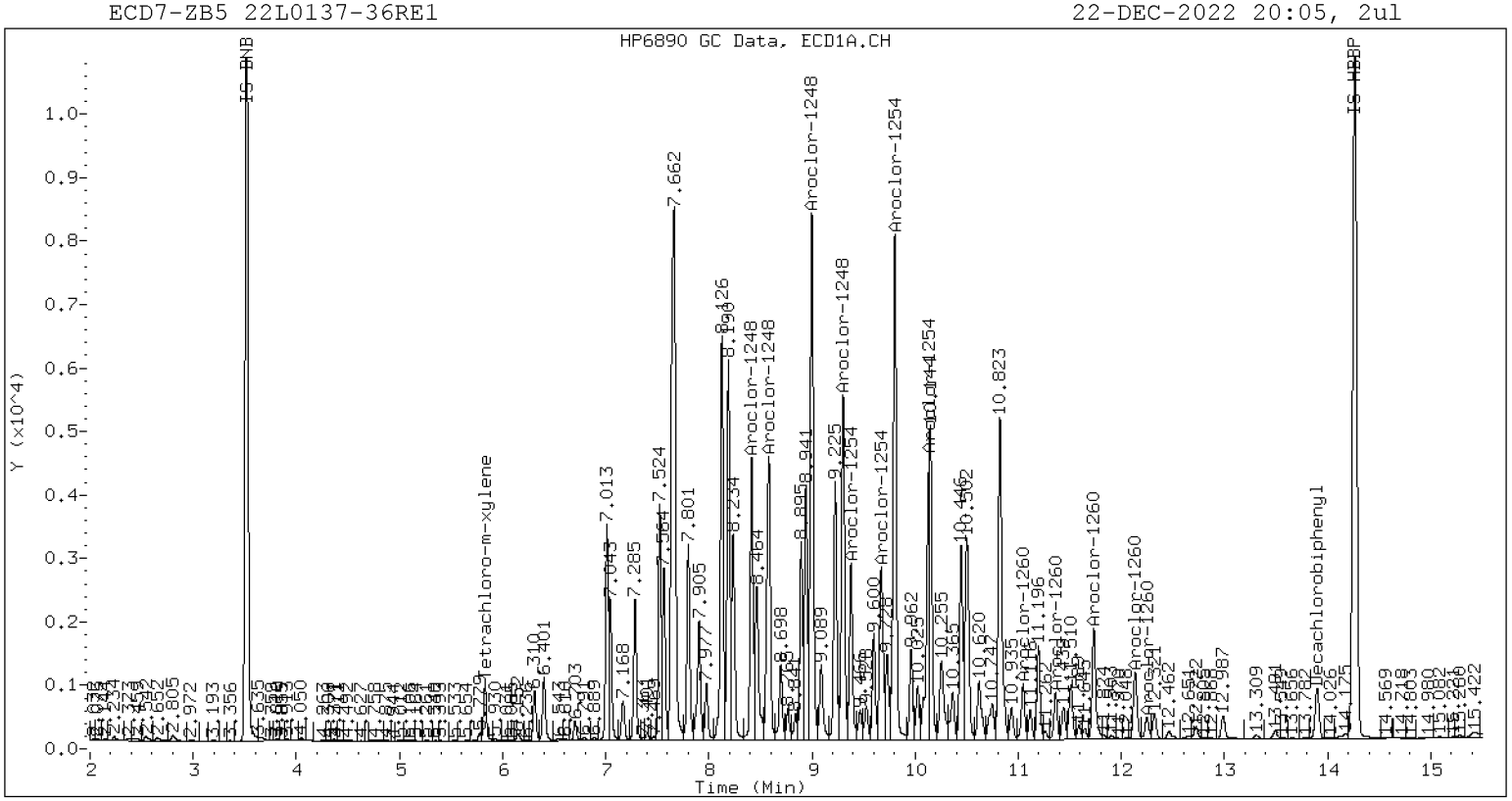
Total PCB Area Col2 (5.813 - 14.037) = 3785750 Col2 Total PCB = 1.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

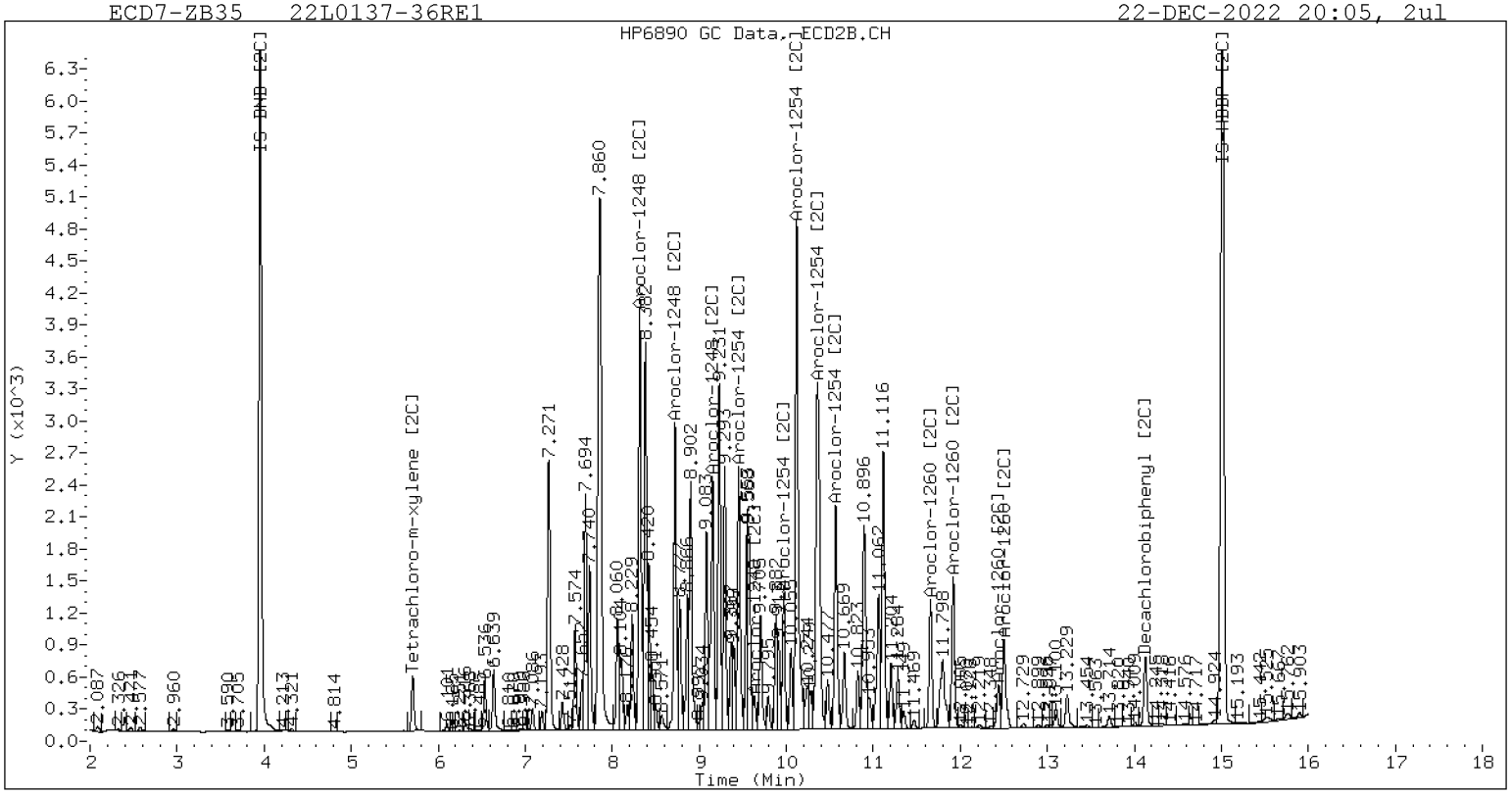
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-36RE1 22-DEC-2022 20:05, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-36RE1 22-DEC-2022 20:05, 2ul

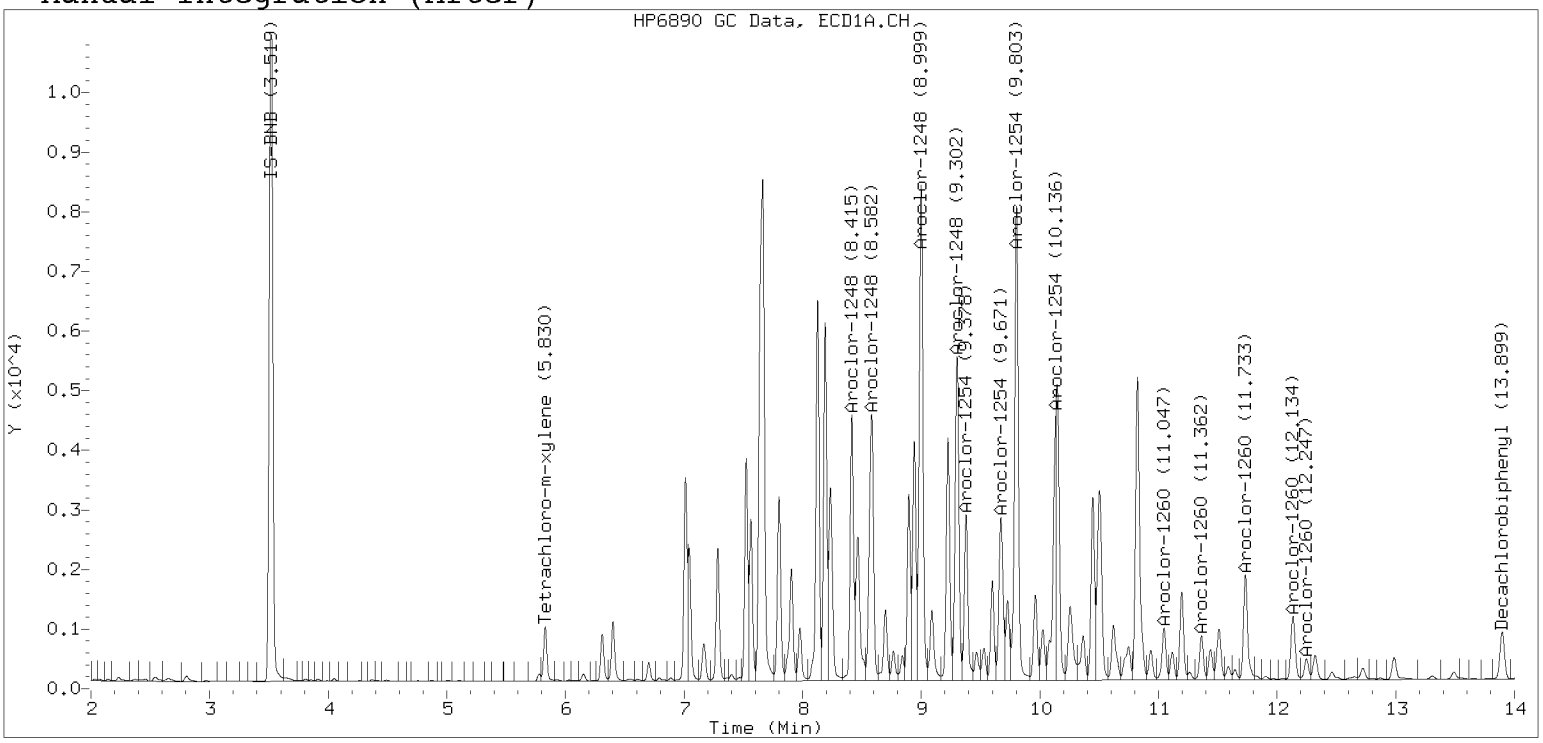


ZB-35 Manual Integration: NO

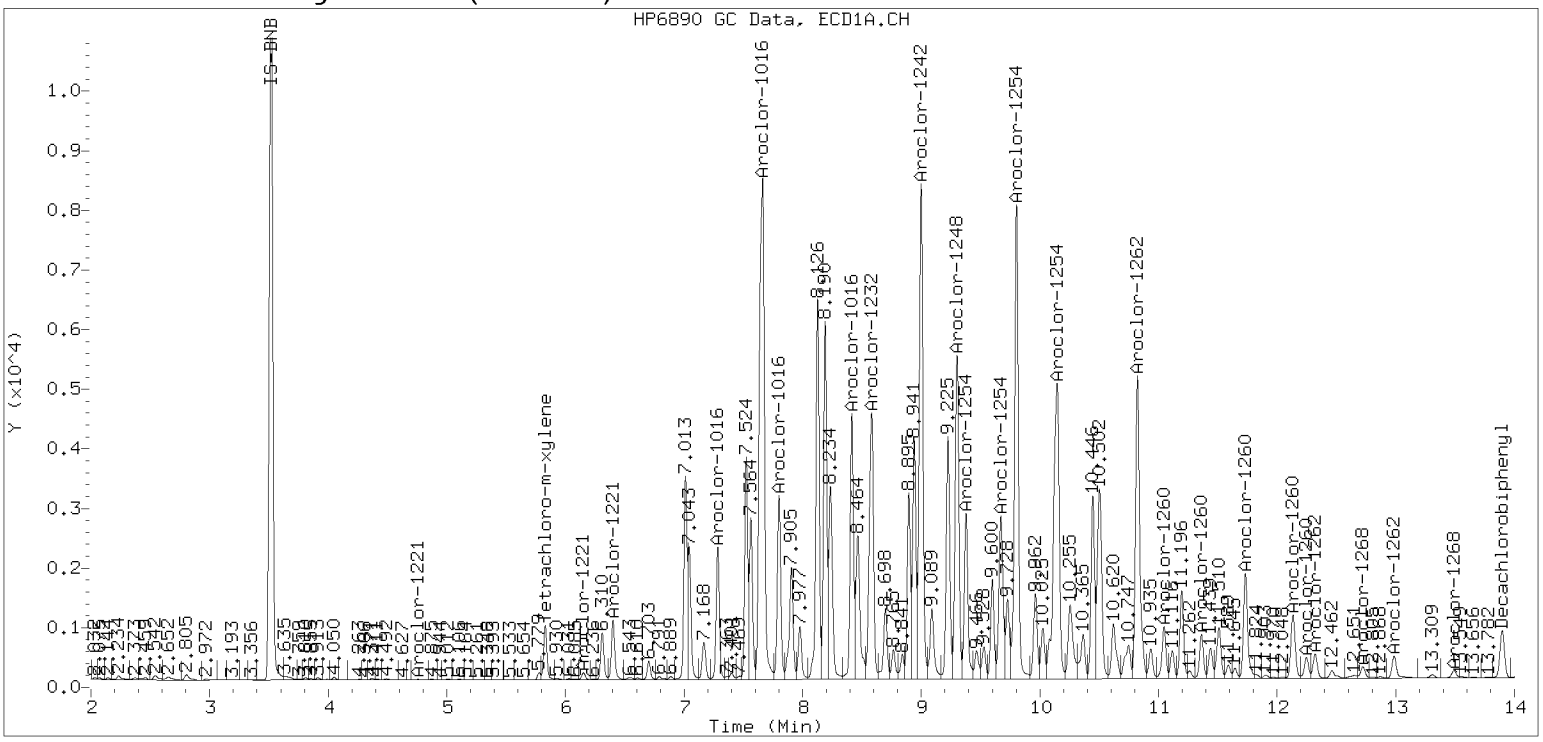
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222213ECD7.D Injection Date: 22-DEC-2022 20:05

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776E

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-37 B	File ID:	12202219ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:07
% Solids:	68.62	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.28 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	78.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	80.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	79.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9721*	*7.92*	*99.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9721*	*5.58*	*70.0*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202219ECD7.D
Data file 2: /221220.b/221220.b/12202219ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-37
Client ID:
Injection Date: 20-DEC-2022 19:07
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	191175	5.708	-0.006	118522	28.0	30.6	8.9	Tetrachloro-m-xylene
13.897	-0.011	142022	14.127	-0.010	150086	39.8	37.1	6.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	481922	7.7
Hexabromobiphenyl	798898	389766	-51.2 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	282444	13.4
Hexabromobiphenyl	362541	284618	-21.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.015	85735	413.8	1	8.316	-0.010	87626	759.4
Aroclor-1248	2	8.580	-0.024	90286	341.3	2	8.722	-0.010	60719	500.3
Aroclor-1248	3	8.997	-0.025	200822	422.0	3	9.153	-0.025	65440	443.3
Aroclor-1248	4	9.300	-0.011	164523	705.6	4	9.632	0.029	8807	50.8
	Total Col1Ave (4 peaks):				470.7	Total Col2Ave (4 peaks):				438.5 RPD = 7
	Corrected Ave (3 peaks):				392.3	Corrected Ave (3 peaks):				331.5 RPD = 17
Aroclor-1254	1	9.300	-0.021	164523	387.7	1	9.453	-0.014	91383	501.8
Aroclor-1254	2	9.376	-0.026	77096	467.2	2	9.971	-0.016	37542	256.4
Aroclor-1254	3	9.670	-0.024	90414	337.4	3	10.119	-0.020	170717	542.5
Aroclor-1254	4	9.800	-0.031	216229	413.9	4	10.372	-0.017	187622	575.7
Aroclor-1254	5	10.129	-0.060	259537	724.8	5	10.568	-0.019	124322	790.9
	Total Col1Ave (5 peaks):				466.2	Total Col2Ave (5 peaks):				533.5 RPD = 13
	Corrected Ave (4 peaks):				401.6	Corrected Ave (4 peaks):				469.1 RPD = 16
Aroclor-1260	1	11.045	-0.017	72035	507.7	1	11.658	-0.011	68207	454.0
Aroclor-1260	2	11.361	-0.016	57499	391.8	2	11.919	-0.014	131929	350.0
Aroclor-1260	3	11.732	-0.020	149476	387.7	3	12.438	-0.013	39616	394.6
Aroclor-1260	4	12.131	-0.028	82196	418.6	4	12.502	-0.015	87602	348.6
Aroclor-1260	5	12.245	-0.016	31704	394.4	NS	---			----
	Total Col1Ave (5 peaks):				420.1	Total Col2Ave (4 peaks):				386.8 RPD = 8
	Corrected Ave (4 peaks):				398.2	Corrected Ave (3 peaks):				364.4 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 4178202 Col1 Total PCB = 0.8 ppm*

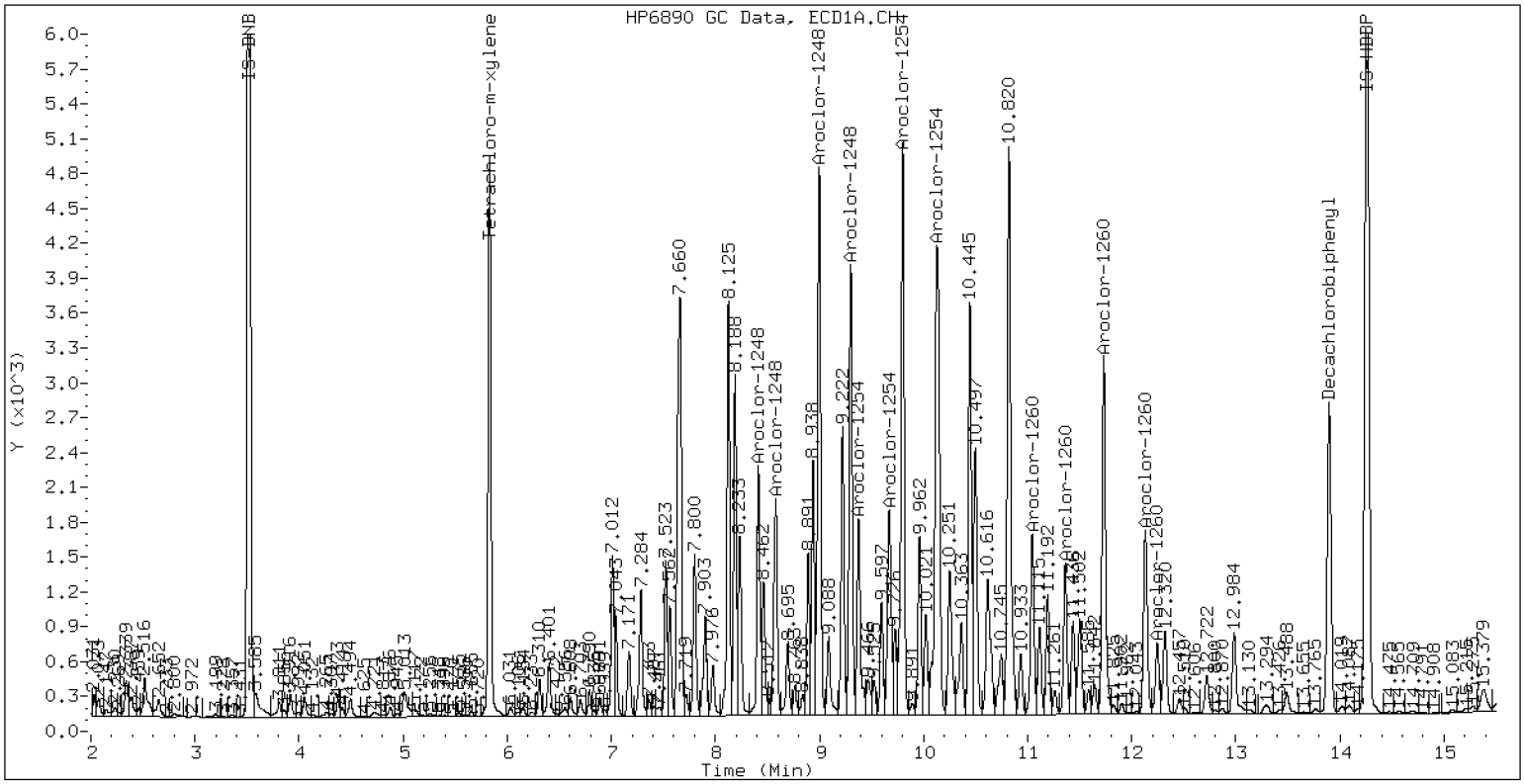
Total PCB Area Col2 (5.936 - 13.808) = 2935768 Col2 Total PCB = 1.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

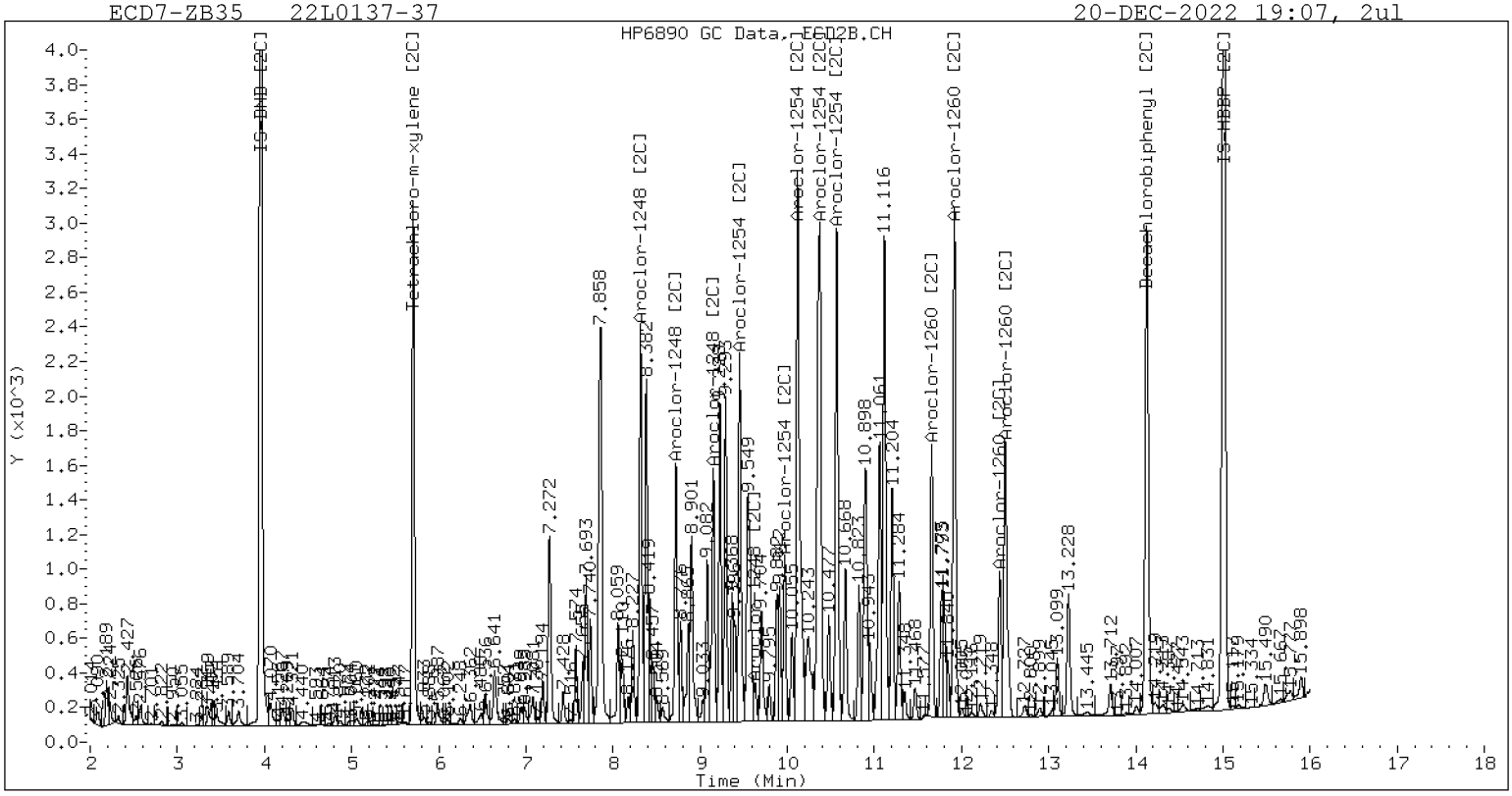
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-37 20-DEC-2022 19:07, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-37 20-DEC-2022 19:07, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776E-FD

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-38 B	File ID:	12202220ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:29
% Solids:	61.85	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.26 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	109	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	114	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	205	0.6	4.0	E

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9803*	*8.08*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9803*	*6.22*	*78.0*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202220ECD7.D
Data file 2: /221220.b/221220.b/12202220ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-38
Client ID:
Injection Date: 20-DEC-2022 19:29
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	178910	5.706	-0.007	115017	31.2	32.8	4.9	Tetrachloro-m-xylene
13.896	-0.011	148054	14.126	-0.011	152164	40.5	36.6	10.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	404857	-9.6
Hexabromobiphenyl	798898	398842	-50.1 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	256188	2.8
Hexabromobiphenyl	362541	292543	-19.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.015	97434	559.7	1	8.316	-0.010	94399	902.0
Aroclor-1248	2	8.579	-0.025	100648	452.9	2	8.721	-0.011	67979	617.6
Aroclor-1248	3	8.998	-0.025	253272	633.5	3	9.153	-0.024	77518	578.9
Aroclor-1248	4	9.301	-0.010	236396	1206.9	4	9.631	0.029	10022	63.8
		Total Col1Ave (4 peaks):			713.2		Total Col2Ave (4 peaks):			540.6 RPD = 28
		Corrected Ave (3 peaks):			548.7		Corrected Ave (3 peaks):			420.1 RPD = 27
Aroclor-1254	1	9.301	-0.020	236396	663.2	1	9.453	-0.014	135342	819.4
Aroclor-1254	2	9.376	-0.026	92954	670.5	2	9.970	-0.016	51851	390.5
Aroclor-1254	3	9.669	-0.025	122104	542.3	3	10.120	-0.020	277729	973.0
Aroclor-1254	4	9.800	-0.031	306727	698.9	4	10.373	-0.016	324194	1096.7
Aroclor-1254	5	10.252	0.063	85826	285.3	5	10.568	-0.018	274866	1927.8
		Total Col1Ave (5 peaks):			572.0		Total Col2Ave (5 peaks):			1041.4 RPD = 58*
		Corrected Ave (4 peaks):			540.3		Corrected Ave (4 peaks):			819.9 RPD = 41*
Aroclor-1260	1	11.046	-0.016	192136	1323.4	1	11.657	-0.012	158474	1026.3
Aroclor-1260	2	11.361	-0.016	162239	1080.5	2	11.918	-0.015	360619	930.7
Aroclor-1260	3	11.732	-0.020	410653	1040.9	3	12.438	-0.014	98124	951.0
Aroclor-1260	4	12.132	-0.026	212894	1059.6	4	12.501	-0.016	219531	849.9
Aroclor-1260	5	12.246	-0.015	77395	941.0	NS	---			----
		Total Col1Ave (5 peaks):			1089.1		Total Col2Ave (4 peaks):			939.4 RPD = 15
		Corrected Ave (4 peaks):			1030.5		Corrected Ave (3 peaks):			910.5 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 6792622 Col1 Total PCB = 1.5 ppm*

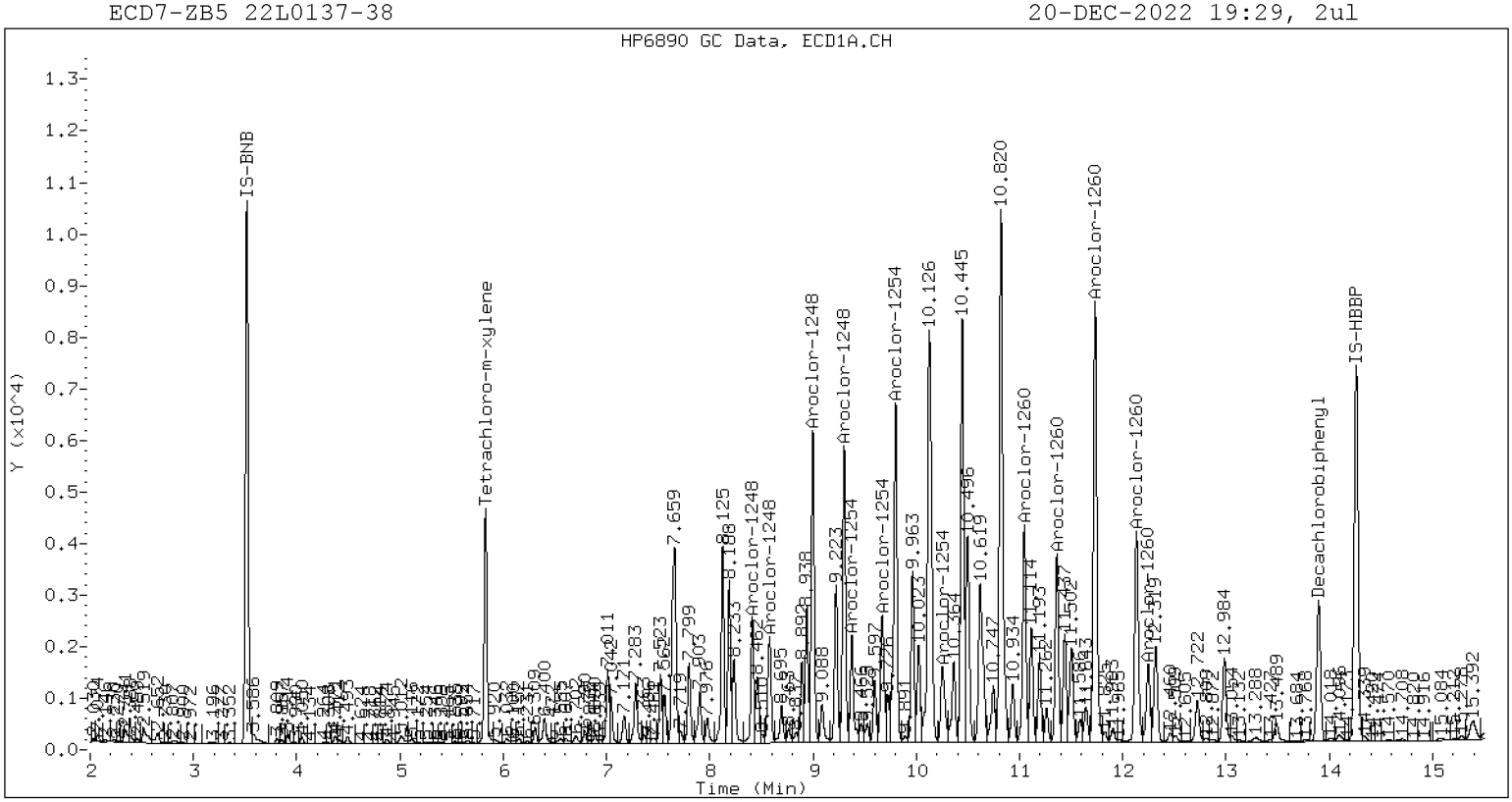
Total PCB Area Col2 (5.936 - 13.808) = 4829601 Col2 Total PCB = 2.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

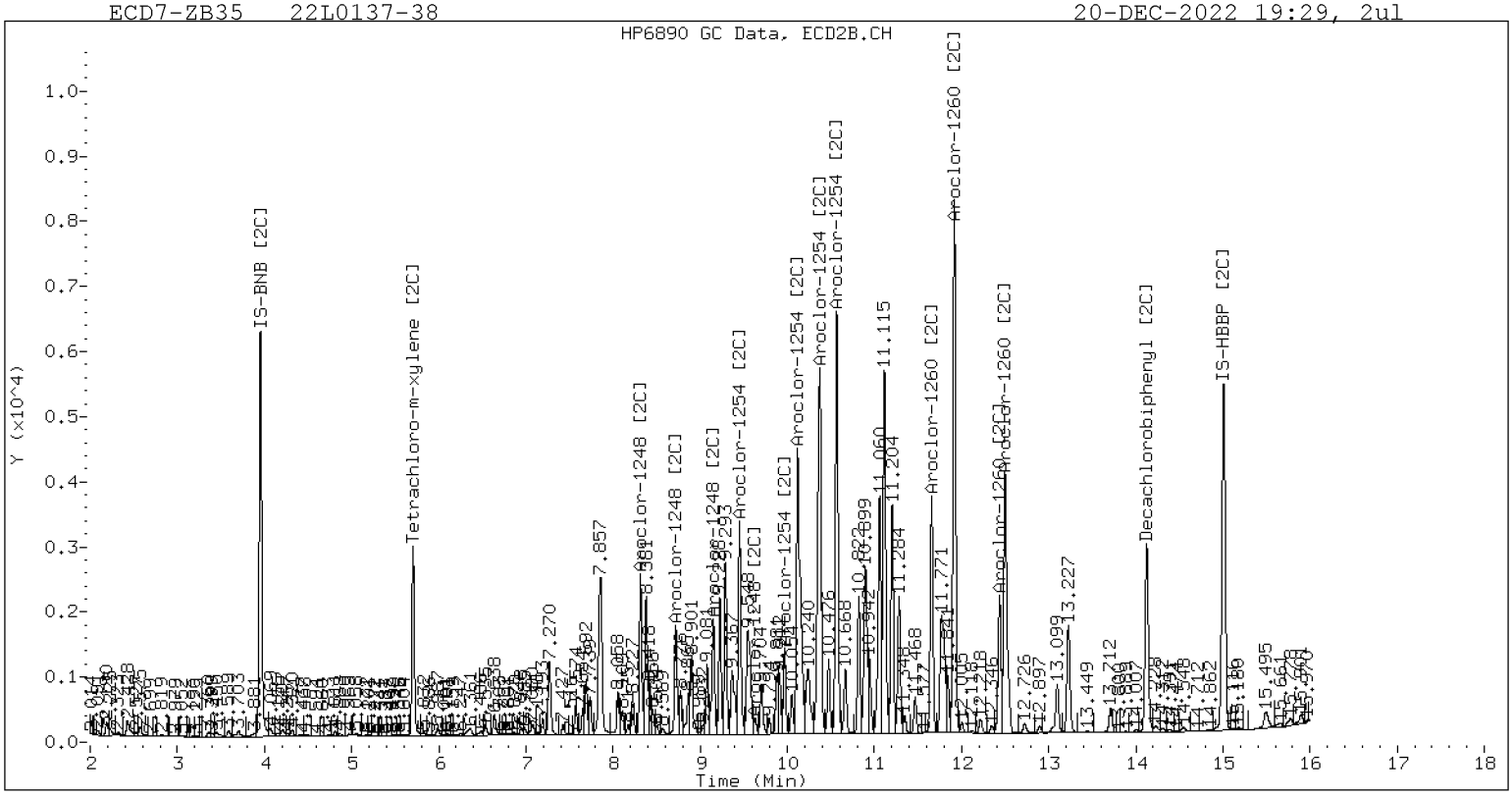
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-38 20-DEC-2022 19:29, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-38 20-DEC-2022 19:29, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776E-FD

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-38RE1 B	File ID:	12222216ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 21:09
% Solids:	61.85	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.26 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	147	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	168	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	192	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9803*	*7.43*	*93.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9803*	*6.41*	*80.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222216ECD7.D
Data file 2: /221222.b/221222.b/12222216ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-38RE1
Client ID:
Injection Date: 22-DEC-2022 21:09
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	43250	5.708	-0.005	24369	6.4	6.3	2.4	Tetrachloro-m-xylene
13.897	-0.006	47093	14.127	-0.010	35257	7.4	6.2	18.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	475205	6.2
Hexabromobiphenyl	798898	690196	-13.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	283560	13.8
Hexabromobiphenyl	362541	400644	10.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	32017	156.7	1	8.318	-0.009	25978	224.3
Aroclor-1248	2	8.583	-0.021	33874	129.8	2	8.722	-0.010	18134	148.8
Aroclor-1248	3	9.002	-0.020	72732	155.0	3	9.156	-0.021	21379	144.3
Aroclor-1248	4	9.304	-0.007	70808	308.0	4	9.633	0.031	3092	17.8
		Total Col1Ave (4 peaks):			187.4		Total Col2Ave (4 peaks):			133.8 RPD = 33
		Corrected Ave (3 peaks):			147.2		Corrected Ave (3 peaks):			103.6 RPD = 35
Aroclor-1254	1	9.304	-0.017	70808	169.2	1	9.454	-0.012	35411	193.7
Aroclor-1254	2	9.379	-0.022	30011	184.4	2	9.973	-0.014	13527	92.0
Aroclor-1254	3	9.673	-0.021	36079	136.5	3	10.122	-0.017	72592	229.8
Aroclor-1254	4	9.804	-0.027	94425	183.3	4	10.373	-0.016	83229	254.4
Aroclor-1254	5	10.128	-0.062	137528	389.5	5	10.569	-0.017	67914	430.3
		Total Col1Ave (5 peaks):			212.6		Total Col2Ave (5 peaks):			240.0 RPD = 12
		Corrected Ave (4 peaks):			168.4		Corrected Ave (4 peaks):			192.5 RPD = 13
Aroclor-1260	1	11.048	-0.008	58366	232.3	1	11.659	-0.010	39707	187.8
Aroclor-1260	2	11.364	-0.010	48774	187.7	2	11.919	-0.014	85878	161.8
Aroclor-1260	3	11.734	-0.013	125566	183.9	3	12.439	-0.012	24457	173.1
Aroclor-1260	4	12.136	-0.012	65623	188.7	4	12.502	-0.014	53335	150.8
Aroclor-1260	5	12.248	-0.010	24316	170.8	NS	---			----
		Total Col1Ave (5 peaks):			192.7		Total Col2Ave (4 peaks):			168.4 RPD = 13
		Corrected Ave (4 peaks):			182.8		Corrected Ave (3 peaks):			161.9 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2109547 Col1 Total PCB = 0.5 ppm*

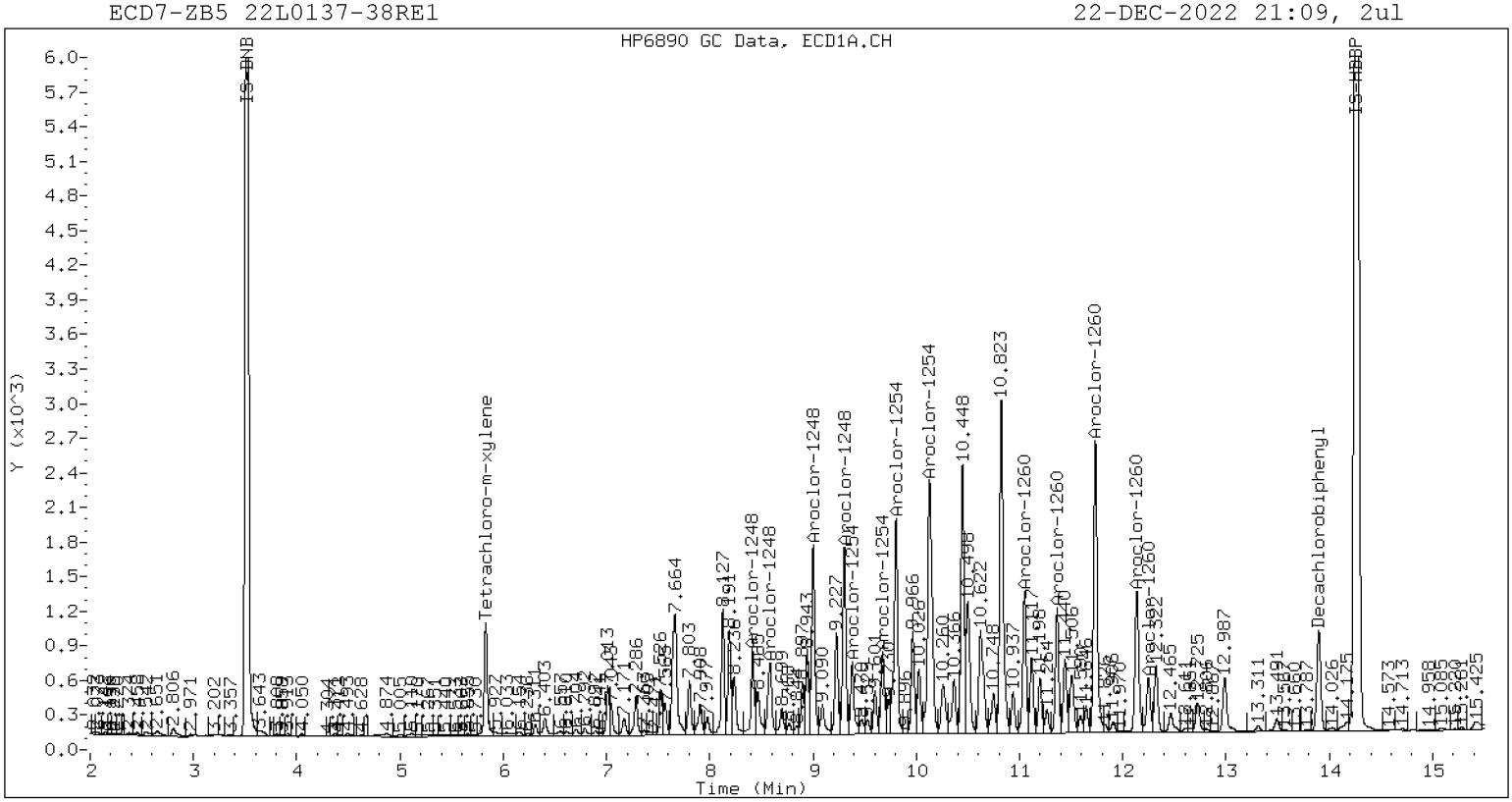
Total PCB Area Col2 (5.813 - 14.037) = 1259689 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

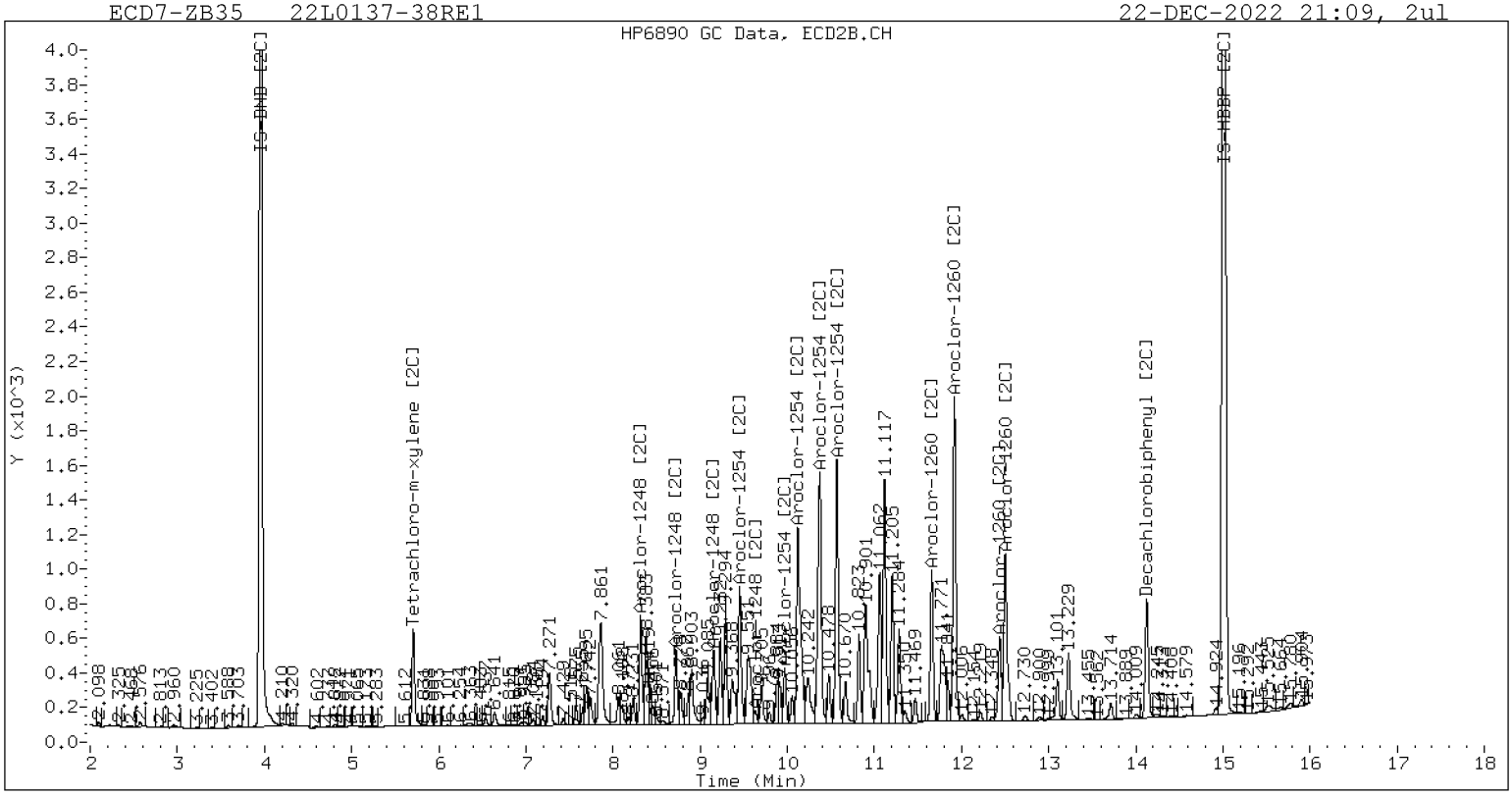
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-38RE1 22-DEC-2022 21:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-38RE1 22-DEC-2022 21:09, 2ul



ZB-35 Manual Integration: NO

Dual Column

LDW22-SC776F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-39 B	File ID:	12202221ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:50
% Solids:	64.45	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.45 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	290	1.6	4.0	E
11097-69-1	Aroclor 1254	1	1	315	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	152	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9773*	*8.67*	*109*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9773*	*5.88*	*73.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202221ECD7.D
Data file 2: /221220.b/221220.b/12202221ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-39
Client ID:
Injection Date: 20-DEC-2022 19:50
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	185714	5.708	-0.006	110547	29.5	31.3	6.0	Tetrachloro-m-xylene
13.897	-0.010	153791	14.127	-0.010	160086	43.5	40.1	8.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	444269	-0.8
Hexabromobiphenyl	798898	385830	-51.7 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257590	3.4
Hexabromobiphenyl	362541	280887	-22.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.014	273925	1434.0	1	8.317	-0.009	352768	3352.3
Aroclor-1248	2	8.580	-0.024	301759	1237.3	2	8.722	-0.011	199709	1804.4
Aroclor-1248	3	8.999	-0.024	742943	1693.3	3	9.153	-0.025	223682	1661.5
Aroclor-1248	4	9.301	-0.010	611465	2844.8	4	9.632	0.029	26694	168.9
		Total Col1Ave (4 peaks):			1802.3		Total Col2Ave (4 peaks):			1746.8 RPD = 3
		Corrected Ave (3 peaks):			1454.9		Corrected Ave (3 peaks):			1211.6 RPD = 18
Aroclor-1254	1	9.301	-0.020	611465	1563.2	1	9.453	-0.014	313212	1885.9
Aroclor-1254	2	9.376	-0.026	264789	1740.6	2	9.971	-0.016	150661	1128.3
Aroclor-1254	3	9.669	-0.026	326045	1319.7	3	10.120	-0.019	582036	2027.9
Aroclor-1254	4	9.801	-0.030	818624	1699.9	4	10.357	-0.032	621523	2091.0
Aroclor-1254	5	10.138	-0.051	818552	2479.6	5	10.569	-0.017	332998	2322.8
		Total Col1Ave (5 peaks):			1760.6		Total Col2Ave (5 peaks):			1891.2 RPD = 7
		Corrected Ave (4 peaks):			1580.8		Corrected Ave (4 peaks):			1783.3 RPD = 12
Aroclor-1260	1	11.046	-0.017	126026	897.3	1	11.658	-0.012	173379	1169.4
Aroclor-1260	2	11.361	-0.017	104369	718.5	2	11.918	-0.014	253664	681.8
Aroclor-1260	3	11.730	-0.021	277737	727.7	3	12.438	-0.014	71513	721.8
Aroclor-1260	4	12.131	-0.027	176153	906.3	4	12.501	-0.016	173864	701.0
Aroclor-1260	5	12.246	-0.016	55407	696.4	NS	---			----
		Total Col1Ave (5 peaks):			789.3		Total Col2Ave (4 peaks):			818.5 RPD = 4
		Corrected Ave (4 peaks):			760.0		Corrected Ave (3 peaks):			701.5 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 12784095 Col1 Total PCB = 2.5 ppm*

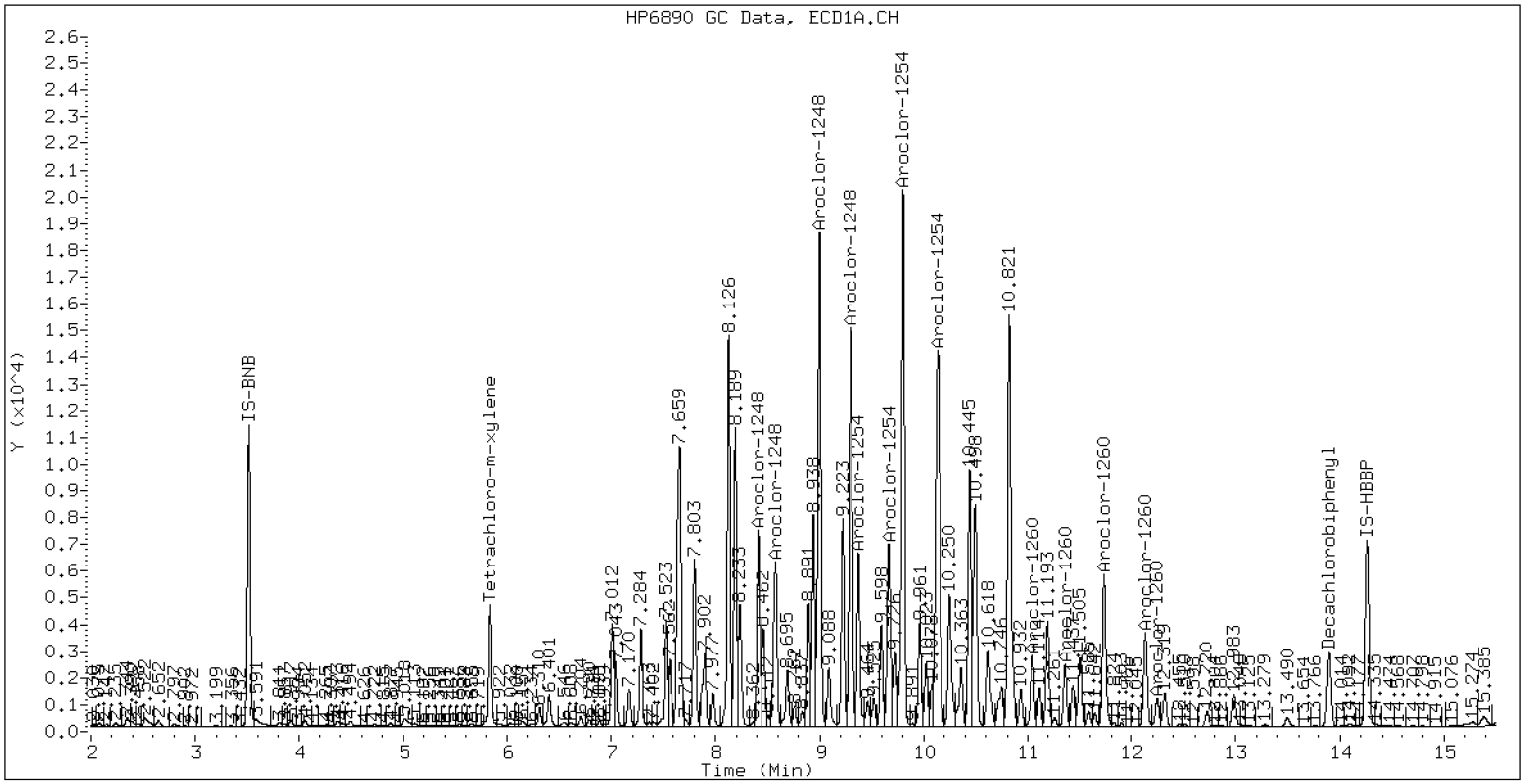
Total PCB Area Col2 (5.936 - 13.808) = 8657833 Col2 Total PCB = 4.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

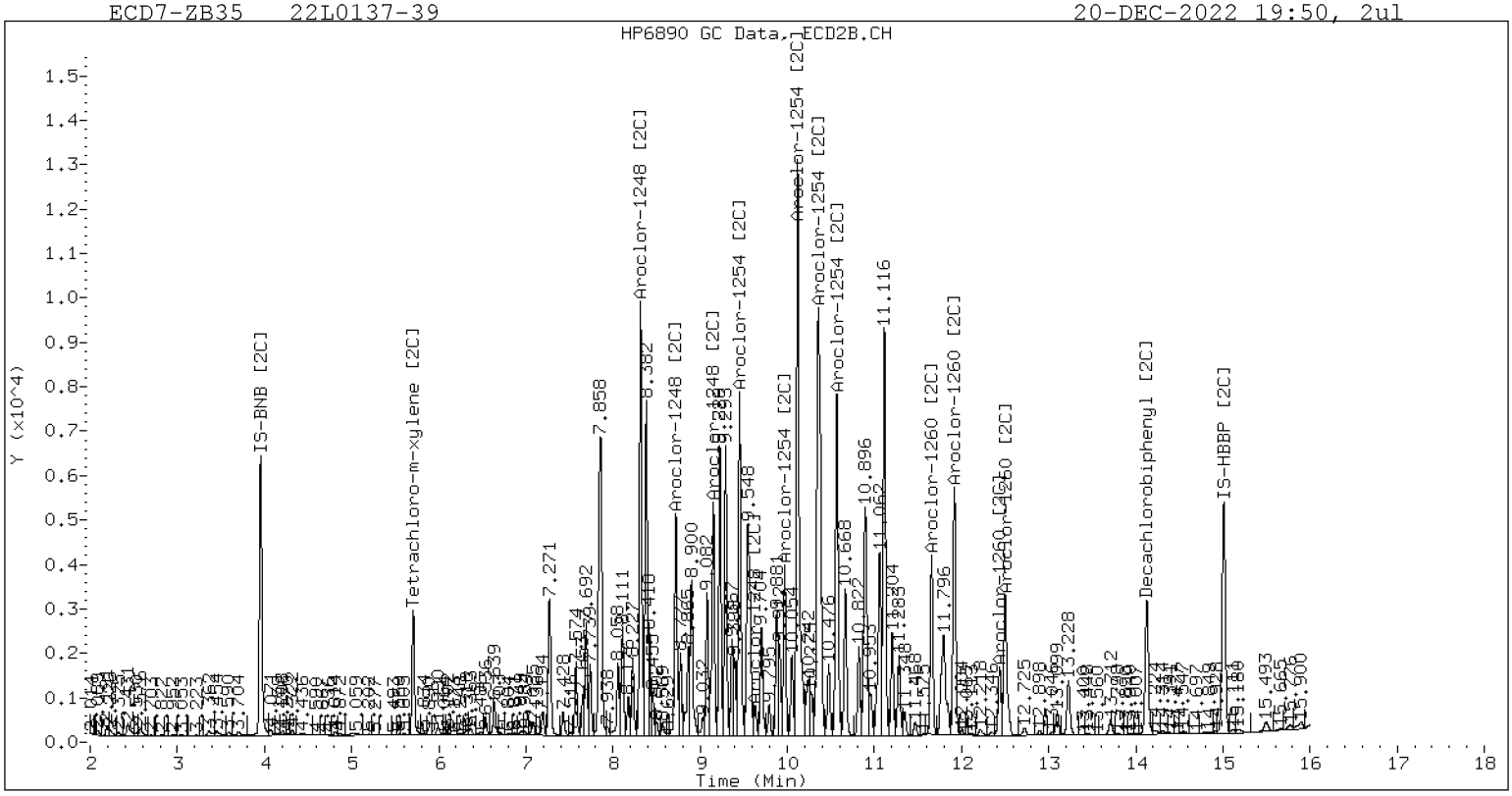
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-39 20-DEC-2022 19:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-39 20-DEC-2022 19:50, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-39RE1 B	File ID:	12222217ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 21:30
% Solids:	64.45	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.45 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	354	7.8	19.9	D
11097-69-1	Aroclor 1254	1	5	397	7.8	19.9	D
11096-82-5	Aroclor 1260	1	5	148	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9773*	*8.51*	*107*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9773*	*6.39*	*80.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222217ECD7.D
Data file 2: /221222.b/221222.b/12222217ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-39RE1
Client ID:
Injection Date: 22-DEC-2022 21:30
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.004	44041	5.706	-0.007	25377	6.4	6.6	3.3	Tetrachloro-m-xylene
13.897	-0.007	50278	14.128	-0.009	39542	8.5	7.3	16.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484959	8.3
Hexabromobiphenyl	798898	642582	-19.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	279633	12.3
Hexabromobiphenyl	362541	383514	5.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	76305	365.9	1	8.316	-0.010	84102	736.2
Aroclor-1248	2	8.581	-0.023	82963	311.6	2	8.722	-0.011	47003	391.2
Aroclor-1248	3	9.000	-0.022	185513	387.4	3	9.155	-0.023	55052	376.7
Aroclor-1248	4	9.302	-0.009	165639	706.0	4	9.633	0.031	7769	45.3
		Total Col1Ave (4 peaks):			442.7		Total Col2Ave (4 peaks):			387.3 RPD = 13
		Corrected Ave (3 peaks):			355.0		Corrected Ave (3 peaks):			271.1 RPD = 27
Aroclor-1254	1	9.302	-0.019	165639	387.9	1	9.454	-0.013	77819	431.6
Aroclor-1254	2	9.378	-0.023	75834	456.7	2	9.972	-0.015	37136	256.2
Aroclor-1254	3	9.670	-0.024	89319	331.2	3	10.120	-0.019	141237	453.3
Aroclor-1254	4	9.803	-0.028	219925	418.4	4	10.363	-0.026	154042	477.4
Aroclor-1254	5	10.142	-0.047	243970	677.0	5	10.569	-0.017	84032	540.0
		Total Col1Ave (5 peaks):			454.2		Total Col2Ave (5 peaks):			431.7 RPD = 5
		Corrected Ave (4 peaks):			398.5		Corrected Ave (4 peaks):			404.6 RPD = 2
Aroclor-1260	1	11.047	-0.009	39518	169.0	1	11.658	-0.011	44008	217.4
Aroclor-1260	2	11.361	-0.012	31547	130.4	2	11.918	-0.014	63691	125.4
Aroclor-1260	3	11.733	-0.014	87862	138.2	3	12.437	-0.014	18981	140.3
Aroclor-1260	4	12.133	-0.016	54753	169.1	4	12.501	-0.015	44317	130.9
Aroclor-1260	5	12.248	-0.011	17659	133.3	NS	---			----
		Total Col1Ave (5 peaks):			148.0		Total Col2Ave (4 peaks):			153.5 RPD = 4
		Corrected Ave (4 peaks):			142.7		Corrected Ave (3 peaks):			132.2 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 3564148 Col1 Total PCB = 0.8 ppm*

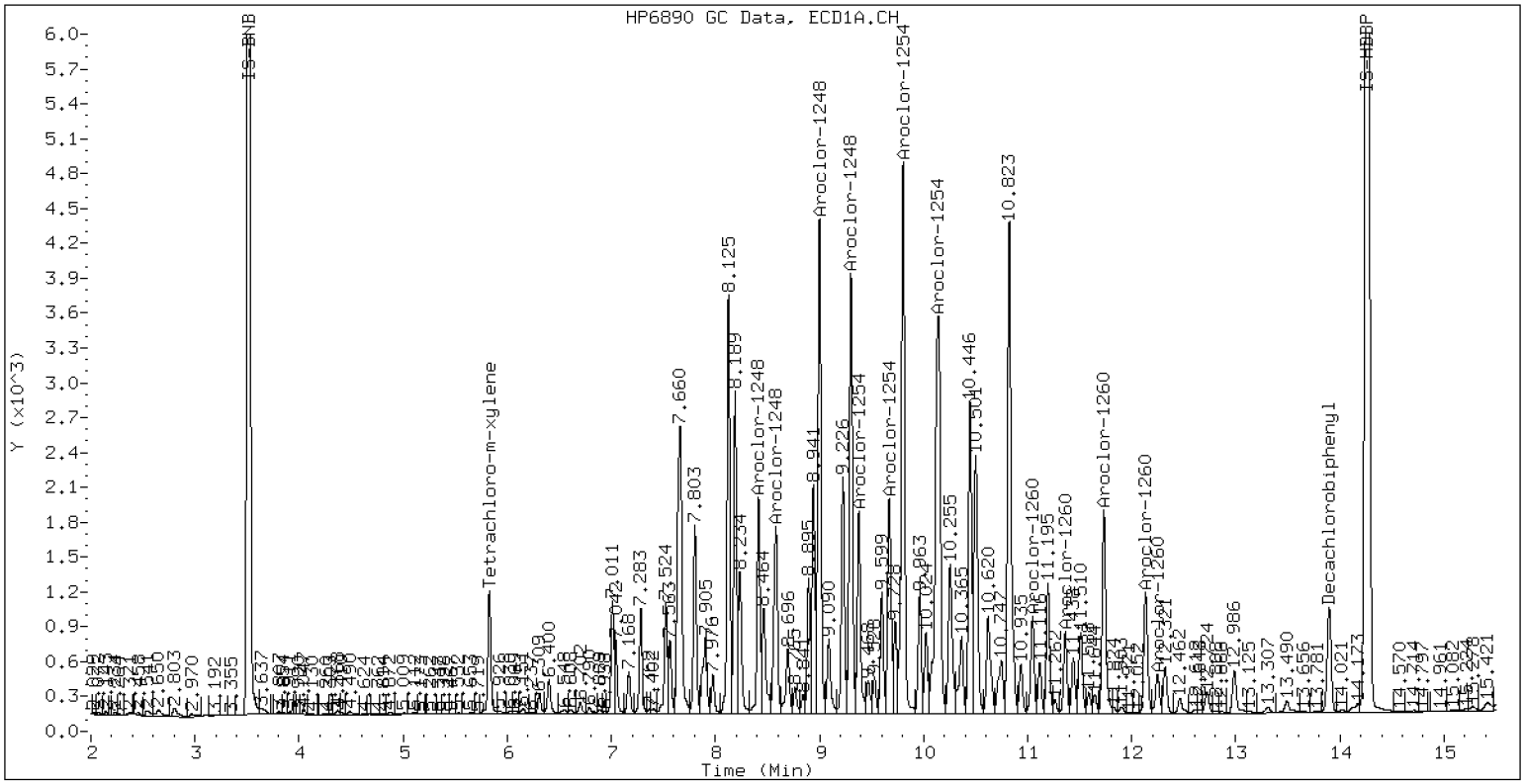
Total PCB Area Col2 (5.813 - 14.037) = 2165076 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

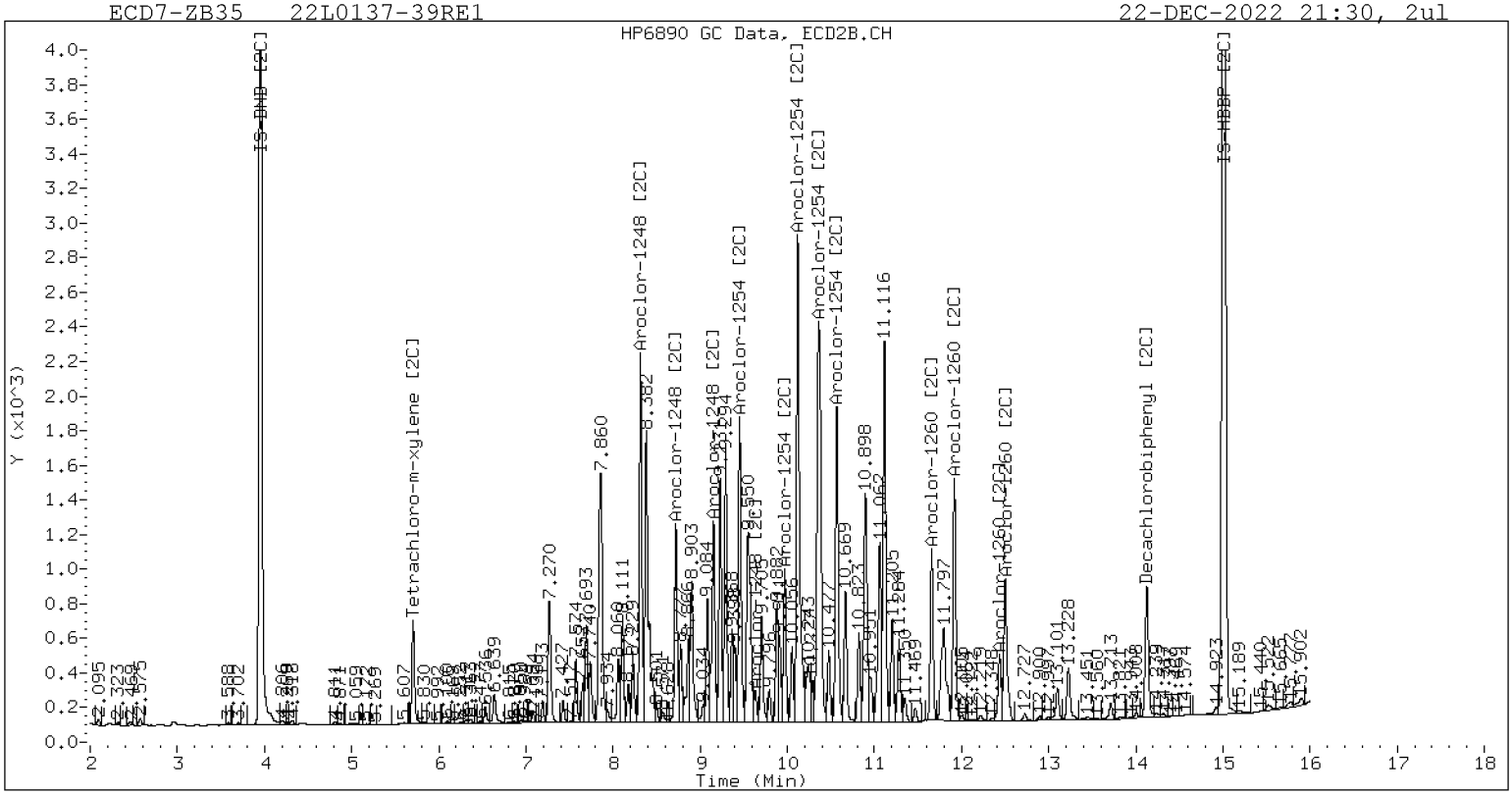
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-39RE1 22-DEC-2022 21:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-39RE1 22-DEC-2022 21:30, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-40 B	File ID:	12202222ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 20:11
% Solids:	62.02	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.17 g Wet / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	84.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	139	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	89.7	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9940*	*8.68*	*109*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9940*	*5.87*	*73.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202222ECD7.D
Data file 2: /221220.b/221220.b/12202222ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-40
Client ID:
Injection Date: 20-DEC-2022 20:11
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	178262	5.707	-0.007	114190	29.4	32.7	10.8	Tetrachloro-m-xylene
13.896	-0.012	163058	14.128	-0.009	163055	43.4	39.3	9.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	428384	-4.3
Hexabromobiphenyl	798898	409774	-48.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	254520	2.2
Hexabromobiphenyl	362541	292219	-19.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.014	82863	449.9	1	8.316	-0.010	81213	781.1
Aroclor-1248	2	8.580	-0.024	59282	252.1	2	8.722	-0.011	57891	529.4
Aroclor-1248	3	8.998	-0.024	237390	561.1	3	9.153	-0.024	65447	492.0
Aroclor-1248	4	9.302	-0.010	264241	1274.9	4	9.633	0.031	12987	83.2
		Total Col1Ave (4 peaks):			634.5		Total Col2Ave (4 peaks):			471.4 RPD = 29
		Corrected Ave (3 peaks):			421.0		Corrected Ave (3 peaks):			368.2 RPD = 13
Aroclor-1254	1	9.302	-0.020	264241	700.6	1	9.454	-0.013	142037	865.5
Aroclor-1254	2	9.421	0.019	10194	69.5	2	9.971	-0.015	62228	471.7
Aroclor-1254	3	9.674	-0.020	184984	776.5	3	10.119	-0.020	250075	881.8
Aroclor-1254	4	9.801	-0.030	354978	764.4	4	10.360	-0.029	274256	933.8
Aroclor-1254	5	10.137	-0.052	369632	1161.2	5	10.568	-0.018	163034	1150.9
		Total Col1Ave (5 peaks):			694.4		Total Col2Ave (5 peaks):			860.8 RPD = 21
		Corrected Ave (4 peaks):			577.8		Corrected Ave (4 peaks):			788.2 RPD = 31
Aroclor-1260	1	11.046	-0.016	76425	512.4	1	11.658	-0.012	85737	555.8
Aroclor-1260	2	11.360	-0.017	61345	397.6	2	11.918	-0.014	142346	367.8
Aroclor-1260	3	11.731	-0.021	167269	412.7	3	12.438	-0.013	45113	437.7
Aroclor-1260	4	12.132	-0.027	95732	463.8	4	12.501	-0.015	99418	385.3
Aroclor-1260	5	12.245	-0.016	38635	457.2	NS	---			----
		Total Col1Ave (5 peaks):			448.7		Total Col2Ave (4 peaks):			436.6 RPD = 3
		Corrected Ave (4 peaks):			432.8		Corrected Ave (3 peaks):			396.9 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 5088125 Col1 Total PCB = 1.0 ppm*

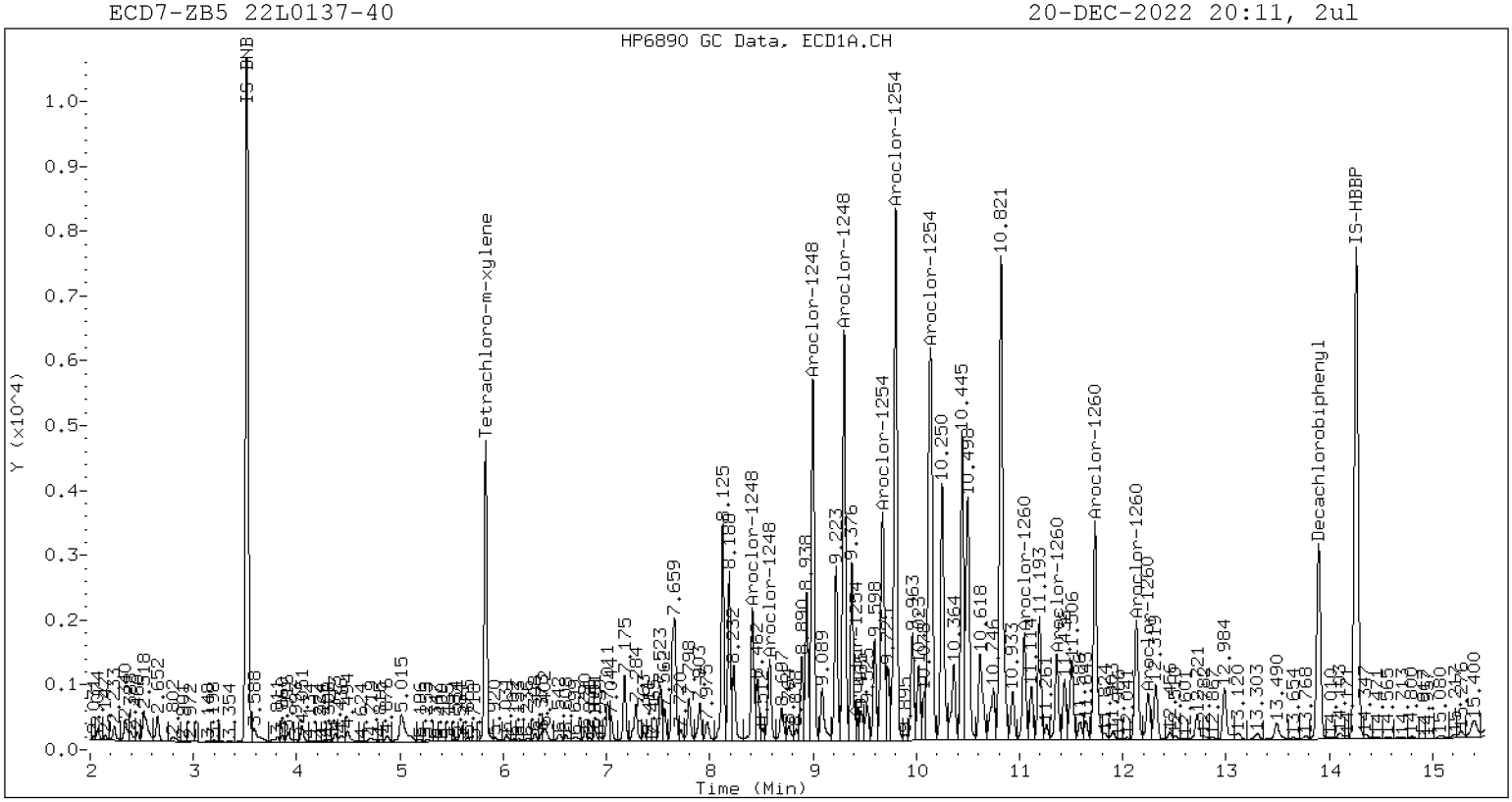
Total PCB Area Col2 (5.936 - 13.808) = 3498728 Col2 Total PCB = 1.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

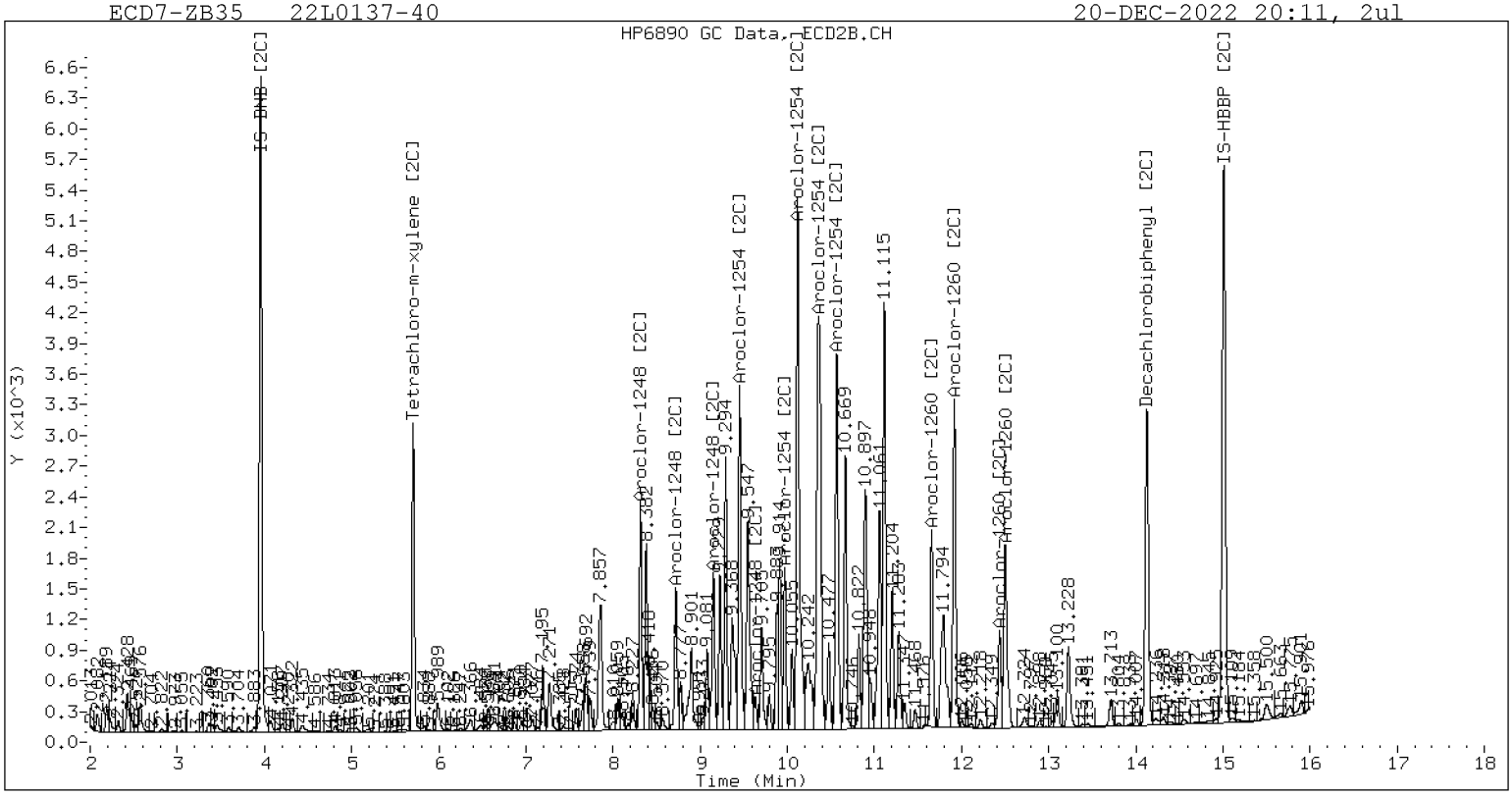
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-40 20-DEC-2022 20:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-40 20-DEC-2022 20:11, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-41 B	File ID:	12202265ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 11:22
% Solids:	62.05	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.15 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	337	1.6	4.0	E
11096-82-5	Aroclor 1260	1	1	133	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9980*	*7.21*	*90.2*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9980*	*4.39*	*54.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202265ECD7.D
Data file 2: /221220.b/221220.b/12202265ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-41
Client ID:
Injection Date: 21-DEC-2022 11:22
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	149292	5.706	-0.007	92325	22.0	25.6	15.1	Tetrachloro-m-xylene
13.897	-0.010	141742	14.128	-0.009	137494	36.1	31.7	13.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	479360	7.1
Hexabromobiphenyl	798898	428741	-46.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	263396	5.7
Hexabromobiphenyl	362541	305905	-15.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	9.301	-0.020	658317	1559.8	1	9.454	-0.013	329043	1937.6
Aroclor-1254	2	9.376	-0.026	291863	1778.1	2	9.972	-0.015	162973	1193.6
Aroclor-1254	3	9.669	-0.025	405742	1522.1	3	10.120	-0.019	657079	2238.9
Aroclor-1254	4	9.801	-0.030	980764	1887.5	4	10.357	-0.032	682977	2247.1
Aroclor-1254	5	10.139	-0.050	950708	2669.1	5	10.570	-0.017	350641	2392.0
		Total Col1Ave (5 peaks):			1883.3	Total Col2Ave (5 peaks):				2001.8 RPD = 6
		Corrected Ave (4 peaks):			1686.9	Corrected Ave (4 peaks):				1904.3 RPD = 12
Aroclor-1260	1	11.046	-0.017	124789	799.6	1	11.658	-0.011	184240	1141.0
Aroclor-1260	2	11.359	-0.018	101709	630.1	2	11.919	-0.014	236674	584.1
Aroclor-1260	3	11.730	-0.022	262945	620.0	3	12.439	-0.012	64160	594.6
Aroclor-1260	4	12.130	-0.028	183867	851.3	4	12.502	-0.015	169058	625.9
Aroclor-1260	5	12.245	-0.016	53440	604.4	NS	---			----
		Total Col1Ave (5 peaks):			701.1	Total Col2Ave (4 peaks):				736.4 RPD = 5
		Corrected Ave (4 peaks):			663.5	Corrected Ave (3 peaks):				601.5 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 11392198 Col1 Total PCB = 2.5 ppm*

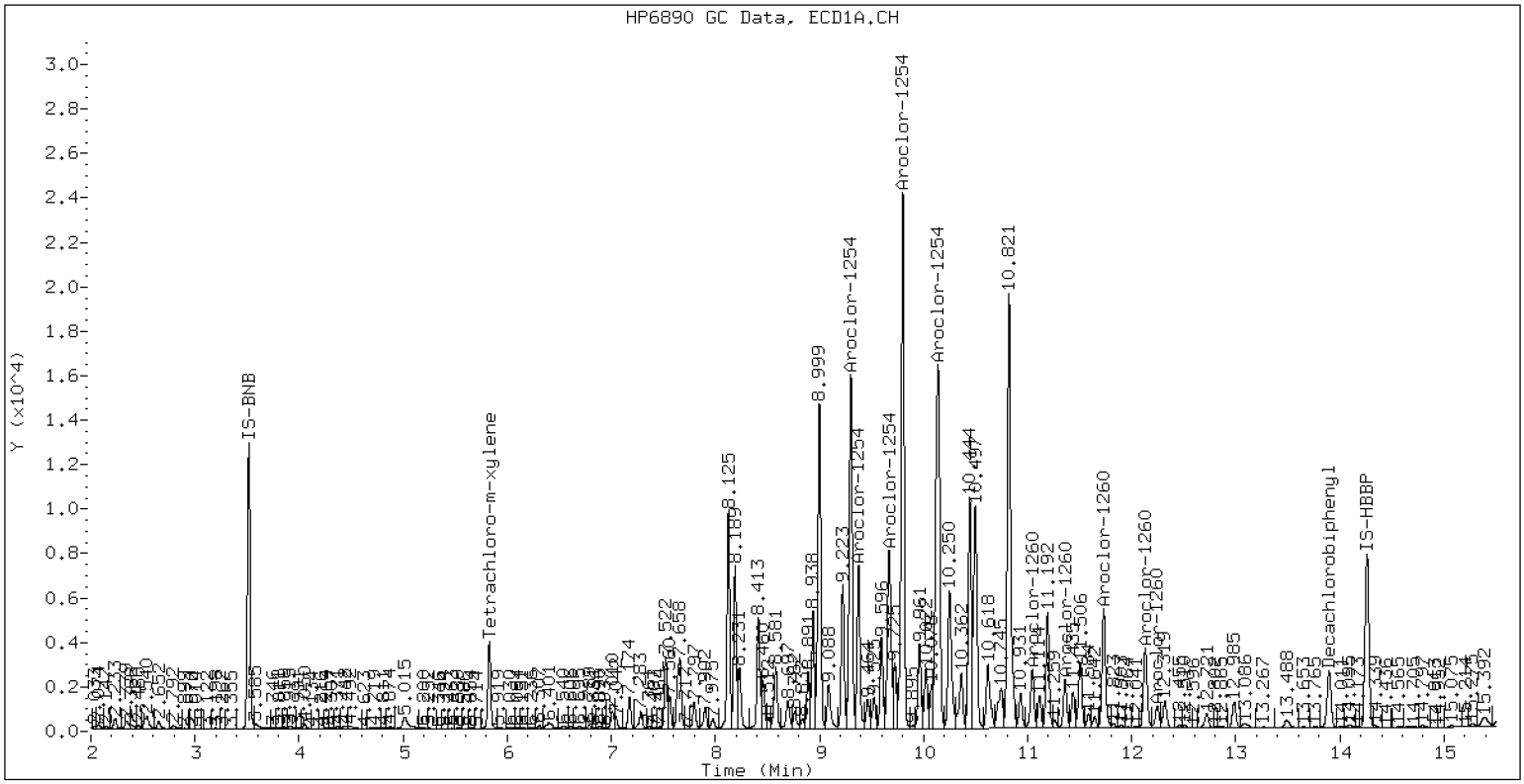
Total PCB Area Col2 (5.813 - 14.037) = 7539425 Col2 Total PCB = 3.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

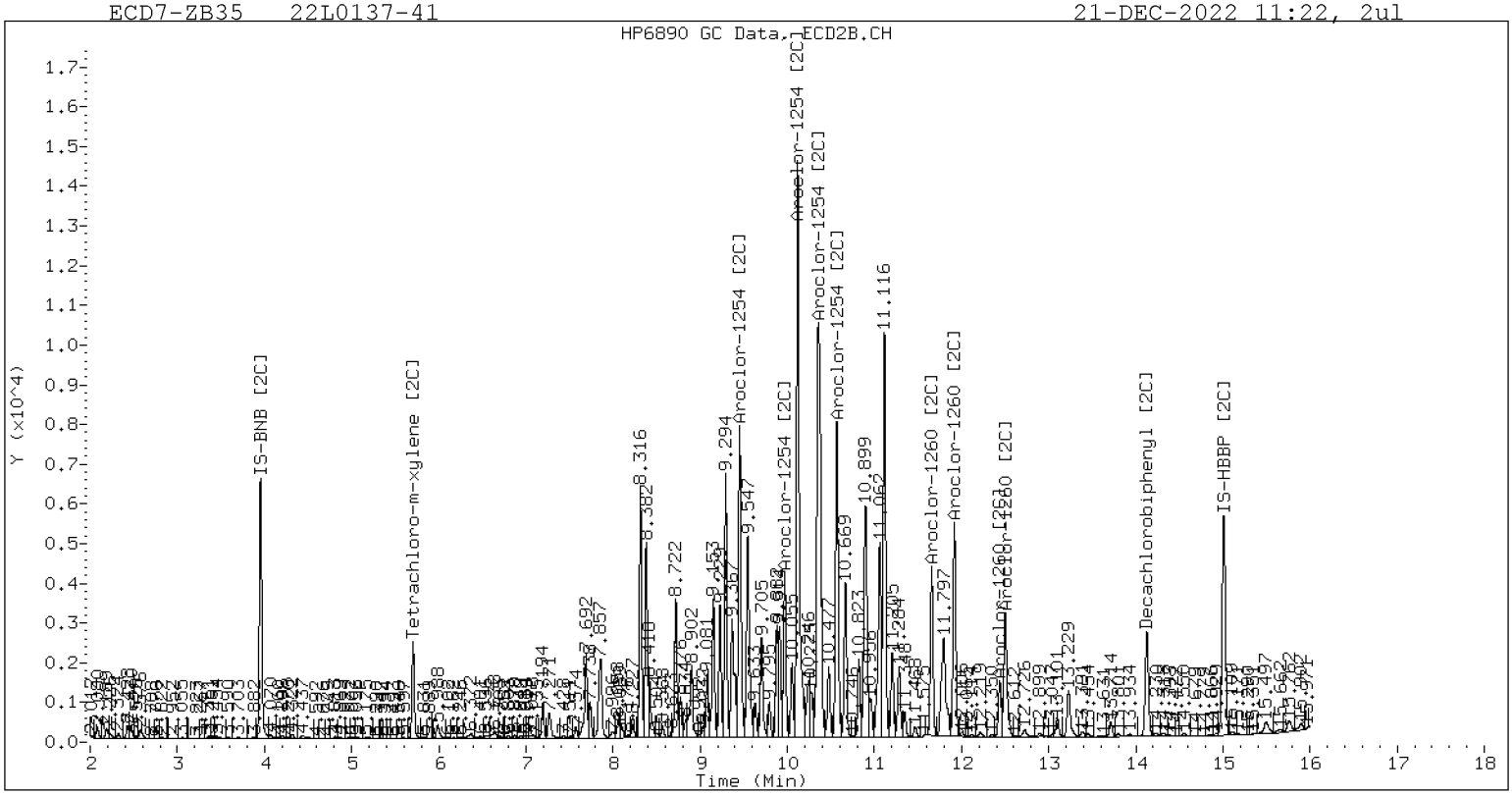
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-41 21-DEC-2022 11:22, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-41 21-DEC-2022 11:22, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-41RE1 B	File ID:	12222221ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 22:55
% Solids:	62.05	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.15 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	218	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	415	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	128	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9980*	*6.96*	*87.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9980*	*4.75*	*59.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222221ECD7.D
Data file 2: /221222.b/221222.b/12222221ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-41RE1
Client ID:
Injection Date: 22-DEC-2022 22:55
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	34194	5.707	-0.007	20191	4.8	5.2	8.9	Tetrachloro-m-xylene
13.897	-0.007	43519	14.125	-0.011	32607	7.0	5.6	20.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	507759	13.4
Hexabromobiphenyl	798898	681961	-14.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	283411	13.8
Hexabromobiphenyl	362541	406808	12.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.014	52190	239.1	1	8.316	-0.010	53245	459.9
Aroclor-1248	2	8.583	-0.021	33661	120.8	2	8.721	-0.011	33958	278.9
Aroclor-1248	3	9.000	-0.022	147471	294.1	3	9.155	-0.023	34569	233.4
Aroclor-1248	4	9.302	-0.009	169670	690.7	4	9.633	0.031	10126	58.2
		Total Col1Ave (4 peaks):			336.1		Total Col2Ave (4 peaks):			257.6 RPD = 26
		Corrected Ave (3 peaks):			218.0		Corrected Ave (3 peaks):			190.2 RPD = 14
Aroclor-1254	1	9.302	-0.019	169670	379.5	1	9.453	-0.014	79835	436.9
Aroclor-1254	2	9.377	-0.025	79439	456.9	2	9.971	-0.015	40243	273.9
Aroclor-1254	3	9.672	-0.023	105348	373.1	3	10.119	-0.020	151394	479.4
Aroclor-1254	4	9.802	-0.029	248040	450.7	4	10.362	-0.027	164234	502.2
Aroclor-1254	5	10.142	-0.047	268014	710.4	5	10.568	-0.018	85986	545.1
		Total Col1Ave (5 peaks):			474.1		Total Col2Ave (5 peaks):			447.5 RPD = 6
		Corrected Ave (4 peaks):			415.0		Corrected Ave (4 peaks):			423.1 RPD = 2
Aroclor-1260	1	11.046	-0.009	36271	146.1	1	11.658	-0.011	43360	201.9
Aroclor-1260	2	11.360	-0.013	27844	108.5	2	11.918	-0.015	56308	104.5
Aroclor-1260	3	11.732	-0.015	81903	121.4	3	12.437	-0.014	18178	126.7
Aroclor-1260	4	12.133	-0.016	52359	152.4	4	12.502	-0.015	41019	114.2
Aroclor-1260	5	12.247	-0.012	15407	109.6	NS	---			----
		Total Col1Ave (5 peaks):			127.6		Total Col2Ave (4 peaks):			136.8 RPD = 7
		Corrected Ave (4 peaks):			121.4		Corrected Ave (3 peaks):			115.1 RPD = 5
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 3051244 Col1 Total PCB = 0.6 ppm*

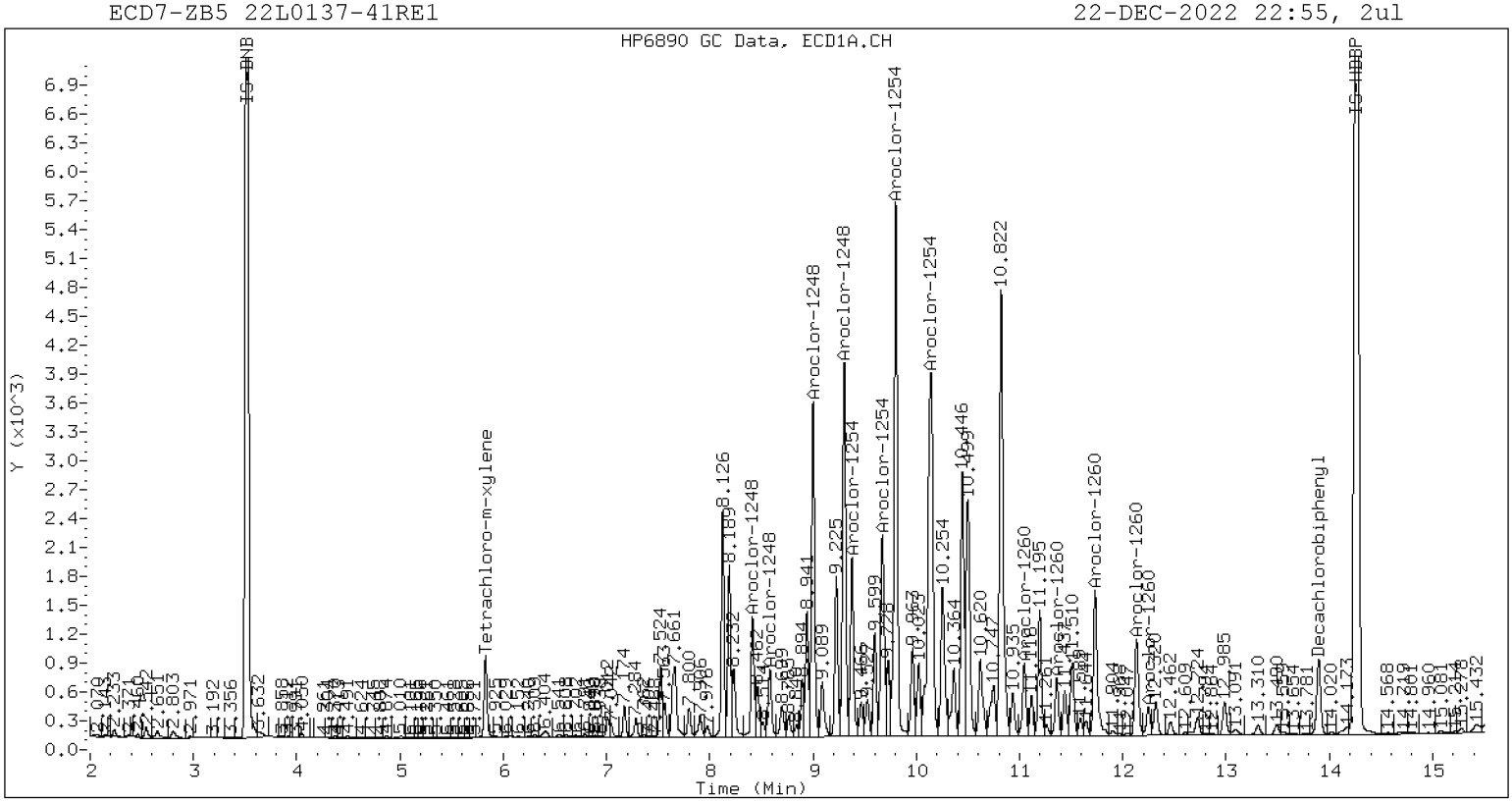
Total PCB Area Col2 (5.813 - 14.037) = 1854744 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

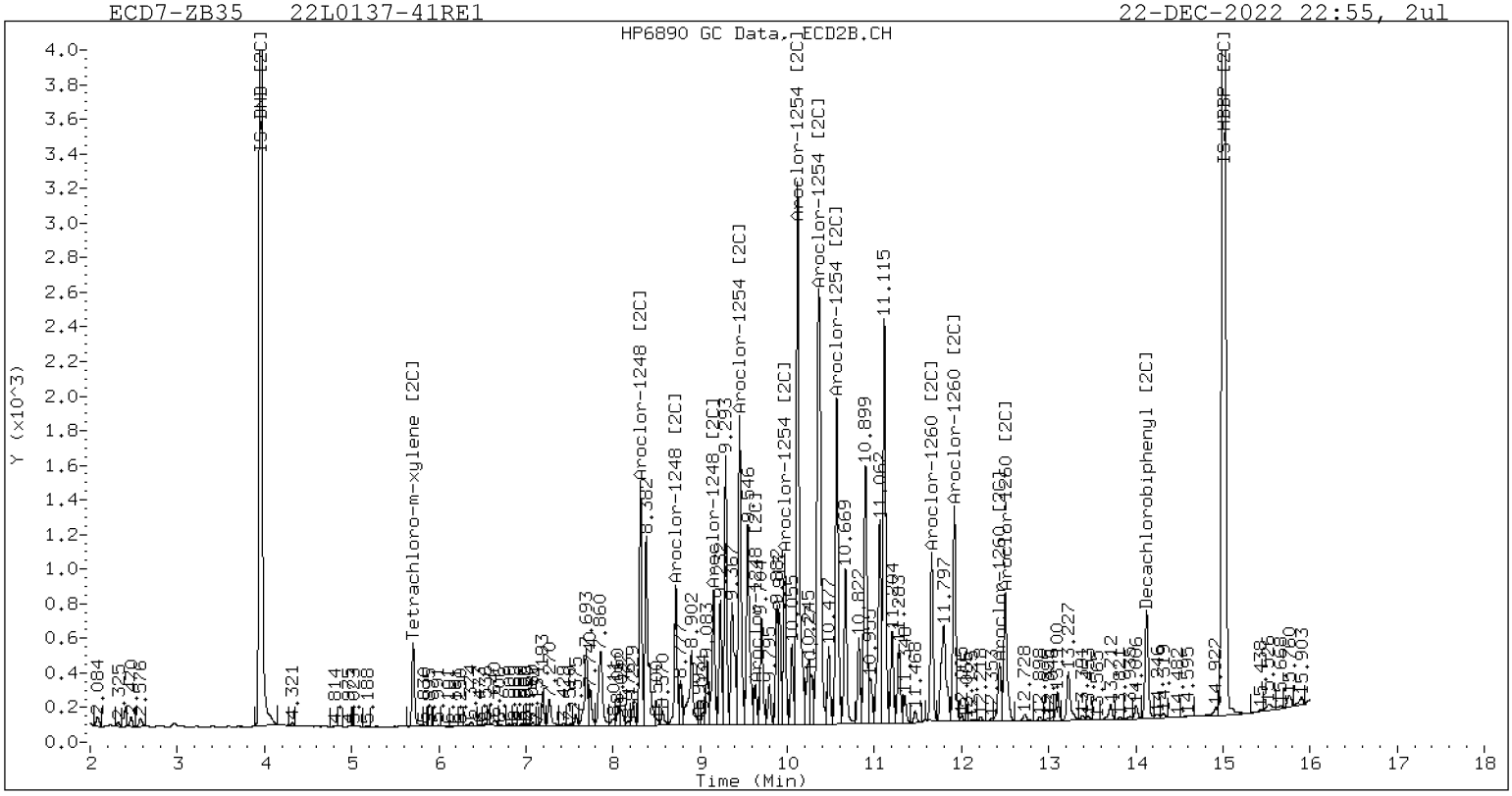
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-41RE1 22-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-41RE1 22-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-42 B	File ID:	12202266ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 11:43
% Solids:	67.10	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.67 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	55.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	123	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	47.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9824*	*7.60*	*95.2*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9824*	*5.07*	*63.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202266ECD7.D
Data file 2: /221220.b/221220.b/12202266ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-42
Client ID:
Injection Date: 21-DEC-2022 11:43
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	178180	5.706	-0.008	108750	25.4	29.0	13.3	Tetrachloro-m-xylene
13.897	-0.011	166417	14.127	-0.009	158949	38.1	34.3	10.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	494452	10.5
Hexabromobiphenyl	798898	476601	-40.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	273160	9.7
Hexabromobiphenyl	362541	326361	-10.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.014	56530	265.9	1	8.316	-0.010	52938	474.4
Aroclor-1248	2	8.581	-0.023	39691	146.2	2	8.722	-0.010	35689	304.1
Aroclor-1248	3	8.999	-0.023	203213	416.2	3	9.154	-0.023	54583	382.3
Aroclor-1248	4	9.302	-0.010	254242	1062.8	4	9.633	0.031	13534	80.8
		Total Col1Ave (4 peaks):			472.8	Total Col2Ave (4 peaks):				310.4 RPD = 41*
		Corrected Ave (3 peaks):			276.1	Corrected Ave (3 peaks):				255.7 RPD = 8
Aroclor-1254	1	9.302	-0.020	254242	584.0	1	9.454	-0.013	130810	742.7
Aroclor-1254	2	9.376	-0.026	126280	745.9	2	9.972	-0.015	48989	346.0
Aroclor-1254	3	9.672	-0.022	141849	515.9	3	10.120	-0.020	216699	712.0
Aroclor-1254	4	9.801	-0.030	330847	617.3	4	10.356	-0.033	257685	817.5
Aroclor-1254	5	10.141	-0.048	363827	990.3	5	10.569	-0.017	140608	924.9
		Total Col1Ave (5 peaks):			690.7	Total Col2Ave (5 peaks):				708.6 RPD = 3
		Corrected Ave (4 peaks):			615.8	Corrected Ave (4 peaks):				654.6 RPD = 6
Aroclor-1260	1	11.046	-0.016	47415	273.3	1	11.658	-0.011	65899	382.5
Aroclor-1260	2	11.360	-0.017	37284	207.8	2	11.918	-0.014	82703	191.3
Aroclor-1260	3	11.730	-0.022	98573	209.1	3	12.439	-0.013	23518	204.3
Aroclor-1260	4	12.130	-0.029	68492	285.3	4	12.501	-0.015	60614	210.3
Aroclor-1260	5	12.245	-0.016	21900	222.8	NS	---			----
		Total Col1Ave (5 peaks):			239.7	Total Col2Ave (4 peaks):				247.1 RPD = 3
		Corrected Ave (4 peaks):			228.3	Corrected Ave (3 peaks):				202.0 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 4168902 Col1 Total PCB = 0.9 ppm*

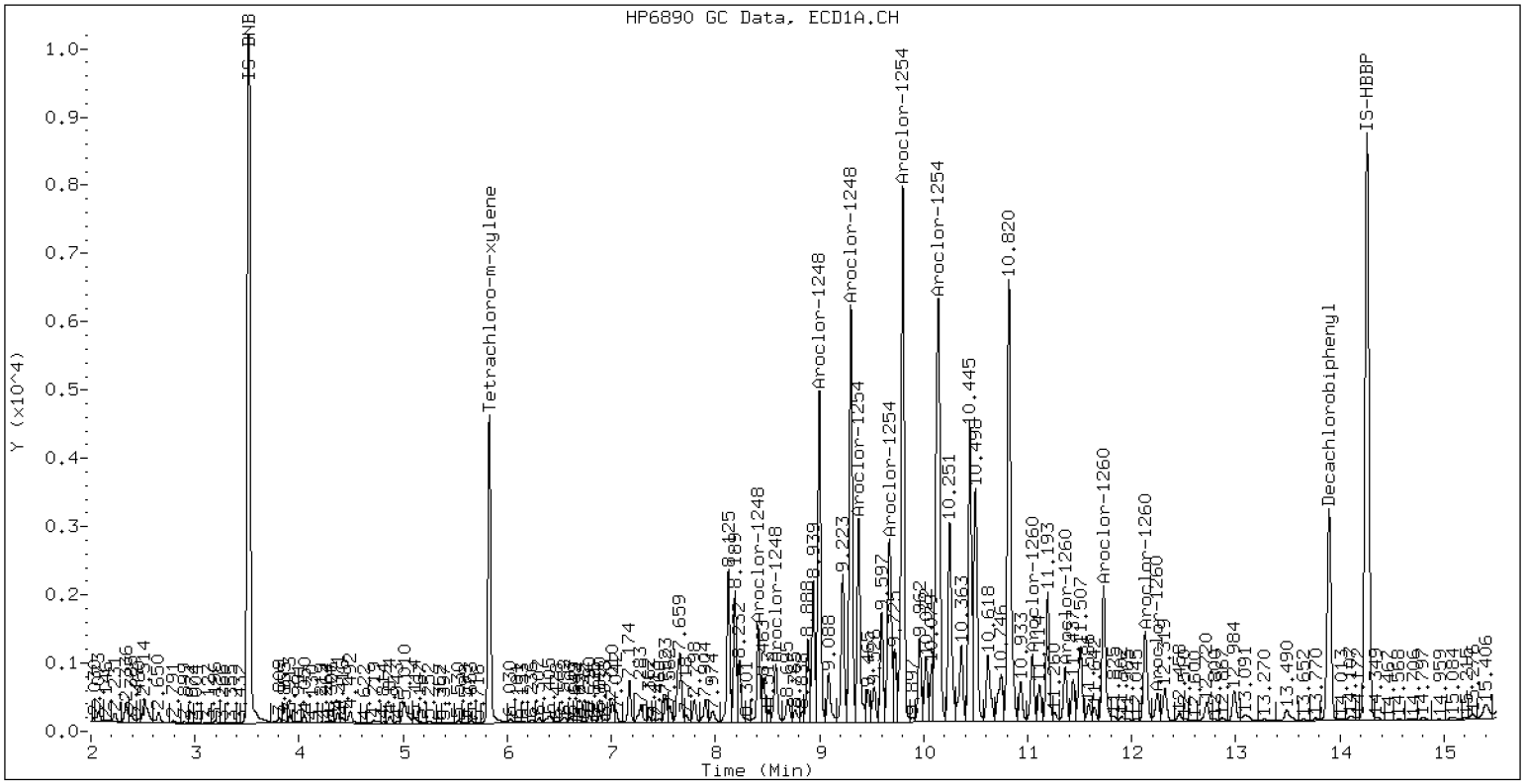
Total PCB Area Col2 (5.813 - 14.037) = 2724579 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

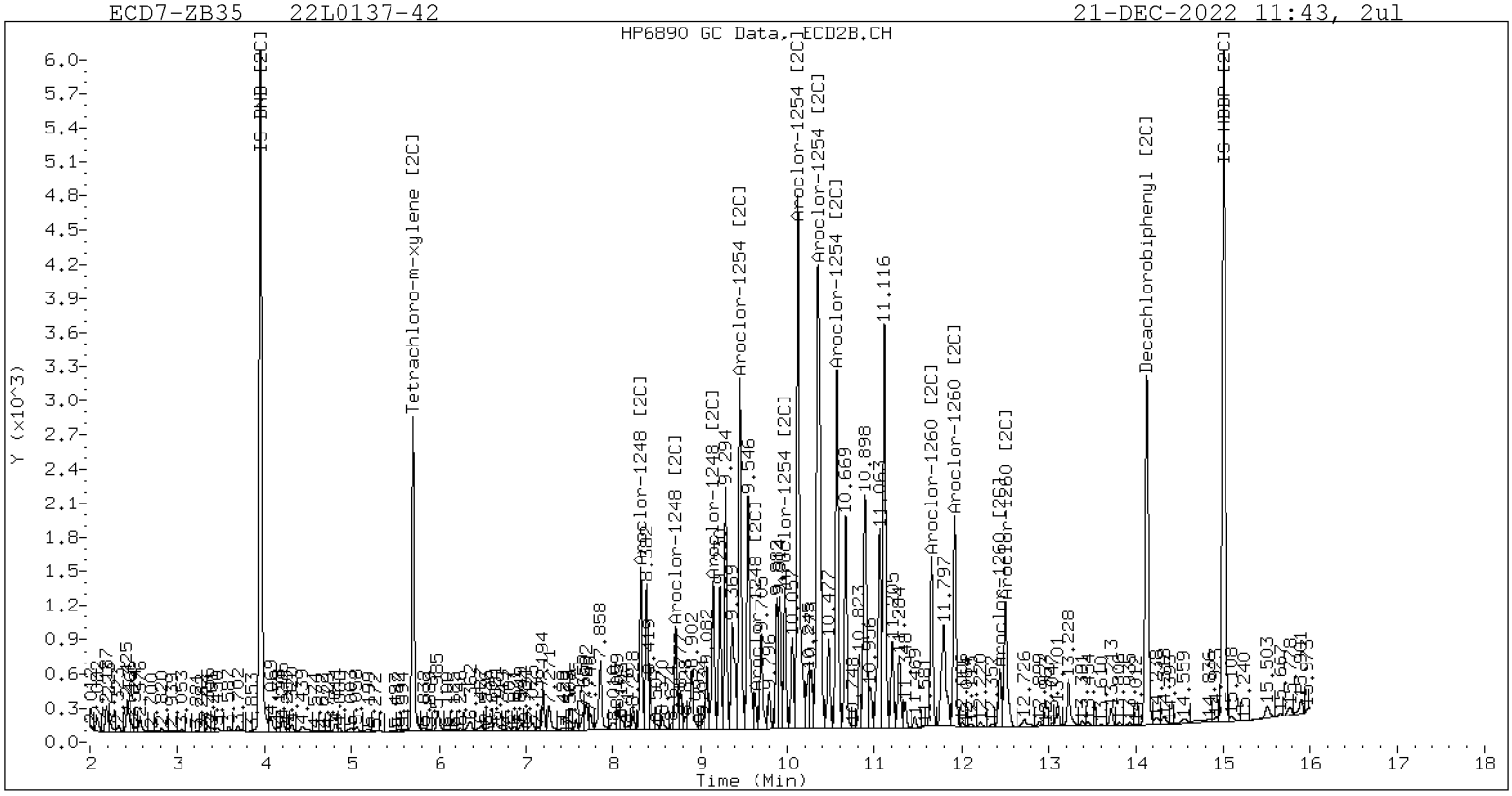
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-42 21-DEC-2022 11:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-42 21-DEC-2022 11:43, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-43 B	File ID:	12202269ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 12:47
% Solids:	65.80	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.06 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	82.5	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	91.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	45.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9735*	*7.69*	*96.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9735*	*5.15*	*64.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202269ECD7.D
Data file 2: /221220.b/221220.b/12202269ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-43
Client ID:
Injection Date: 21-DEC-2022 12:47
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	173811	5.706	-0.007	108901	25.9	29.9	14.7	Tetrachloro-m-xylene
13.896	-0.011	168603	14.129	-0.008	159882	38.6	34.7	10.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	474414	6.0
Hexabromobiphenyl	798898	476791	-40.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	265317	6.5
Hexabromobiphenyl	362541	324701	-10.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	96564	473.4	1	8.317	-0.009	69983	645.7
Aroclor-1248	2	8.581	-0.023	80261	308.2	2	8.723	-0.010	62700	550.0
Aroclor-1248	3	8.998	-0.024	215980	461.0	3	9.154	-0.023	73335	528.9
Aroclor-1248	4	9.301	-0.010	195093	850.0	4	9.633	0.031	9966	61.2
		Total Col1Ave (4 peaks):			523.1		Total Col2Ave (4 peaks):			446.4 RPD = 16
		Corrected Ave (3 peaks):			414.2		Corrected Ave (3 peaks):			380.0 RPD = 9
Aroclor-1254	1	9.301	-0.020	195093	467.1	1	9.455	-0.012	96918	566.6
Aroclor-1254	2	9.423	0.021	9500	58.5	2	9.972	-0.015	36883	268.2
Aroclor-1254	3	9.677	-0.018	129233	489.8	3	10.120	-0.019	174191	589.2
Aroclor-1254	4	9.801	-0.029	274496	533.8	4	10.358	-0.031	187610	612.8
Aroclor-1254	5	10.142	-0.047	259843	737.1	5	10.570	-0.016	98118	664.5
		Total Col1Ave (5 peaks):			457.3		Total Col2Ave (5 peaks):			540.3 RPD = 17
		Corrected Ave (4 peaks):			387.3		Corrected Ave (4 peaks):			509.2 RPD = 27
Aroclor-1260	1	11.046	-0.016	49397	284.6	1	11.658	-0.011	44127	257.5
Aroclor-1260	2	11.360	-0.018	36526	203.5	2	11.919	-0.013	74179	172.5
Aroclor-1260	3	11.730	-0.021	92243	195.6	3	12.438	-0.014	25391	221.7
Aroclor-1260	4	12.131	-0.027	48501	201.9	4	12.502	-0.015	51840	180.8
Aroclor-1260	5	12.247	-0.014	25324	257.6	NS	---			----
		Total Col1Ave (5 peaks):			228.6		Total Col2Ave (4 peaks):			208.1 RPD = 9
		Corrected Ave (4 peaks):			214.6		Corrected Ave (3 peaks):			191.7 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 4018686 Col1 Total PCB = 0.9 ppm*

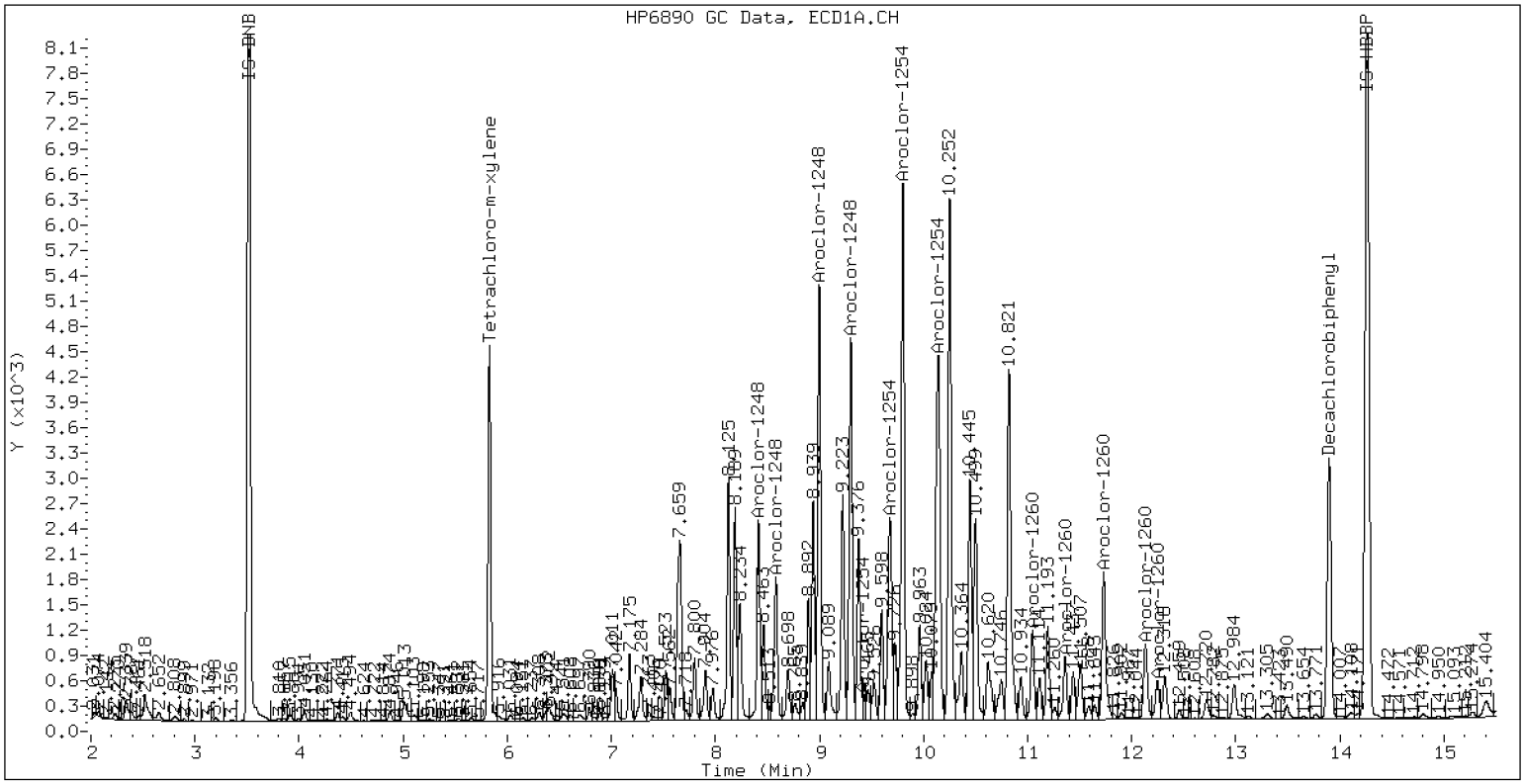
Total PCB Area Col2 (5.813 - 14.037) = 2626294 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

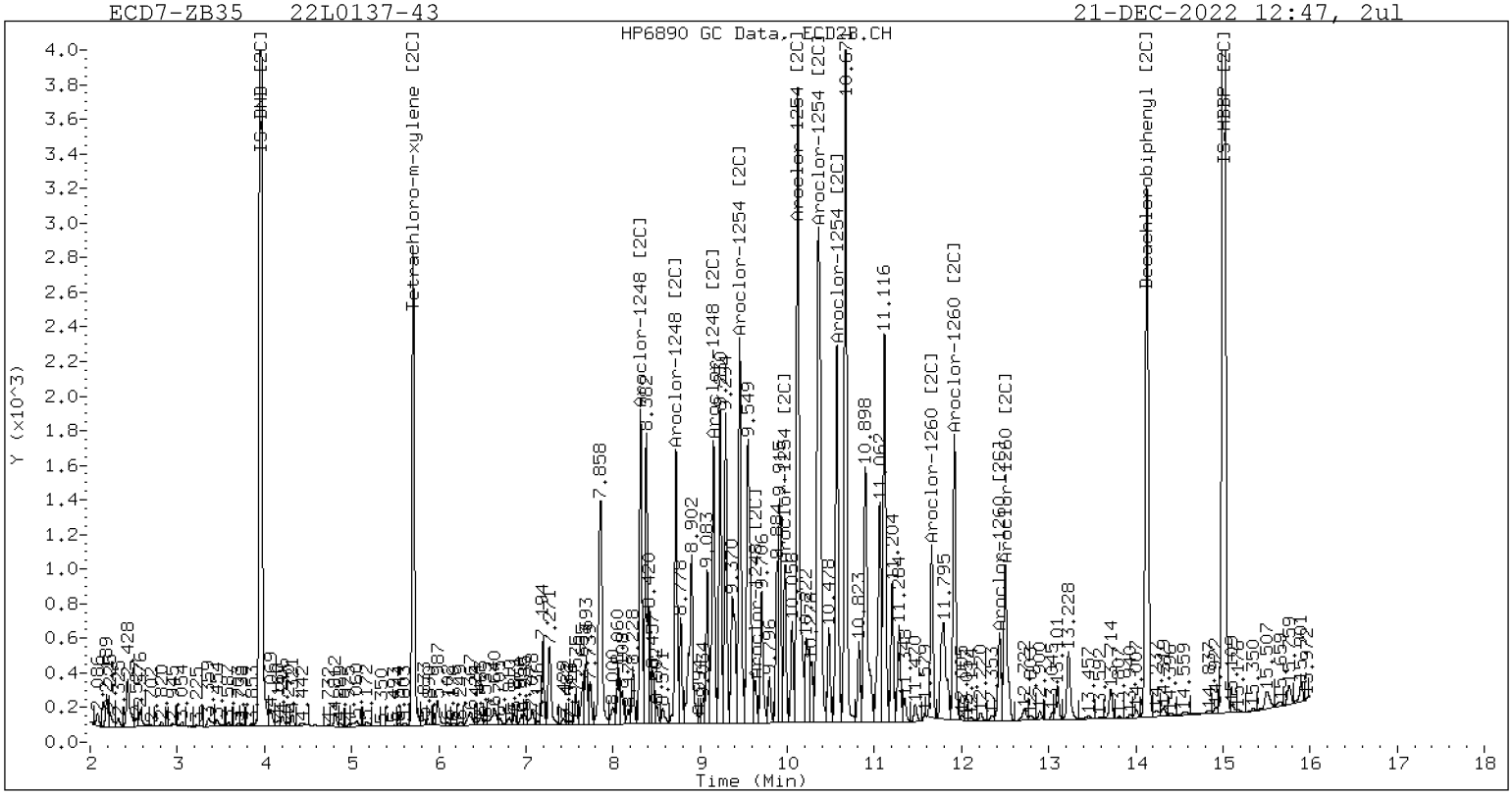
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-43 21-DEC-2022 12:47, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-43 21-DEC-2022 12:47, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-44 B	File ID:	12202270ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:08
% Solids:	67.27	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.62 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	79.0	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	60.7	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9836*	*7.13*	*89.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9836*	*4.48*	*56.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202270ECD7.D
Data file 2: /221220.b/221220.b/12202270ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-44
Client ID:
Injection Date: 21-DEC-2022 13:08
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	152669	5.707	-0.006	95220	22.5	26.0	14.7	Tetrachloro-m-xylene
13.897	-0.011	154359	14.127	-0.009	145952	35.7	31.2	13.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	479733	7.2
Hexabromobiphenyl	798898	471596	-41.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	266869	7.1
Hexabromobiphenyl	362541	329679	-9.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	9.301	-0.020	144837	342.9	1	9.454	-0.013	77619	451.1
Aroclor-1254	2	9.376	-0.025	69741	424.6	2	9.972	-0.014	33499	242.2
Aroclor-1254	3	9.676	-0.018	110970	416.0	3	10.120	-0.020	135936	457.2
Aroclor-1254	4	9.801	-0.030	208699	401.3	4	10.360	-0.029	162365	527.3
Aroclor-1254	5	10.139	-0.050	222774	624.9	5	10.569	-0.017	97772	658.3
		Total Col1Ave (5 peaks):			441.9		Total Col2Ave (5 peaks):			467.2 RPD = 6
		Corrected Ave (4 peaks):			396.2		Corrected Ave (4 peaks):			419.4 RPD = 6
Aroclor-1260	1	11.046	-0.016	63887	372.2	1	11.658	-0.011	52360	300.9
Aroclor-1260	2	11.360	-0.018	44110	248.4	2	11.919	-0.014	102705	235.2
Aroclor-1260	3	11.731	-0.021	125094	268.2	3	12.438	-0.014	35240	303.1
Aroclor-1260	4	12.131	-0.027	63437	267.0	4	12.502	-0.014	71535	245.7
Aroclor-1260	5	12.246	-0.016	35588	365.9	NS	---			----
		Total Col1Ave (5 peaks):			304.3		Total Col2Ave (4 peaks):			271.2 RPD = 12
		Corrected Ave (4 peaks):			287.4		Corrected Ave (3 peaks):			260.6 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 3273516 Col1 Total PCB = 0.7 ppm*

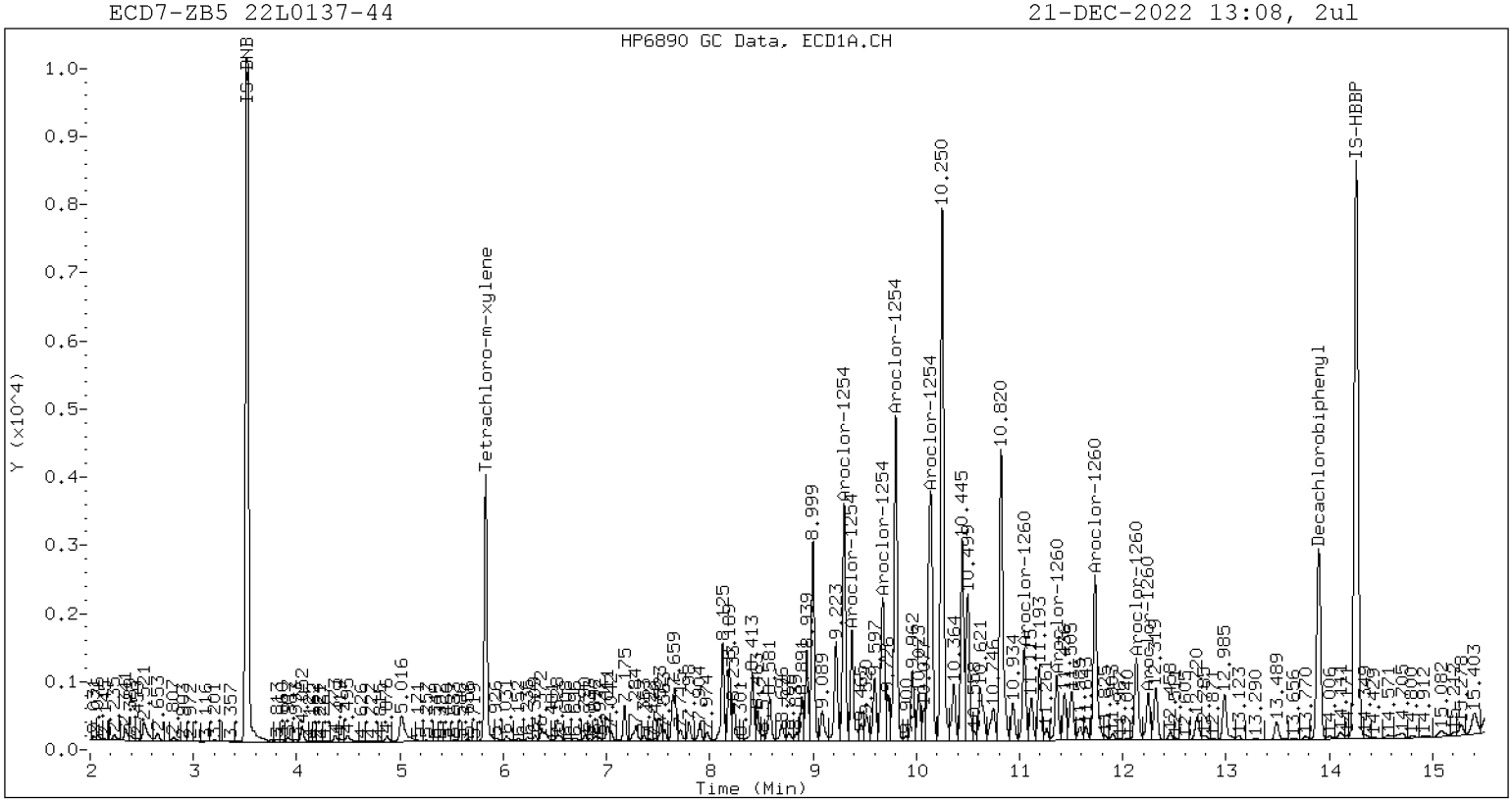
Total PCB Area Col2 (5.813 - 14.037) = 2188910 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

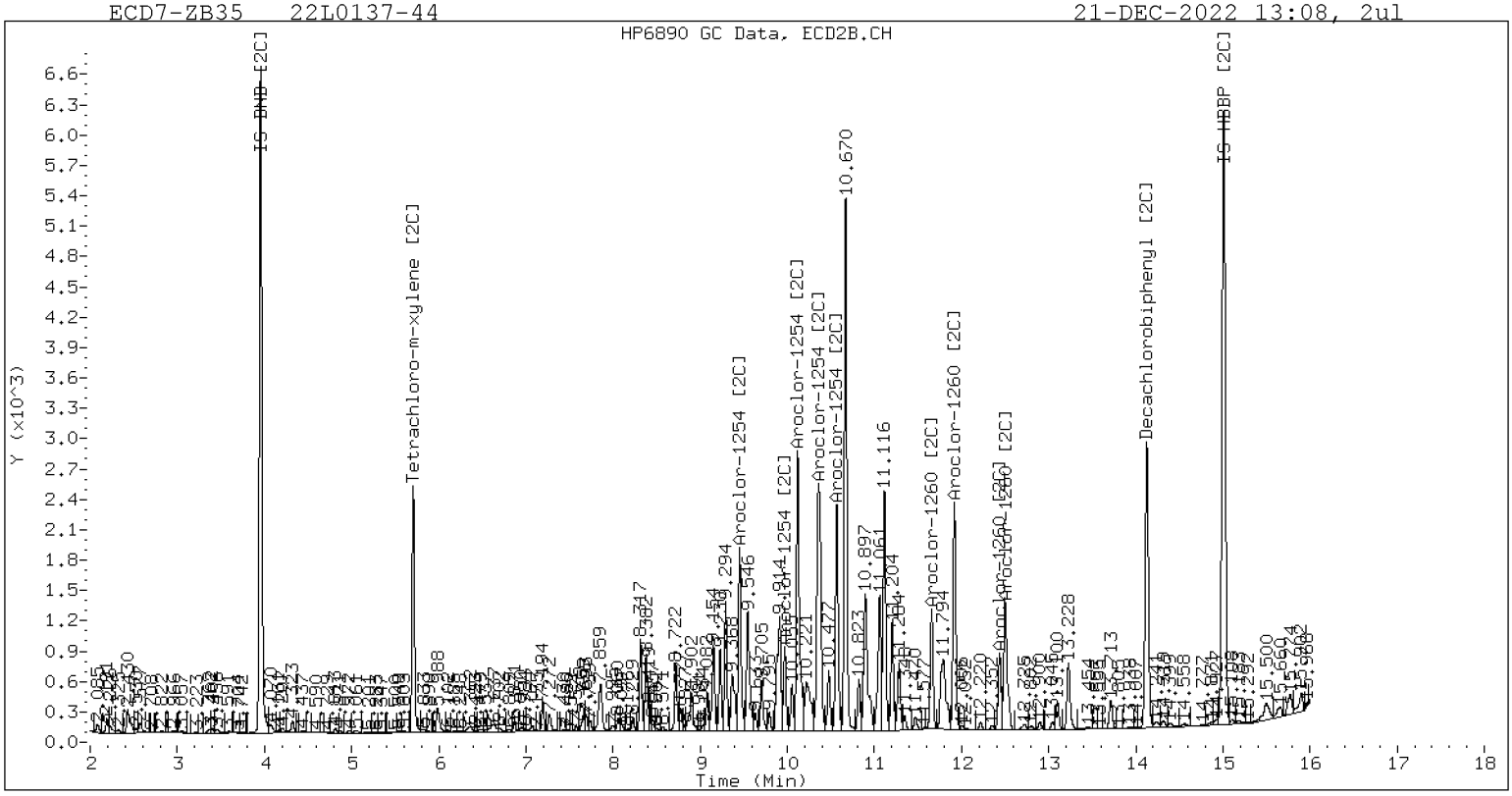
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-44 21-DEC-2022 13:08, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-44 21-DEC-2022 13:08, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-45 B	File ID:	12202271ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:29
% Solids:	57.35	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.81 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	255	0.6	4.0	E

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9949*	*9.04*	*113*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9949*	*4.34*	*54.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202271ECD7.D
Data file 2: /221220.b/221220.b/12202271ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-45
Client ID:
Injection Date: 21-DEC-2022 13:29
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	139388	5.706	-0.007	90547	21.7	26.0	17.8	Tetrachloro-m-xylene
13.897	-0.011	166286	14.128	-0.009	171977	45.2	41.0	9.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	452720	1.1
Hexabromobiphenyl	798898	401223	-49.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	254267	2.1
Hexabromobiphenyl	362541	295324	-18.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	11.045	-0.017	211859	1450.6	1	11.658	-0.011	128048	821.4
Aroclor-1260	2	11.361	-0.016	147365	975.6	2	11.919	-0.013	401580	1026.6
Aroclor-1260	3	11.731	-0.021	465761	1173.5	3	12.439	-0.013	167692	1609.9
Aroclor-1260	4	12.132	-0.026	182165	901.3	4	12.503	-0.013	283736	1088.1
Aroclor-1260	5	12.246	-0.015	155992	1885.3	NS	---			----
		Total Col1Ave (5 peaks): 1277.3				Total Col2Ave (4 peaks): 1136.5				RPD = 12
		Corrected Ave (4 peaks): 1125.3				Corrected Ave (3 peaks): 978.7				RPD = 14
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 3305950 Col1 Total PCB = 0.8 ppm*

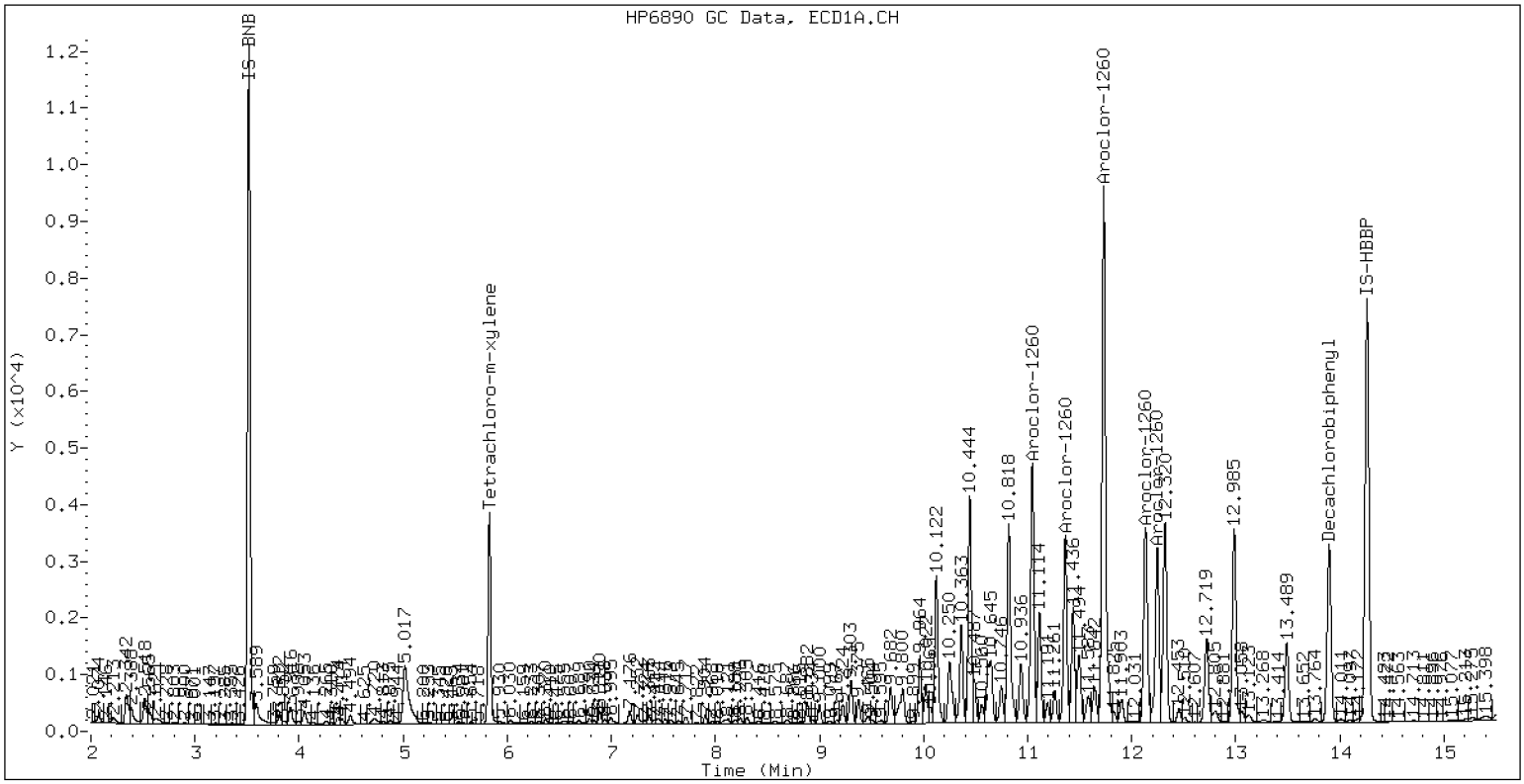
Total PCB Area Col2 (5.813 - 14.037) = 2700562 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

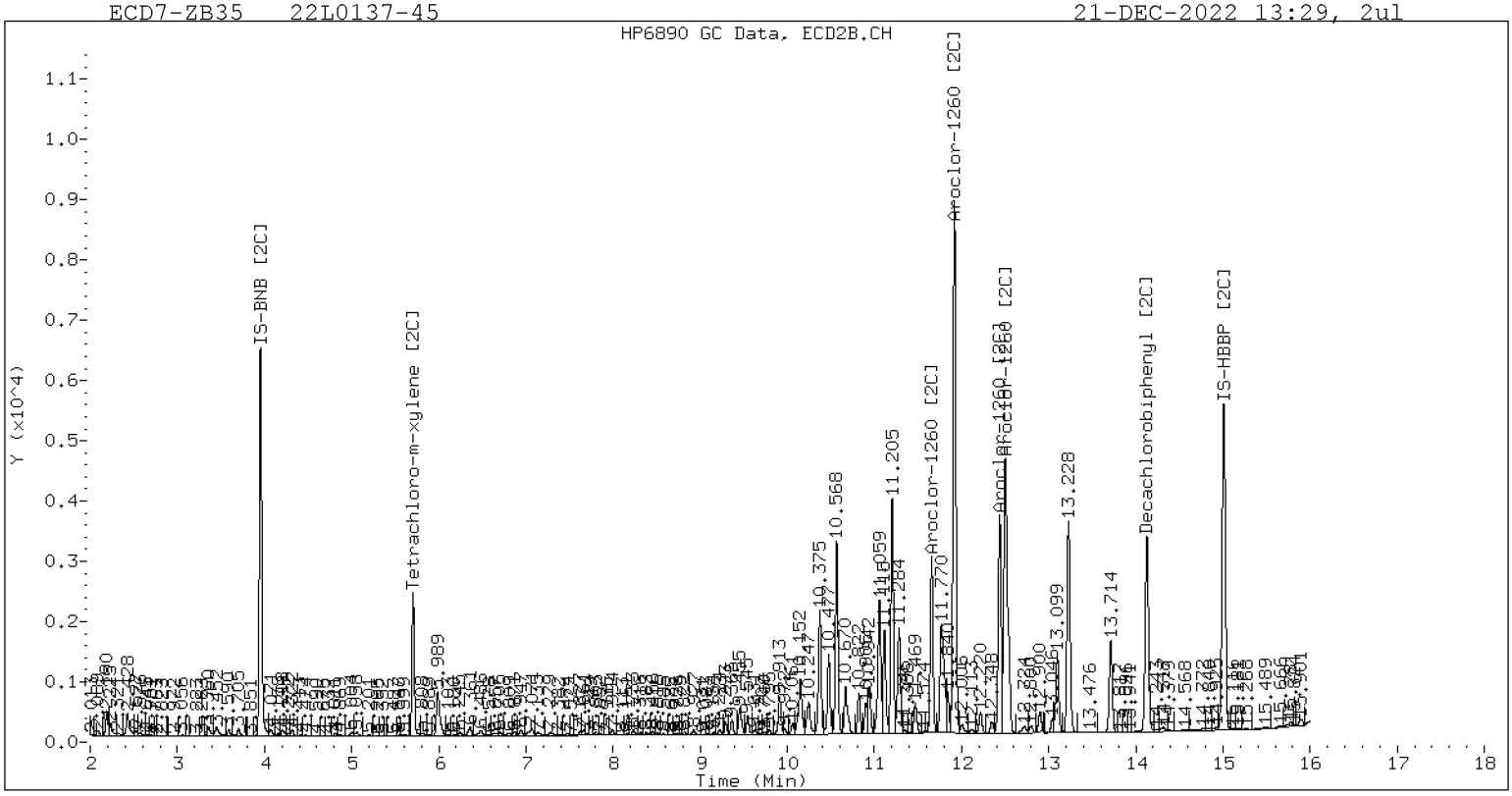
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-45 21-DEC-2022 13:29, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-45 21-DEC-2022 13:29, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-45RE1 B	File ID:	12222222ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:16
% Solids:	57.35	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.81 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	20.0	7.8	20.0	U
11097-69-1	Aroclor 1254	1	5	20.0	7.8	20.0	U
11096-82-5	Aroclor 1260	1	5	226	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9949*	*8.59*	*107*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9949*	*4.60*	*57.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222222ECD7.D
Data file 2: /221222.b/221222.b/12222222ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-45RE1
Client ID:
Injection Date: 22-DEC-2022 23:16
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	31951	5.706	-0.007	18864	4.6	5.1	9.9	Tetrachloro-m-xylene
13.898	-0.006	48173	14.127	-0.009	37780	8.6	7.0	20.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	489419	9.3
Hexabromobiphenyl	798898	611184	-23.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270515	8.6
Hexabromobiphenyl	362541	378838	4.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	11.047	-0.009	56755	255.1	1	11.657	-0.012	30498	152.5
Aroclor-1260	2	11.361	-0.012	38547	167.5	2	11.917	-0.015	89568	178.5
Aroclor-1260	3	11.732	-0.014	126439	209.1	3	12.437	-0.014	38881	291.0
Aroclor-1260	4	12.133	-0.016	49481	160.7	4	12.503	-0.014	64488	192.8
Aroclor-1260	5	12.247	-0.012	42659	338.5	NS	---			----
	Total Col1Ave (5 peaks):				226.2	Total Col2Ave (4 peaks):				203.7 RPD = 10
	Corrected Ave (4 peaks):				198.1	Corrected Ave (3 peaks):				174.6 RPD = 13
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 936210 Col1 Total PCB = 0.2 ppm*

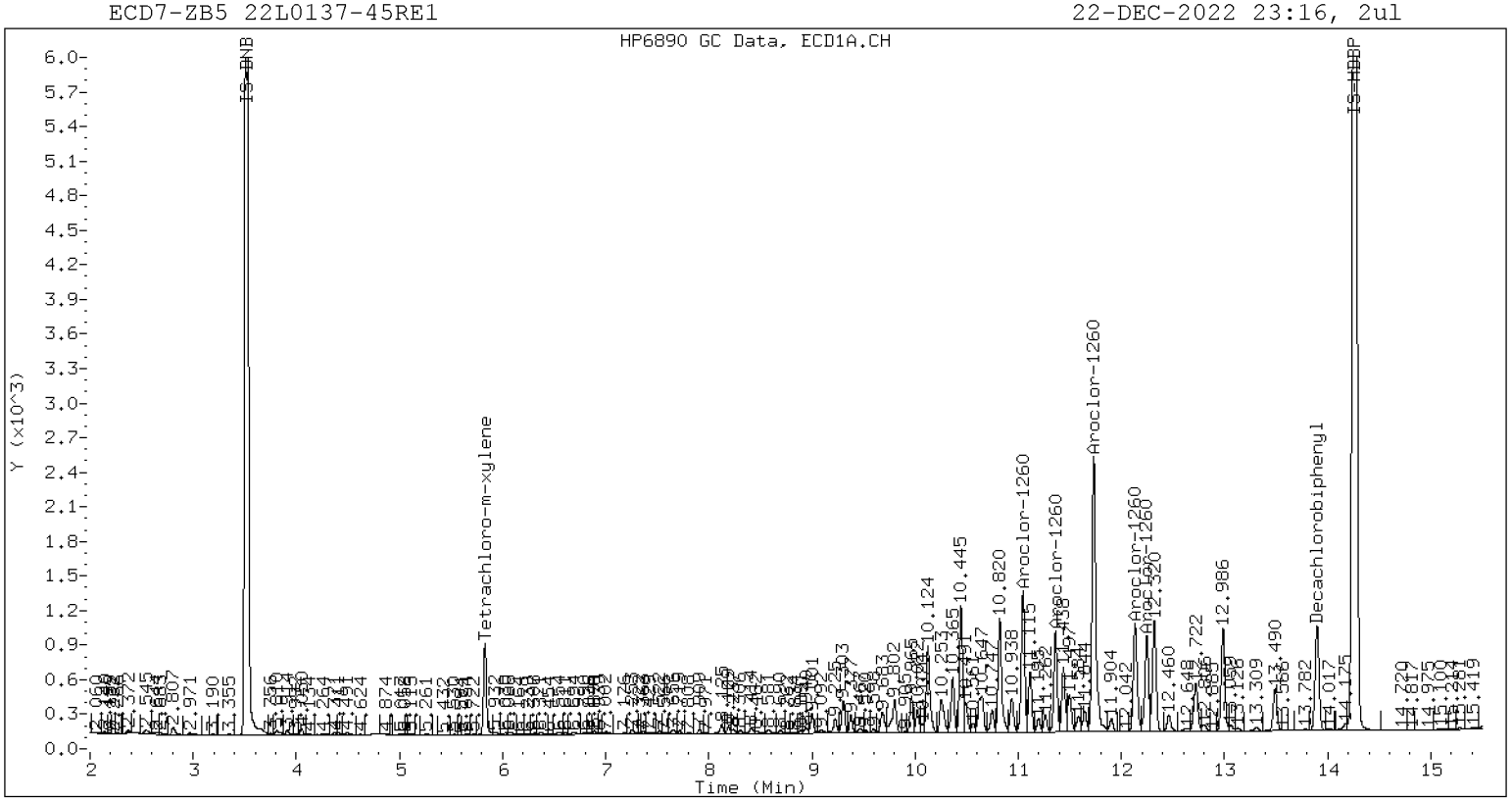
Total PCB Area Col2 (5.813 - 14.037) = 654831 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

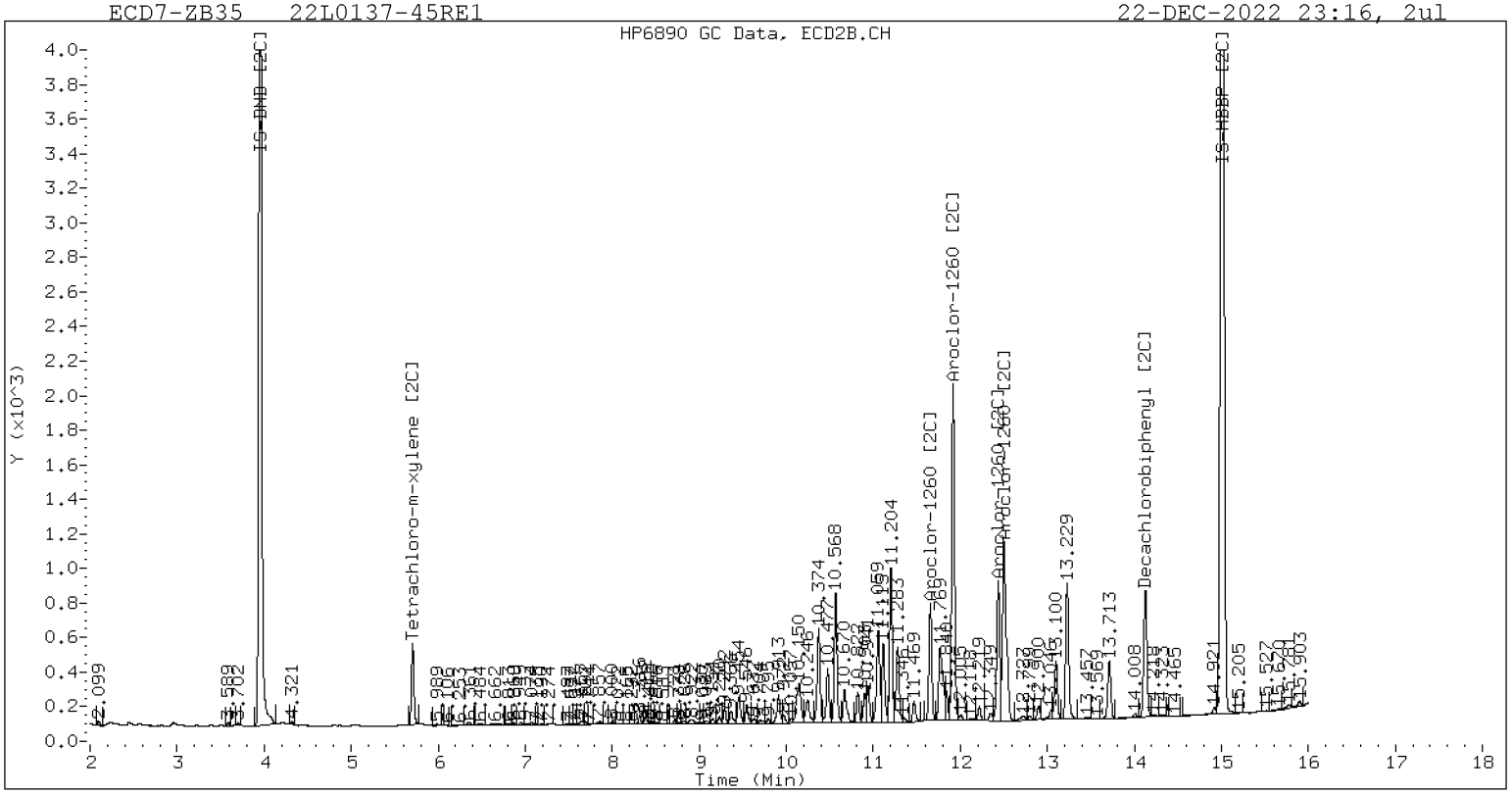
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-45RE1 22-DEC-2022 23:16, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-45RE1 22-DEC-2022 23:16, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC776M

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-46 B	File ID:	12202272ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:50
% Solids:	63.47	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.69 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	32.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0018*	*8.11*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0018*	*5.33*	*66.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202272ECD7.D
Data file 2: /221220.b/221220.b/12202272ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-46
Client ID:
Injection Date: 21-DEC-2022 13:50
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	175961	5.707	-0.007	117231	26.6	31.6	16.9	Tetrachloro-m-xylene
13.897	-0.010	177868	14.128	-0.009	168324	40.5	35.9	12.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	466258	4.2
Hexabromobiphenyl	798898	478802	-40.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270961	8.8
Hexabromobiphenyl	362541	330190	-8.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	11.048	-0.015	41936	240.6	1	11.658	-0.011	17944	103.0
Aroclor-1260	2	11.358	-0.019	22157	122.9	2	11.920	-0.013	64324	147.1
Aroclor-1260	3	11.730	-0.022	79977	168.9	3	12.439	-0.013	28480	244.5
Aroclor-1260	4	12.132	-0.026	27957	115.9	4	12.503	-0.013	46633	159.9
Aroclor-1260	5	12.246	-0.015	29469	298.5	NS	---			----
		Total Col1Ave (5 peaks):			189.4	Total Col2Ave (4 peaks):				163.6 RPD = 15
		Corrected Ave (4 peaks):			162.1	Corrected Ave (3 peaks):				136.7 RPD = 17
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 6343871 Col1 Total PCB = 1.4 ppm*

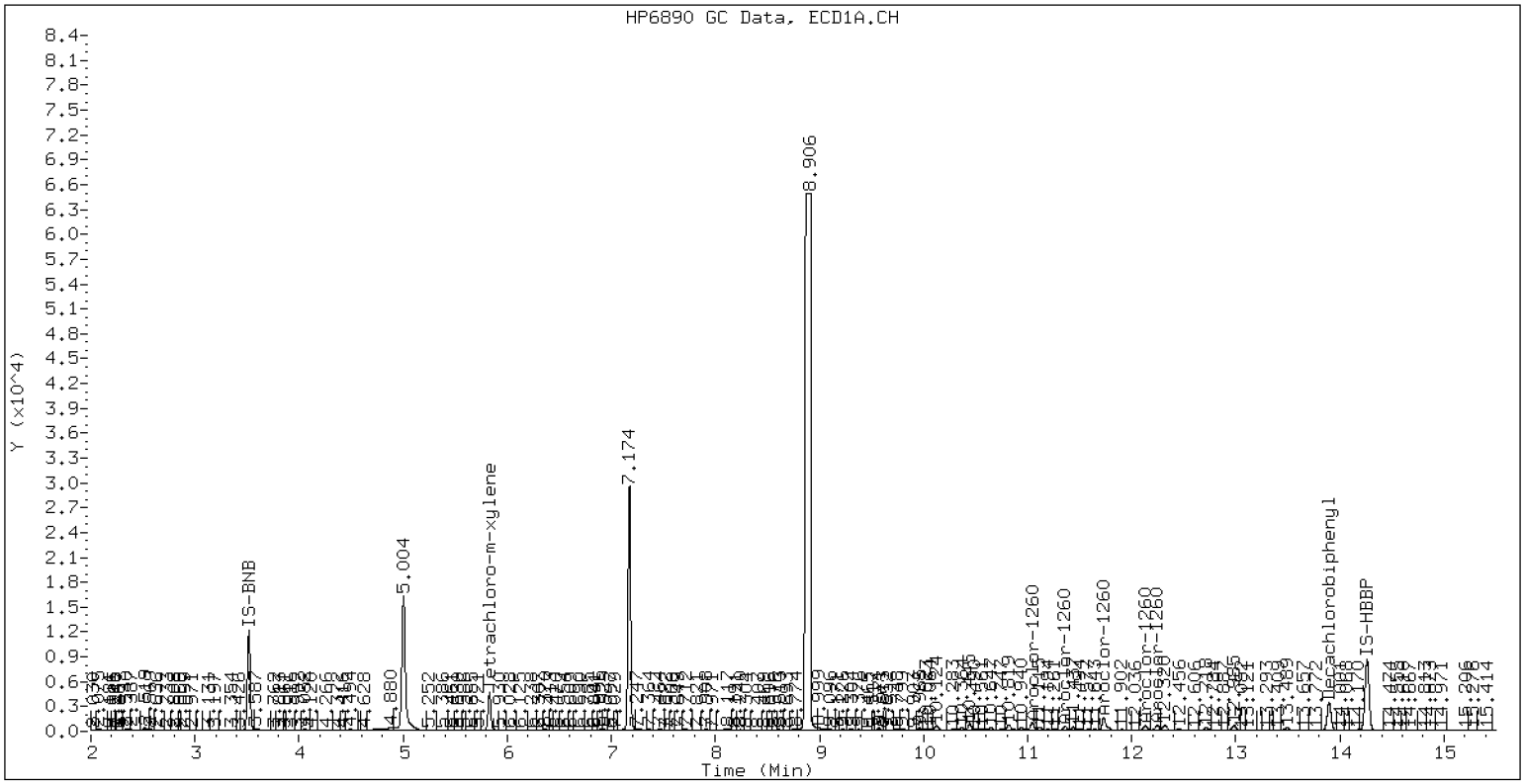
Total PCB Area Col2 (5.813 - 14.037) = 4245555 Col2 Total PCB = 1.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

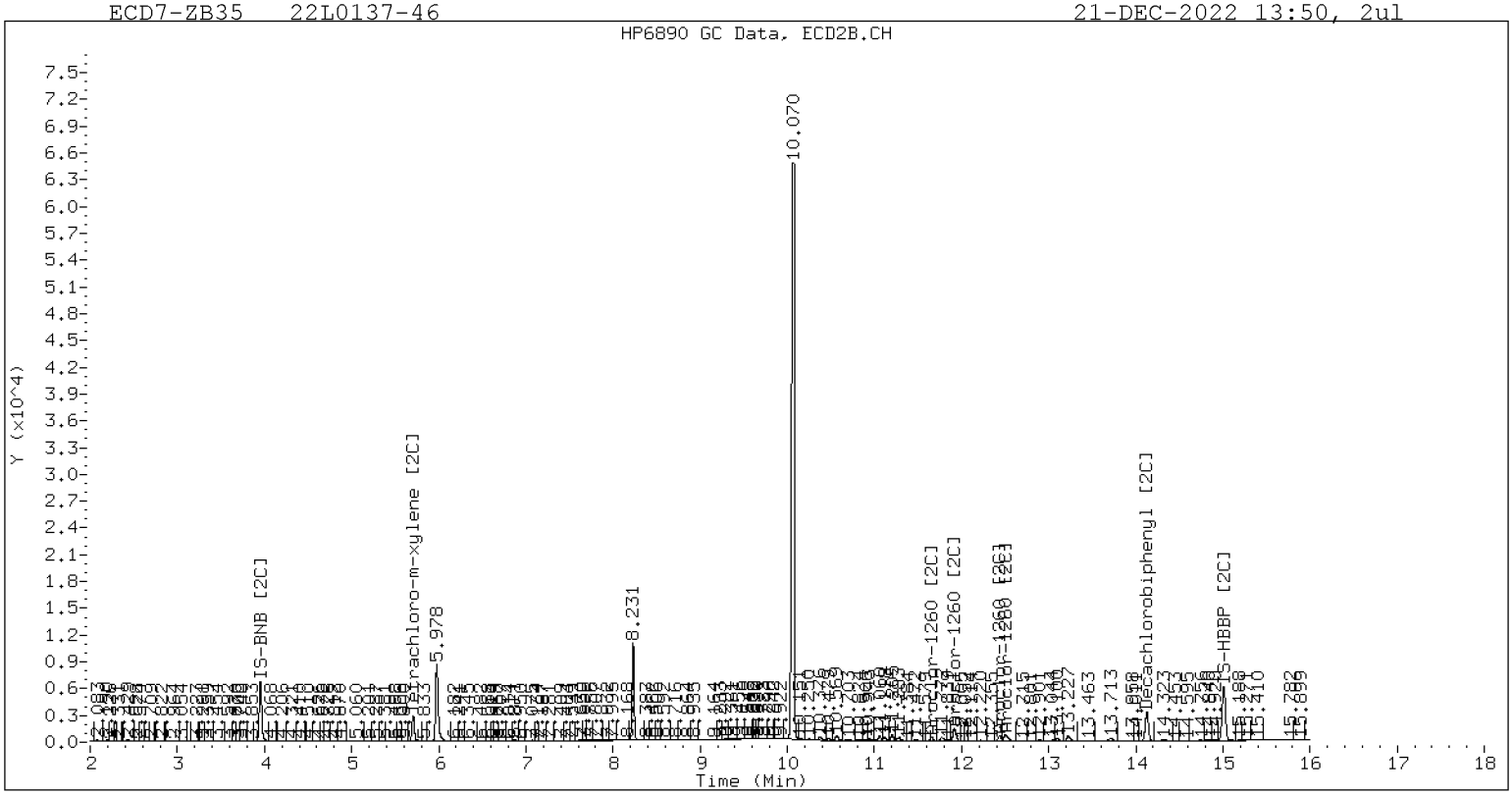
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-46 21-DEC-2022 13:50, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-46 21-DEC-2022 13:50, 2ul

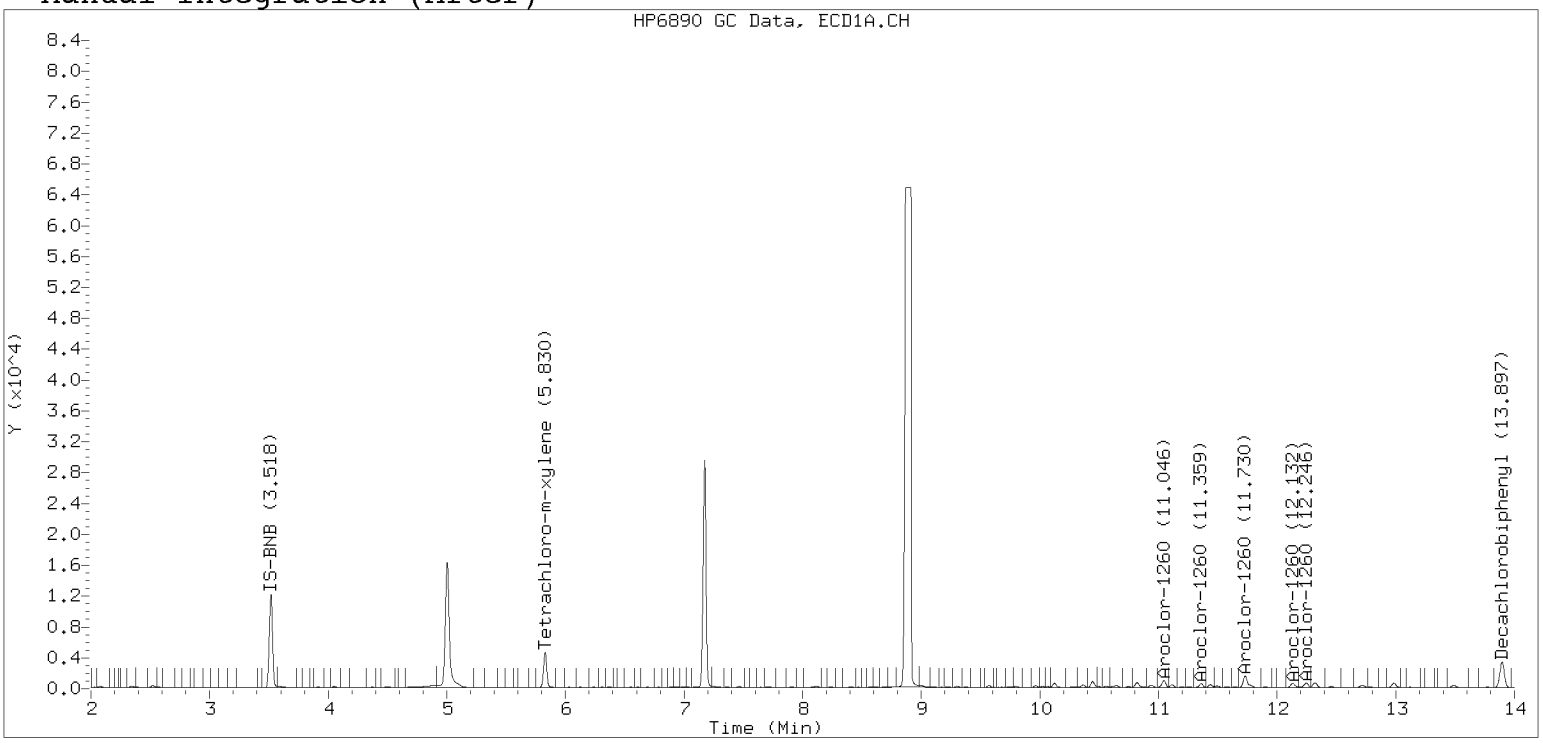


ZB-35 Manual Integration: NO

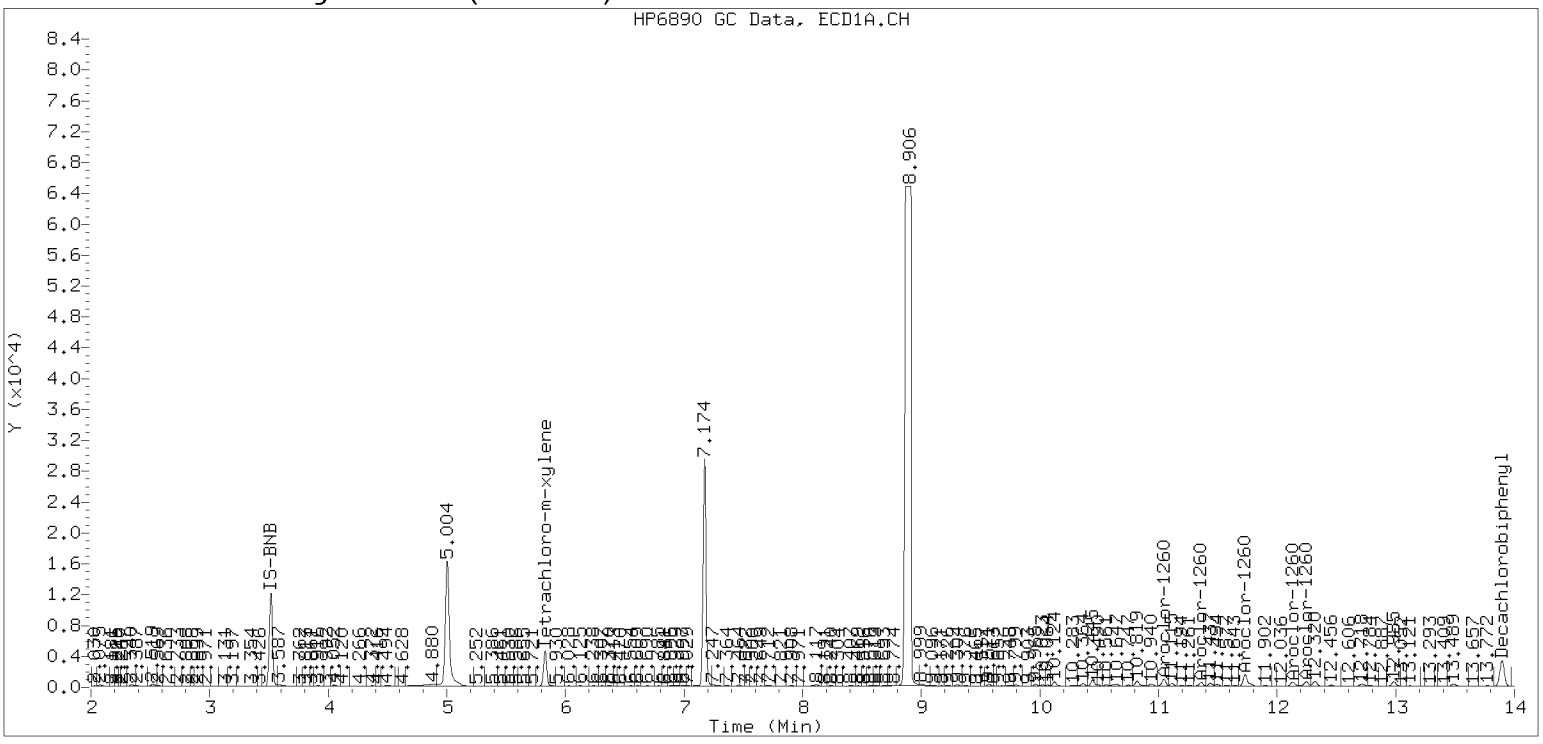
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202272ECD7.D Injection Date: 21-DEC-2022 13:50

Manual Integration (After)



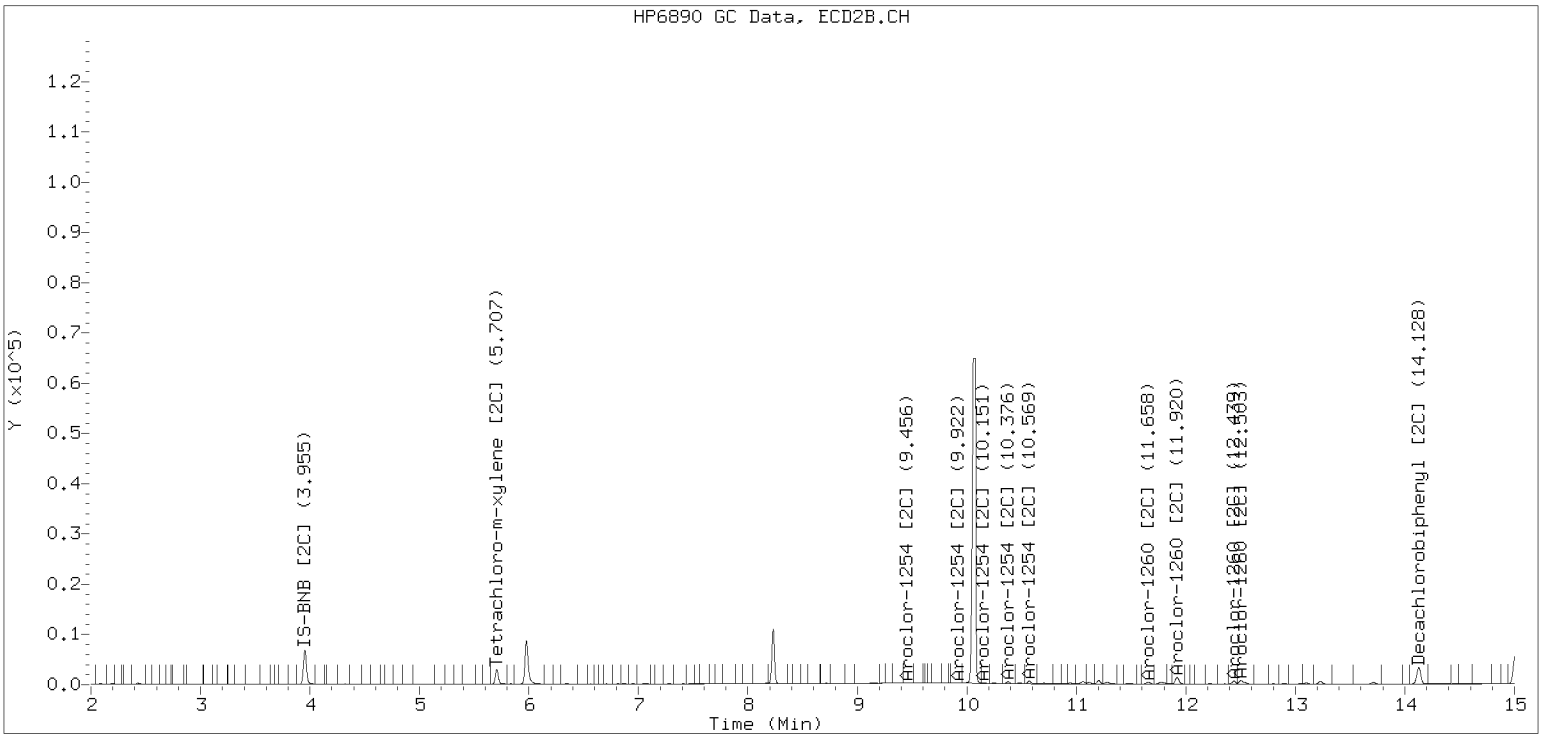
Processed Integration (Before)



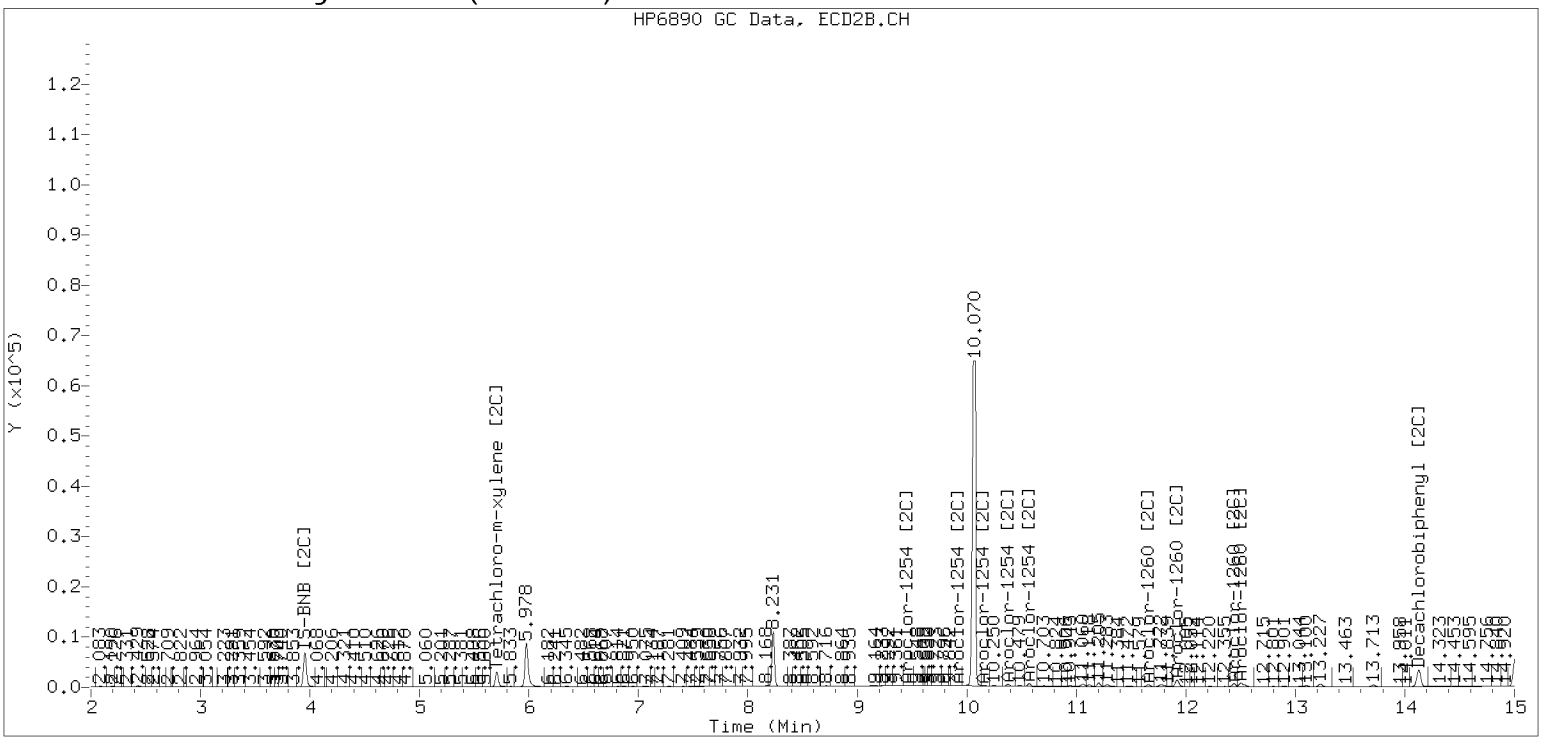
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221220.b/221220.b/12202272ECD7.D Injection Date: 21-DEC-2022

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770A

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-47 B	File ID:	12202273ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 14:12
% Solids:	56.88	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.99 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	7.7	1.6	4.0	P1
11097-69-1	Aroclor 1254	1	1	11.3	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	18.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9949*	*7.48*	*93.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9949*	*5.65*	*70.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202273ECD7.D
Data file 2: /221220.b/221220.b/12202273ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-47
Client ID:
Injection Date: 21-DEC-2022 14:12
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	198708	5.708	-0.006	121989	28.3	31.5	10.8	Tetrachloro-m-xylene
13.897	-0.010	180633	14.128	-0.009	160493	37.4	33.0	12.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	496296	10.9
Hexabromobiphenyl	798898	526738	-34.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	282761	13.5
Hexabromobiphenyl	362541	342777	-5.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.014	9991	46.8	1	8.318	-0.008	7760	67.2
Aroclor-1248	2	8.582	-0.022	7502	27.5	2	8.724	-0.008	6514	53.6
Aroclor-1248	3	9.000	-0.022	19930	40.7	3	9.157	-0.021	7934	53.7
Aroclor-1248	4	9.302	-0.009	23603	98.3	4	9.550	-0.052	15220	87.7
		Total Col1Ave (4 peaks):			53.3	Total Col2Ave (4 peaks):				65.6 RPD = 21
		Corrected Ave (3 peaks):			38.3	Corrected Ave (3 peaks):				58.2 RPD = 41*
Aroclor-1254	1	9.302	-0.019	23603	54.0	1	9.456	-0.011	15772	86.5
Aroclor-1254	2	9.423	0.021	3060	18.0	2	9.973	-0.013	7227	49.3
Aroclor-1254	3	9.678	-0.016	23322	84.5	3	10.121	-0.018	24864	78.9
Aroclor-1254	4	9.803	-0.028	37685	70.0	4	10.372	-0.017	32585	99.9
Aroclor-1254	5	10.127	-0.062	46291	125.5	5	10.570	-0.016	26711	169.7
		Total Col1Ave (5 peaks):			70.4	Total Col2Ave (5 peaks):				96.9 RPD = 32
		Corrected Ave (4 peaks):			56.6	Corrected Ave (4 peaks):				78.7 RPD = 33
Aroclor-1260	1	11.048	-0.014	18781	98.0	1	11.658	-0.011	14324	79.2
Aroclor-1260	2	11.361	-0.016	14031	70.8	2	11.918	-0.014	32470	71.5
Aroclor-1260	3	11.733	-0.019	46952	90.1	3	12.436	-0.015	16049	132.7
Aroclor-1260	4	12.133	-0.025	22992	86.6	4	12.502	-0.014	24615	81.3
Aroclor-1260	5	12.245	-0.016	11362	104.6	NS	---			----
		Total Col1Ave (5 peaks):			90.0	Total Col2Ave (4 peaks):				91.2 RPD = 1
		Corrected Ave (4 peaks):			86.4	Corrected Ave (3 peaks):				77.3 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 844145 Col1 Total PCB = 0.2 ppm*

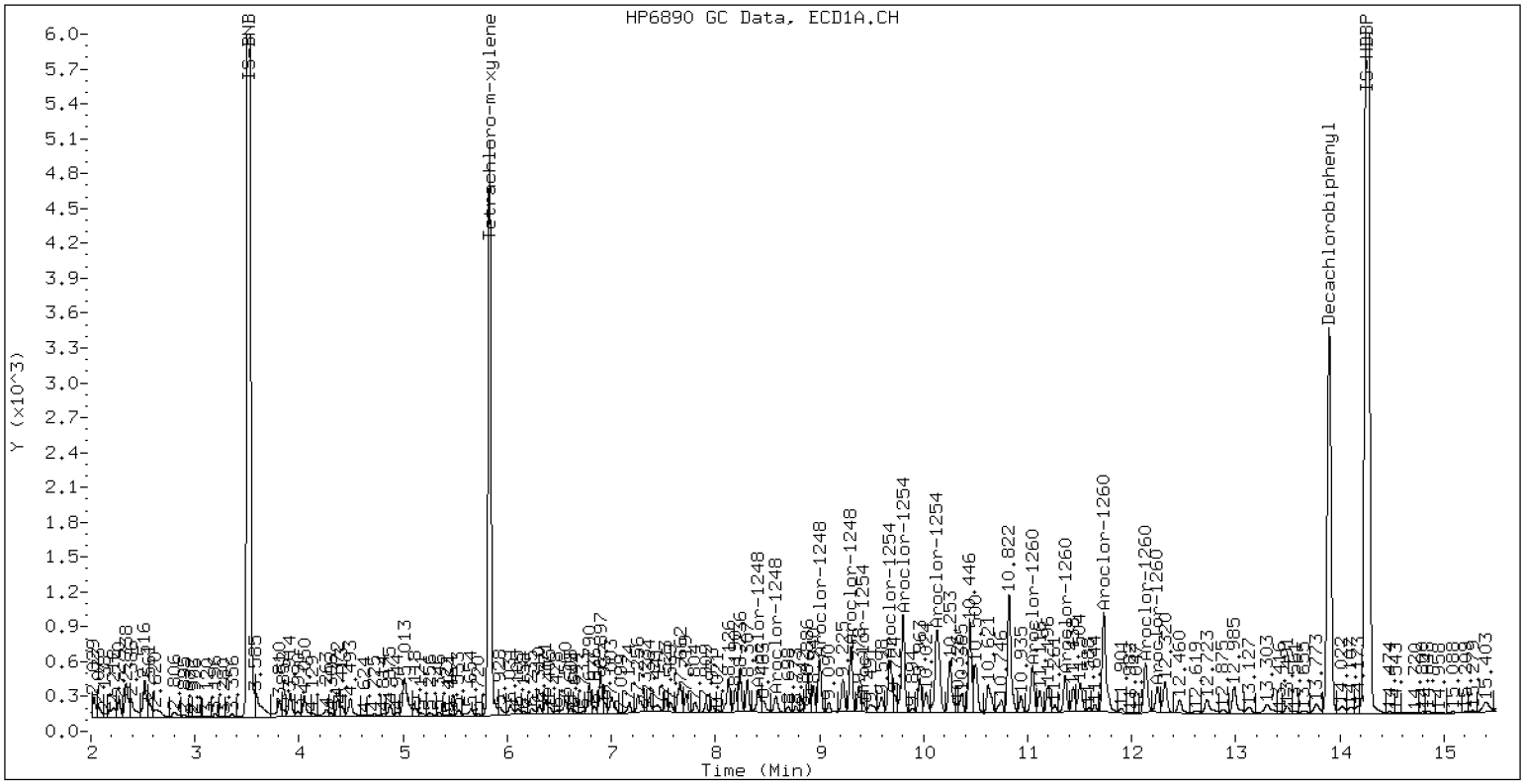
Total PCB Area Col2 (5.813 - 14.037) = 619422 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

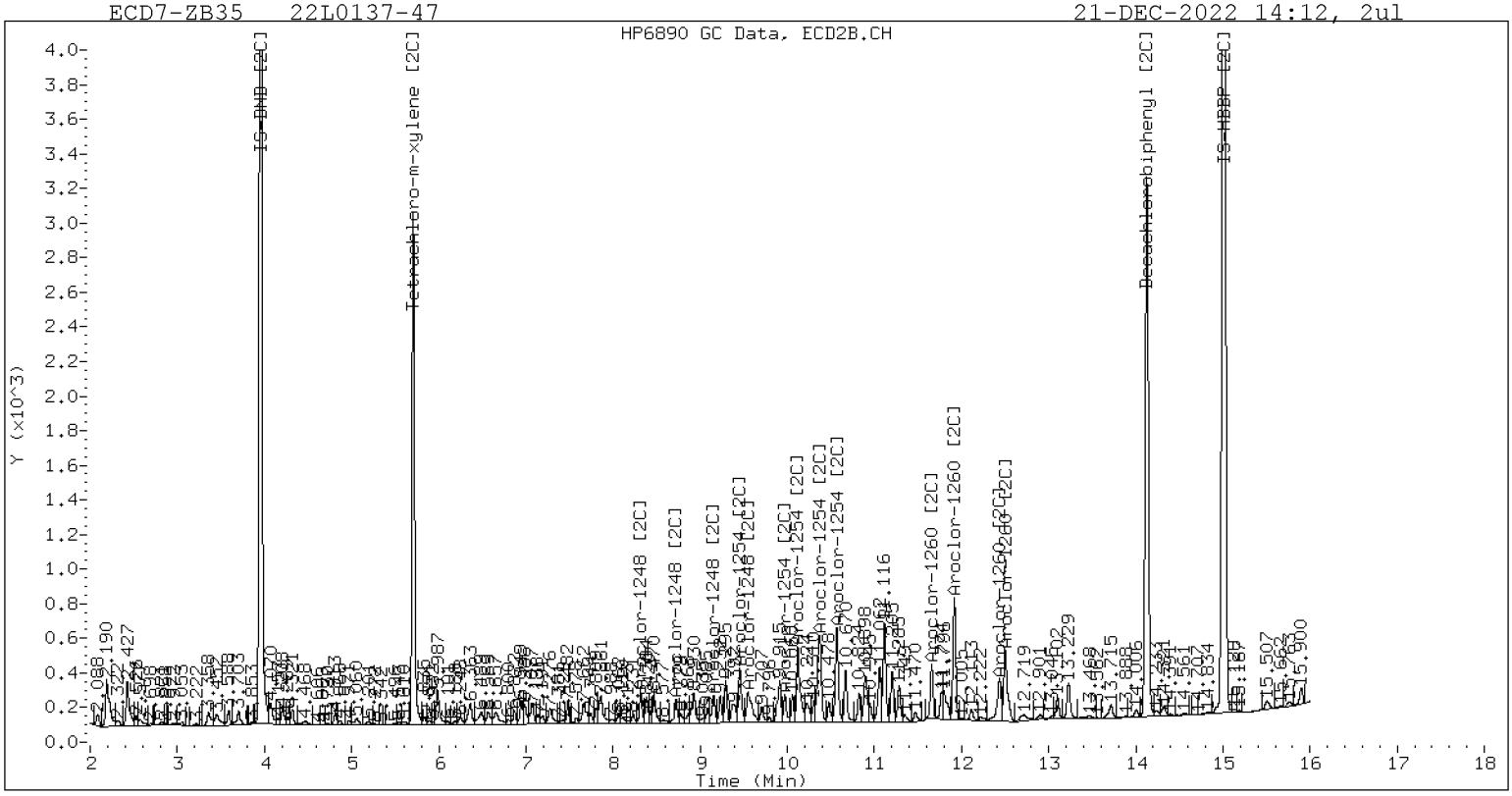
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-47 21-DEC-2022 14:12, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-47 21-DEC-2022 14:12, 2ul

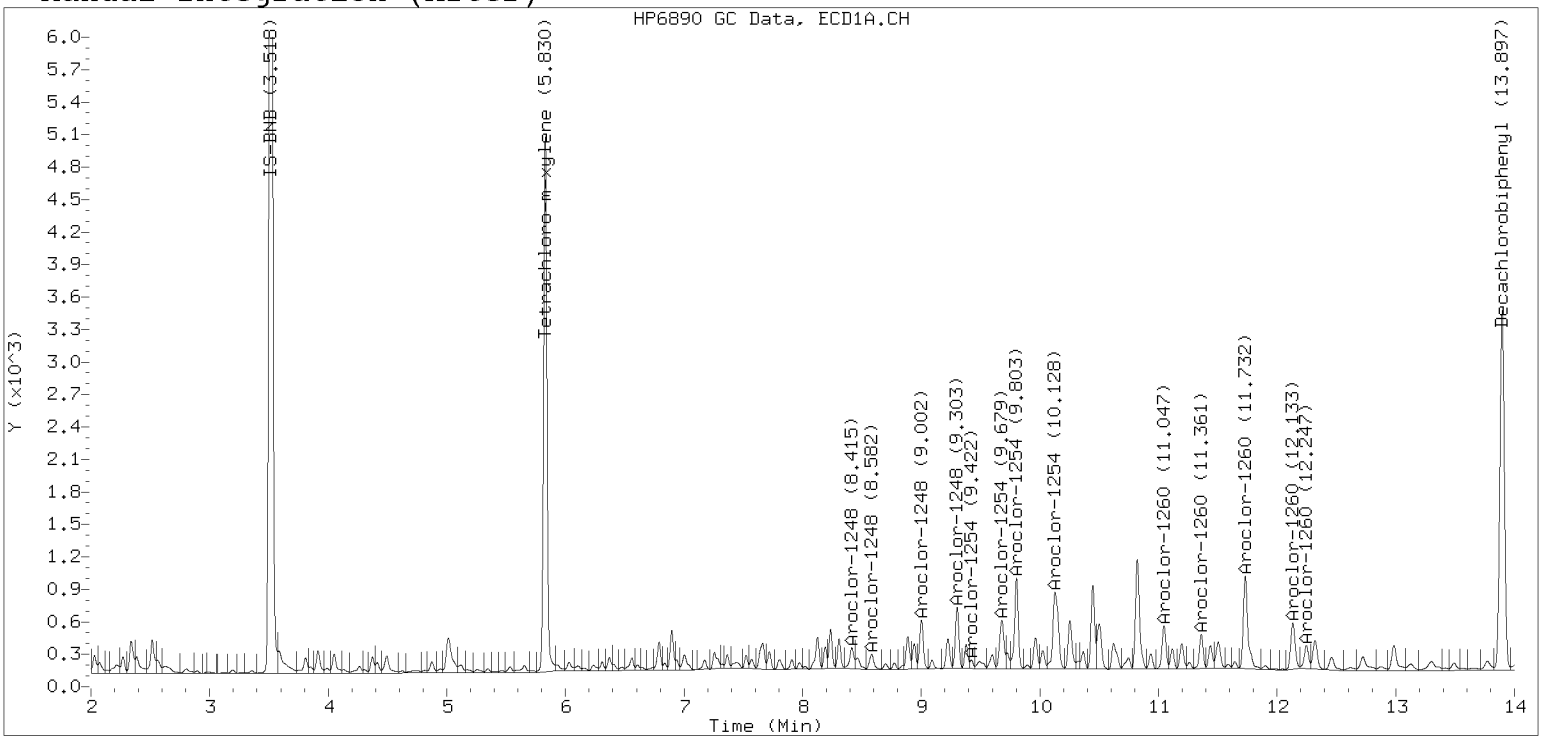


ZB-35 Manual Integration: NO

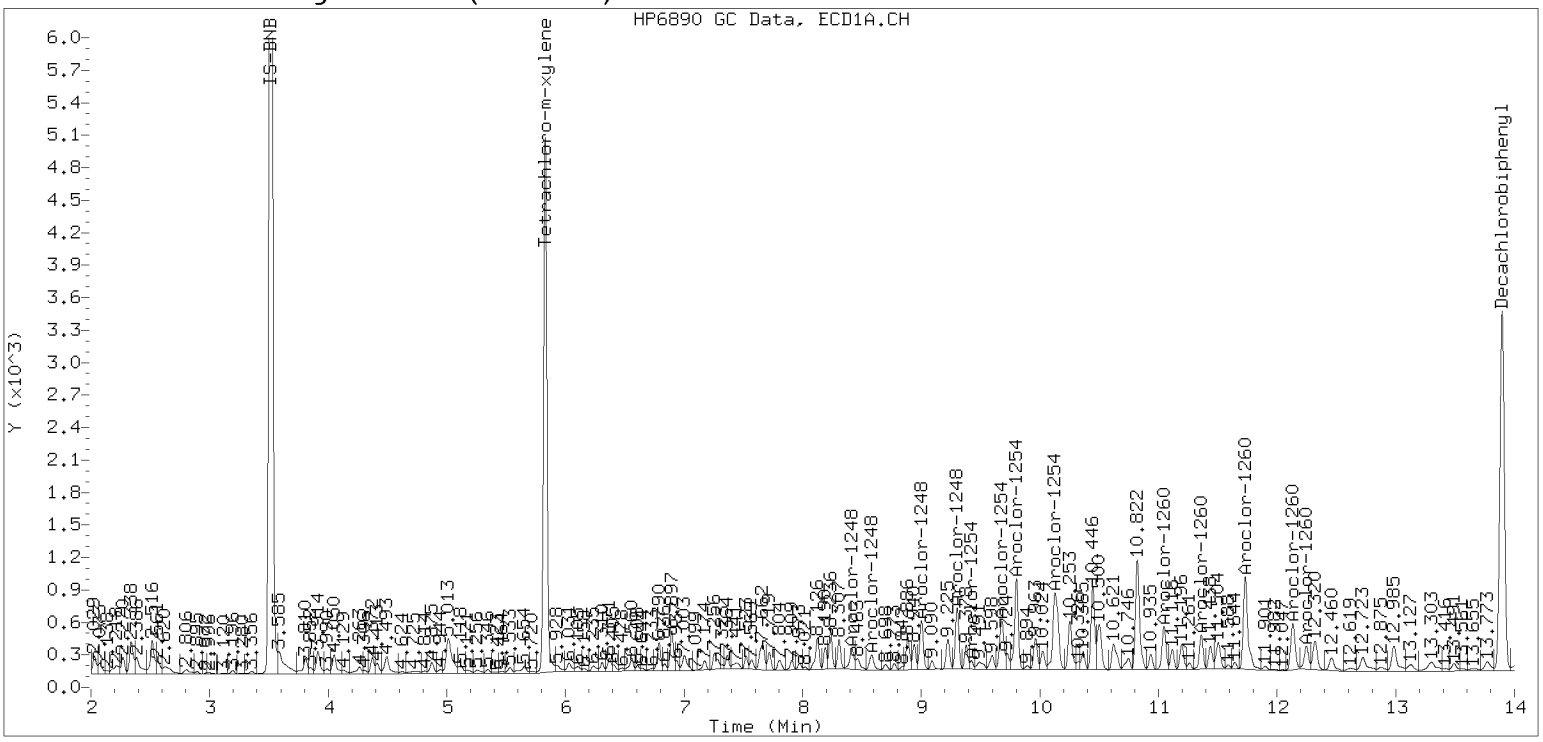
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202273ECD7.D Injection Date: 21-DEC-2022 14:12

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770B

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-48 B	File ID:	12202274ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 14:33
% Solids:	54.84	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.81 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	20.0	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	18.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	23.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9942*	*7.86*	*98.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9942*	*5.72*	*71.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202274ECD7.D
Data file 2: /221220.b/221220.b/12202274ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-48
Client ID:
Injection Date: 21-DEC-2022 14:33
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	204173	5.707	-0.006	127092	28.6	32.7	13.1	Tetrachloro-m-xylene
13.898	-0.010	177147	14.127	-0.009	165270	39.3	35.5	10.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	503122	12.4
Hexabromobiphenyl	798898	491625	-38.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	283822	13.9
Hexabromobiphenyl	362541	327996	-9.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.015	24265	112.2	1	8.317	-0.009	16224	139.9
Aroclor-1248	2	8.581	-0.023	21560	78.1	2	8.723	-0.010	16312	133.8
Aroclor-1248	3	8.999	-0.024	54866	110.4	3	9.154	-0.023	18699	126.1
Aroclor-1248	4	9.301	-0.010	43898	180.3	4	9.569	-0.033	27518	158.0
		Total Col1Ave (4 peaks):			120.2		Total Col2Ave (4 peaks):			139.4 RPD = 15
		Corrected Ave (3 peaks):			100.2		Corrected Ave (3 peaks):			133.2 RPD = 28
Aroclor-1254	1	9.301	-0.020	43898	99.1	1	9.454	-0.012	23842	130.3
Aroclor-1254	2	9.420	0.019	4185	24.3	2	9.971	-0.016	11677	79.4
Aroclor-1254	3	9.674	-0.020	35231	125.9	3	10.119	-0.020	39005	123.3
Aroclor-1254	4	9.800	-0.030	61640	113.0	4	10.363	-0.026	51270	156.5
Aroclor-1254	5	10.134	-0.056	74822	200.1	5	10.570	-0.016	39120	247.7
		Total Col1Ave (5 peaks):			112.5		Total Col2Ave (5 peaks):			147.4 RPD = 27
		Corrected Ave (4 peaks):			90.6		Corrected Ave (4 peaks):			122.4 RPD = 30
Aroclor-1260	1	11.047	-0.015	22650	126.6	1	11.659	-0.010	20433	118.0
Aroclor-1260	2	11.361	-0.016	17822	96.3	2	11.919	-0.014	41274	95.0
Aroclor-1260	3	11.732	-0.020	59236	121.8	3	12.438	-0.013	19088	165.0
Aroclor-1260	4	12.131	-0.027	28440	114.8	4	12.502	-0.014	30747	106.2
Aroclor-1260	5	12.247	-0.014	12763	125.9	NS	---			----
		Total Col1Ave (5 peaks):			117.1		Total Col2Ave (4 peaks):			121.0 RPD = 3
		Corrected Ave (4 peaks):			114.7		Corrected Ave (3 peaks):			106.4 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 4934817 Col1 Total PCB = 1.0 ppm*

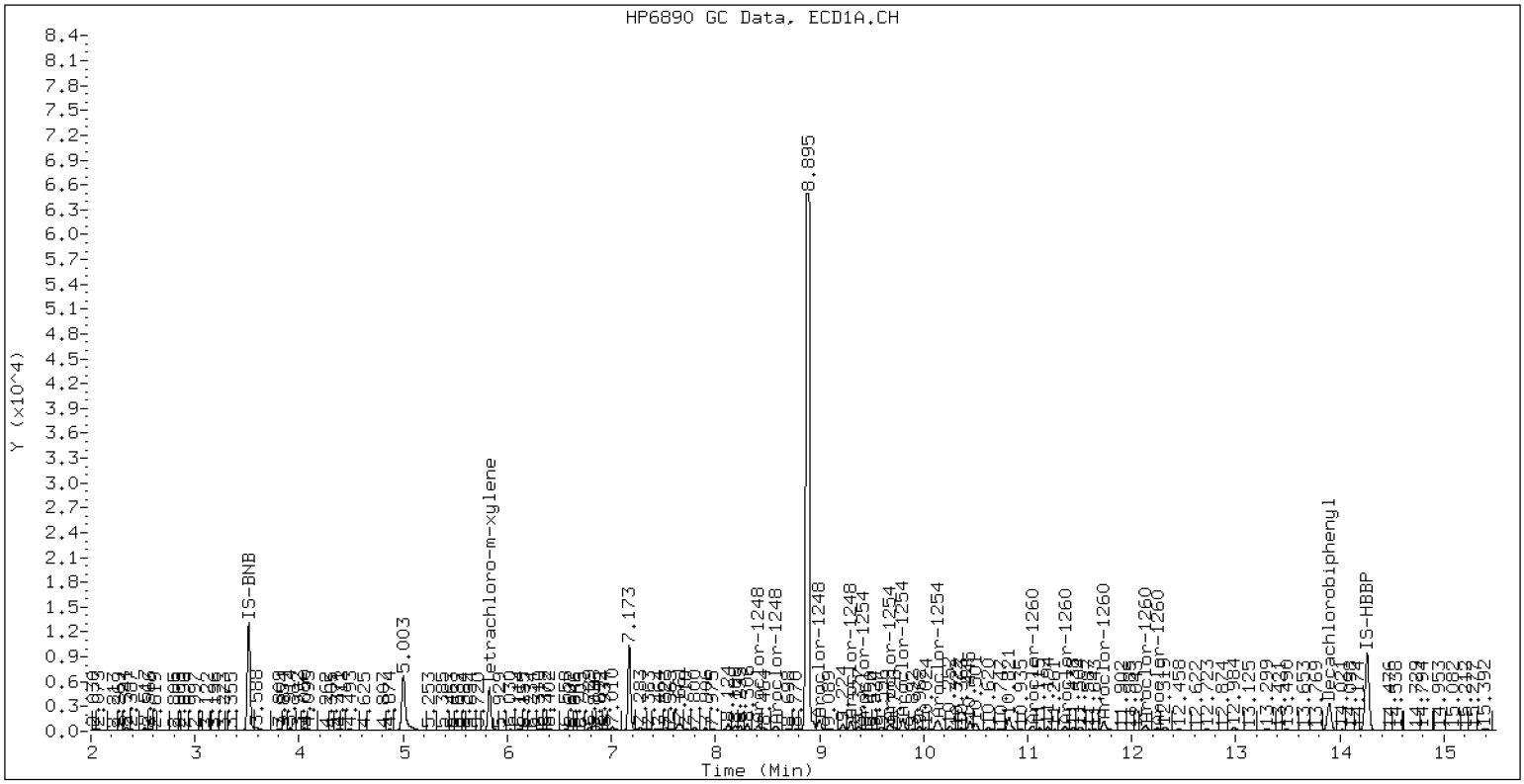
Total PCB Area Col2 (5.813 - 14.037) = 2219735 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

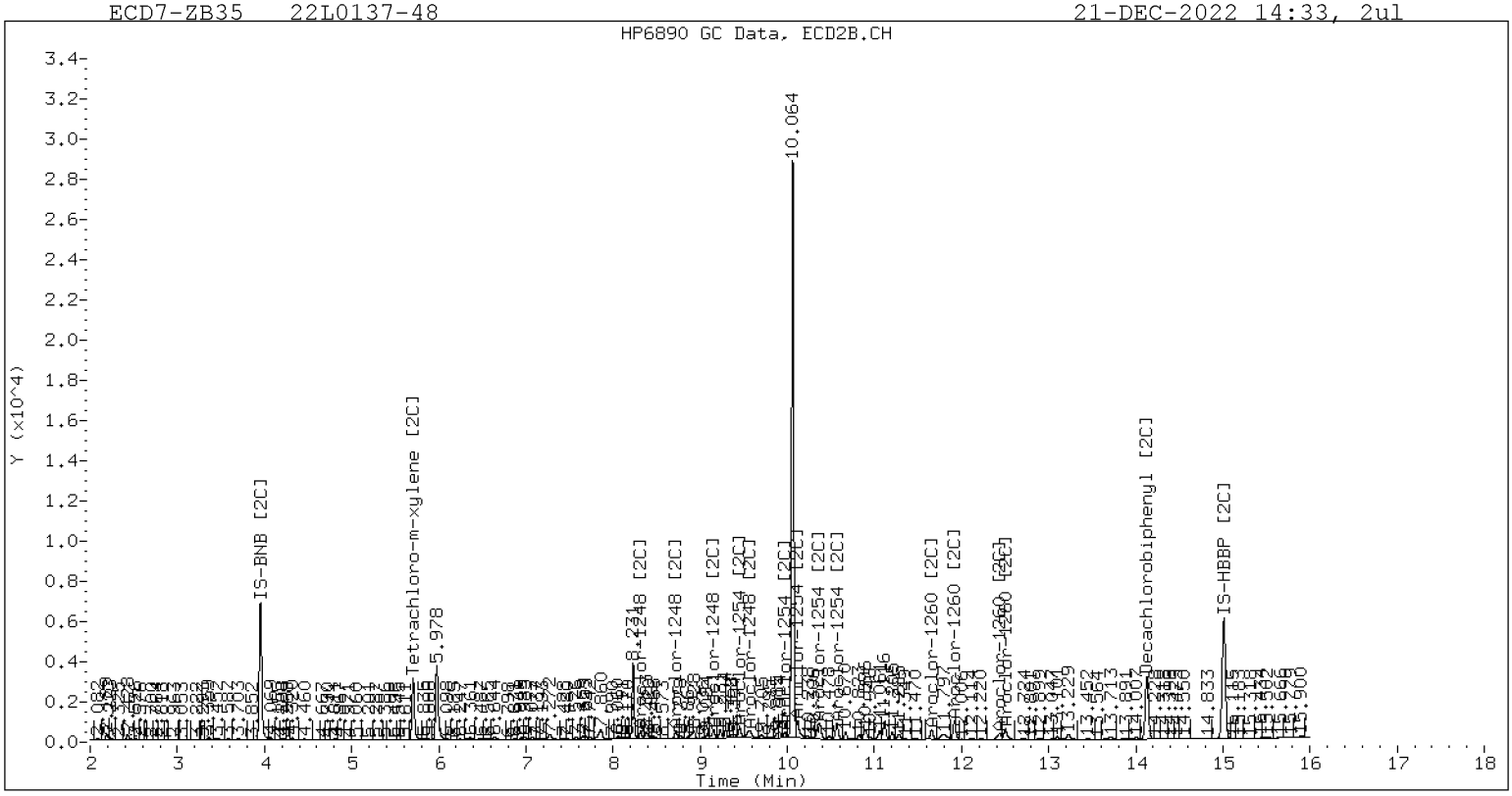
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-48 21-DEC-2022 14:33, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-48 21-DEC-2022 14:33, 2ul

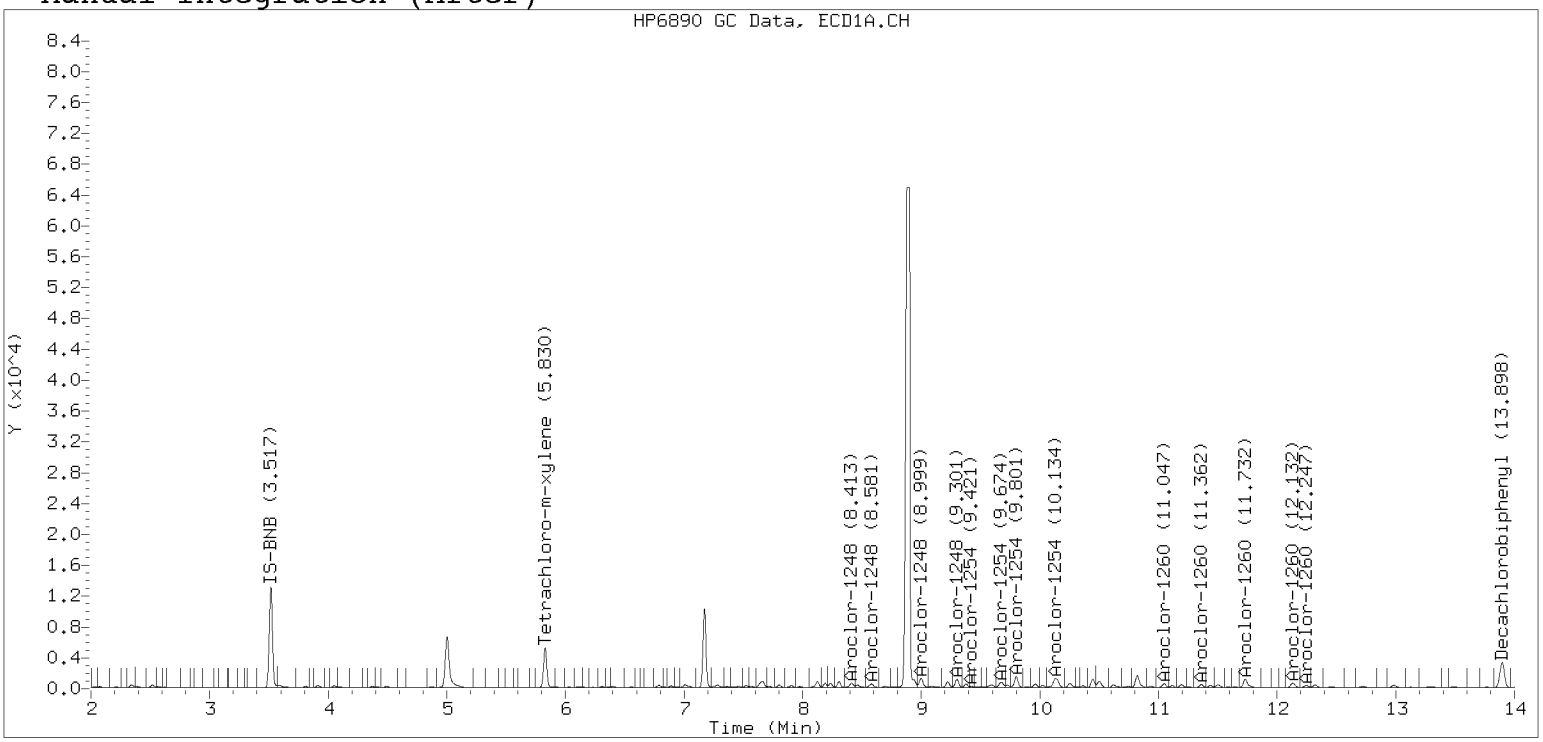


ZB-35 Manual Integration: YES

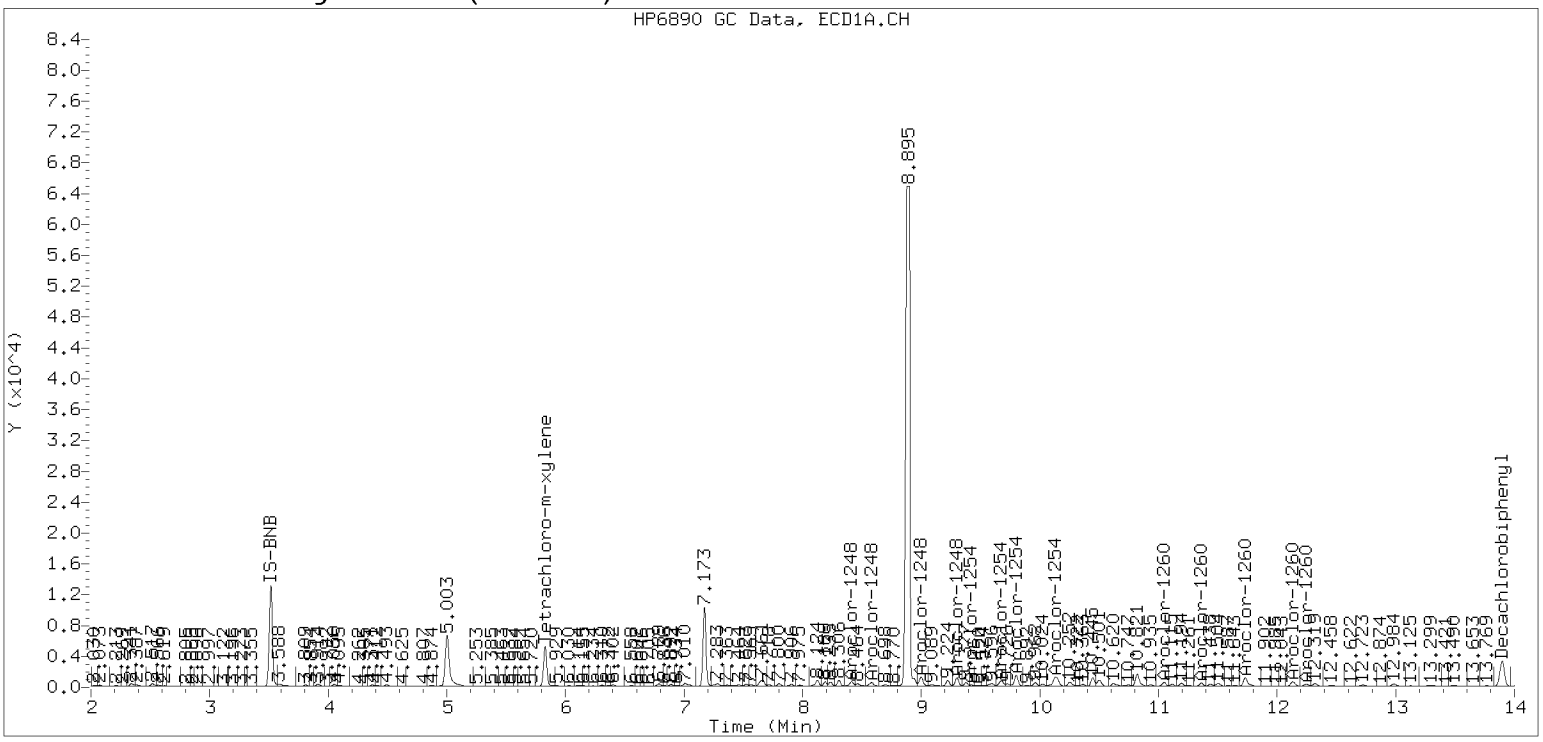
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202274ECD7.D Injection Date: 21-DEC-2022 14:33

Manual Integration (After)



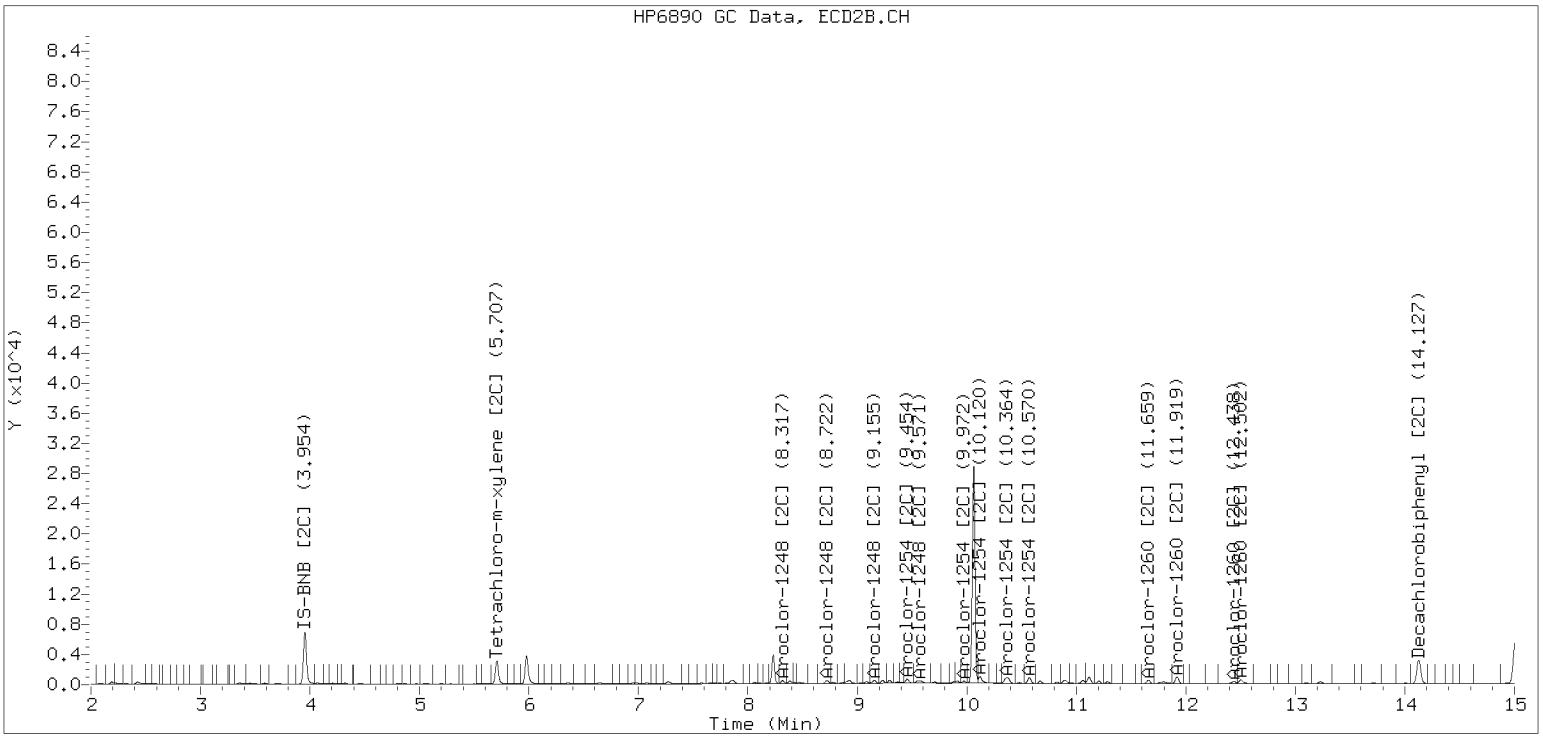
Processed Integration (Before)



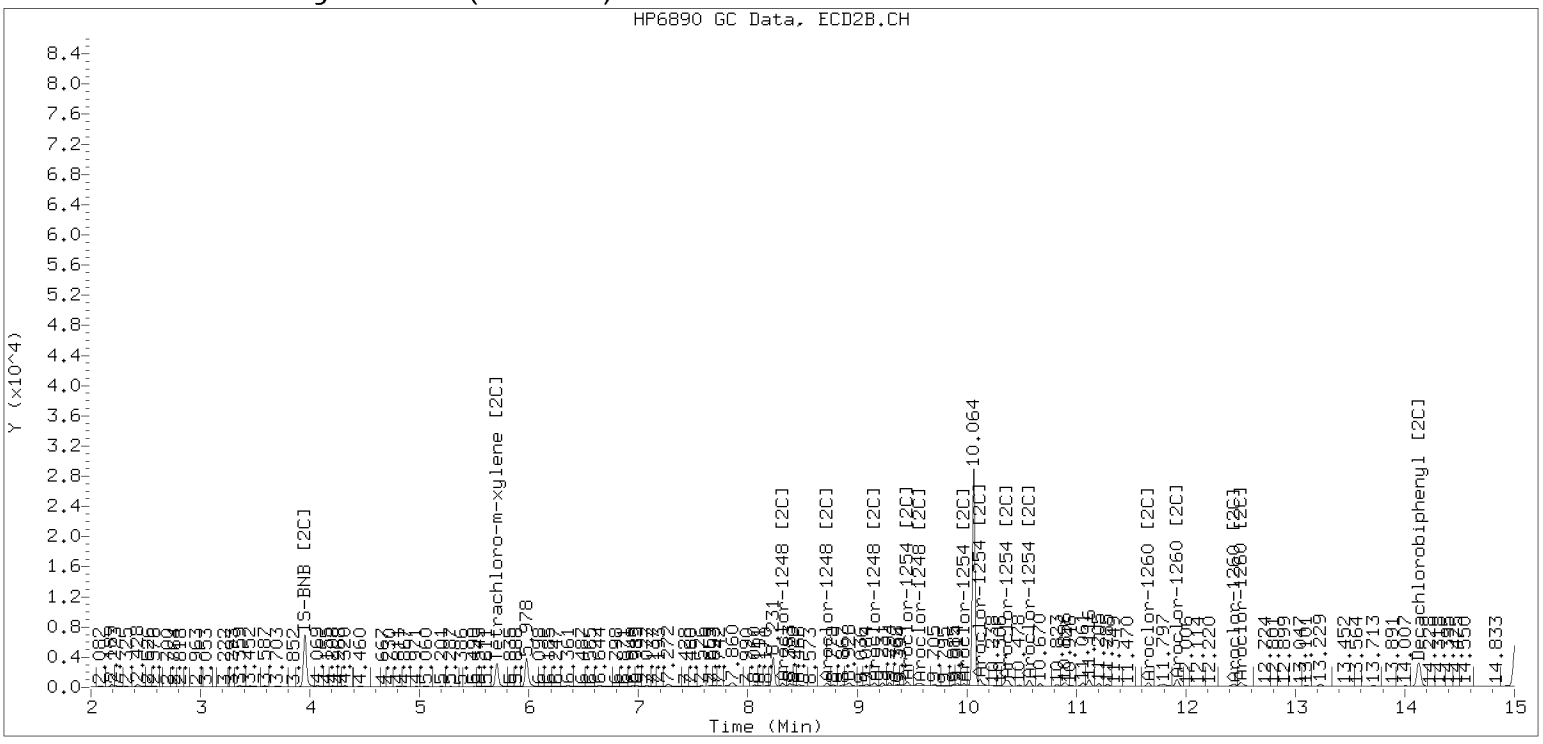
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221220.b/221220.b/12202274ECD7.D Injection Date: 21-DEC-2022

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-49 B	File ID:	12212206ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 17:32
% Solids:	54.22	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.07 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	24.0	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	33.4	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	40.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9945*	*7.64*	*95.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9945*	*5.22*	*65.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9945*	*6.81*	*85.1*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9945*	*5.93*	*74.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212206ECD7.D
Data file 2: /221221.b/221221.b/12212206ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-49
Client ID:
Injection Date: 21-DEC-2022 17:32
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.004	185442	5.707	-0.003	112787	26.1	29.7	12.9	Tetrachloro-m-xylene
13.899	-0.005	175815	14.128	-0.004	162815	38.2	34.1	11.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	501284	12.0
Hexabromobiphenyl	798898	501949	-37.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	277088	11.2
Hexabromobiphenyl	362541	336769	-7.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.015	20052	93.0	1	8.317	-0.006	13428	118.6
Aroclor-1248	2	8.581	-0.023	14676	53.3	2	8.723	-0.004	11851	99.5
Aroclor-1248	3	9.000	-0.023	44171	89.2	3	9.154	-0.017	14763	101.9
Aroclor-1248	4	9.302	-0.009	49342	203.4	4	9.548	-0.044	27225	160.1
		Total Col1Ave (4 peaks):			109.8		Total Col2Ave (4 peaks):			120.1 RPD = 9
		Corrected Ave (3 peaks):			78.5		Corrected Ave (3 peaks):			106.7 RPD = 30
Aroclor-1254	1	9.302	-0.013	49342	111.8	1	9.454	-0.009	31681	177.3
Aroclor-1254	2	9.421	0.027	5227	30.5	2	9.972	-0.009	13133	91.4
Aroclor-1254	3	9.677	-0.009	38083	136.6	3	10.120	-0.012	55926	181.1
Aroclor-1254	4	9.802	-0.019	72923	134.2	4	10.373	-0.007	69800	218.3
Aroclor-1254	5	10.127	-0.049	102694	275.7	5	10.569	-0.009	60873	~~394~~.7
		Total Col1Ave (5 peaks):			137.8		Total Col2Ave (5 peaks):			~~212~~.6 RPD = 43*
		Corrected Ave (4 peaks):			103.3		Corrected Ave (4 peaks):			167.1 RPD = 47*
Aroclor-1260	1	11.046	-0.010	43066	235.7	1	11.659	-0.006	35698	200.8
Aroclor-1260	2	11.361	-0.013	36873	195.1	2	11.919	-0.008	80025	179.4
Aroclor-1260	3	11.731	-0.017	104970	211.4	3	12.439	-0.008	27750	233.6
Aroclor-1260	4	12.132	-0.017	54676	216.2	4	12.502	-0.009	55303	186.0
Aroclor-1260	5	12.247	-0.008	20171	194.9	NS	---			----
		Total Col1Ave (5 peaks):			210.7		Total Col2Ave (4 peaks):			200.0 RPD = 5
		Corrected Ave (4 peaks):			204.4		Corrected Ave (3 peaks):			188.7 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1578228 Col1 Total PCB = 0.3 ppm*

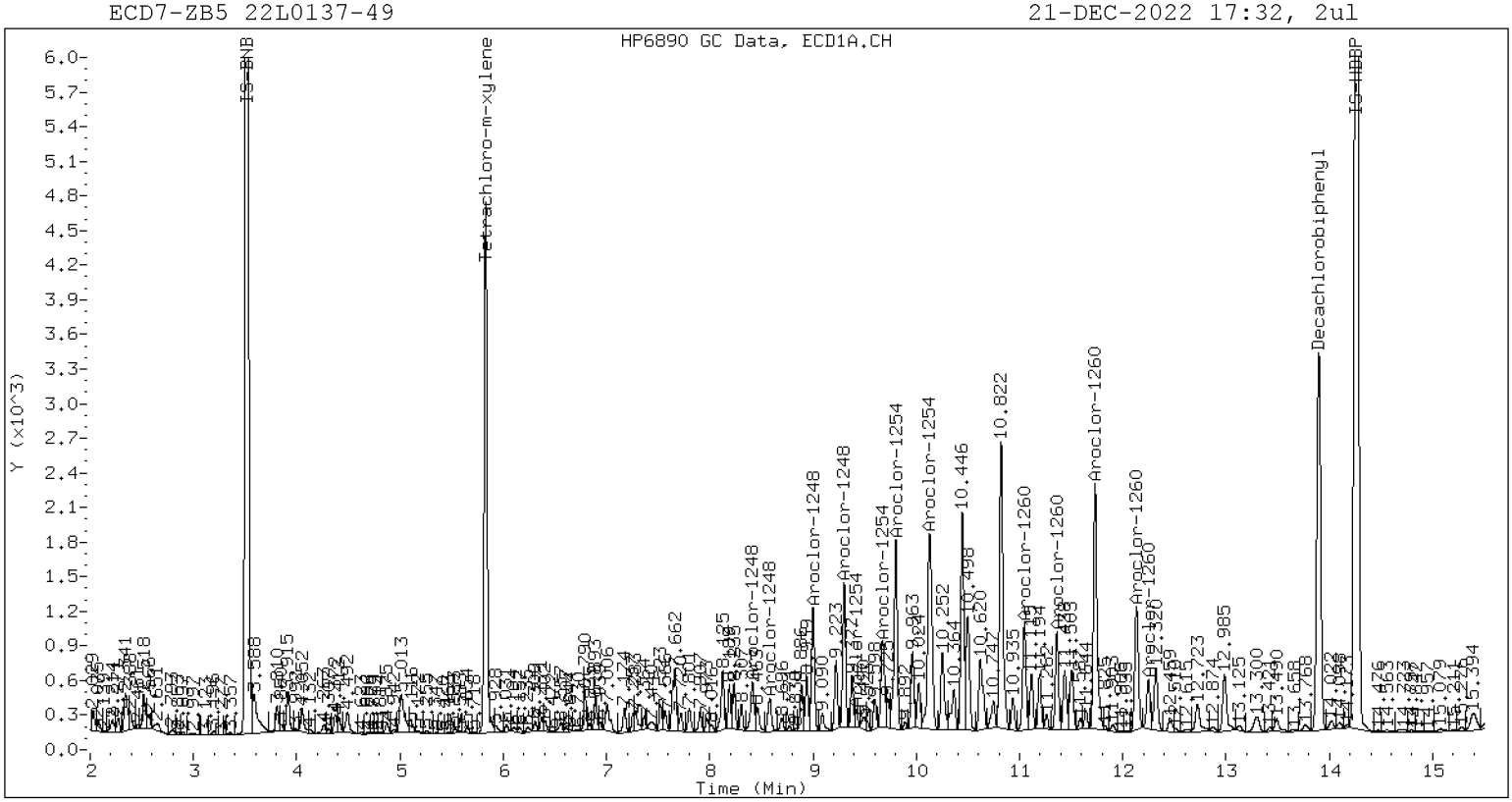
Total PCB Area Col2 (5.810 - 14.032) = 1146403 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

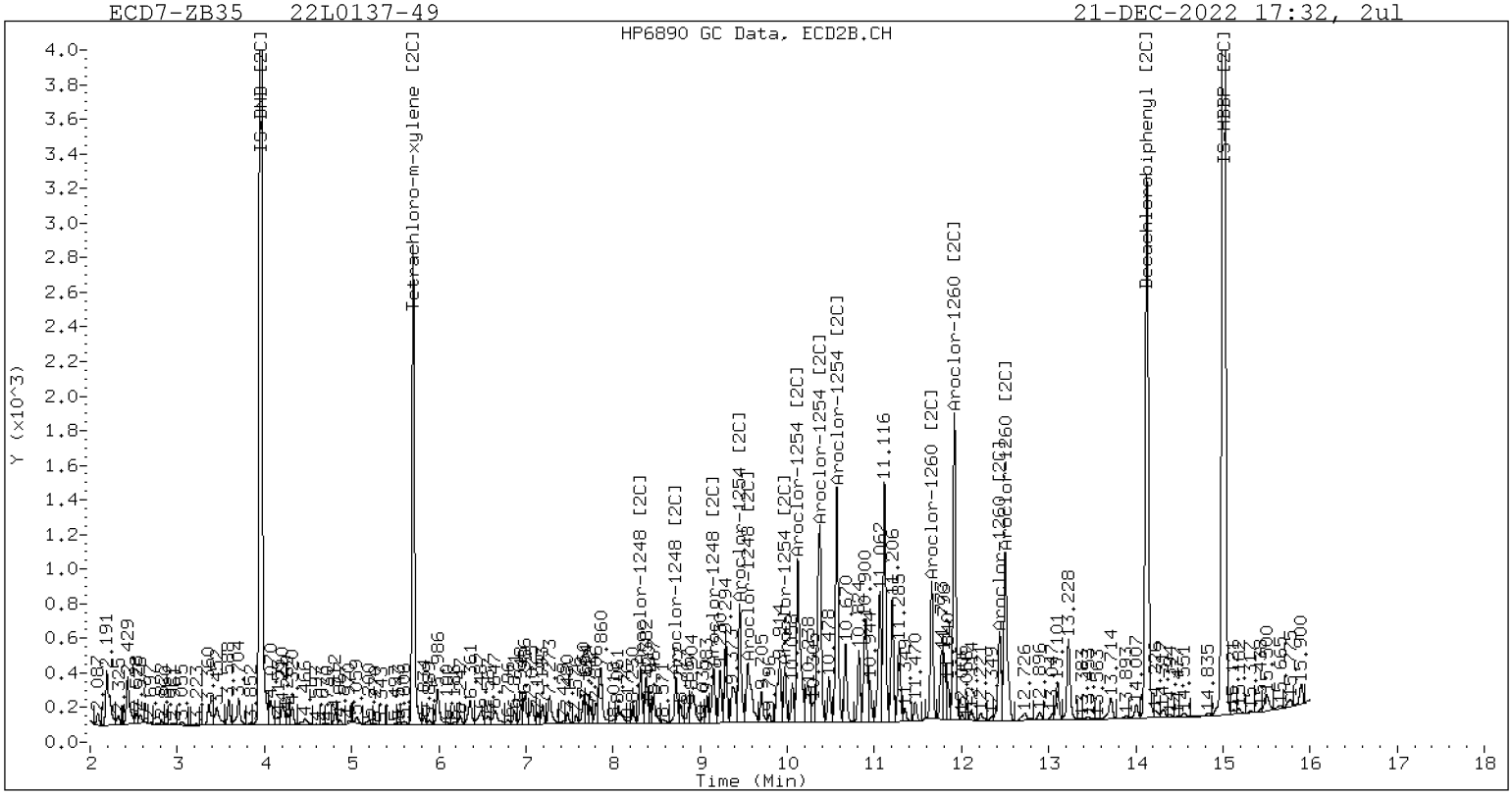
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-49 21-DEC-2022 17:32, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-49 21-DEC-2022 17:32, 2ul

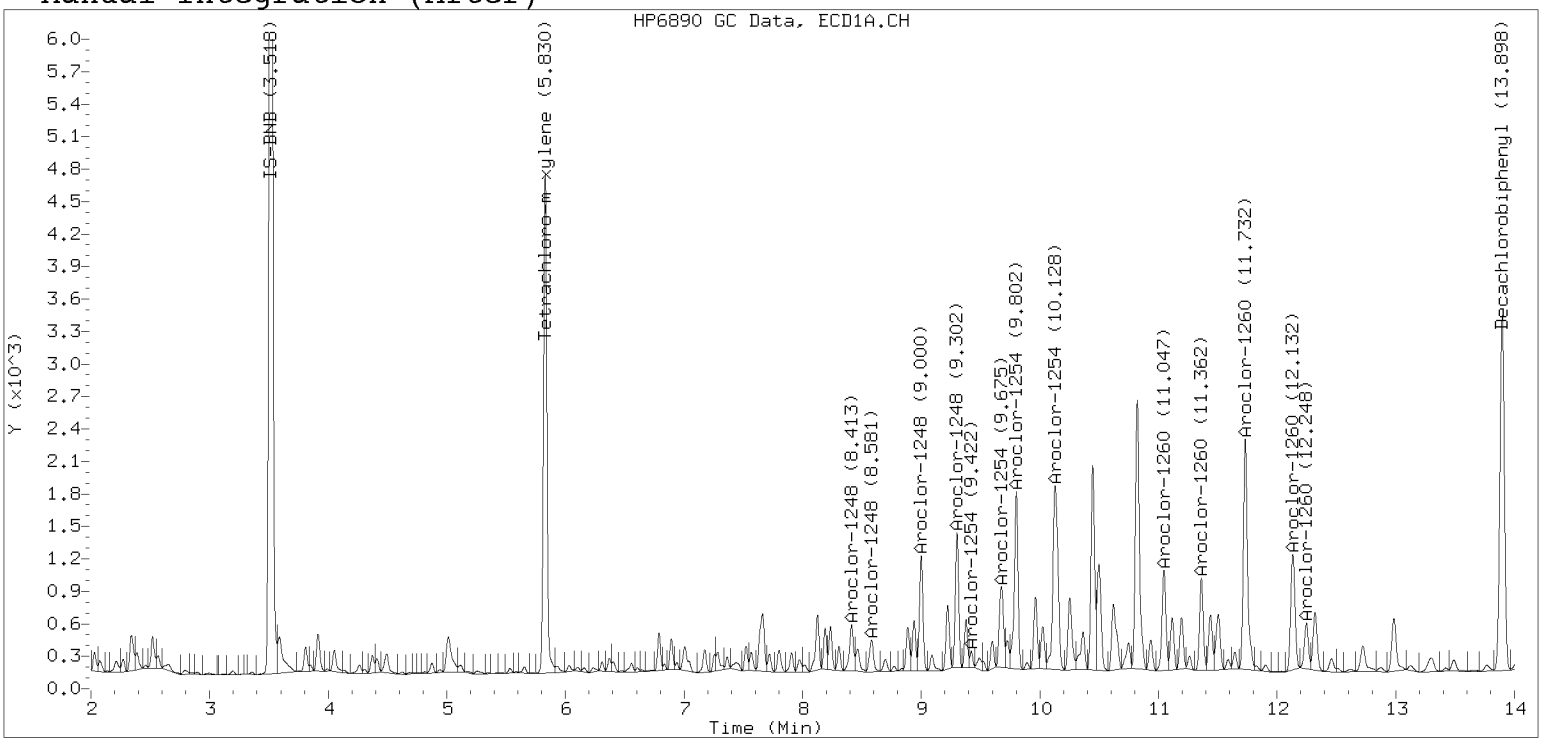


ZB-35 Manual Integration: NO

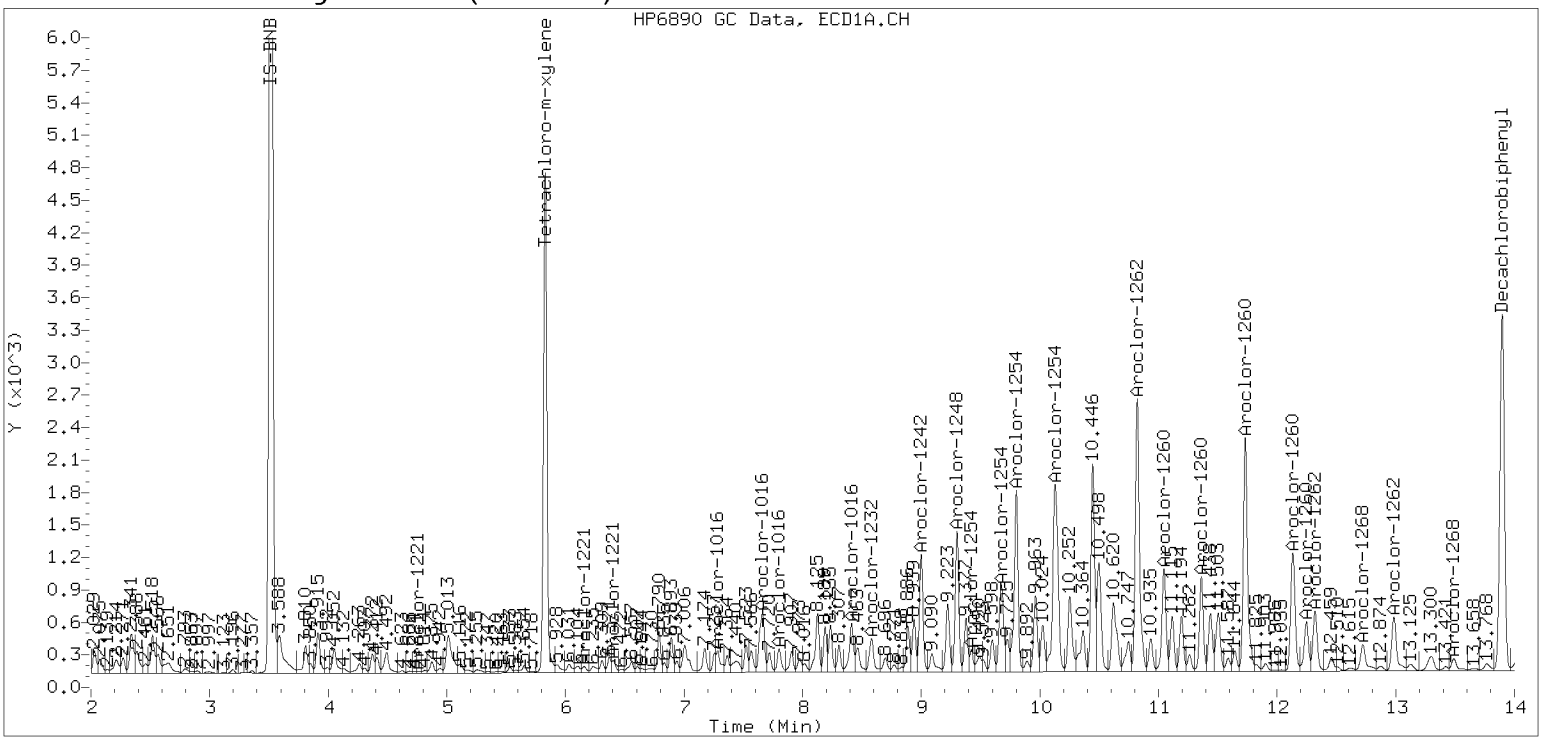
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212206ECD7.D Injection Date: 21-DEC-2022 17:32

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-50 B	File ID:	12212207ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 17:53
% Solids:	59.47	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.05 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	12.1	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	17.4	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	12.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9882*	*7.64*	*95.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9882*	*5.59*	*69.9*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9882*	*6.89*	*86.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9882*	*6.17*	*77.2*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212207ECD7.D
Data file 2: /221221.b/221221.b/12212207ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-50
Client ID:
Injection Date: 21-DEC-2022 17:53
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	191254	5.709	-0.002	118251	28.0	30.9	9.9	Tetrachloro-m-xylene
13.897	-0.007	178797	14.128	-0.004	165987	38.2	34.5	10.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	482583	7.8
Hexabromobiphenyl	798898	510102	-36.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	279425	12.2
Hexabromobiphenyl	362541	339008	-6.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.411	-0.016	12559	60.5	1	8.317	-0.006	8427	73.8
Aroclor-1248	2	8.580	-0.024	8778	33.1	2	8.725	-0.003	7430	61.9
Aroclor-1248	3	8.999	-0.024	21875	45.9	3	9.155	-0.016	8386	57.4
Aroclor-1248	4	9.301	-0.010	23423	100.3	4	9.592	0.000	8542	49.8
		Total Col1Ave (4 peaks):			60.0		Total Col2Ave (4 peaks):			60.7 RPD = 1
		Corrected Ave (3 peaks):			46.5		Corrected Ave (3 peaks):			56.4 RPD = 19
Aroclor-1254	1	9.301	-0.014	23423	55.1	1	9.455	-0.008	16383	90.9
Aroclor-1254	2	9.423	0.029	7698	46.6	2	9.973	-0.008	6176	42.6
Aroclor-1254	3	9.681	-0.005	25149	93.7	3	10.120	-0.012	23234	74.6
Aroclor-1254	4	9.801	-0.020	36709	70.2	4	10.369	-0.011	28157	87.3
Aroclor-1254	5	10.130	-0.046	18621	51.9	5	10.570	-0.009	21806	140.2
		Total Col1Ave (5 peaks):			63.5		Total Col2Ave (5 peaks):			87.1 RPD = 31
		Corrected Ave (4 peaks):			56.0		Corrected Ave (4 peaks):			73.9 RPD = 28
Aroclor-1260	1	11.046	-0.010	12382	66.7	1	11.659	-0.007	9467	52.9
Aroclor-1260	2	11.359	-0.016	7595	39.5	2	11.918	-0.009	17323	38.6
Aroclor-1260	3	11.769	0.022	8005	15.9	3	12.432	-0.014	13002	108.7
Aroclor-1260	4	12.129	-0.019	11095	43.2	4	12.502	-0.009	14208	47.5
Aroclor-1260	5	12.245	-0.010	5941	56.5	NS	---			----
		Total Col1Ave (5 peaks):			44.4		Total Col2Ave (4 peaks):			61.9 RPD = 33
		Corrected Ave (4 peaks):			38.8		Corrected Ave (3 peaks):			46.3 RPD = 18
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 715802 Col1 Total PCB = 0.2 ppm*

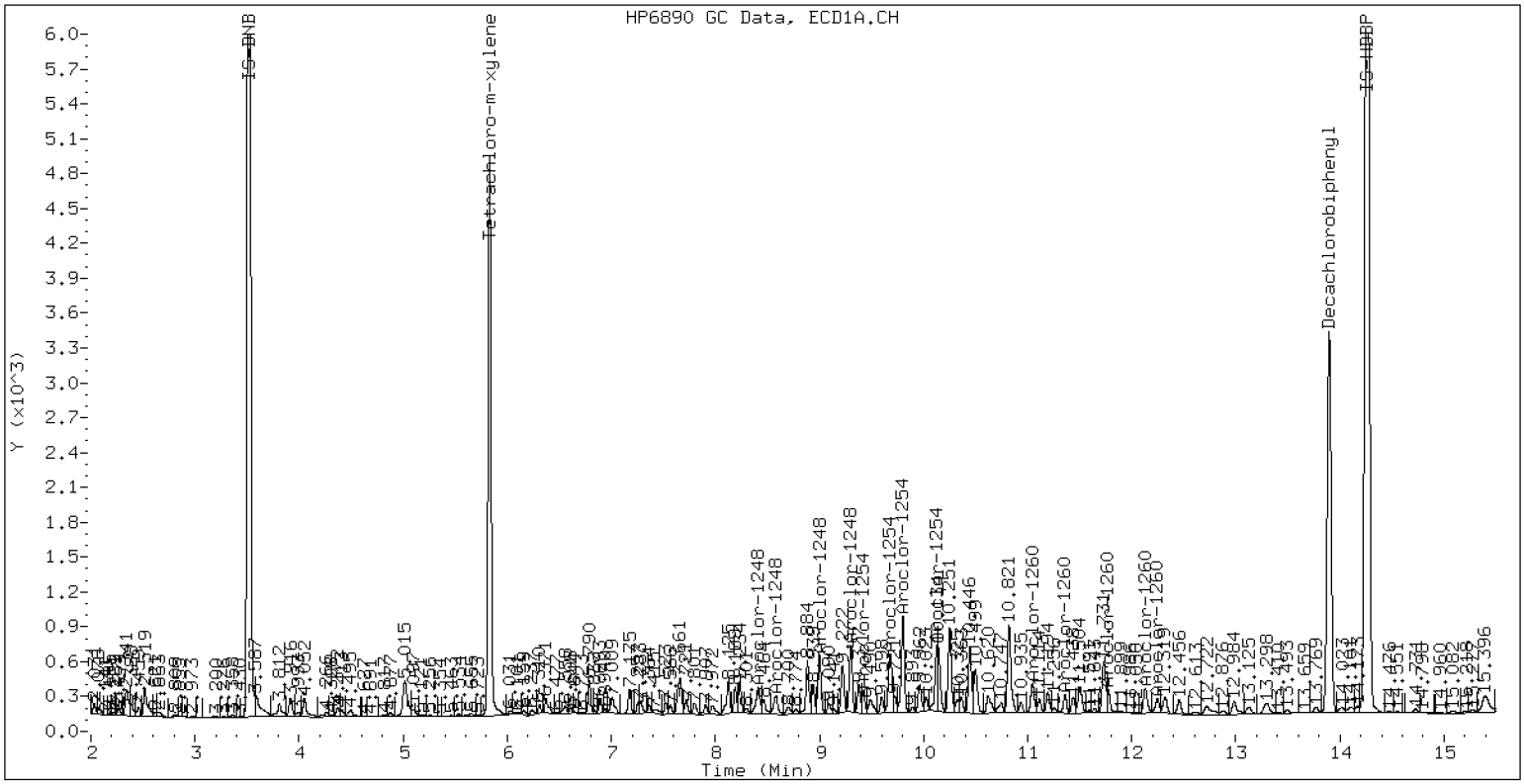
Total PCB Area Col2 (5.810 - 14.032) = 548157 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

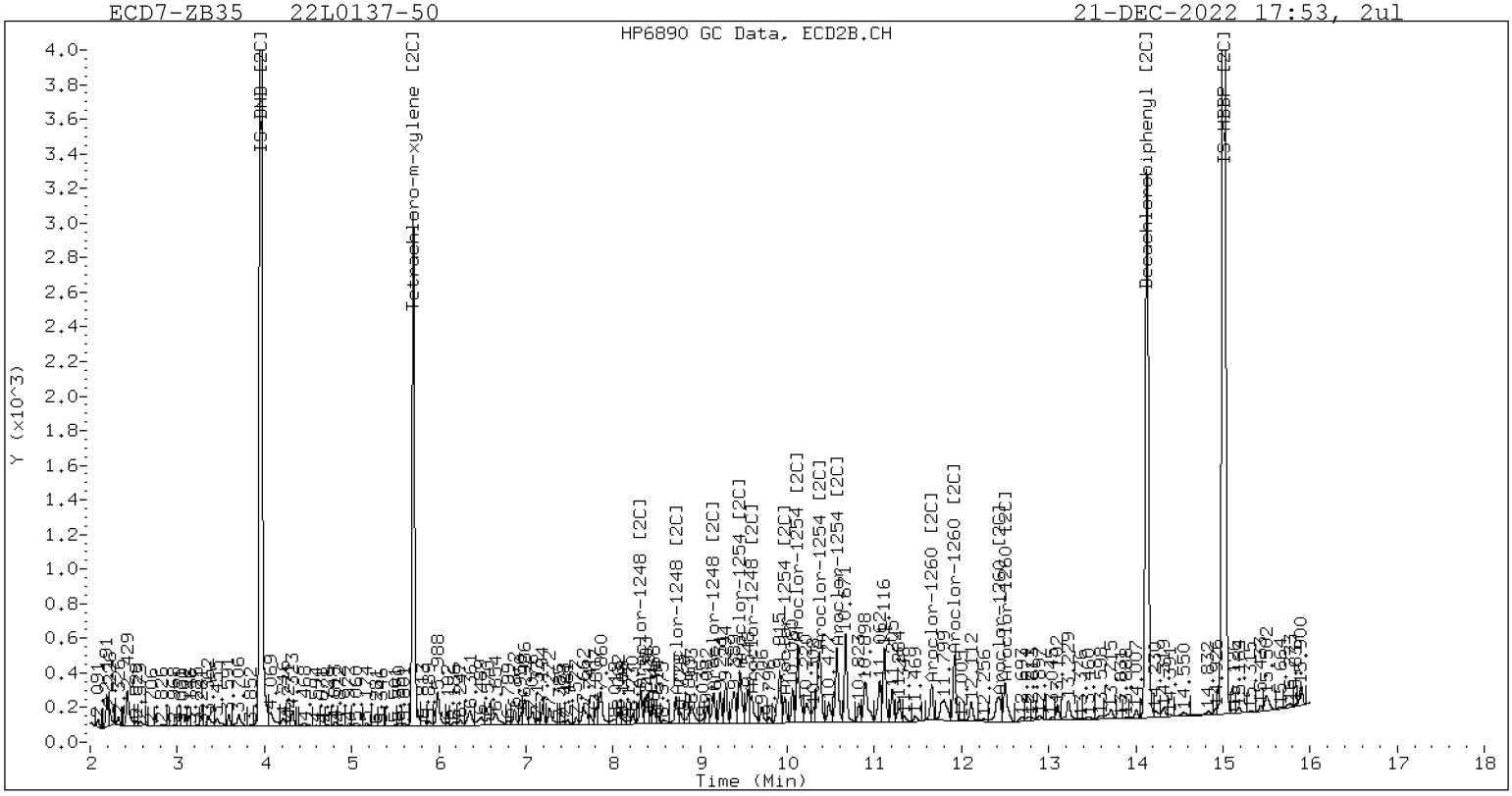
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-50 21-DEC-2022 17:53, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-50 21-DEC-2022 17:53, 2ul

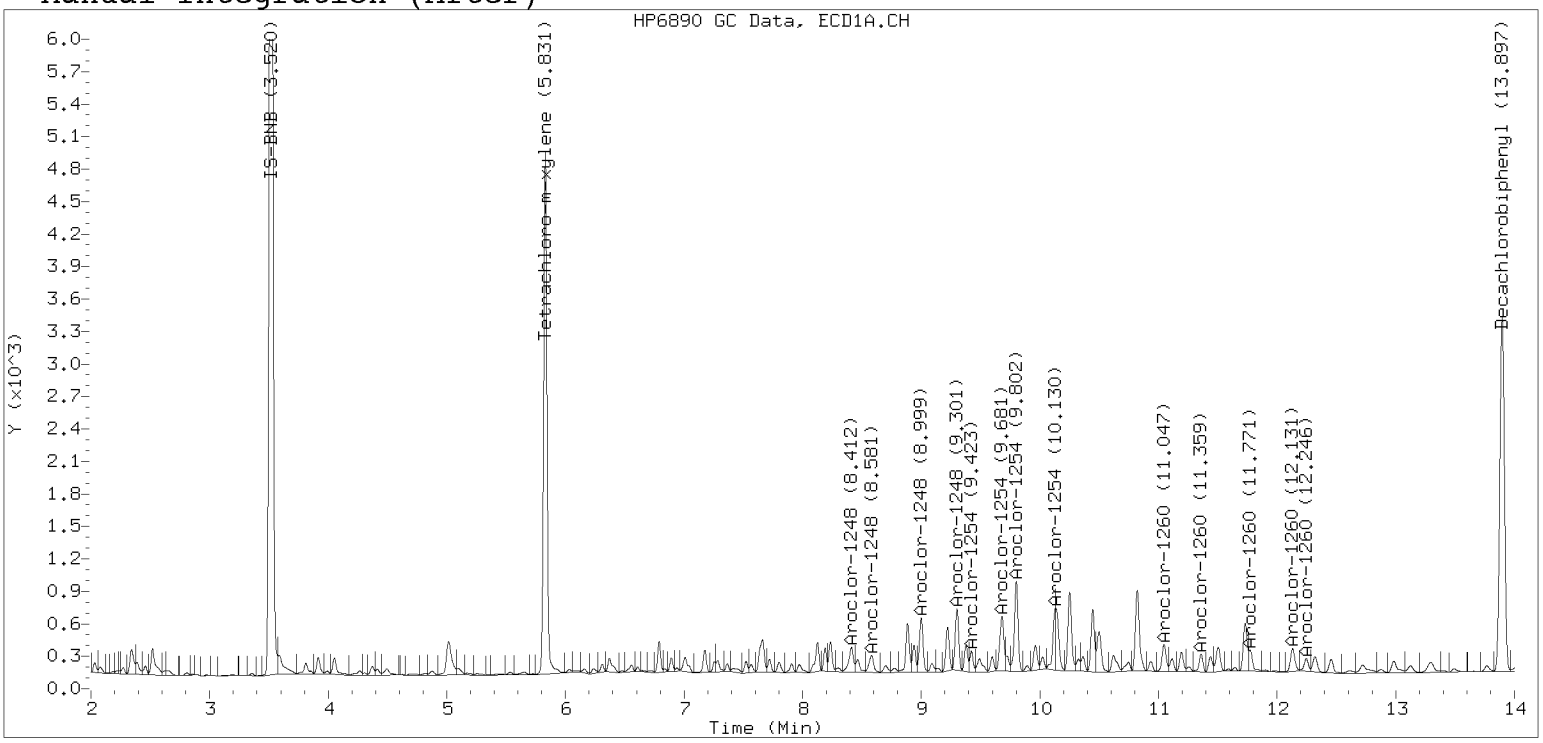


ZB-35 Manual Integration: NO

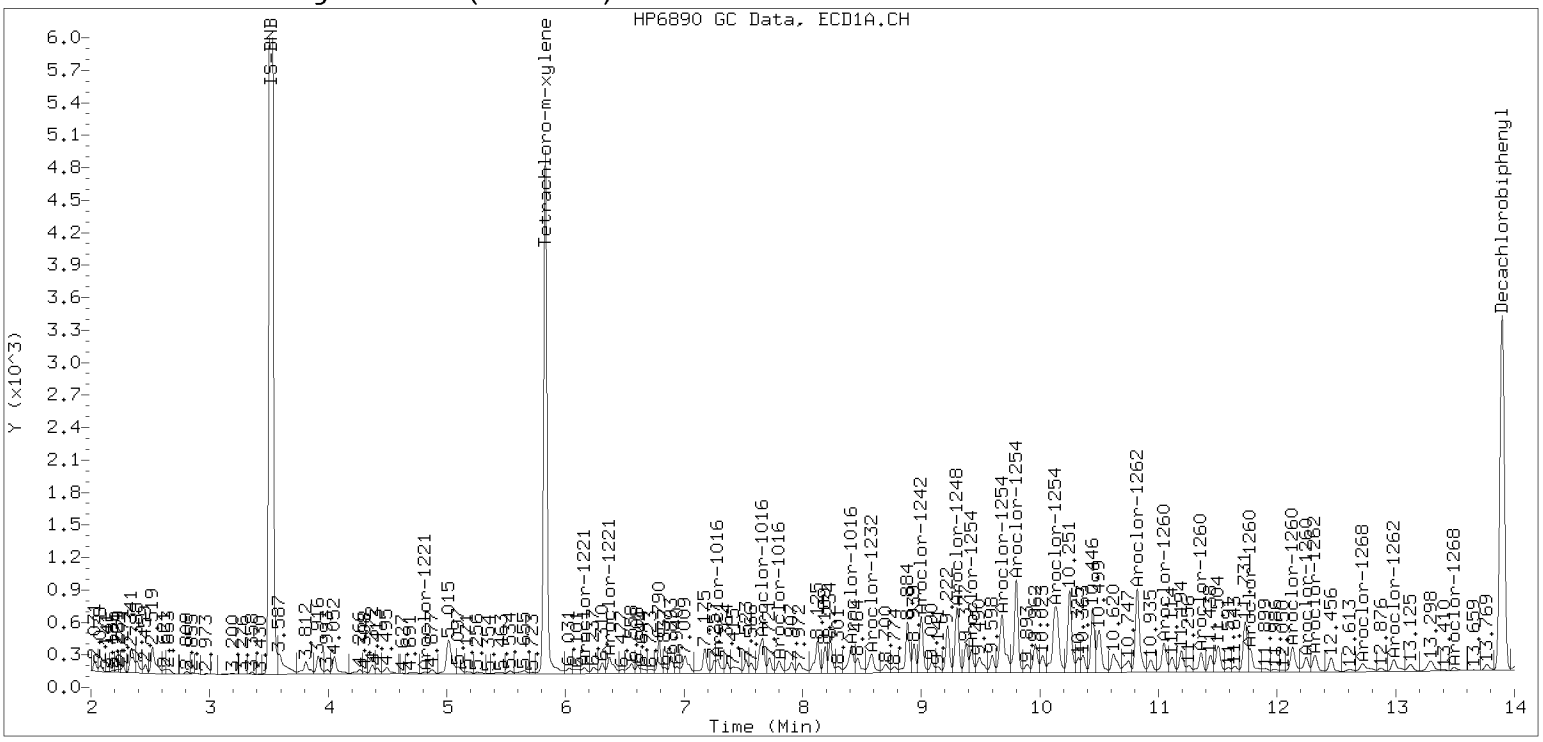
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212207ECD7.D Injection Date: 21-DEC-2022 17:53

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770E

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-51 B	File ID:	12212208ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:15
% Solids:	56.27	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.27 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	42.6	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	69.3	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	64.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9800*	*7.43*	*93.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9800*	*4.89*	*61.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9800*	*6.77*	*84.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9800*	*5.53*	*69.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212208ECD7.D
Data file 2: /221221.b/221221.b/12212208ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-51
Client ID:
Injection Date: 21-DEC-2022 18:15
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	170645	5.708	-0.003	104921	24.5	27.7	12.3	Tetrachloro-m-xylene
13.897	-0.007	156149	14.127	-0.004	152863	37.2	34.0	9.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	491235	9.7
Hexabromobiphenyl	798898	457670	-42.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	276016	10.8
Hexabromobiphenyl	362541	317103	-12.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.410	-0.017	41016	194.2	1	8.316	-0.007	22174	196.6
Aroclor-1248	2	8.580	-0.024	28744	106.6	2	8.722	-0.005	22963	193.6
Aroclor-1248	3	8.998	-0.024	84572	174.3	3	9.153	-0.018	28142	195.1
Aroclor-1248	4	9.301	-0.011	90168	379.4	4	9.631	0.039	3771	22.3
		Total Col1Ave (4 peaks):			213.6		Total Col2Ave (4 peaks):			151.9 RPD = 34
		Corrected Ave (3 peaks):			158.4		Corrected Ave (3 peaks):			137.0 RPD = 14
Aroclor-1254	1	9.301	-0.015	90168	208.5	1	9.454	-0.009	51384	288.7
Aroclor-1254	2	9.421	0.027	8688	51.7	2	9.972	-0.009	22753	159.0
Aroclor-1254	3	9.674	-0.012	67814	248.2	3	10.120	-0.012	94167	306.2
Aroclor-1254	4	9.800	-0.021	126902	238.3	4	10.371	-0.009	116587	366.0
Aroclor-1254	5	10.130	-0.045	171341	469.4	5	10.568	-0.010	94746	616.8
		Total Col1Ave (5 peaks):			243.2		Total Col2Ave (5 peaks):			347.4 RPD = 35
		Corrected Ave (4 peaks):			186.7		Corrected Ave (4 peaks):			280.0 RPD = 40
Aroclor-1260	1	11.046	-0.010	65106	390.8	1	11.658	-0.007	54798	327.4
Aroclor-1260	2	11.361	-0.014	51871	301.0	2	11.918	-0.009	111286	265.0
Aroclor-1260	3	11.730	-0.018	147920	326.7	3	12.438	-0.009	44807	400.6
Aroclor-1260	4	12.131	-0.018	82142	356.3	4	12.502	-0.009	83160	297.0
Aroclor-1260	5	12.246	-0.009	35150	372.4	NS	---			----
		Total Col1Ave (5 peaks):			349.5		Total Col2Ave (4 peaks):			322.5 RPD = 8
		Corrected Ave (4 peaks):			339.1		Corrected Ave (3 peaks):			296.4 RPD = 13
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2733131 Col1 Total PCB = 0.6 ppm*

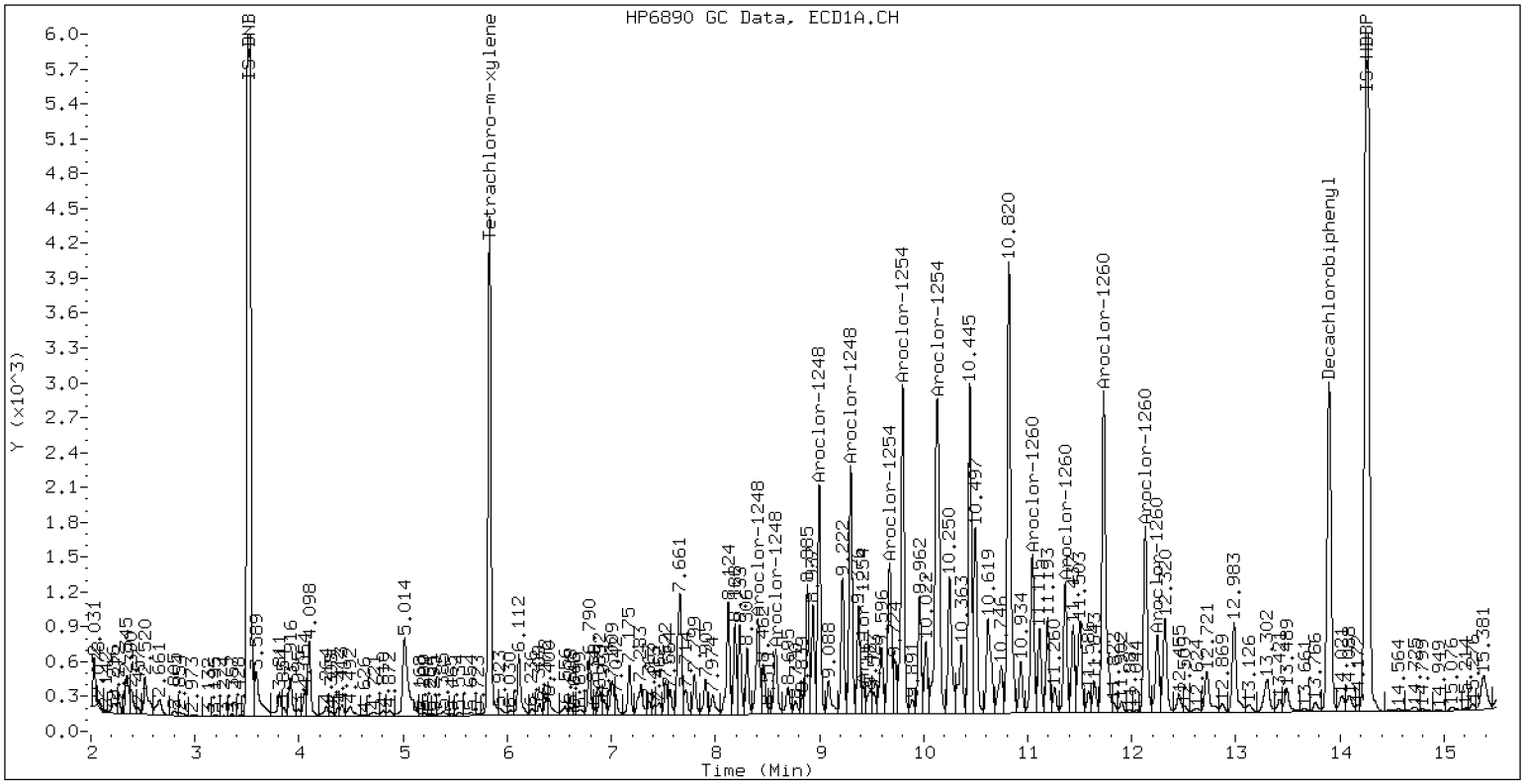
Total PCB Area Col2 (5.810 - 14.032) = 1819484 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

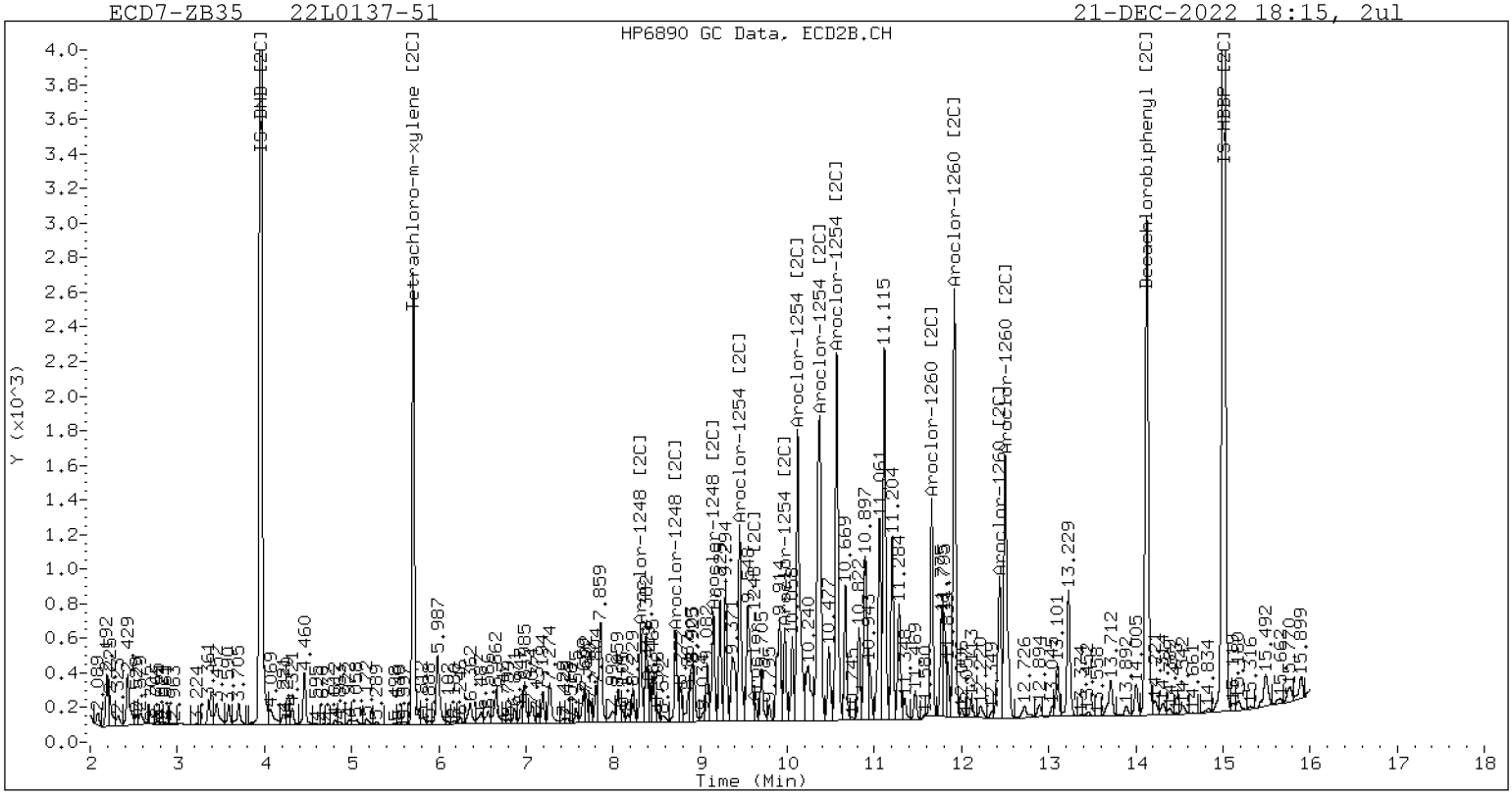
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-51 21-DEC-2022 18:15, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-51 21-DEC-2022 18:15, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-52 B	File ID:	12212209ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:36
% Solids:	59.54	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.99 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	38.8	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	62.6	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	50.7	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0016*	*7.32*	*91.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0016*	*4.86*	*60.7*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0016*	*6.72*	*84.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0016*	*5.64*	*70.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212209ECD7.D
Data file 2: /221221.b/221221.b/12212209ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-52
Client ID:
Injection Date: 21-DEC-2022 18:36
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	169756	5.708	-0.002	105333	24.3	28.2	15.0	Tetrachloro-m-xylene
13.897	-0.007	155224	14.128	-0.004	151274	36.6	33.6	8.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	493555	10.3
Hexabromobiphenyl	798898	462884	-42.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272442	9.4
Hexabromobiphenyl	362541	317002	-12.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.412	-0.016	33844	159.5	1	8.316	-0.007	27596	247.9
Aroclor-1248	2	8.581	-0.023	23748	87.6	2	8.722	-0.005	18615	159.0
Aroclor-1248	3	8.999	-0.024	81364	166.9	3	9.154	-0.018	26042	182.9
Aroclor-1248	4	9.300	-0.011	86506	362.3	4	9.632	0.040	3395	20.3
		Total Col1Ave (4 peaks):			194.1		Total Col2Ave (4 peaks):			152.5 RPD = 24
		Corrected Ave (3 peaks):			138.0		Corrected Ave (3 peaks):			120.7 RPD = 13
Aroclor-1254	1	9.300	-0.015	86506	199.1	1	9.454	-0.009	50502	287.5
Aroclor-1254	2	9.421	0.027	7890	46.7	2	9.972	-0.009	20520	145.3
Aroclor-1254	3	9.673	-0.013	60623	220.9	3	10.120	-0.012	89011	293.2
Aroclor-1254	4	9.801	-0.020	119558	223.5	4	10.370	-0.010	104124	331.2
Aroclor-1254	5	10.132	-0.044	151702	413.7	5	10.569	-0.010	77006	507.9
		Total Col1Ave (5 peaks):			220.7		Total Col2Ave (5 peaks):			313.0 RPD = 35
		Corrected Ave (4 peaks):			172.5		Corrected Ave (4 peaks):			264.3 RPD = 42*
Aroclor-1260	1	11.046	-0.010	49890	296.1	1	11.658	-0.007	44683	267.0
Aroclor-1260	2	11.361	-0.013	41755	239.6	2	11.919	-0.008	92869	221.2
Aroclor-1260	3	11.732	-0.016	118120	258.0	3	12.438	-0.008	32183	287.8
Aroclor-1260	4	12.131	-0.018	66033	283.2	4	12.502	-0.009	66293	236.8
Aroclor-1260	5	12.246	-0.010	28796	301.7	NS	---			----
		Total Col1Ave (5 peaks):			275.7		Total Col2Ave (4 peaks):			253.2 RPD = 9
		Corrected Ave (4 peaks):			269.2		Corrected Ave (3 peaks):			241.7 RPD = 11
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2332503 Col1 Total PCB = 0.5 ppm*

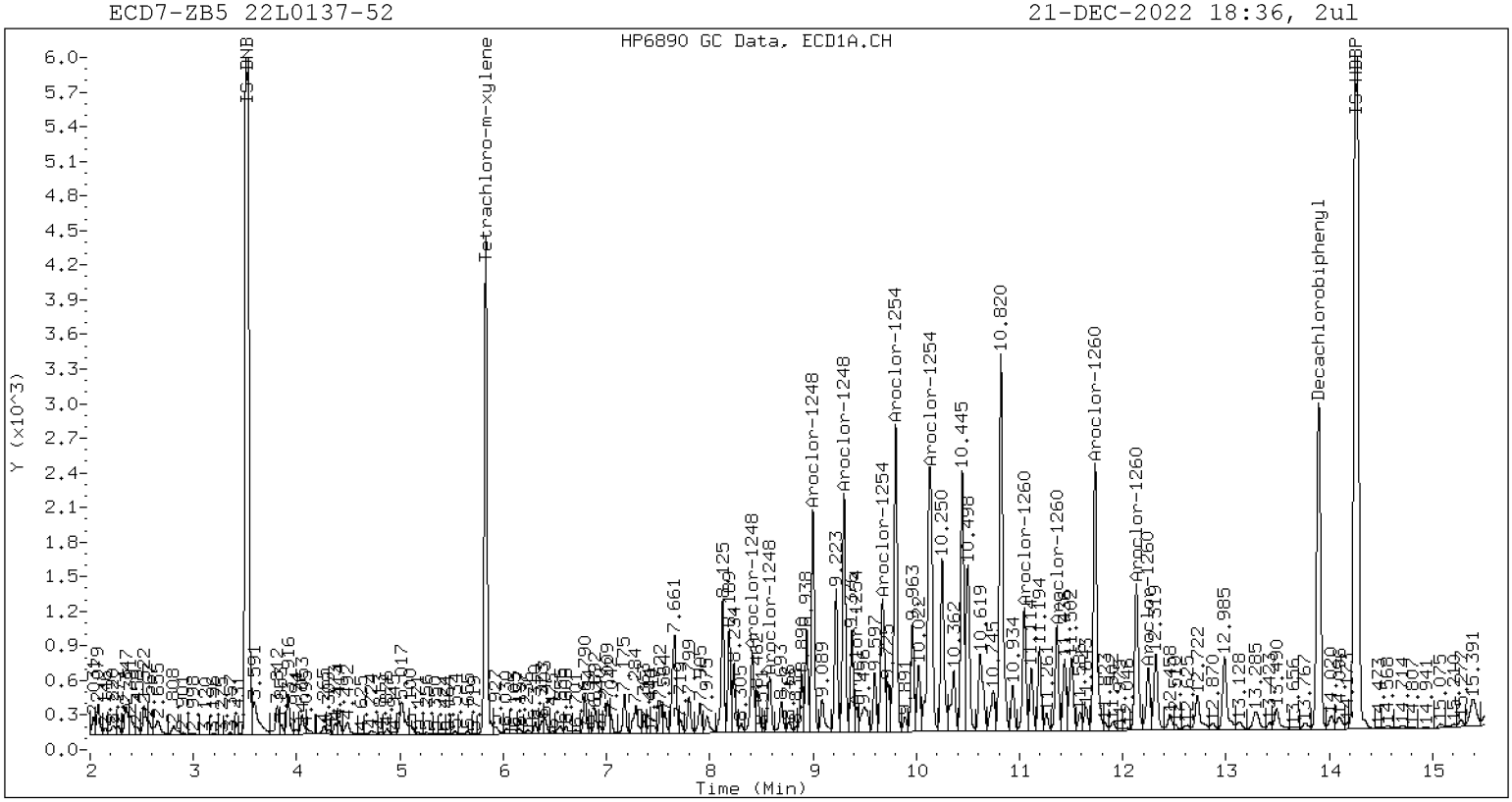
Total PCB Area Col2 (5.810 - 14.032) = 1573555 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

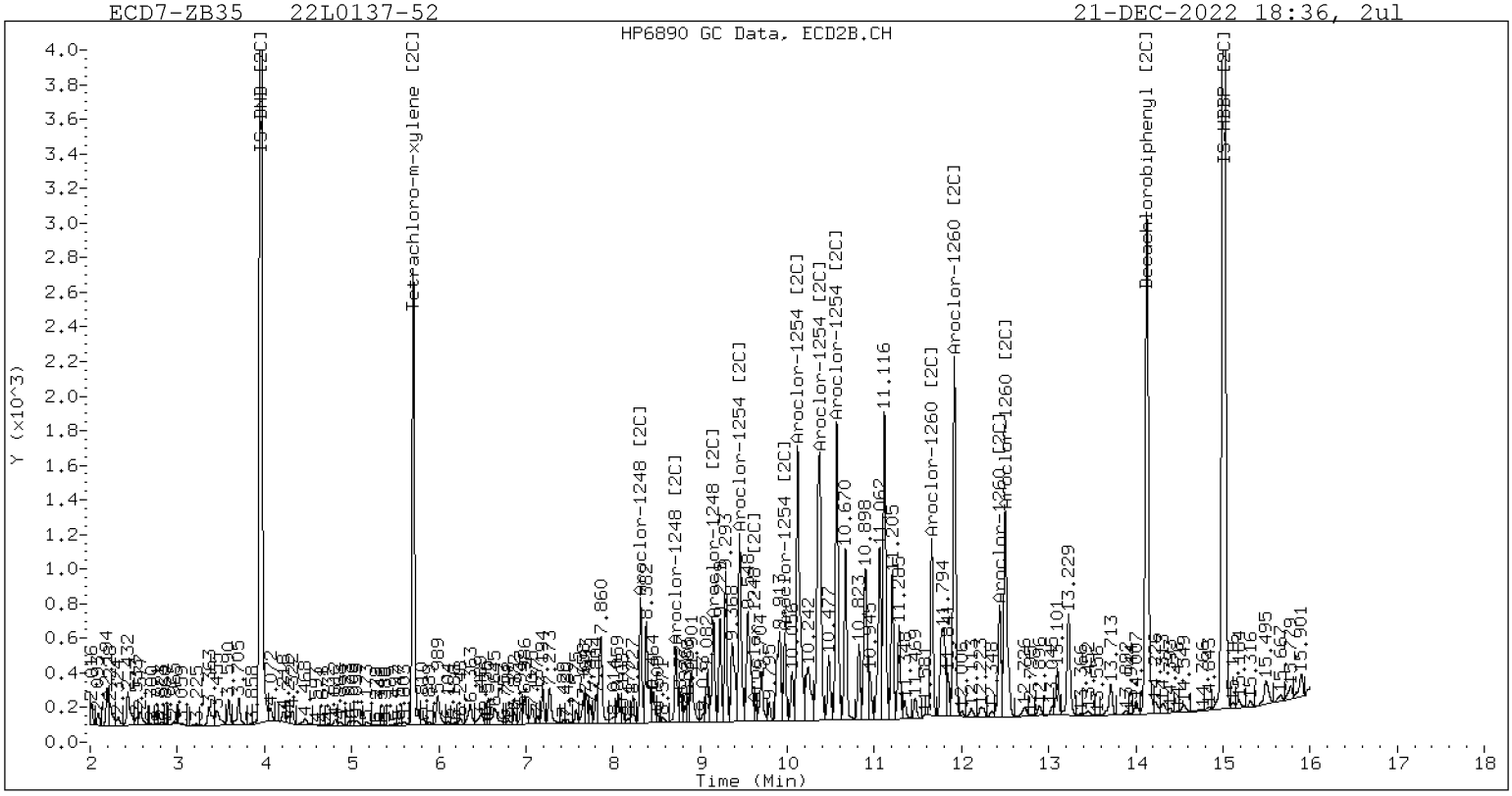
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-52 21-DEC-2022 18:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-52 21-DEC-2022 18:36, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-53 B	File ID:	12212210ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:57
% Solids:	60.88	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.54 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	117	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	142	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	86.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9970*	*7.58*	*94.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9970*	*4.70*	*58.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9970*	*6.87*	*85.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9970*	*5.54*	*69.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212210ECD7.D
Data file 2: /221221.b/221221.b/12212210ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-53
Client ID:
Injection Date: 21-DEC-2022 18:57
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	164536	5.707	-0.003	102337	23.5	27.7	16.4	Tetrachloro-m-xylene
13.898	-0.006	154950	14.128	-0.004	151041	37.9	34.4	9.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	493374	10.2
Hexabromobiphenyl	798898	445703	-44.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	269282	8.1
Hexabromobiphenyl	362541	309612	-14.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.014	132419	624.2	1	8.316	-0.007	111400	1012.7
Aroclor-1248	2	8.580	-0.024	132471	489.1	2	8.722	-0.005	92442	799.0
Aroclor-1248	3	8.997	-0.025	313138	642.7	3	9.153	-0.018	98569	700.4
Aroclor-1248	4	9.301	-0.010	262689	1100.5	4	9.632	0.040	13919	84.2
		Total Col1Ave (4 peaks):			714.1		Total Col2Ave (4 peaks):			649.1 RPD = 10
		Corrected Ave (3 peaks):			585.3		Corrected Ave (3 peaks):			527.9 RPD = 10
Aroclor-1254	1	9.301	-0.014	262689	604.7	1	9.454	-0.009	135227	778.9
Aroclor-1254	2	9.376	-0.018	129988	769.4	2	9.972	-0.009	52039	372.8
Aroclor-1254	3	9.671	-0.016	135131	492.5	3	10.120	-0.012	250444	834.7
Aroclor-1254	4	9.801	-0.020	353196	660.4	4	10.359	-0.021	264647	851.7
Aroclor-1254	5	10.139	-0.037	362969	990.1	5	10.569	-0.009	160806	1073.0
		Total Col1Ave (5 peaks):			703.4		Total Col2Ave (5 peaks):			782.2 RPD = 11
		Corrected Ave (4 peaks):			631.8		Corrected Ave (4 peaks):			709.5 RPD = 12
Aroclor-1260	1	11.047	-0.009	82009	505.5	1	11.658	-0.007	86439	528.9
Aroclor-1260	2	11.362	-0.012	68562	408.6	2	11.920	-0.008	150703	367.5
Aroclor-1260	3	11.732	-0.016	179998	408.3	3	12.439	-0.008	49217	450.7
Aroclor-1260	4	12.132	-0.017	101959	454.1	4	12.503	-0.009	105612	386.3
Aroclor-1260	5	12.247	-0.008	44631	485.6	NS	---			----
		Total Col1Ave (5 peaks):			452.4		Total Col2Ave (4 peaks):			433.3 RPD = 4
		Corrected Ave (4 peaks):			439.1		Corrected Ave (3 peaks):			401.5 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 6033623 Col1 Total PCB = 1.3 ppm*

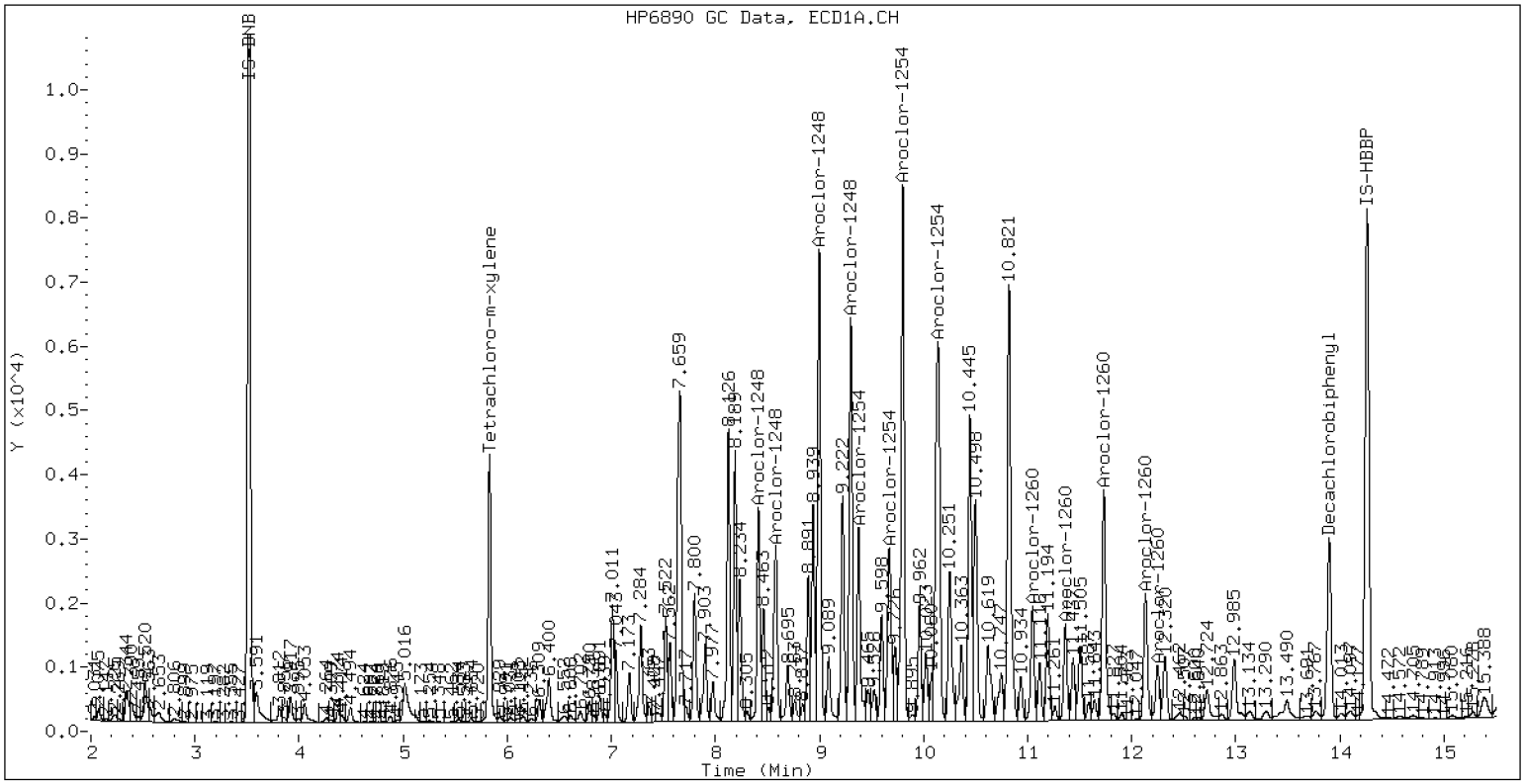
Total PCB Area Col2 (5.810 - 14.032) = 4043598 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

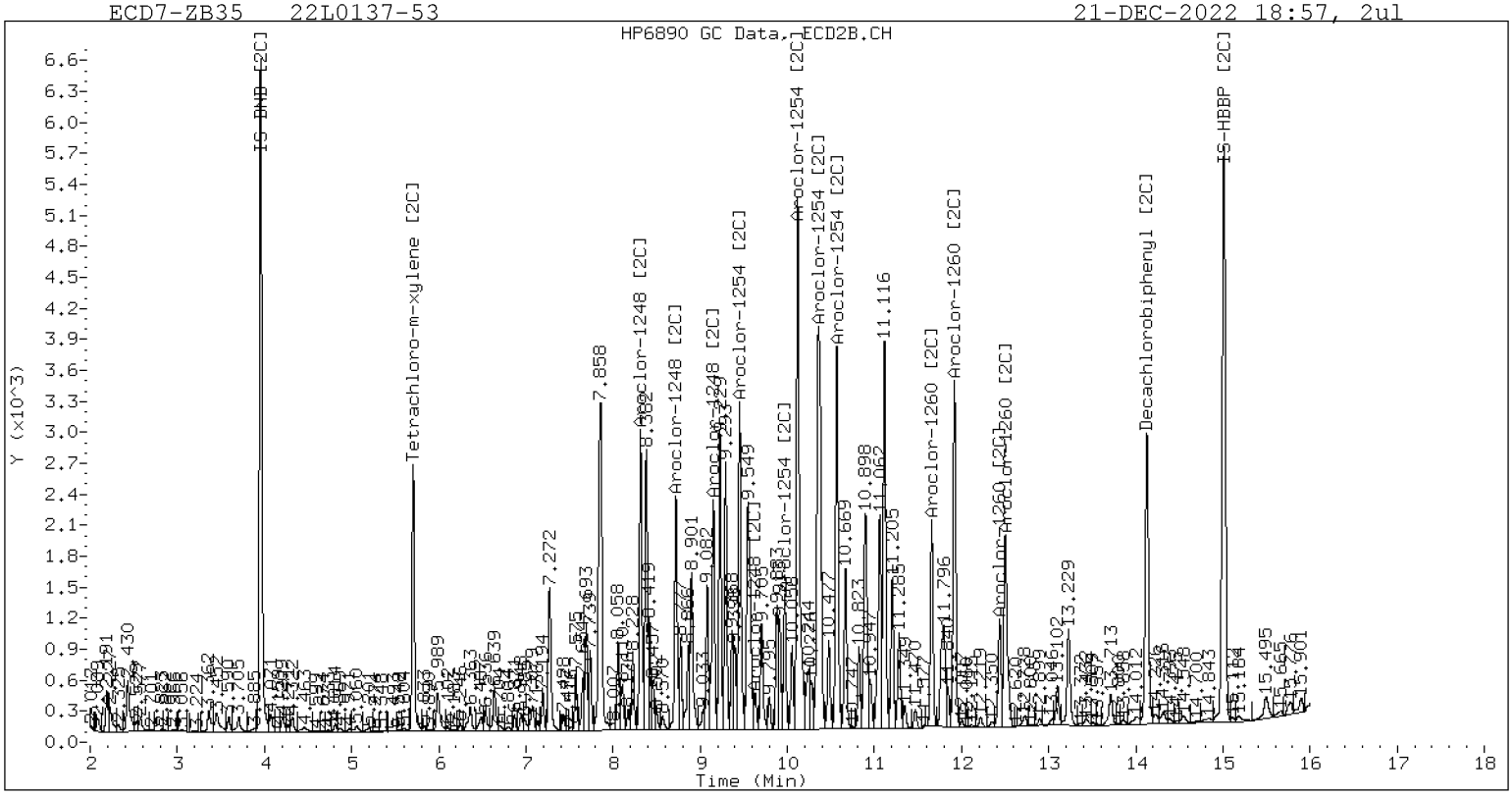
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-53 21-DEC-2022 18:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-53 21-DEC-2022 18:57, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-54RE1 B	File ID:	12222223ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:37
% Solids:	62.79	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.94 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	385	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	329	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	122	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9870*	*8.46*	*106*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9870*	*6.22*	*77.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222223ECD7.D
Data file 2: /221222.b/221222.b/12222223ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-54RE1
Client ID:
Injection Date: 22-DEC-2022 23:37
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	44167	5.706	-0.008	25862	6.2	6.7	6.7	Tetrachloro-m-xylene
13.898	-0.006	52276	14.128	-0.009	39370	8.5	7.0	19.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	500327	11.8
Hexabromobiphenyl	798898	672834	-15.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	283338	13.7
Hexabromobiphenyl	362541	395803	9.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	92292	429.0	1	8.316	-0.010	77007	665.3
Aroclor-1248	2	8.582	-0.023	95730	348.5	2	8.722	-0.011	58672	481.9
Aroclor-1248	3	9.000	-0.022	189062	382.6	3	9.154	-0.023	51977	351.0
Aroclor-1248	4	9.302	-0.009	139820	577.6	4	9.633	0.031	9102	52.4
		Total Col1Ave (4 peaks):			434.5		Total Col2Ave (4 peaks):			387.6 RPD = 11
		Corrected Ave (3 peaks):			386.7		Corrected Ave (3 peaks):			295.1 RPD = 27
Aroclor-1254	1	9.302	-0.019	139820	317.4	1	9.454	-0.013	64854	355.0
Aroclor-1254	2	9.377	-0.024	73427	428.6	2	9.971	-0.015	21278	144.9
Aroclor-1254	3	9.671	-0.023	56925	204.6	3	10.120	-0.019	122696	388.6
Aroclor-1254	4	9.803	-0.028	201401	371.4	4	10.365	-0.025	118532	362.5
Aroclor-1254	5	10.143	-0.046	192701	518.3	5	10.569	-0.018	65239	413.7
		Total Col1Ave (5 peaks):			368.1		Total Col2Ave (5 peaks):			333.0 RPD = 10
		Corrected Ave (4 peaks):			330.5		Corrected Ave (4 peaks):			312.8 RPD = 6
Aroclor-1260	1	11.047	-0.009	35370	144.4	1	11.657	-0.012	32232	154.3
Aroclor-1260	2	11.362	-0.012	26470	104.5	2	11.918	-0.015	50889	97.1
Aroclor-1260	3	11.733	-0.014	71486	107.4	3	12.437	-0.014	17706	126.8
Aroclor-1260	4	12.132	-0.016	40994	120.9	4	12.502	-0.015	36666	104.9
Aroclor-1260	5	12.247	-0.011	18525	133.5	NS	---			----
		Total Col1Ave (5 peaks):			122.2		Total Col2Ave (4 peaks):			120.8 RPD = 1
		Corrected Ave (4 peaks):			116.6		Corrected Ave (3 peaks):			109.6 RPD = 6
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 3385847 Col1 Total PCB = 0.7 ppm*

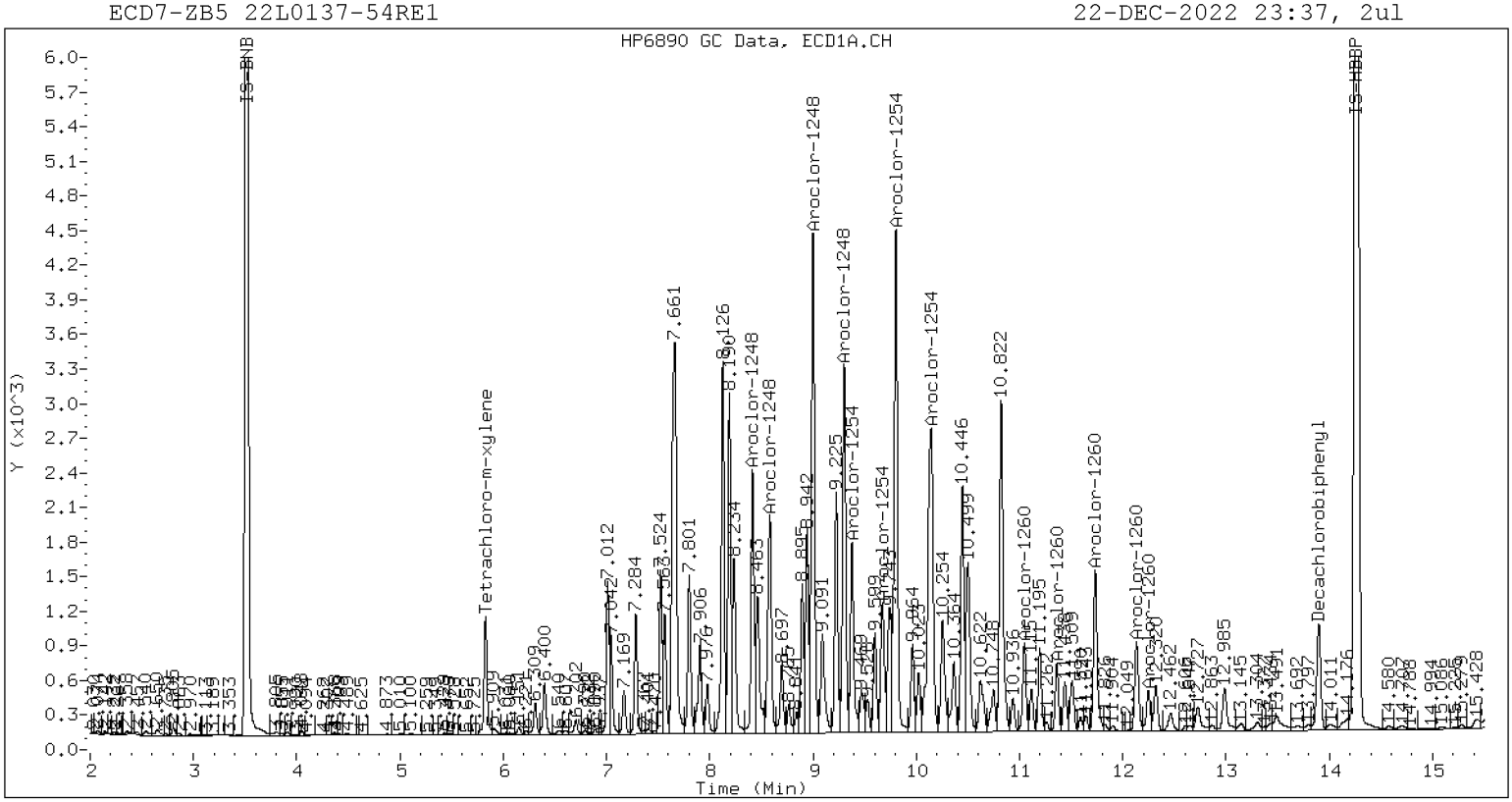
Total PCB Area Col2 (5.813 - 14.037) = 2062846 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

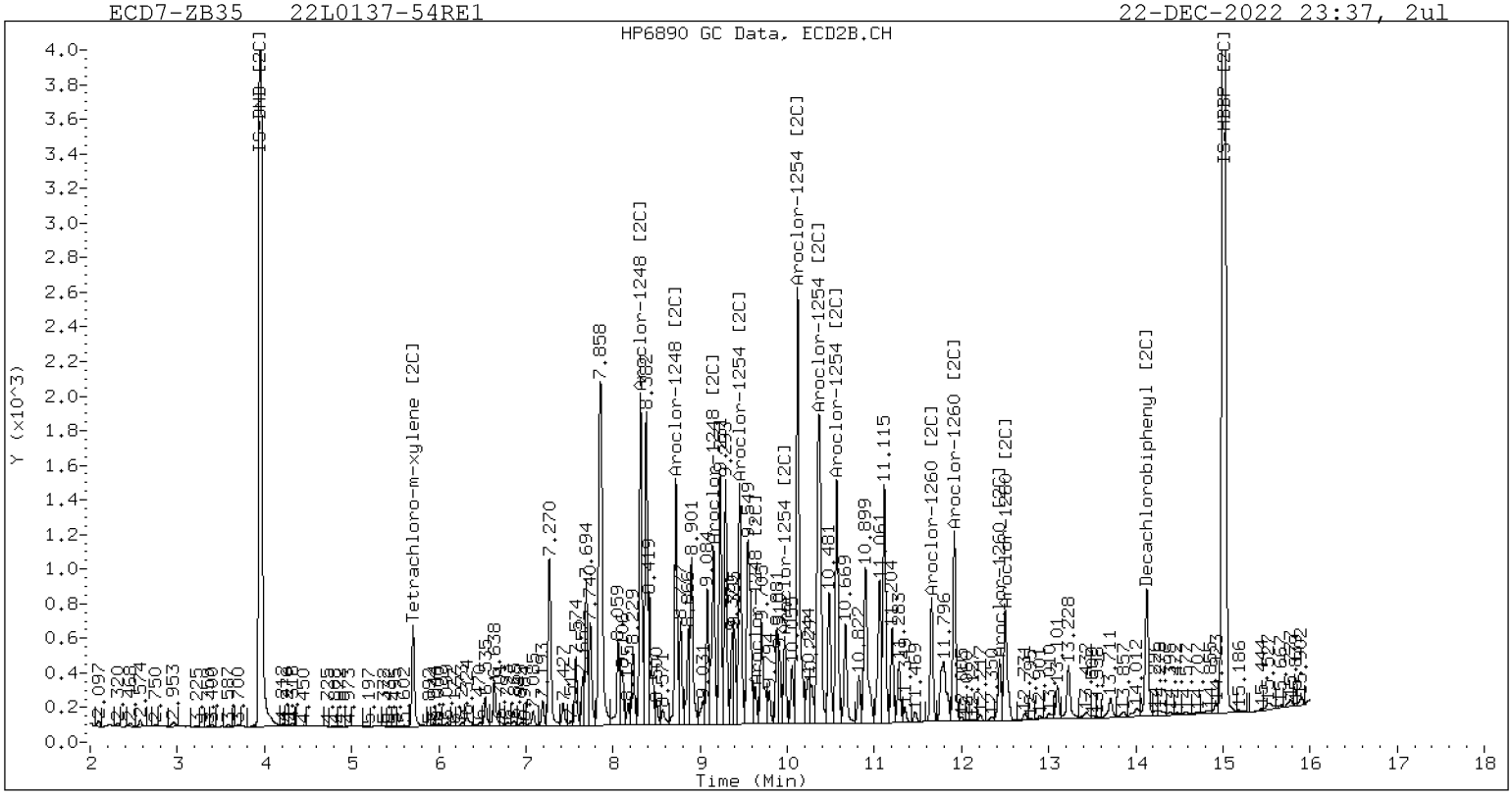
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-54RE1 22-DEC-2022 23:37, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-54RE1 22-DEC-2022 23:37, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-55 B	File ID:	12212212ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 19:39
% Solids:	63.57	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.66 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	176	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	138	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	64.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0014*	*7.83*	*97.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0014*	*5.31*	*66.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0014*	*7.15*	*89.4*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0014*	*5.89*	*73.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212212ECD7.D
Data file 2: /221221.b/221221.b/12212212ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-55
Client ID:
Injection Date: 21-DEC-2022 19:39
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	176600	5.706	-0.004	105985	26.6	29.4	10.3	Tetrachloro-m-xylene
13.898	-0.006	163410	14.128	-0.004	158234	39.1	35.8	9.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	469173	4.8
Hexabromobiphenyl	798898	455521	-43.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	262628	5.4
Hexabromobiphenyl	362541	311695	-14.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	177376	879.3	1	8.317	-0.006	148218	1381.5
Aroclor-1248	2	8.580	-0.025	195118	757.6	2	8.723	-0.004	122892	1089.1
Aroclor-1248	3	8.997	-0.025	353784	763.6	3	9.154	-0.018	111432	811.8
Aroclor-1248	4	9.301	-0.010	253628	1117.3	4	9.633	0.041	14545	90.3
		Total Col1Ave (4 peaks):			879.4		Total Col2Ave (4 peaks):			843.2 RPD = 4
		Corrected Ave (3 peaks):			800.1		Corrected Ave (3 peaks):			663.7 RPD = 19
Aroclor-1254	1	9.301	-0.014	253628	614.0	1	9.455	-0.008	122482	723.3
Aroclor-1254	2	9.376	-0.018	129244	804.5	2	9.972	-0.009	40120	294.7
Aroclor-1254	3	9.673	-0.014	119228	457.0	3	10.120	-0.012	225104	769.3
Aroclor-1254	4	9.801	-0.020	337823	664.3	4	10.360	-0.020	227126	749.5
Aroclor-1254	5	10.138	-0.038	314384	901.8	5	10.570	-0.009	130733	894.4
		Total Col1Ave (5 peaks):			688.3		Total Col2Ave (5 peaks):			686.2 RPD = 0
		Corrected Ave (4 peaks):			634.9		Corrected Ave (4 peaks):			634.2 RPD = 0
Aroclor-1260	1	11.047	-0.009	69846	421.2	1	11.659	-0.006	63174	384.0
Aroclor-1260	2	11.361	-0.013	53489	311.9	2	11.919	-0.008	111718	270.6
Aroclor-1260	3	11.731	-0.017	136364	302.6	3	12.439	-0.007	37996	345.6
Aroclor-1260	4	12.132	-0.017	77811	339.1	4	12.502	-0.010	81389	295.7
Aroclor-1260	5	12.247	-0.009	38729	412.3	NS	---			----
		Total Col1Ave (5 peaks):			357.4		Total Col2Ave (4 peaks):			324.0 RPD = 10
		Corrected Ave (4 peaks):			341.5		Corrected Ave (3 peaks):			304.0 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 6534107 Col1 Total PCB = 1.5 ppm*

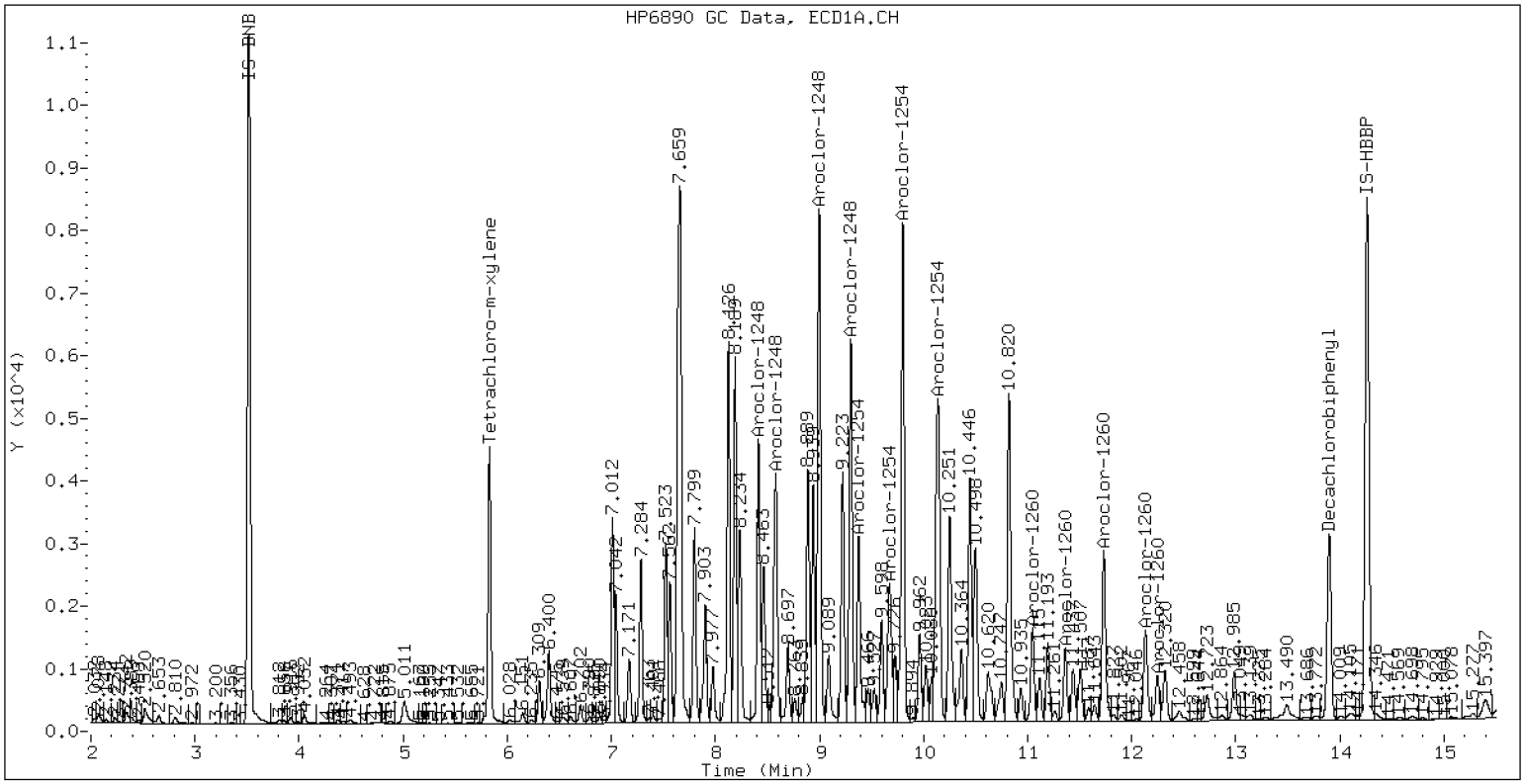
Total PCB Area Col2 (5.810 - 14.032) = 4187718 Col2 Total PCB = 1.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

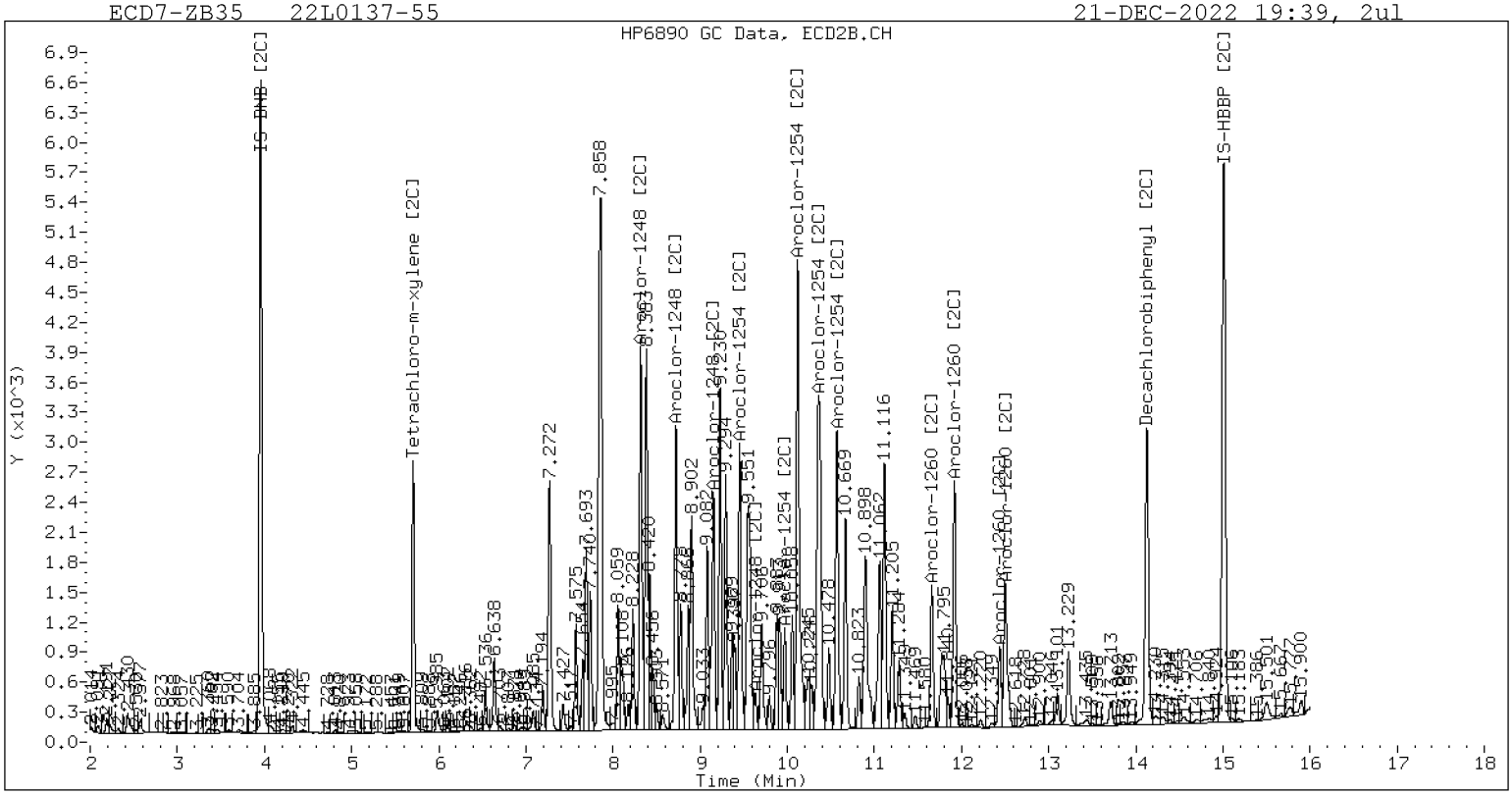
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-55 21-DEC-2022 19:39, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-55 21-DEC-2022 19:39, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-55RE1 B	File ID:	12222224ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:59
% Solids:	63.57	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.66 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	214	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	176	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	69.1	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0014*	*8.51*	*106*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0014*	*6.27*	*78.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222224ECD7.D
Data file 2: /221222.b/221222.b/12222224ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-55RE1
Client ID:
Injection Date: 22-DEC-2022 23:59
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	45097	5.706	-0.008	24140	6.3	6.1	2.1	Tetrachloro-m-xylene
13.898	-0.006	57573	14.127	-0.010	39489	8.5	6.5	26.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	507544	13.4
Hexabromobiphenyl	798898	738200	-7.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	286815	15.1
Hexabromobiphenyl	362541	426802	17.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.415	-0.013	51319	235.2	1	8.317	-0.009	39221	334.7
Aroclor-1248	2	8.582	-0.023	57441	206.2	2	8.723	-0.010	31233	253.4
Aroclor-1248	3	9.000	-0.022	100599	200.7	3	9.156	-0.022	30090	200.7
Aroclor-1248	4	9.302	-0.009	75336	306.8	4	9.633	0.031	4687	26.6
	Total Col1Ave (4 peaks):				237.2	Total Col2Ave (4 peaks):				203.9 RPD = 15
	Corrected Ave (3 peaks):				214.0	Corrected Ave (3 peaks):				160.3 RPD = 29
Aroclor-1254	1	9.302	-0.019	75336	168.6	1	9.455	-0.012	33854	183.1
Aroclor-1254	2	9.378	-0.024	40407	232.5	2	9.973	-0.014	11321	76.1
Aroclor-1254	3	9.674	-0.021	34016	120.5	3	10.121	-0.019	59868	187.3
Aroclor-1254	4	9.804	-0.027	102251	185.9	4	10.367	-0.022	61782	186.7
Aroclor-1254	5	10.142	-0.047	102698	272.3	5	10.569	-0.017	35755	224.0
	Total Col1Ave (5 peaks):				196.0	Total Col2Ave (5 peaks):				171.4 RPD = 13
	Corrected Ave (4 peaks):				176.9	Corrected Ave (4 peaks):				158.3 RPD = 11
Aroclor-1260	1	11.048	-0.008	22437	83.5	1	11.659	-0.010	16920	75.1
Aroclor-1260	2	11.362	-0.012	17118	61.6	2	11.918	-0.014	29155	51.6
Aroclor-1260	3	11.734	-0.013	35441	48.5	3	12.410	-0.041	57473	381.8
Aroclor-1260	4	12.134	-0.014	25204	67.8	4	12.502	-0.014	22451	59.6
Aroclor-1260	5	12.248	-0.011	12795	84.1	NS	---			----
	Total Col1Ave (5 peaks):				69.1	Total Col2Ave (4 peaks):				142.0 RPD = 69*
	Corrected Ave (4 peaks):				65.4	Corrected Ave (3 peaks):				62.1 RPD = 5
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2166562 Col1 Total PCB = 0.4 ppm*

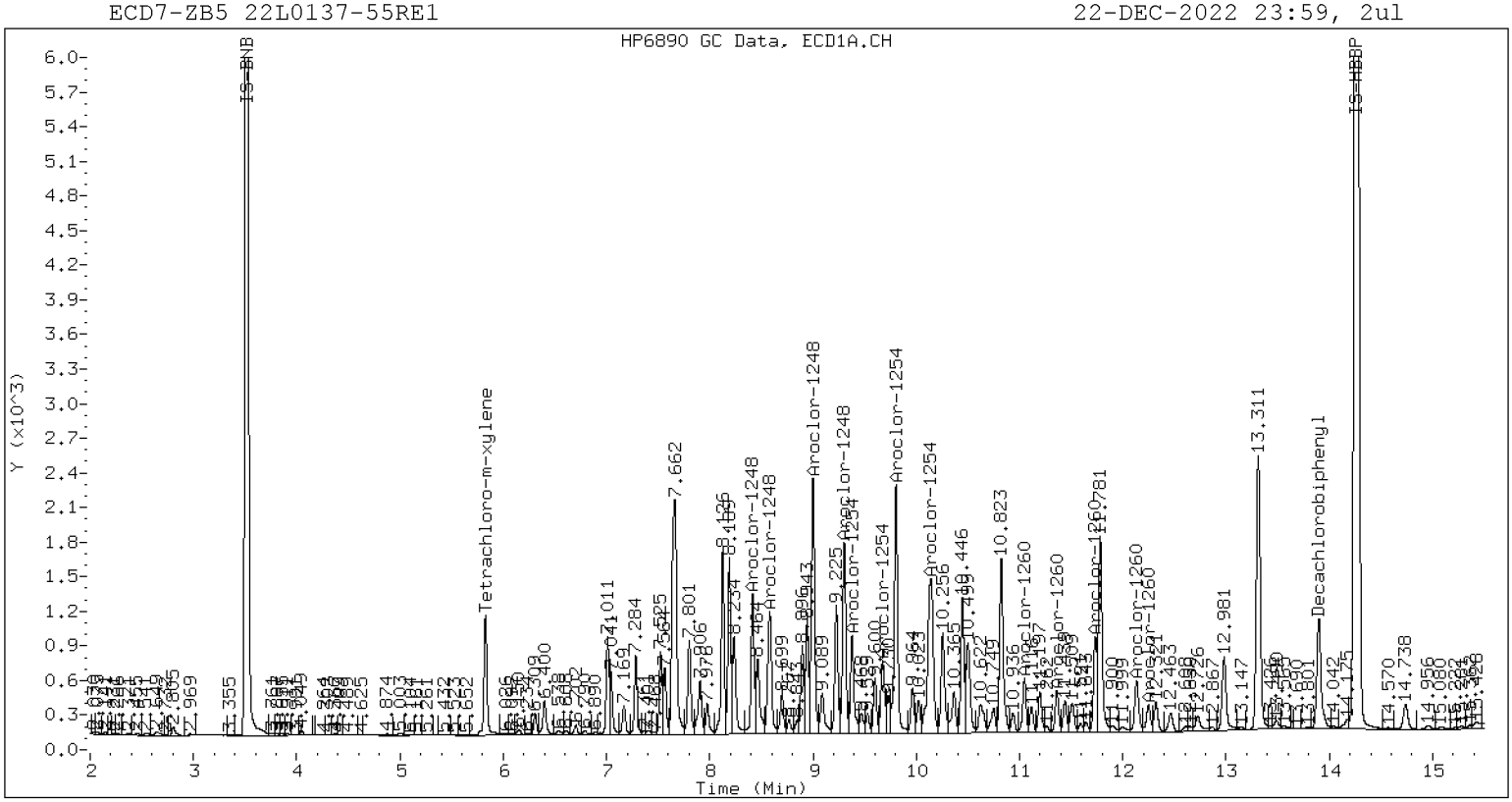
Total PCB Area Col2 (5.813 - 14.037) = 1202706 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

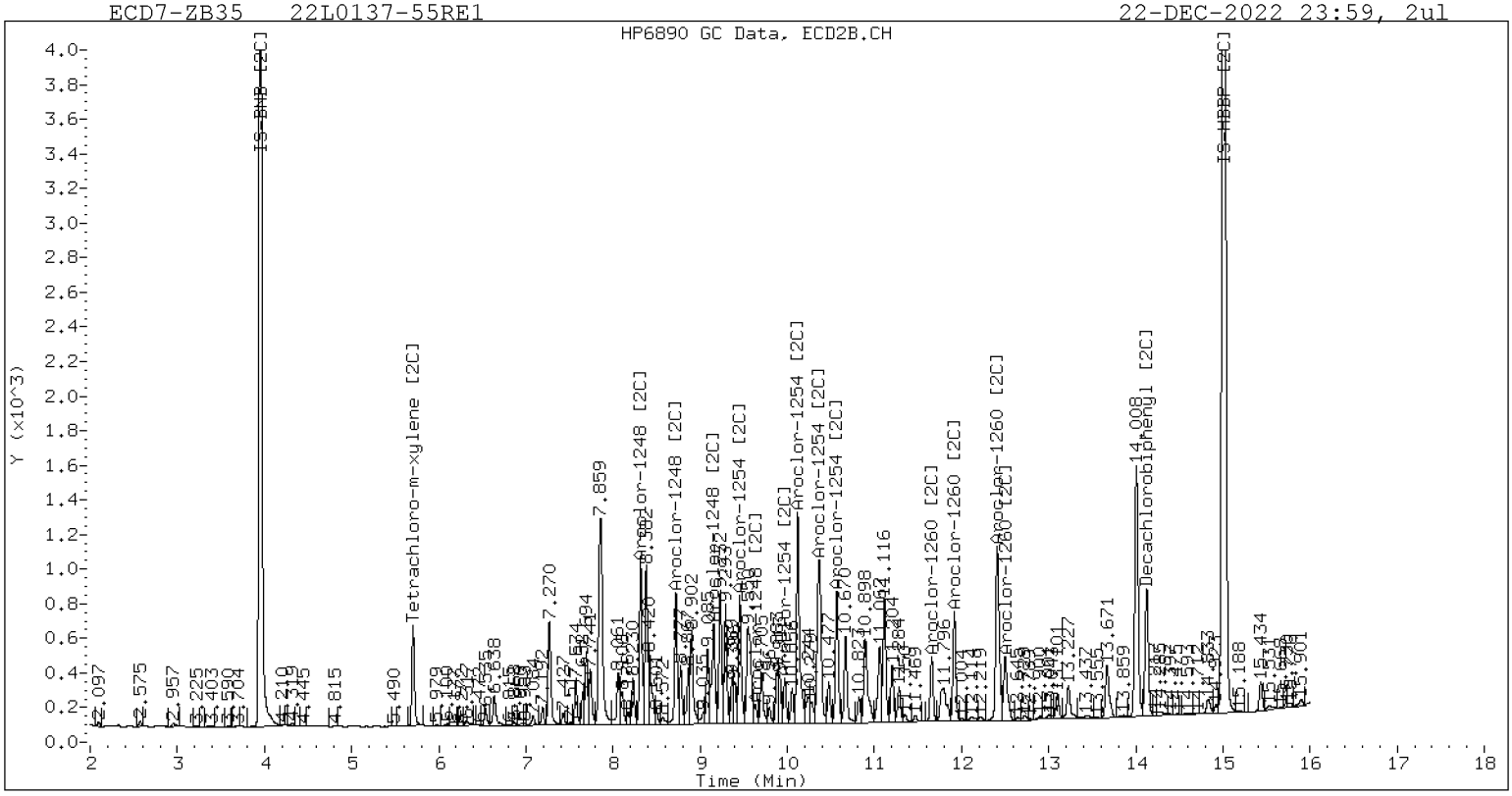
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-55RE1 22-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-55RE1 22-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-56 B	File ID:	12212213ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:01
% Solids:	64.47	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.44 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	175	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	151	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	68.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9790*	*8.02*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9790*	*5.17*	*64.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9790*	*7.08*	*88.8*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9790*	*5.74*	*71.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212213ECD7.D
Data file 2: /221221.b/221221.b/12212213ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-56
Client ID:
Injection Date: 21-DEC-2022 20:01
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	166946	5.706	-0.004	102301	25.9	28.8	10.5	Tetrachloro-m-xylene
13.896	-0.007	165055	14.128	-0.004	153034	40.2	35.5	12.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	454838	1.6
Hexabromobiphenyl	798898	447983	-43.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	259477	4.2
Hexabromobiphenyl	362541	303564	-16.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	189808	970.6	1	8.317	-0.007	145635	1373.9
Aroclor-1248	2	8.580	-0.024	200472	802.9	2	8.722	-0.005	132178	1185.6
Aroclor-1248	3	8.997	-0.025	386023	859.4	3	9.154	-0.018	122684	904.6
Aroclor-1248	4	9.301	-0.010	274617	1247.9	4	9.633	0.041	15306	96.1
		Total Col1Ave (4 peaks):			970.2		Total Col2Ave (4 peaks):			890.1 RPD = 9
		Corrected Ave (3 peaks):			877.6		Corrected Ave (3 peaks):			728.8 RPD = 19
Aroclor-1254	1	9.301	-0.015	274617	685.7	1	9.454	-0.009	133246	796.5
Aroclor-1254	2	9.376	-0.018	139095	893.1	2	9.972	-0.009	41917	311.6
Aroclor-1254	3	9.672	-0.014	127699	504.9	3	10.120	-0.012	245933	850.6
Aroclor-1254	4	9.801	-0.020	364692	739.7	4	10.359	-0.021	249497	833.3
Aroclor-1254	5	10.136	-0.040	174353	515.9	5	10.569	-0.009	143281	992.2
		Total Col1Ave (5 peaks):			667.9		Total Col2Ave (5 peaks):			756.8 RPD = 12
		Corrected Ave (4 peaks):			611.5		Corrected Ave (4 peaks):			698.0 RPD = 13
Aroclor-1260	1	11.047	-0.010	76033	466.3	1	11.659	-0.006	66741	416.5
Aroclor-1260	2	11.360	-0.014	55589	329.6	2	11.919	-0.008	117624	292.5
Aroclor-1260	3	11.732	-0.016	145156	327.6	3	12.439	-0.008	37519	350.4
Aroclor-1260	4	12.131	-0.018	86000	381.1	4	12.502	-0.009	82932	309.4
Aroclor-1260	5	12.247	-0.008	39881	431.7	NS	---			----
		Total Col1Ave (5 peaks):			387.2		Total Col2Ave (4 peaks):			342.2 RPD = 12
		Corrected Ave (4 peaks):			367.5		Corrected Ave (3 peaks):			317.4 RPD = 15
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 6906191 Col1 Total PCB = 1.6 ppm*

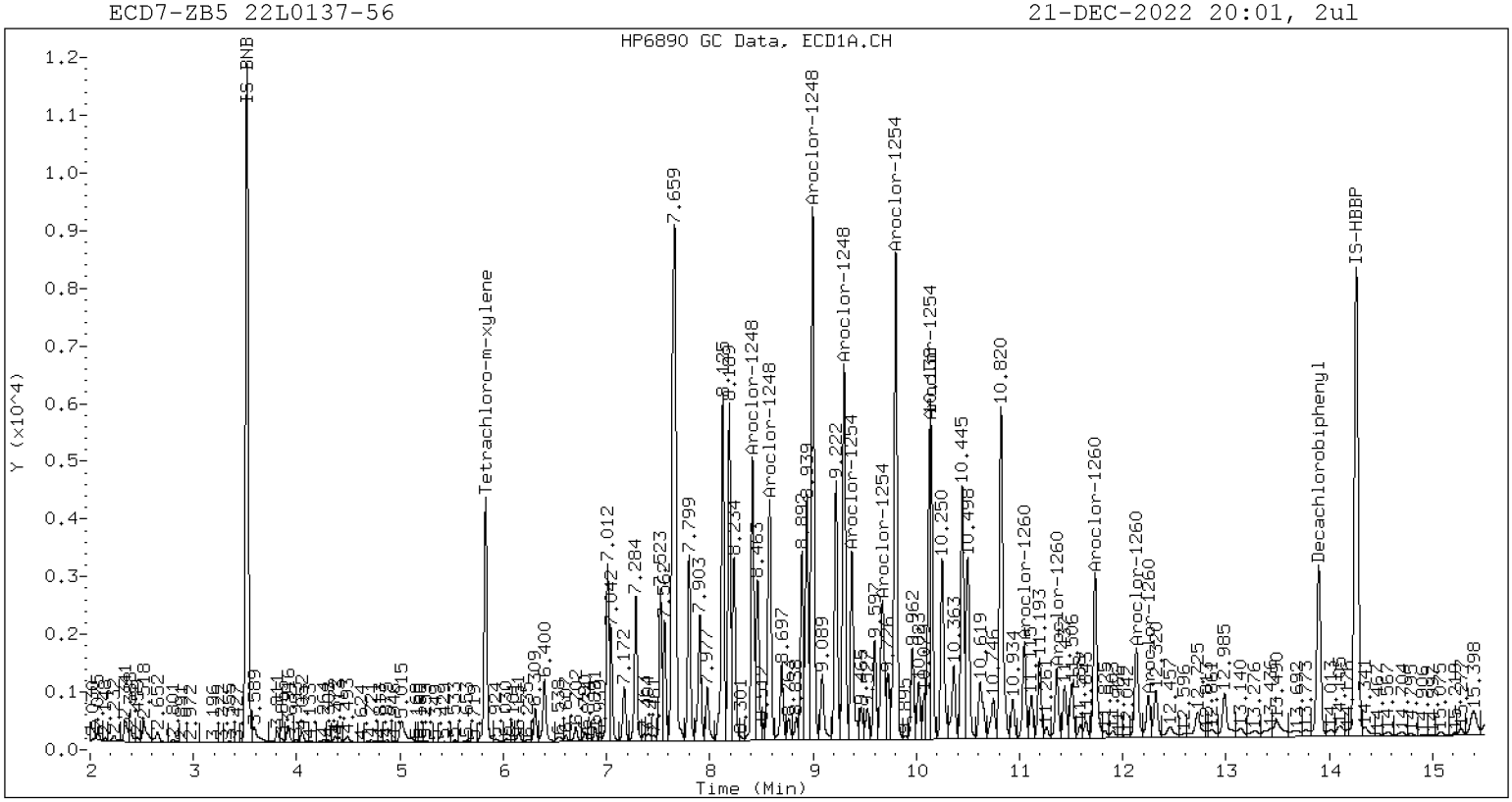
Total PCB Area Col2 (5.810 - 14.032) = 4408611 Col2 Total PCB = 1.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

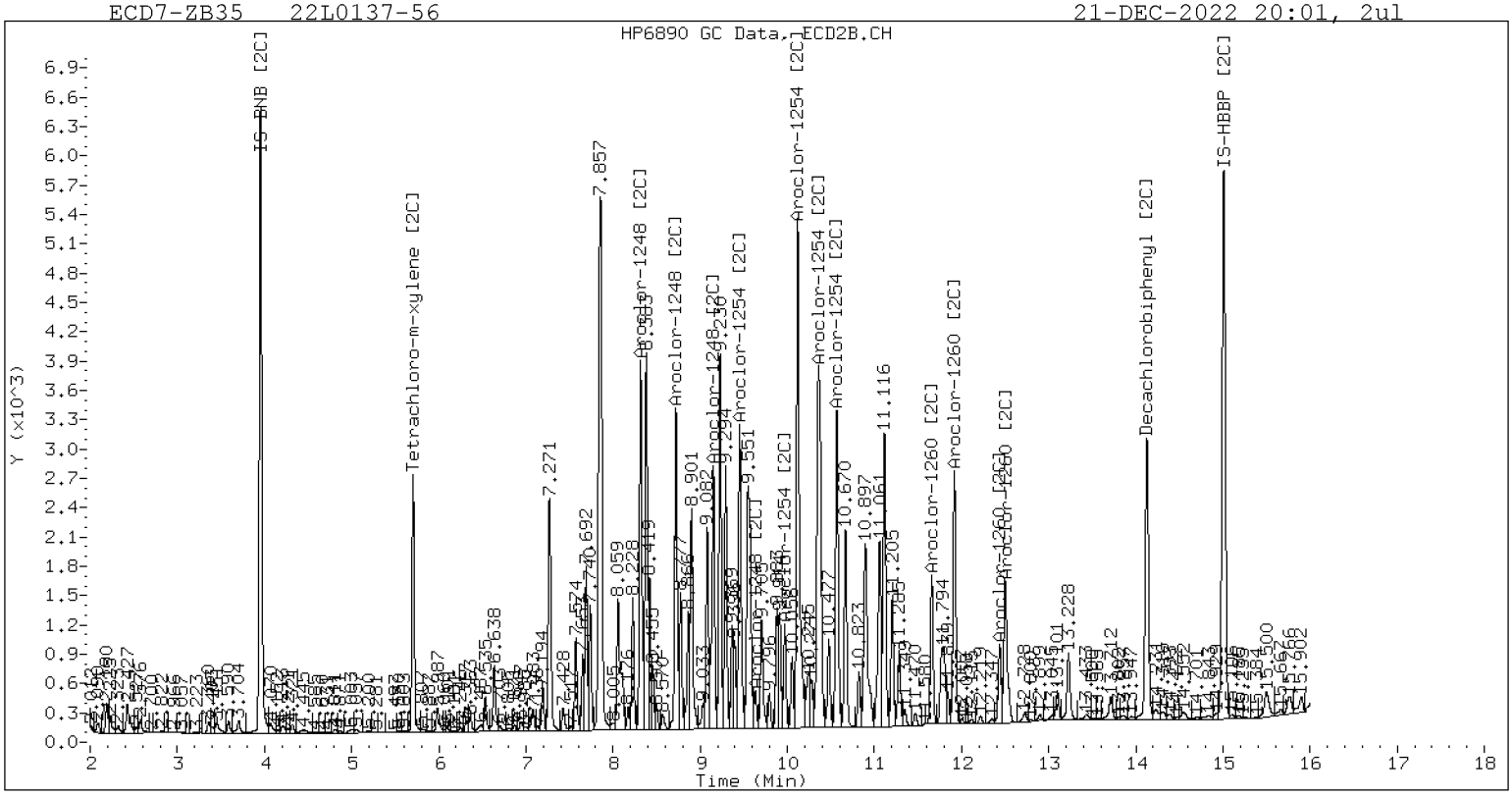
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-56 21-DEC-2022 20:01, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-56 21-DEC-2022 20:01, 2ul

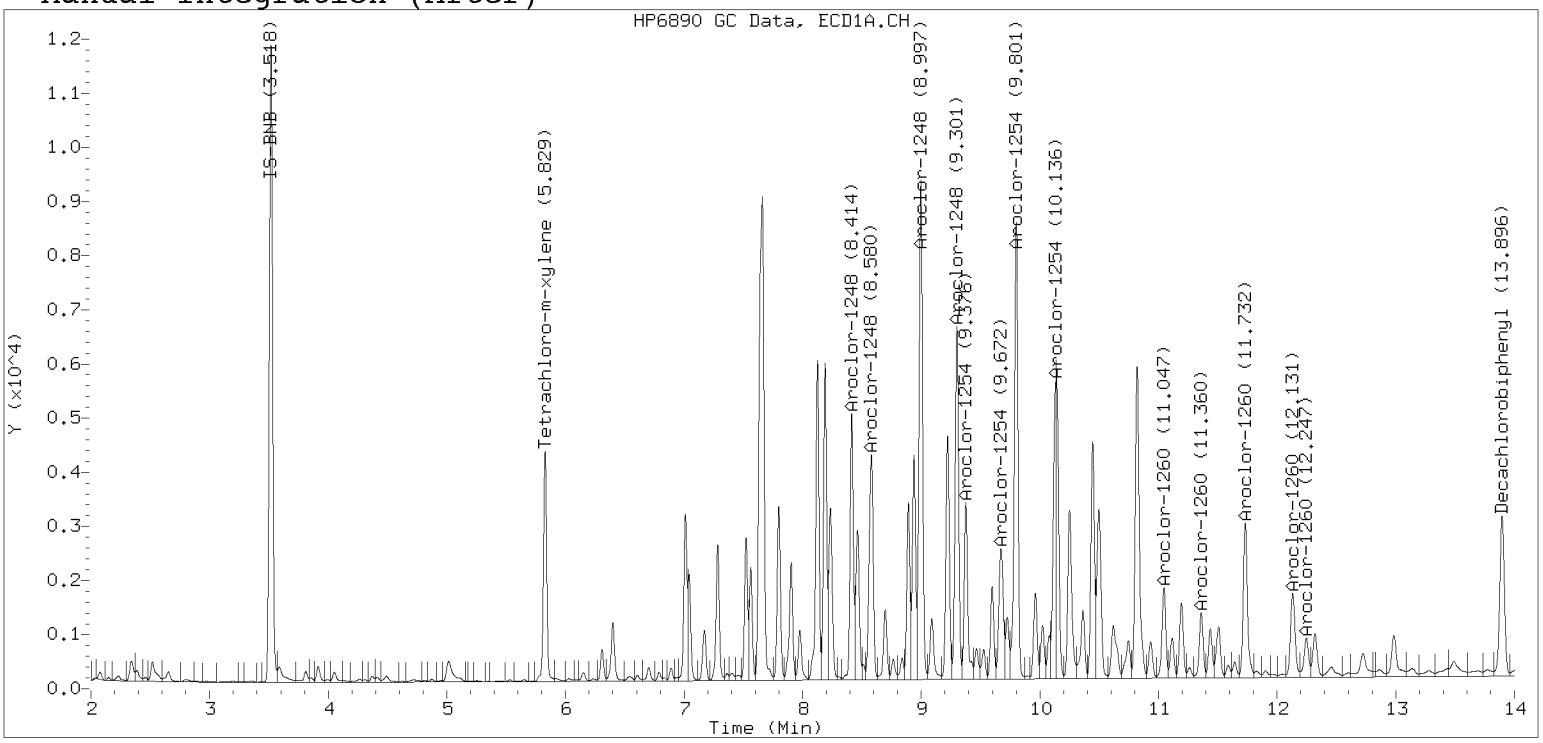


ZB-35 Manual Integration: NO

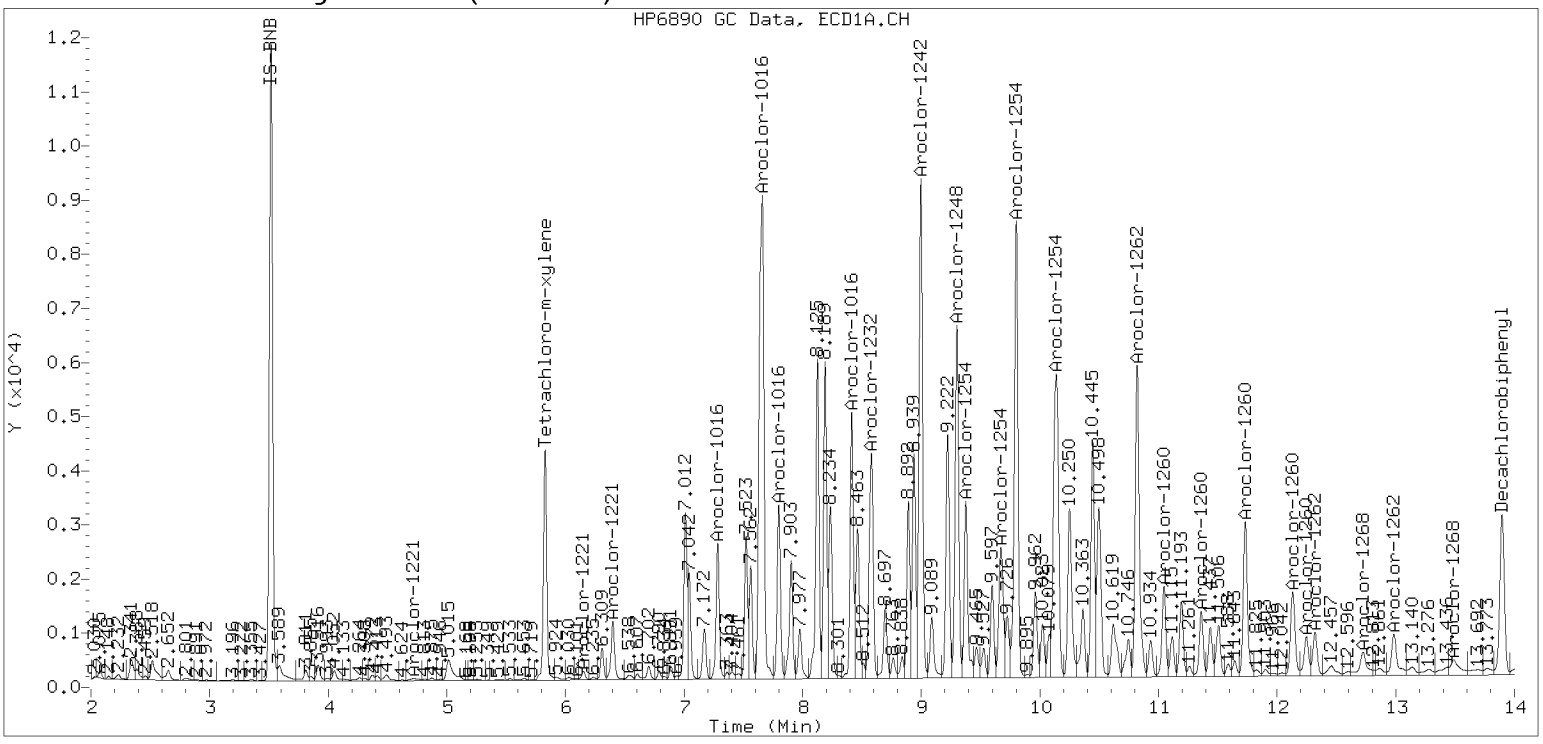
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212213ECD7.D Injection Date: 21-DEC-2022 20:01

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-56RE1 B	File ID:	12222225ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/23/22 00:20
% Solids:	64.47	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.44 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	212	7.8	19.9	D
11097-69-1	Aroclor 1254	1	5	178	7.8	19.9	D
11096-82-5	Aroclor 1260	1	5	63.0	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9790*	*8.18*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9790*	*5.54*	*69.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222225ECD7.D
Data file 2: /221222.b/221222.b/12222225ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-56RE1
Client ID:
Injection Date: 23-DEC-2022 00:20
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	40640	5.706	-0.008	23967	5.6	5.9	6.6	Tetrachloro-m-xylene
13.897	-0.007	57022	14.126	-0.011	37779	8.2	6.1	28.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	516494	15.4
Hexabromobiphenyl	798898	758897	-5.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	294742	18.3
Hexabromobiphenyl	362541	433056	19.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.013	52078	234.5	1	8.317	-0.009	37778	313.7
Aroclor-1248	2	8.582	-0.022	56770	200.2	2	8.722	-0.011	32727	258.4
Aroclor-1248	3	8.999	-0.023	105485	206.8	3	9.155	-0.022	32713	212.4
Aroclor-1248	4	9.302	-0.009	78847	315.5	4	9.632	0.030	4980	27.5
	Total Col1Ave (4 peaks):				239.3	Total Col2Ave (4 peaks):				203.0 RPD = 16
	Corrected Ave (3 peaks):				213.8	Corrected Ave (3 peaks):				166.1 RPD = 25
Aroclor-1254	1	9.302	-0.019	78847	173.4	1	9.454	-0.013	36152	190.2
Aroclor-1254	2	9.378	-0.024	41022	232.0	2	9.971	-0.015	11868	77.7
Aroclor-1254	3	9.674	-0.020	34372	119.7	3	10.120	-0.019	64400	196.1
Aroclor-1254	4	9.804	-0.027	105238	188.0	4	10.367	-0.022	66939	196.8
Aroclor-1254	5	10.144	-0.045	107930	281.2	5	10.569	-0.017	38773	236.4
	Total Col1Ave (5 peaks):				198.8	Total Col2Ave (5 peaks):				179.4 RPD = 10
	Corrected Ave (4 peaks):				178.2	Corrected Ave (4 peaks):				165.2 RPD = 8
Aroclor-1260	1	11.047	-0.009	21772	78.8	1	11.659	-0.010	17439	76.3
Aroclor-1260	2	11.361	-0.013	14723	51.5	2	11.918	-0.015	30175	52.6
Aroclor-1260	3	11.733	-0.014	39238	52.3	3	12.412	-0.039	28467	186.4
Aroclor-1260	4	12.133	-0.015	23891	62.5	4	12.502	-0.015	21953	57.4
Aroclor-1260	5	12.248	-0.011	11049	70.6	NS	---			----
	Total Col1Ave (5 peaks):				63.1	Total Col2Ave (4 peaks):				93.2 RPD = 38
	Corrected Ave (4 peaks):				59.2	Corrected Ave (3 peaks):				62.1 RPD = 5
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 2016875 Col1 Total PCB = 0.4 ppm*

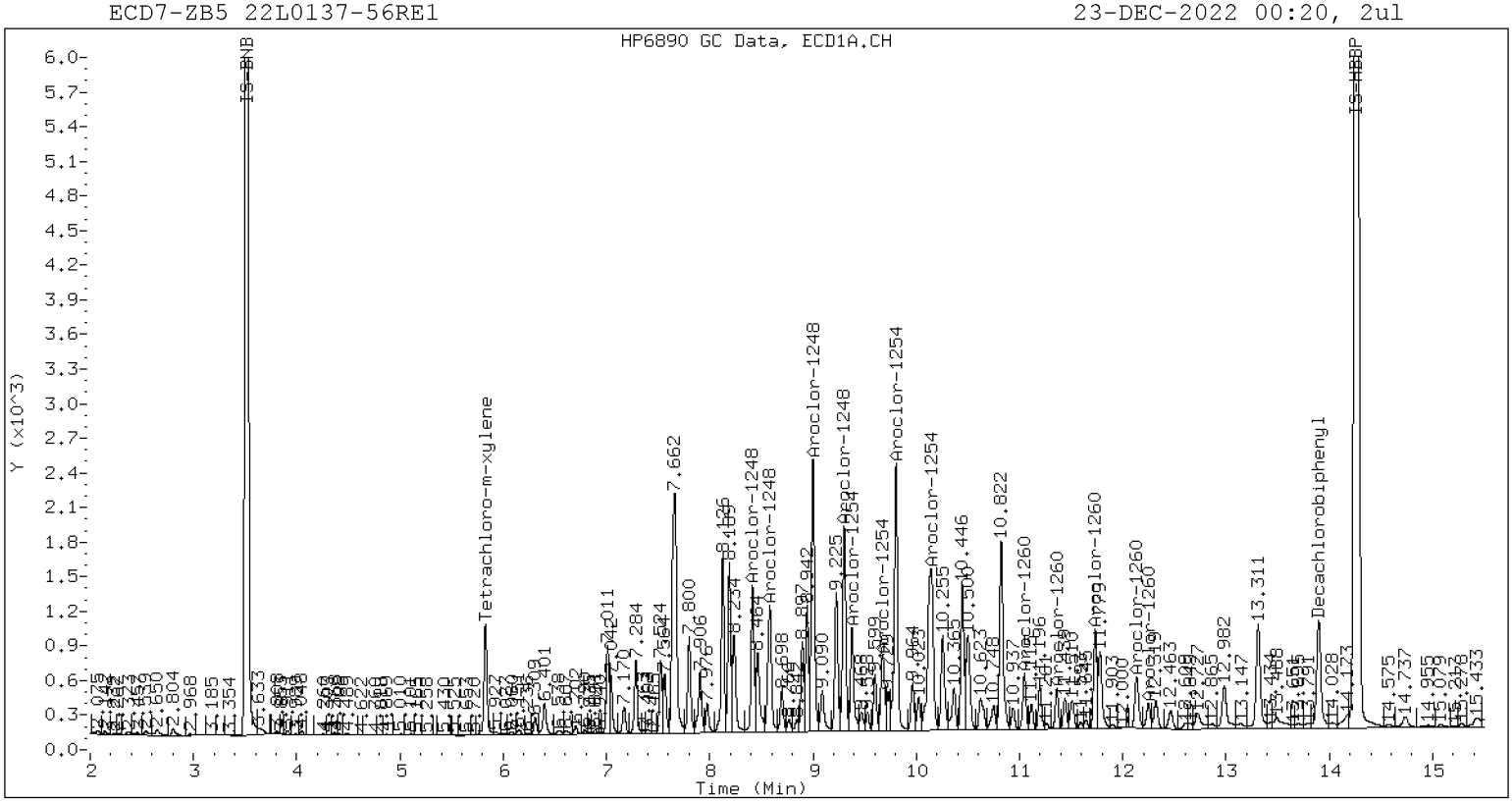
Total PCB Area Col2 (5.813 - 14.037) = 1203785 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

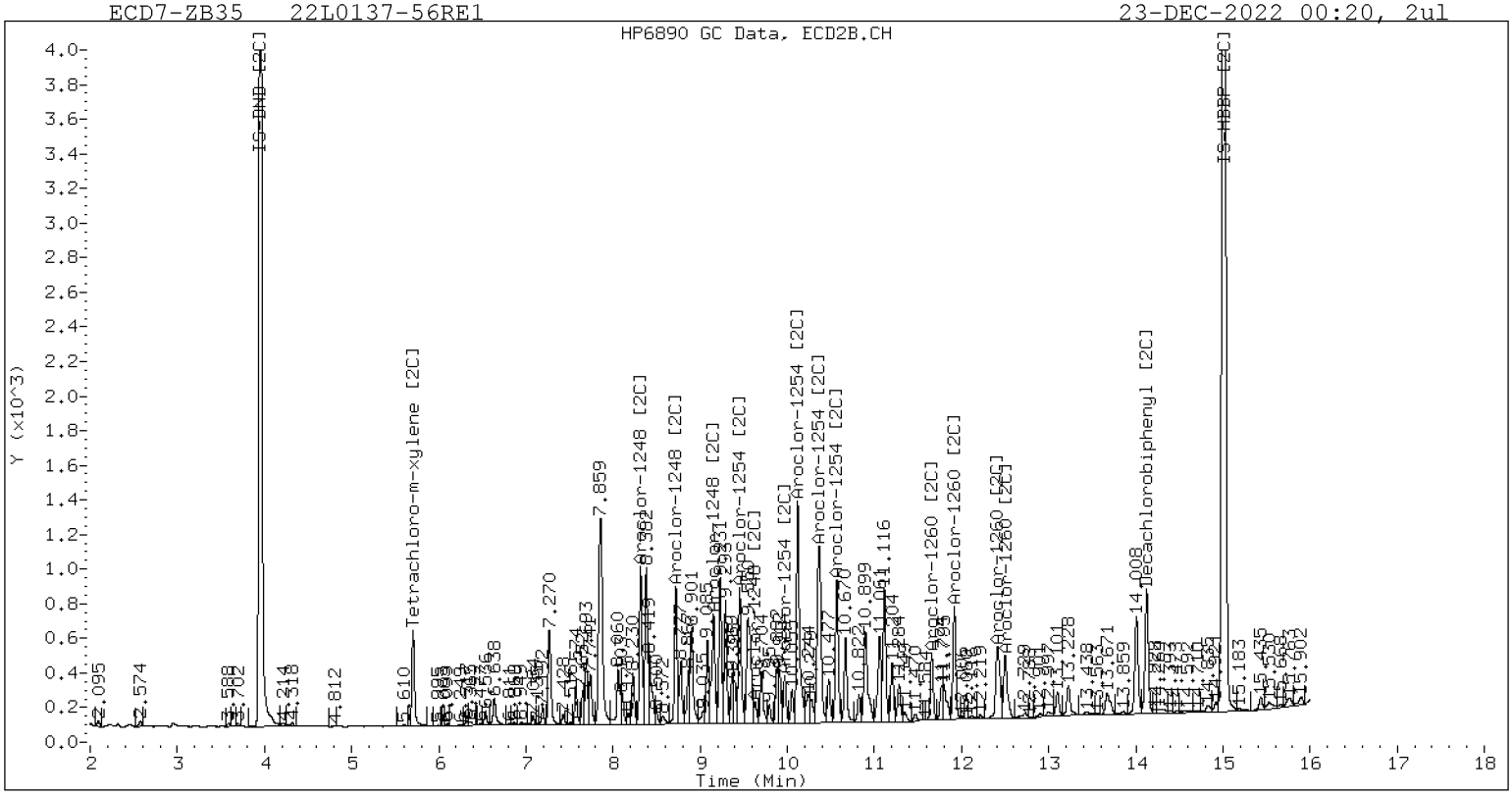
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-56RE1 23-DEC-2022 00:20, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-56RE1 23-DEC-2022 00:20, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-57 B	File ID:	12212214ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:22
% Solids:	65.36	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.17 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	145	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	122	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	79.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9812*	*8.16*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9812*	*5.63*	*70.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9812*	*7.39*	*92.6*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9812*	*6.12*	*76.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212214ECD7.D
Data file 2: /221221.b/221221.b/12212214ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-57
Client ID:
Injection Date: 21-DEC-2022 20:22
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	176656	5.707	-0.003	107615	28.2	30.7	8.4	Tetrachloro-m-xylene
13.898	-0.006	169537	14.129	-0.003	161786	40.9	37.1	9.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	441871	-1.3
Hexabromobiphenyl	798898	452309	-43.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	255838	2.7
Hexabromobiphenyl	362541	307527	-15.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	152992	805.3	1	8.317	-0.007	122135	1168.6
Aroclor-1248	2	8.580	-0.024	163685	674.8	2	8.722	-0.005	105134	956.4
Aroclor-1248	3	8.997	-0.025	305963	701.1	3	9.153	-0.018	97874	732.0
Aroclor-1248	4	9.301	-0.010	229326	1072.7	4	9.633	0.041	12226	77.9
		Total Col1Ave (4 peaks):			813.5		Total Col2Ave (4 peaks):			733.7 RPD = 10
		Corrected Ave (3 peaks):			727.1		Corrected Ave (3 peaks):			588.8 RPD = 21
Aroclor-1254	1	9.301	-0.014	229326	589.4	1	9.454	-0.009	113509	688.1
Aroclor-1254	2	9.421	0.027	11007	72.7	2	9.972	-0.009	38384	289.4
Aroclor-1254	3	9.673	-0.014	112030	455.9	3	10.120	-0.012	207228	727.0
Aroclor-1254	4	9.801	-0.020	299481	625.2	4	10.369	-0.011	218400	739.8
Aroclor-1254	5	10.135	-0.041	326465	994.3	5	10.570	-0.009	143900	1010.6
		Total Col1Ave (5 peaks):			547.5		Total Col2Ave (5 peaks):			691.0 RPD = 23
		Corrected Ave (4 peaks):			435.8		Corrected Ave (4 peaks):			611.1 RPD = 33
Aroclor-1260	1	11.047	-0.009	86589	525.9	1	11.659	-0.007	70782	436.0
Aroclor-1260	2	11.361	-0.014	66887	392.8	2	11.919	-0.008	148296	364.1
Aroclor-1260	3	11.731	-0.017	181529	405.7	3	12.439	-0.008	44912	414.1
Aroclor-1260	4	12.131	-0.018	98554	432.5	4	12.503	-0.008	100423	369.8
Aroclor-1260	5	12.246	-0.009	43703	468.5	NS	---			----
		Total Col1Ave (5 peaks):			445.1		Total Col2Ave (4 peaks):			396.0 RPD = 12
		Corrected Ave (4 peaks):			424.9		Corrected Ave (3 peaks):			382.6 RPD = 10
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 6101636 Col1 Total PCB = 1.4 ppm*

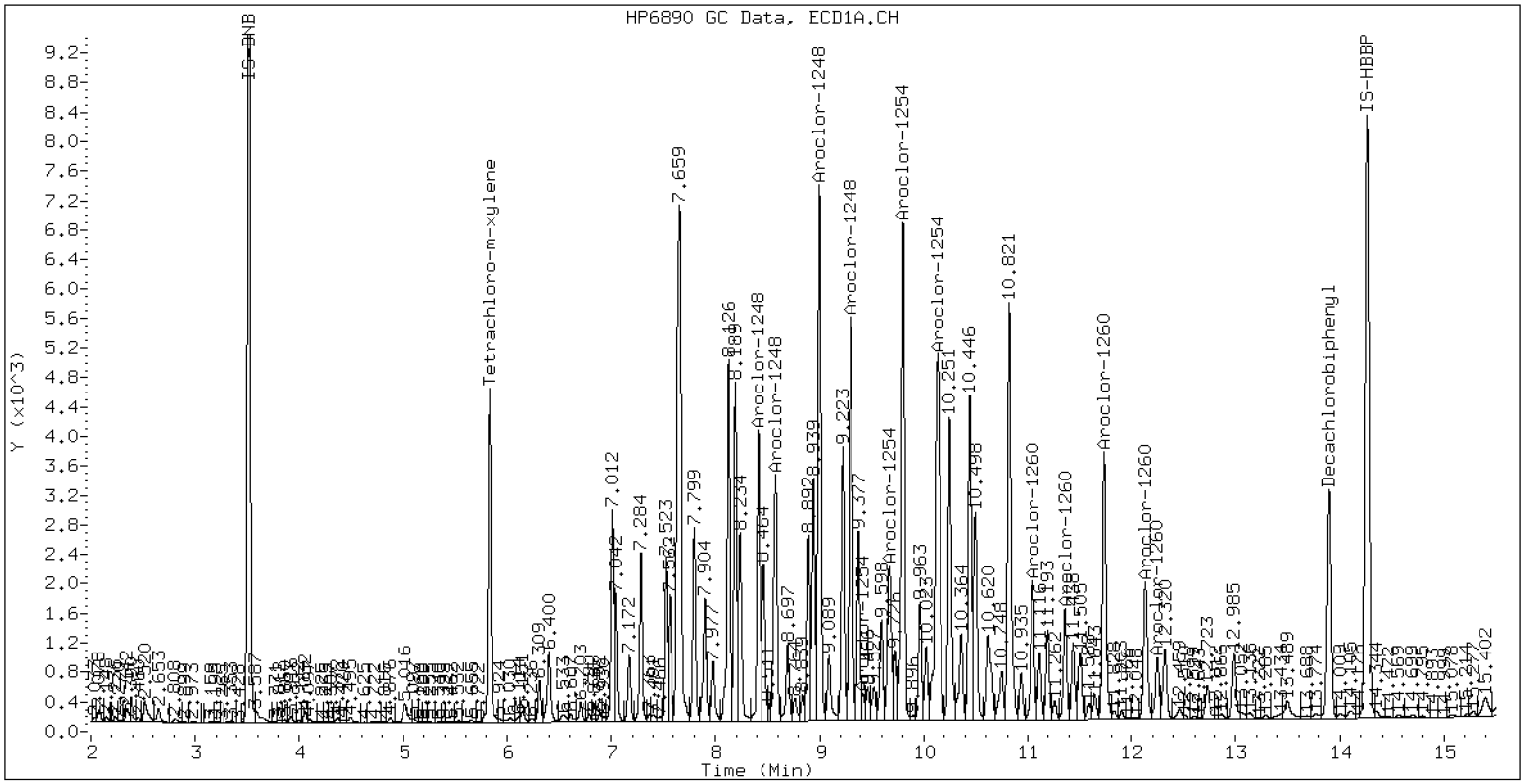
Total PCB Area Col2 (5.810 - 14.032) = 3976787 Col2 Total PCB = 1.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

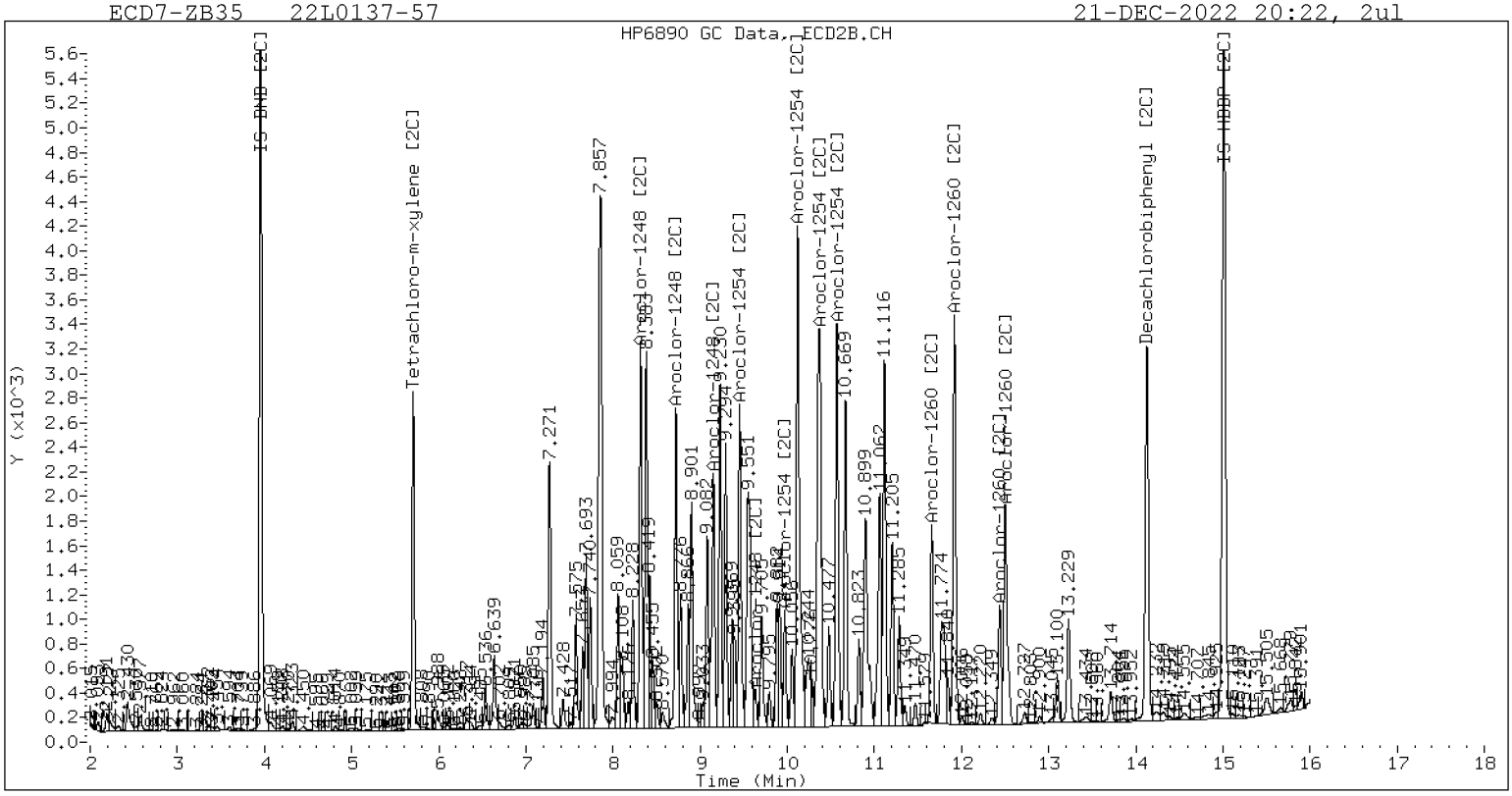
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-57 21-DEC-2022 20:22, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-57 21-DEC-2022 20:22, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-57RE1 B	File ID:	12222228ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/23/22 01:23
% Solids:	65.36	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.17 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	186	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	159	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	82.5	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9812*	*8.15*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9812*	*6.20*	*77.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222228ECD7.D
Data file 2: /221222.b/221222.b/12222228ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-57RE1
Client ID:
Injection Date: 23-DEC-2022 01:23
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.005	44710	5.705	-0.008	26736	6.2	6.8	9.7	Tetrachloro-m-xylene
13.898	-0.006	56470	14.127	-0.010	39749	8.2	6.5	22.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	507752	13.4
Hexabromobiphenyl	798898	753811	-5.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	284799	14.3
Hexabromobiphenyl	362541	429849	18.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.013	45075	206.5	1	8.316	-0.010	33174	285.1
Aroclor-1248	2	8.582	-0.022	49241	176.7	2	8.722	-0.011	27469	224.5
Aroclor-1248	3	9.000	-0.022	88554	176.6	3	9.155	-0.022	27479	184.6
Aroclor-1248	4	9.303	-0.008	69367	282.4	4	9.633	0.031	4144	23.7
	Total Col1Ave (4 peaks):				210.5	Total Col2Ave (4 peaks):				179.5 RPD = 16
	Corrected Ave (3 peaks):				186.6	Corrected Ave (3 peaks):				144.3 RPD = 26
Aroclor-1254	1	9.303	-0.018	69367	155.2	1	9.454	-0.013	32179	175.2
Aroclor-1254	2	9.378	-0.024	35184	202.4	2	9.971	-0.015	11012	74.6
Aroclor-1254	3	9.674	-0.020	31775	112.5	3	10.121	-0.019	56349	177.6
Aroclor-1254	4	9.804	-0.027	91478	166.2	4	10.369	-0.020	60768	184.9
Aroclor-1254	5	10.130	-0.059	99457	263.6	5	10.569	-0.017	39944	252.0
	Total Col1Ave (5 peaks):				180.0	Total Col2Ave (5 peaks):				172.9 RPD = 4
	Corrected Ave (4 peaks):				159.1	Corrected Ave (4 peaks):				153.1 RPD = 4
Aroclor-1260	1	11.048	-0.008	26707	97.3	1	11.659	-0.010	18986	83.7
Aroclor-1260	2	11.361	-0.013	19620	69.1	2	11.919	-0.014	38894	68.3
Aroclor-1260	3	11.733	-0.013	57996	77.8	3	12.438	-0.013	13351	88.1
Aroclor-1260	4	12.134	-0.015	30301	79.8	4	12.502	-0.014	26626	70.2
Aroclor-1260	5	12.248	-0.011	13936	89.7	NS	---			----
	Total Col1Ave (5 peaks):				82.7	Total Col2Ave (4 peaks):				77.5 RPD = 6
	Corrected Ave (4 peaks):				79.1	Corrected Ave (3 peaks):				74.0 RPD = 7
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1816133 Col1 Total PCB = 0.4 ppm*

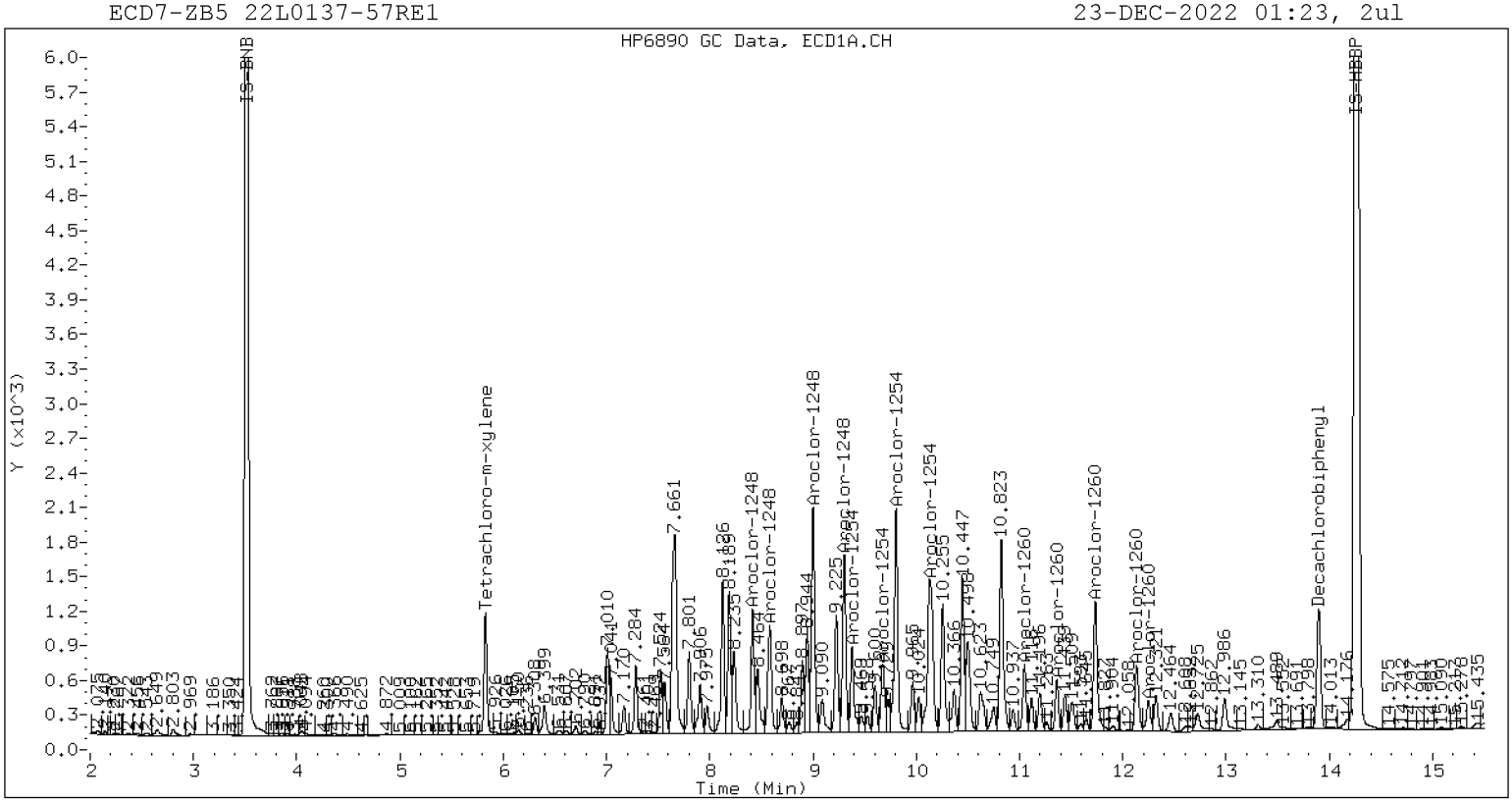
Total PCB Area Col2 (5.813 - 14.037) = 1111972 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

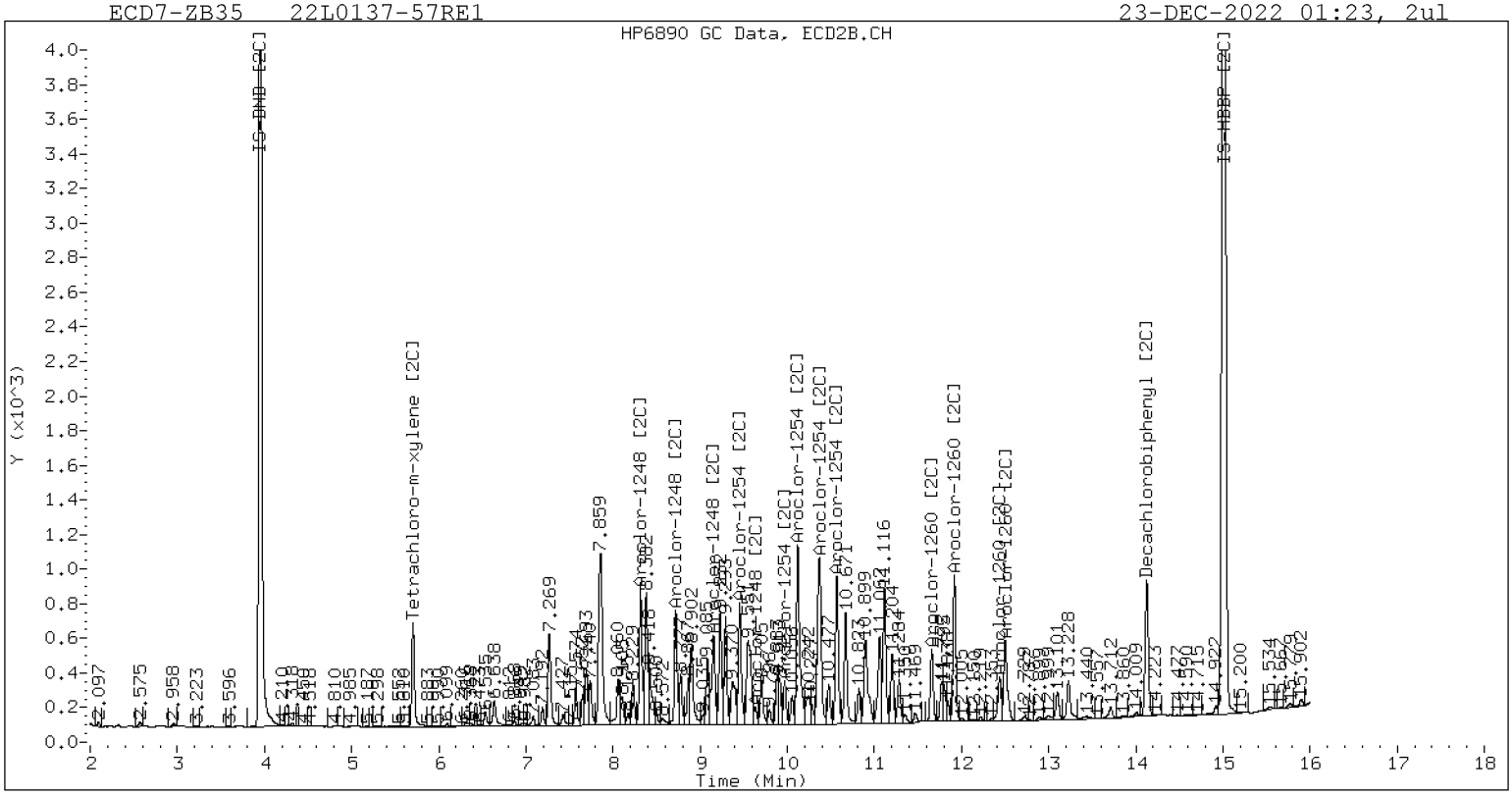
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-57RE1 23-DEC-2022 01:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-57RE1 23-DEC-2022 01:23, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC770L

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-58 B	File ID:	12212215ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:43
% Solids:	63.81	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.6 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	77.8	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	84.3	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	64.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9957*	*8.14*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9957*	*5.36*	*67.1*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9957*	*7.47*	*93.4*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9957*	*6.07*	*75.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212215ECD7.D
Data file 2: /221221.b/221221.b/12212215ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-58
Client ID:
Injection Date: 21-DEC-2022 20:43
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.004	172672	5.707	-0.003	107279	26.8	30.4	12.4	Tetrachloro-m-xylene
13.898	-0.006	166128	14.128	-0.004	160730	40.7	37.4	8.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	454143	1.5
Hexabromobiphenyl	798898	445195	-44.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257676	3.4
Hexabromobiphenyl	362541	303095	-16.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.014	83619	428.2	1	8.317	-0.007	54837	520.9
Aroclor-1248	2	8.581	-0.023	81946	328.7	2	8.723	-0.005	58081	524.6
Aroclor-1248	3	8.997	-0.025	184917	412.3	3	9.153	-0.018	60987	452.8
Aroclor-1248	4	9.301	-0.010	150906	686.8	4	9.632	0.040	7291	46.1
		Total Col1Ave (4 peaks):			464.0		Total Col2Ave (4 peaks):			386.1 RPD = 18
		Corrected Ave (3 peaks):			389.7		Corrected Ave (3 peaks):			340.0 RPD = 14
Aroclor-1254	1	9.301	-0.014	150906	377.4	1	9.454	-0.009	78158	470.4
Aroclor-1254	2	9.421	0.027	11235	72.2	2	9.971	-0.010	28843	215.9
Aroclor-1254	3	9.674	-0.012	89364	353.8	3	10.119	-0.013	137230	478.0
Aroclor-1254	4	9.801	-0.020	194841	395.8	4	10.369	-0.011	155255	522.1
Aroclor-1254	5	10.133	-0.043	231209	685.2	5	10.569	-0.010	108439	756.2
		Total Col1Ave (5 peaks):			376.9		Total Col2Ave (5 peaks):			488.5 RPD = 26
		Corrected Ave (4 peaks):			299.8		Corrected Ave (4 peaks):			421.6 RPD = 34
Aroclor-1260	1	11.047	-0.009	69707	430.2	1	11.659	-0.007	56622	353.9
Aroclor-1260	2	11.360	-0.015	51668	308.3	2	11.919	-0.008	117921	293.7
Aroclor-1260	3	11.732	-0.016	146979	333.8	3	12.438	-0.009	36598	342.3
Aroclor-1260	4	12.131	-0.017	80978	361.1	4	12.502	-0.009	80319	300.1
Aroclor-1260	5	12.246	-0.009	37590	409.4	NS	---			----
		Total Col1Ave (5 peaks):			368.5		Total Col2Ave (4 peaks):			322.5 RPD = 13
		Corrected Ave (4 peaks):			353.1		Corrected Ave (3 peaks):			312.1 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 4047202 Col1 Total PCB = 0.9 ppm*

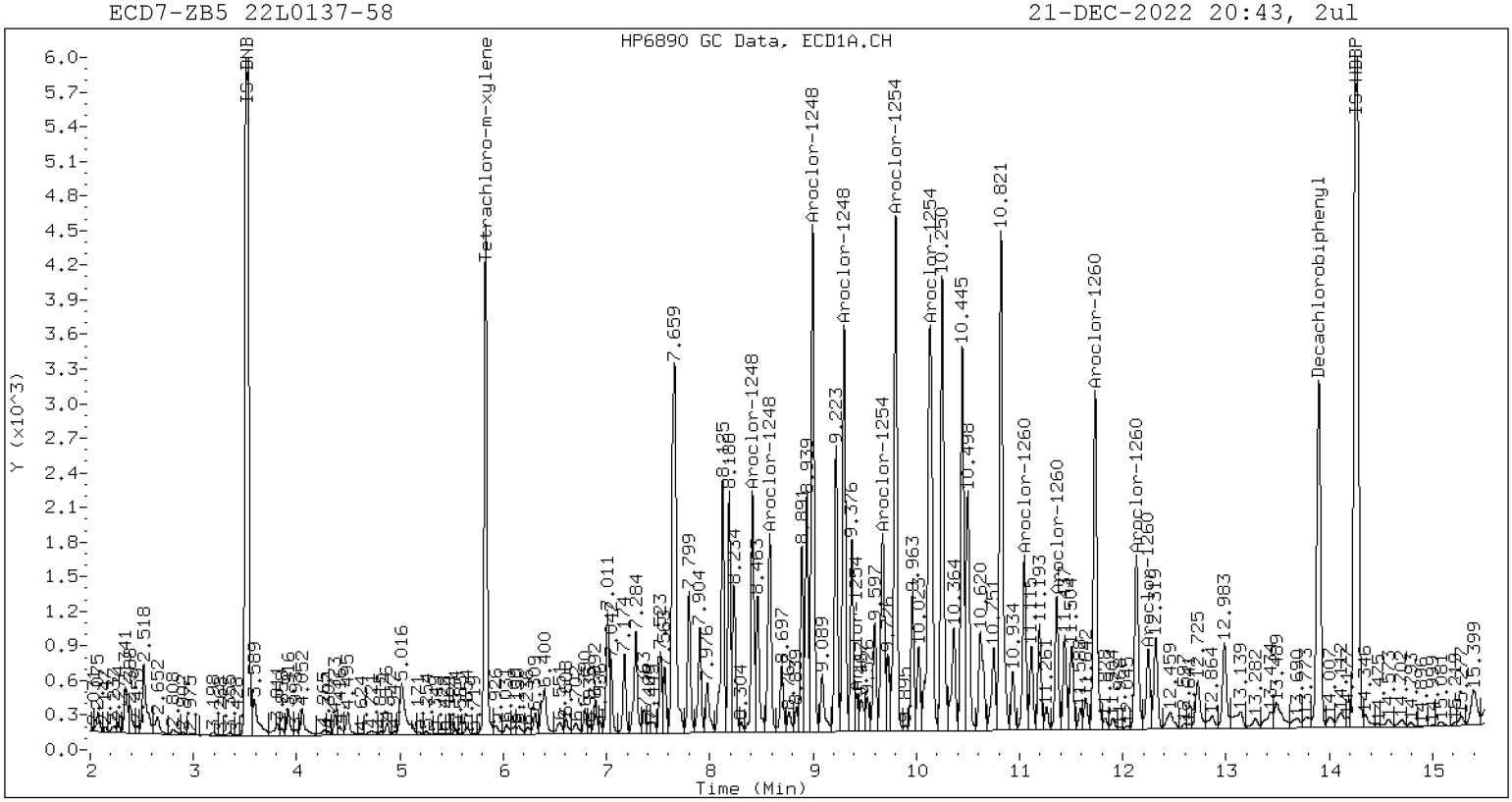
Total PCB Area Col2 (5.810 - 14.032) = 2659830 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

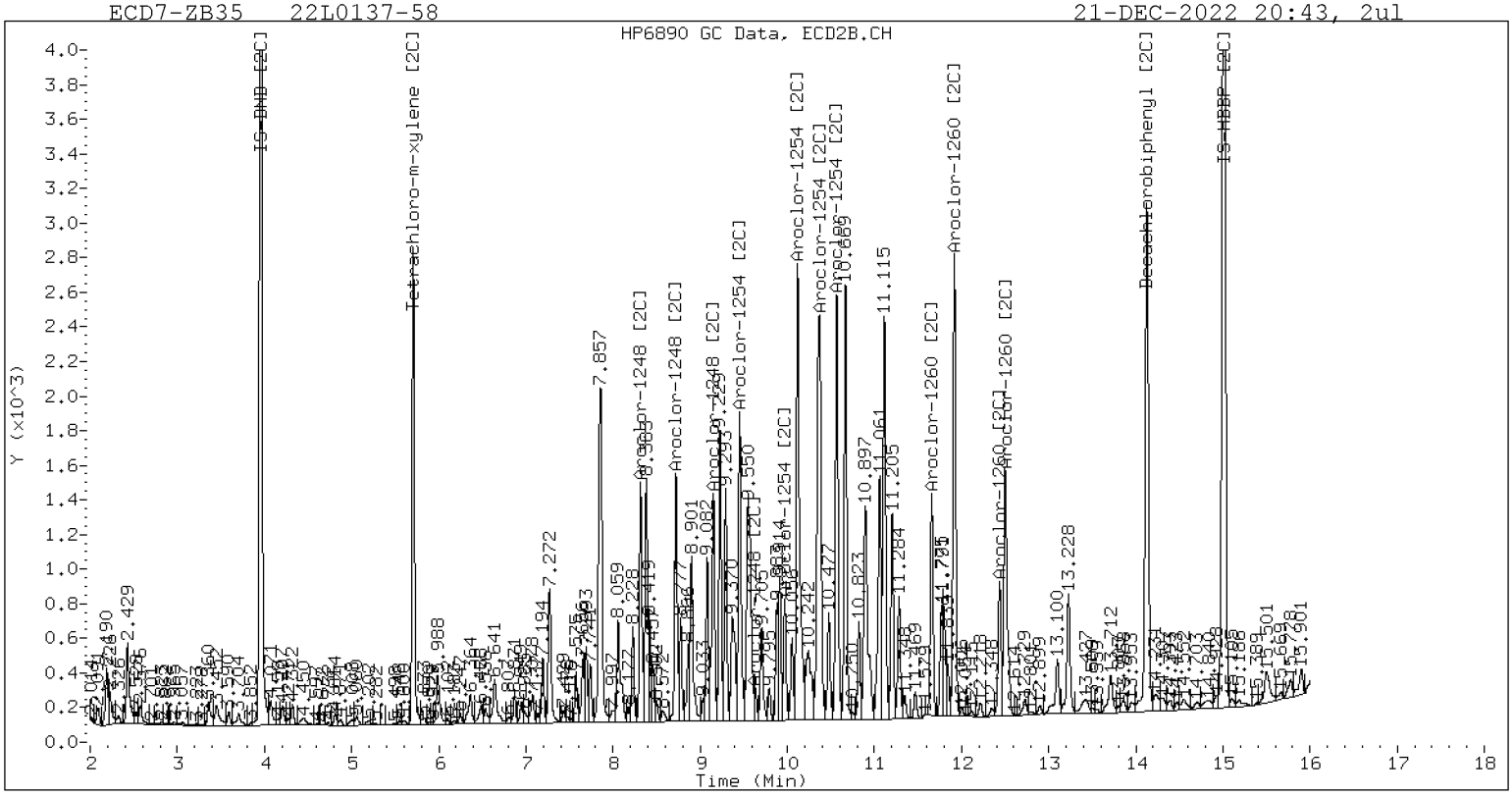
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-58 21-DEC-2022 20:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-58 21-DEC-2022 20:43, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769A

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-59 B	File ID:	12212218ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 21:46
% Solids:	56.54	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.13 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	15.2	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	21.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	24.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9921*	*7.86*	*98.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9921*	*5.88*	*73.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9921*	*7.02*	*87.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9921*	*6.43*	*80.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212218ECD7.D
Data file 2: /221221.b/221221.b/12212218ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-59
Client ID:
Injection Date: 21-DEC-2022 21:46
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.004	205334	5.707	-0.004	123739	29.5	32.2	8.9	Tetrachloro-m-xylene
13.898	-0.006	190208	14.128	-0.004	170070	39.3	35.2	11.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	491956	9.9
Hexabromobiphenyl	798898	527528	-34.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	280384	12.6
Hexabromobiphenyl	362541	340778	-6.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.413	-0.014	12813	60.6	1	8.317	-0.007	10798	94.3
Aroclor-1248	2	8.581	-0.024	10096	37.4	2	8.723	-0.004	7870	65.3
Aroclor-1248	3	9.001	-0.022	30397	62.6	3	9.155	-0.016	9996	68.2
Aroclor-1248	4	9.302	-0.010	33509	140.8	4	9.549	-0.043	18569	107.9
		Total Col1Ave (4 peaks):			75.3	Total Col2Ave (4 peaks):				83.9 RPD = 11
		Corrected Ave (3 peaks):			53.5	Corrected Ave (3 peaks):				75.9 RPD = 35
Aroclor-1254	1	9.302	-0.014	33509	77.4	1	9.454	-0.009	20397	112.8
Aroclor-1254	2	9.422	0.028	2745	16.3	2	9.973	-0.008	9195	63.3
Aroclor-1254	3	9.677	-0.009	28887	105.6	3	10.120	-0.012	34330	109.9
Aroclor-1254	4	9.802	-0.019	50885	95.4	4	10.371	-0.009	44108	136.3
Aroclor-1254	5	10.128	-0.048	62732	171.6	5	10.569	-0.009	36406	233.3
		Total Col1Ave (5 peaks):			93.3	Total Col2Ave (5 peaks):				131.1 RPD = 34
		Corrected Ave (4 peaks):			73.7	Corrected Ave (4 peaks):				105.6 RPD = 36
Aroclor-1260	1	11.047	-0.009	26065	135.7	1	11.659	-0.006	19131	106.4
Aroclor-1260	2	11.362	-0.012	19680	99.1	2	11.919	-0.008	44191	97.9
Aroclor-1260	3	11.733	-0.015	63754	122.2	3	12.438	-0.009	18259	151.9
Aroclor-1260	4	12.132	-0.016	30589	115.1	4	12.503	-0.009	31829	105.8
Aroclor-1260	5	12.247	-0.009	13962	128.3	NS	---			----
		Total Col1Ave (5 peaks):			120.1	Total Col2Ave (4 peaks):				115.5 RPD = 4
		Corrected Ave (4 peaks):			116.2	Corrected Ave (3 peaks):				103.3 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.933 - 13.804) = 1042254 Col1 Total PCB = 0.2 ppm*

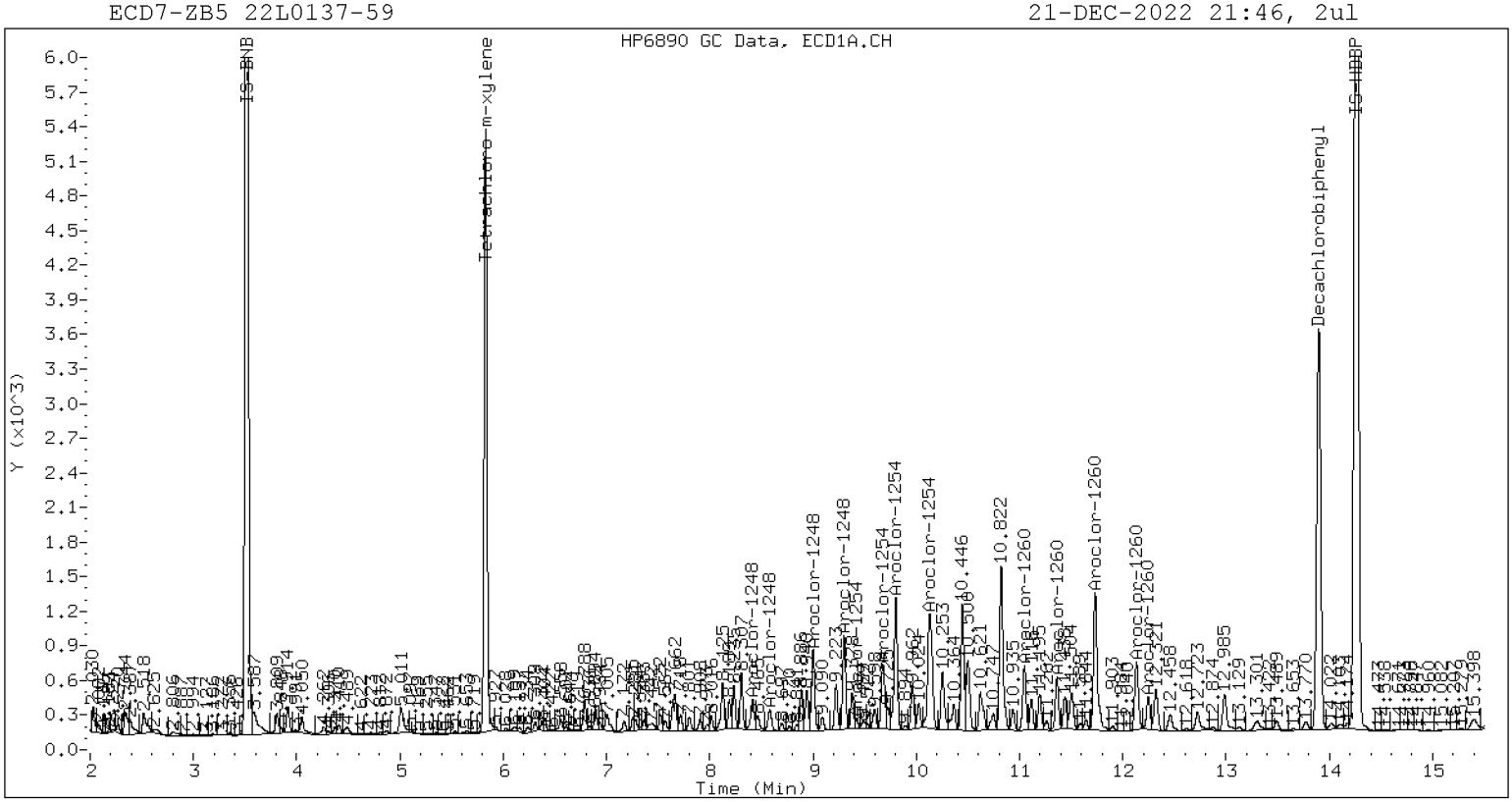
Total PCB Area Col2 (5.810 - 14.032) = 737508 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

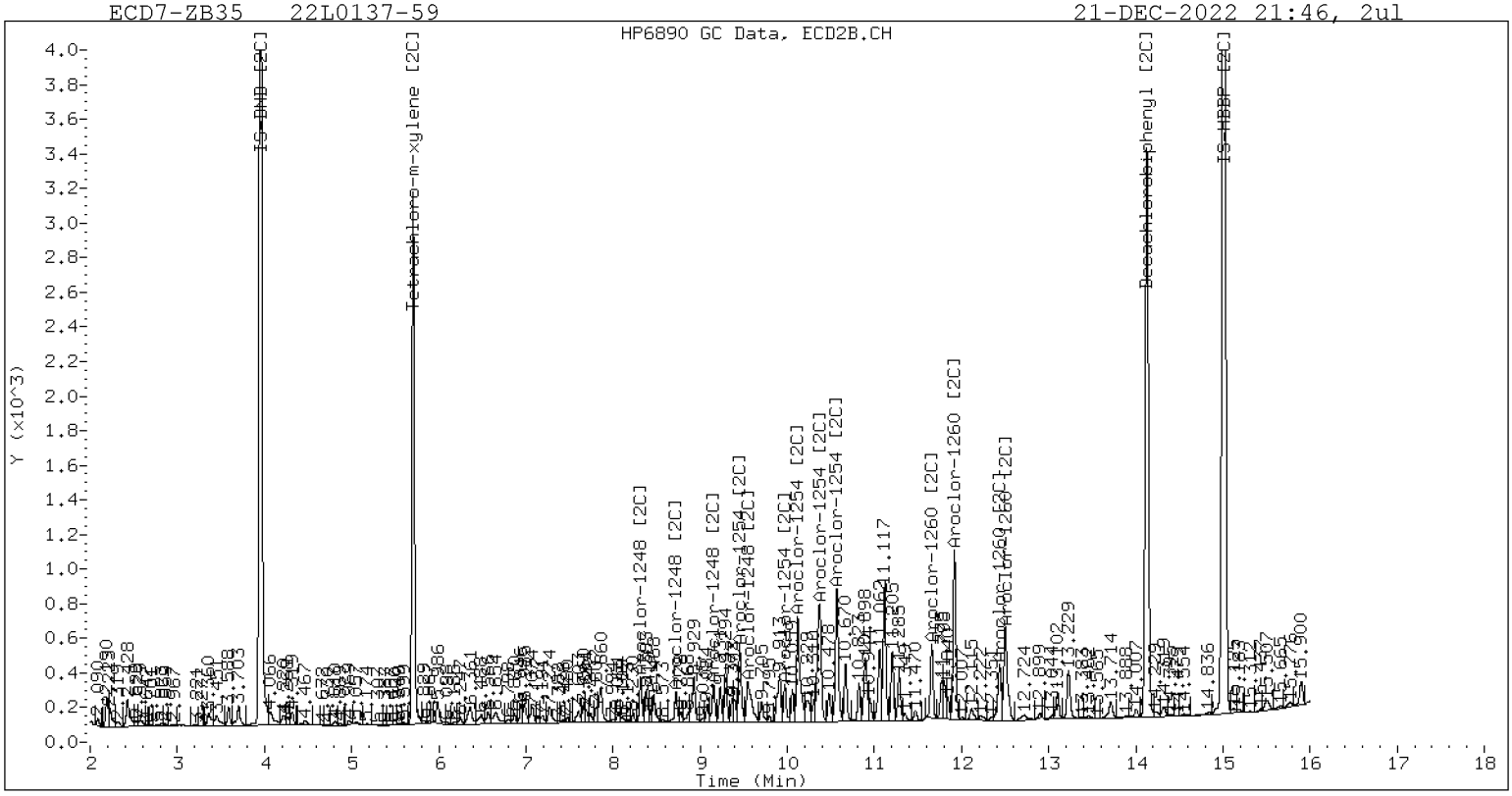
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-59 21-DEC-2022 21:46, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0137-59 21-DEC-2022 21:46, 2ul

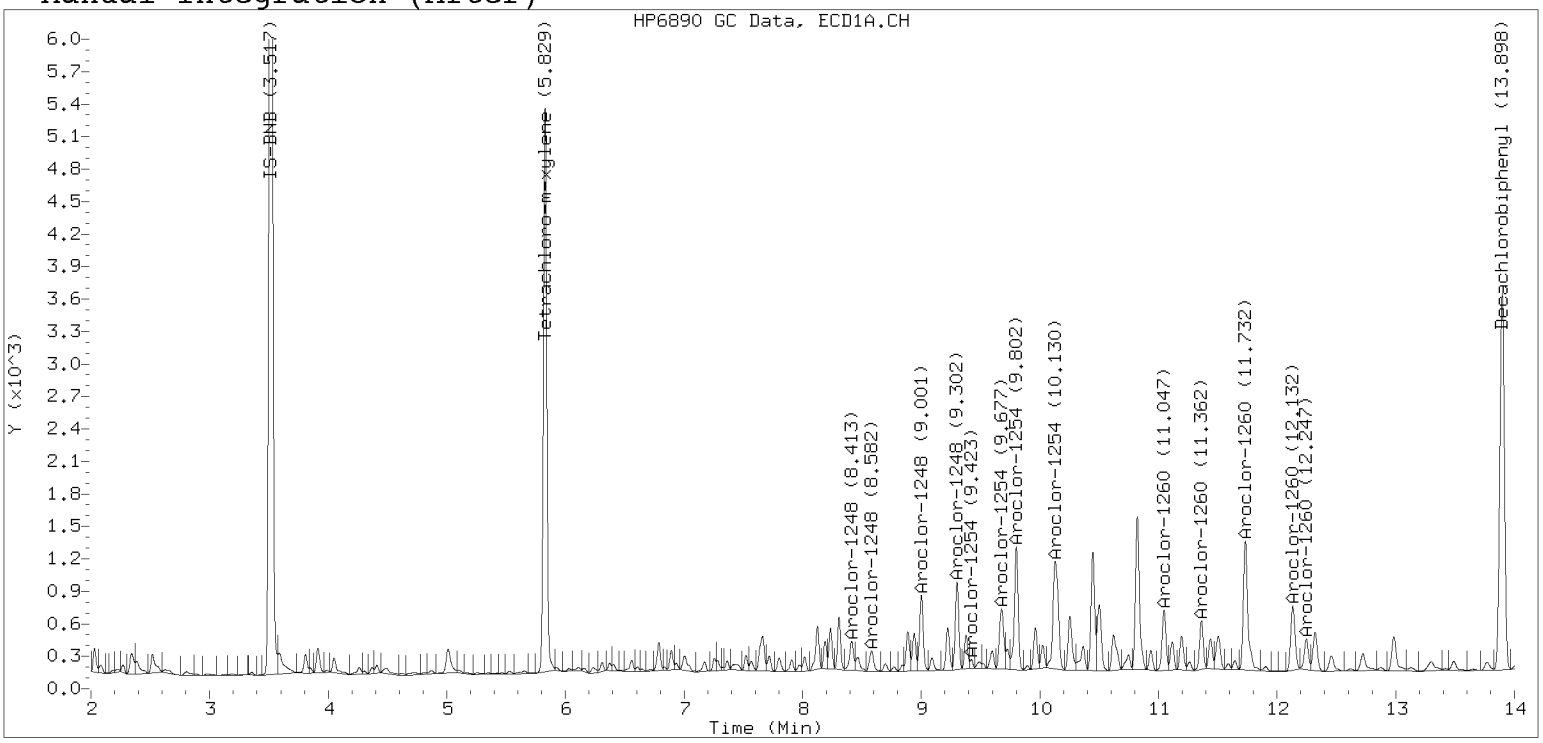


ZB-35 Manual Integration: NO

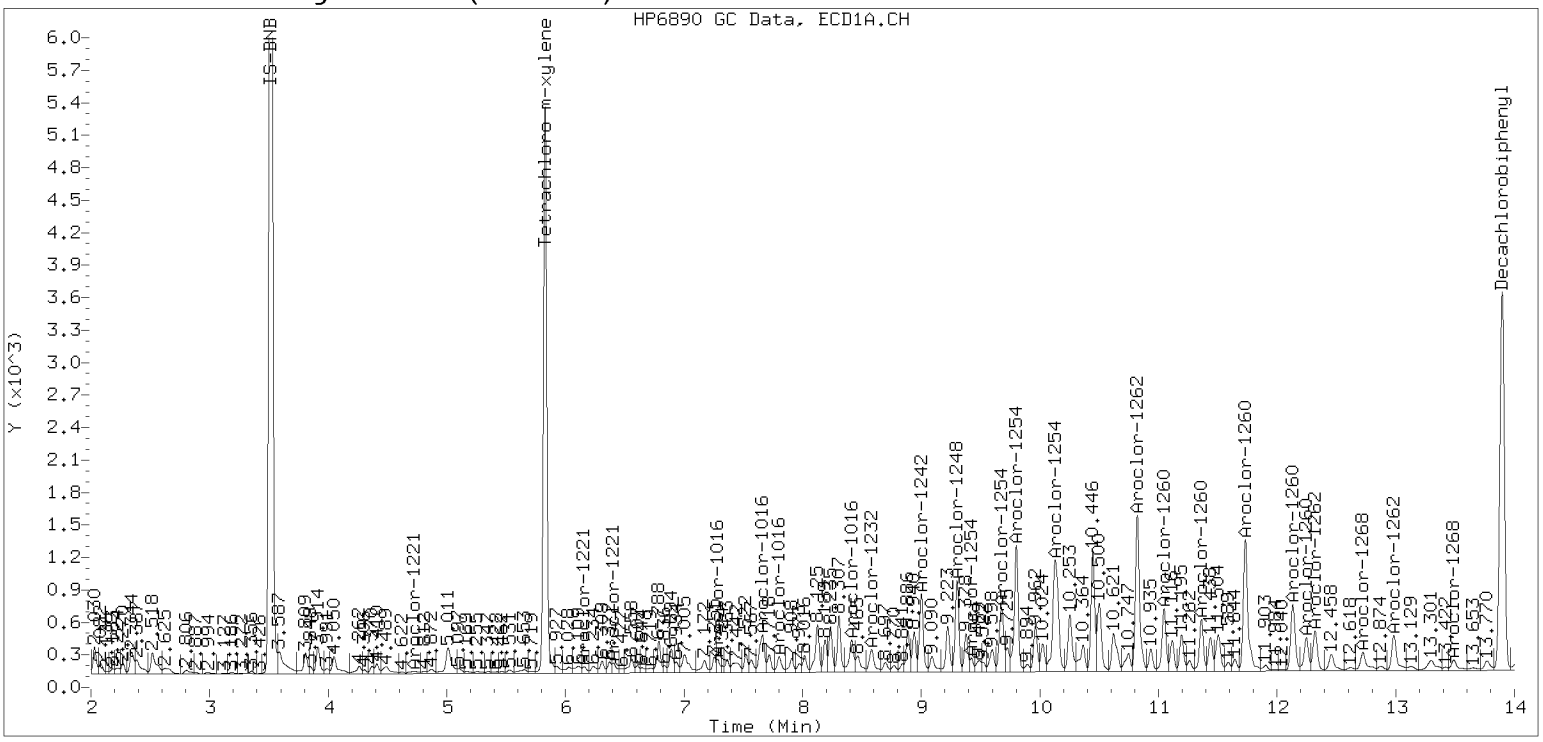
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212218ECD7.D Injection Date: 21-DEC-2022 21:46

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769B

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-60 B	File ID:	12212219ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 22:08
% Solids:	55.46	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.54 g Wet / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	29.9	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	37.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	33.1	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9996*	*7.48*	*93.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9996*	*5.32*	*66.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9996*	*6.76*	*84.6*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9996*	*5.88*	*73.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212219ECD7.D
Data file 2: /221221.b/221221.b/12212219ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-60
Client ID:
Injection Date: 21-DEC-2022 22:08
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.003	192843	5.708	-0.003	114873	26.6	29.4	10.1	Tetrachloro-m-xylene
13.897	-0.007	169247	14.128	-0.004	156715	37.4	33.8	10.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	511547	14.3
Hexabromobiphenyl	798898	493502	-38.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	284840	14.4
Hexabromobiphenyl	362541	326343	-10.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.015	26040	118.4	1	8.317	-0.006	17397	149.5
Aroclor-1248	2	8.581	-0.023	21290	75.8	2	8.723	-0.005	16313	133.3
Aroclor-1248	3	8.999	-0.023	55079	109.0	3	9.154	-0.017	19570	131.5
Aroclor-1248	4	9.301	-0.011	52944	213.9	4	9.549	-0.043	32259	184.6
		Total Col1Ave (4 peaks):			129.3		Total Col2Ave (4 peaks):			149.7 RPD = 15
		Corrected Ave (3 peaks):			101.1		Corrected Ave (3 peaks):			138.1 RPD = 31
Aroclor-1254	1	9.301	-0.015	52944	117.5	1	9.454	-0.009	31022	168.9
Aroclor-1254	2	9.421	0.027	5205	29.7	2	9.972	-0.009	15526	105.2
Aroclor-1254	3	9.673	-0.013	42583	149.7	3	10.120	-0.012	53531	168.7
Aroclor-1254	4	9.801	-0.019	76154	137.3	4	10.369	-0.011	62117	189.0
Aroclor-1254	5	10.133	-0.043	94528	248.7	5	10.569	-0.010	46964	296.3
		Total Col1Ave (5 peaks):			136.6		Total Col2Ave (5 peaks):			185.6 RPD = 30
		Corrected Ave (4 peaks):			108.6		Corrected Ave (4 peaks):			157.9 RPD = 37
Aroclor-1260	1	11.047	-0.010	32202	179.3	1	11.658	-0.007	26561	154.2
Aroclor-1260	2	11.362	-0.013	27678	149.0	2	11.918	-0.009	54772	126.7
Aroclor-1260	3	11.732	-0.016	77546	158.9	3	12.438	-0.008	21302	185.1
Aroclor-1260	4	12.132	-0.017	40709	163.8	4	12.502	-0.009	39983	138.8
Aroclor-1260	5	12.247	-0.008	17864	175.5	NS	---			----
		Total Col1Ave (5 peaks):			165.3		Total Col2Ave (4 peaks):			151.2 RPD = 9
		Corrected Ave (4 peaks):			161.8		Corrected Ave (3 peaks):			139.9 RPD = 15
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2340990 Col1 Total PCB = 0.5 ppm*

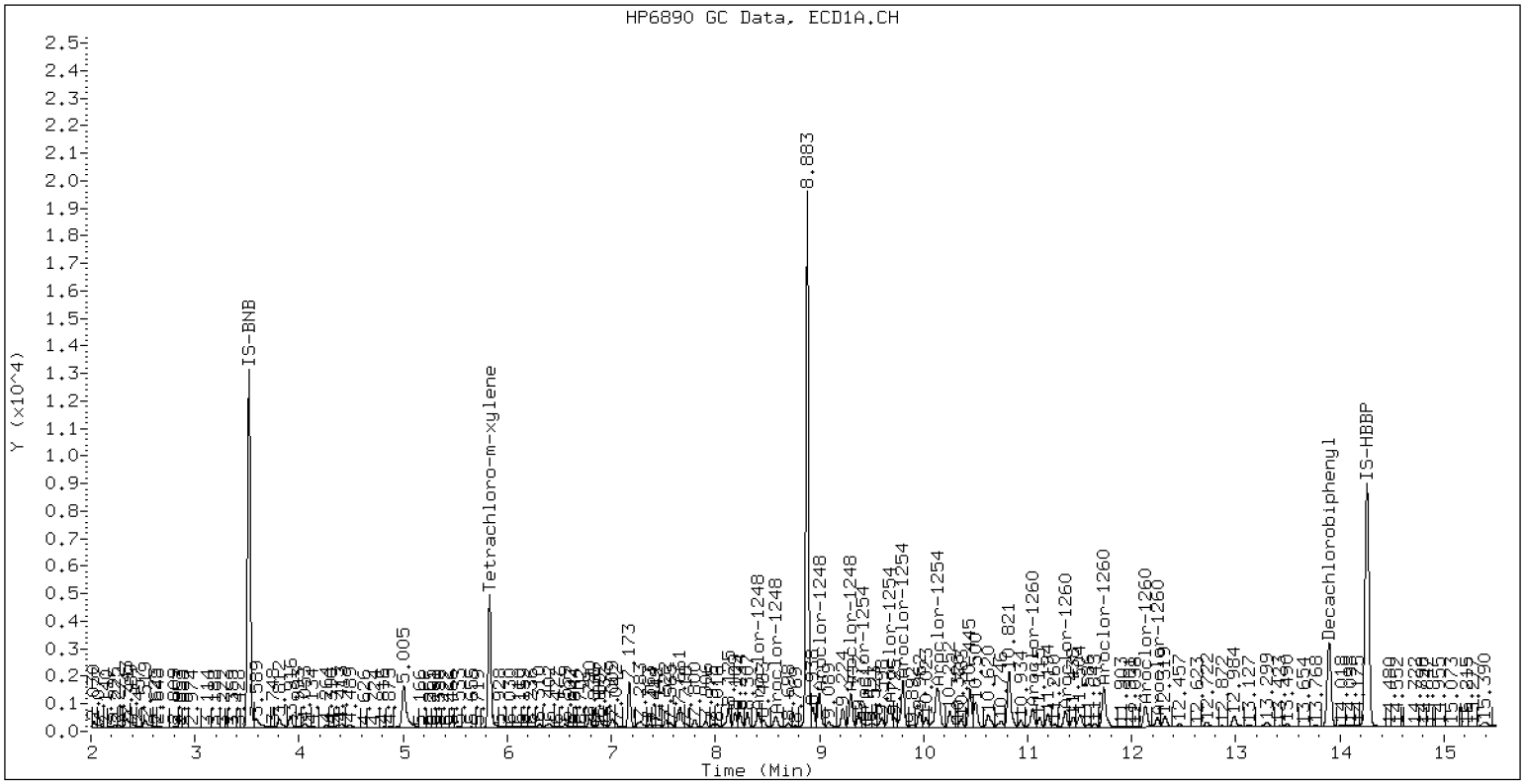
Total PCB Area Col2 (5.810 - 14.032) = 1305279 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

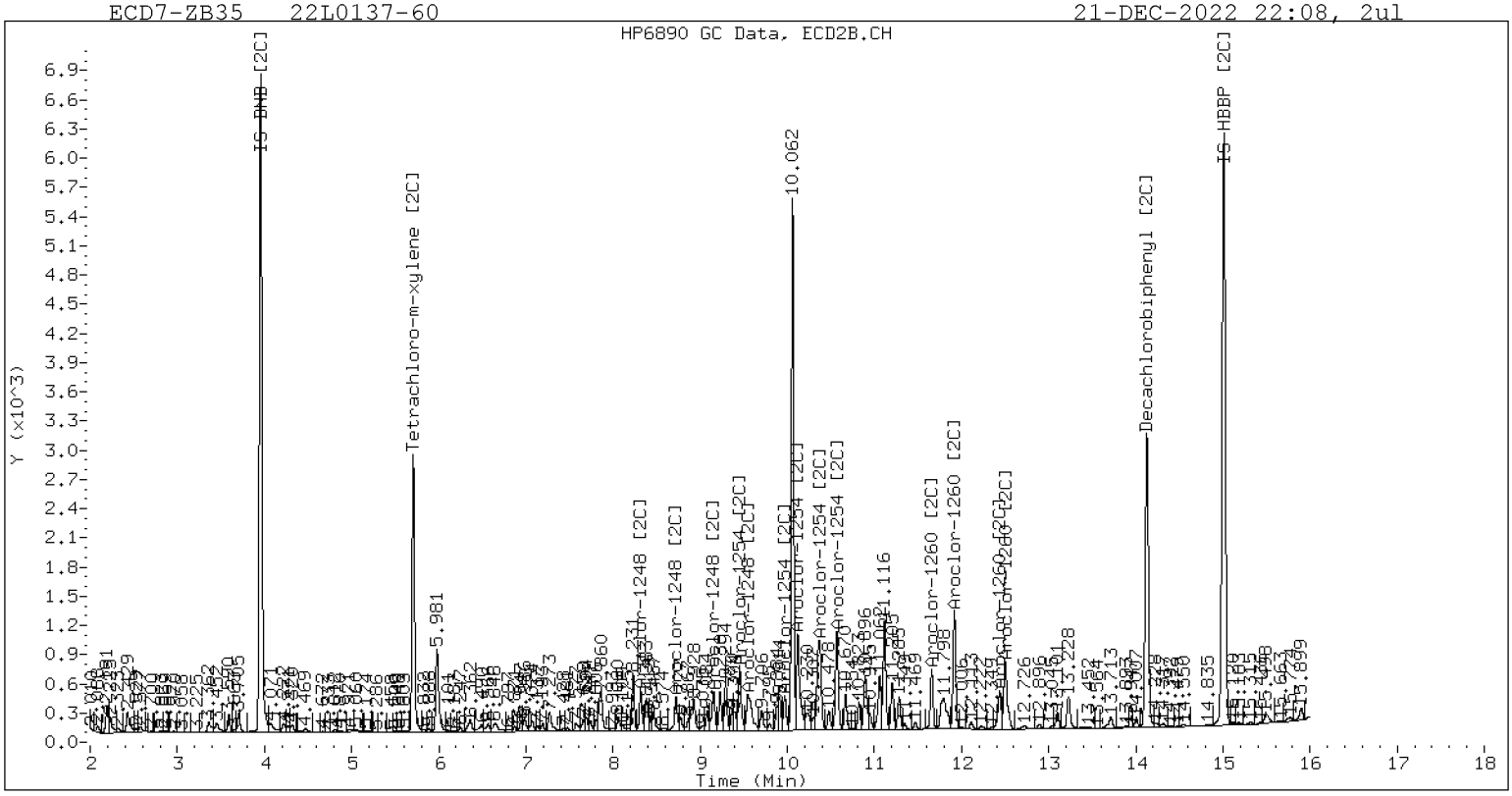
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-60 21-DEC-2022 22:08, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-60 21-DEC-2022 22:08, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769C

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-61 B	File ID:	12202250ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:04
% Solids:	58.14	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.79 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	3.9	1.5	3.9	U
11104-28-2	Aroclor 1221	1	1	3.9	1.5	3.9	U
11141-16-5	Aroclor 1232	1	1	3.9	1.5	3.9	U
53469-21-9	Aroclor 1242	1	1	3.9	1.5	3.9	U
12672-29-6	Aroclor 1248	1	1	14.3	1.5	3.9	
11097-69-1	Aroclor 1254	1	1	16.6	1.5	3.9	
11096-82-5	Aroclor 1260	1	1	34.7	0.6	3.9	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.8931*	*7.84*	*99.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.8931*	*5.65*	*71.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202250ECD7.D
Data file 2: /221220.b/221220.b/12202250ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-61
Client ID:
Injection Date: 21-DEC-2022 06:04
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	203722	5.708	-0.006	120994	28.7	31.1	8.3	Tetrachloro-m-xylene
13.896	-0.011	171296	14.127	-0.009	160664	39.7	35.5	11.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	501706	12.1
Hexabromobiphenyl	798898	470453	-41.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	283383	13.8
Hexabromobiphenyl	362541	319033	-12.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.411	-0.016	20251	93.9	1	8.317	-0.009	10656	92.0
Aroclor-1248	2	8.581	-0.023	14832	53.9	2	8.722	-0.010	12001	98.6
Aroclor-1248	3	9.000	-0.022	34548	69.7	3	9.155	-0.023	13456	90.9
Aroclor-1248	4	9.301	-0.010	38028	156.7	4	9.549	-0.053	28769	165.5
		Total Col1Ave (4 peaks):			93.5	Total Col2Ave (4 peaks):				111.7 RPD = 18
		Corrected Ave (3 peaks):			72.5	Corrected Ave (3 peaks):				93.8 RPD = 26
Aroclor-1254	1	9.301	-0.020	38028	86.1	1	9.455	-0.012	26315	144.0
Aroclor-1254	2	9.422	0.020	7165	41.7	2	9.972	-0.014	10412	70.9
Aroclor-1254	3	9.678	-0.017	30854	110.6	3	10.120	-0.019	38206	121.0
Aroclor-1254	4	9.802	-0.029	53026	97.5	4	10.373	-0.016	50100	153.2
Aroclor-1254	5	10.128	-0.062	73535	197.3	5	10.569	-0.017	44630	283.0
		Total Col1Ave (5 peaks):			106.6	Total Col2Ave (5 peaks):				154.4 RPD = 37
		Corrected Ave (4 peaks):			84.0	Corrected Ave (4 peaks):				122.3 RPD = 37
Aroclor-1260	1	11.046	-0.016	38686	225.9	1	11.659	-0.011	24969	148.3
Aroclor-1260	2	11.361	-0.016	27589	155.8	2	11.919	-0.014	55140	130.5
Aroclor-1260	3	11.731	-0.021	79279	170.4	3	12.437	-0.014	27168	241.4
Aroclor-1260	4	12.132	-0.026	38242	161.4	4	12.503	-0.014	41721	148.1
Aroclor-1260	5	12.246	-0.015	20834	214.7	NS	---			----
		Total Col1Ave (5 peaks):			185.6	Total Col2Ave (4 peaks):				167.1 RPD = 11
		Corrected Ave (4 peaks):			175.6	Corrected Ave (3 peaks):				142.3 RPD = 21
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 2530393 Col1 Total PCB = 0.5 ppm*

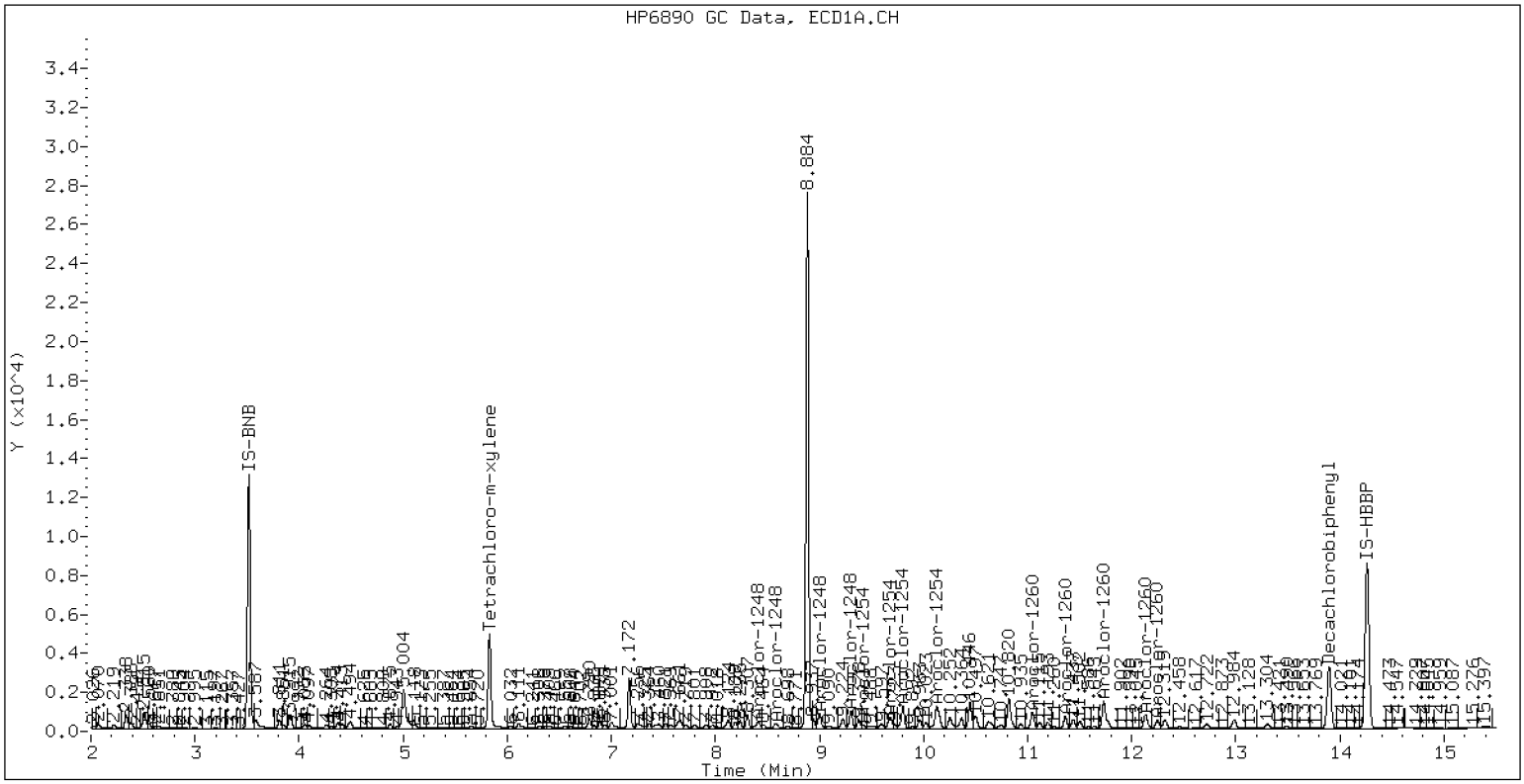
Total PCB Area Col2 (5.813 - 14.037) = 1337265 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

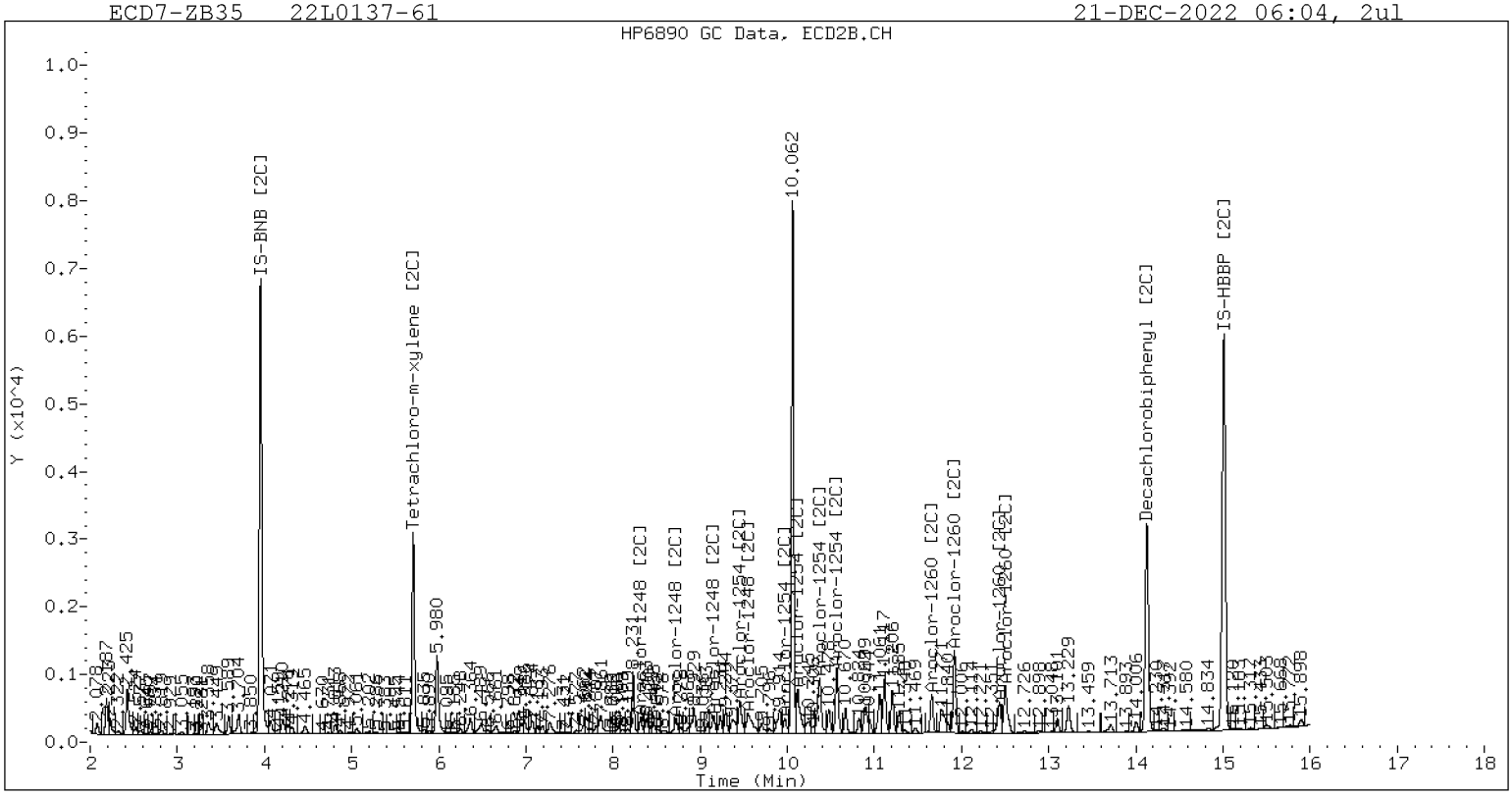
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-61 21-DEC-2022 06:04, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-61 21-DEC-2022 06:04, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769D

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-62 B	File ID:	12202251ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:26
% Solids:	58.59	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.39 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	40.5	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	64.4	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	91.7	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9793*	*7.86*	*98.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9793*	*5.07*	*63.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202251ECD7.D
Data file 2: /221220.b/221220.b/12202251ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-62
Client ID:
Injection Date: 21-DEC-2022 06:26
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	176327	5.708	-0.006	110359	25.4	29.3	14.3	Tetrachloro-m-xylene
13.898	-0.010	154785	14.127	-0.010	156268	39.4	36.3	8.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	489892	9.4
Hexabromobiphenyl	798898	428360	-46.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	274627	10.3
Hexabromobiphenyl	362541	303031	-16.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.411	-0.016	51831	246.1	1	8.316	-0.010	30637	273.1
Aroclor-1248	2	8.581	-0.024	34956	130.0	2	8.722	-0.010	28734	243.5
Aroclor-1248	3	8.998	-0.024	113758	235.1	3	9.153	-0.024	38967	271.5
Aroclor-1248	4	9.301	-0.010	124001	523.2	4	9.629	0.027	4712	28.0
		Total Col1Ave (4 peaks):			283.6		Total Col2Ave (4 peaks):			204.0 RPD = 33
		Corrected Ave (3 peaks):			203.7		Corrected Ave (3 peaks):			181.0 RPD = 12
Aroclor-1254	1	9.301	-0.020	124001	287.5	1	9.453	-0.014	71658	404.7
Aroclor-1254	2	9.420	0.019	7748	46.2	2	9.972	-0.015	35373	248.5
Aroclor-1254	3	9.671	-0.023	91204	334.8	3	10.120	-0.020	130244	425.6
Aroclor-1254	4	9.800	-0.031	172288	324.4	4	10.369	-0.020	157855	498.1
Aroclor-1254	5	10.131	-0.058	226287	621.6	5	10.568	-0.018	119533	782.1
		Total Col1Ave (5 peaks):			322.9		Total Col2Ave (5 peaks):			471.8 RPD = 37
		Corrected Ave (4 peaks):			248.2		Corrected Ave (4 peaks):			394.2 RPD = 45*
Aroclor-1260	1	11.045	-0.017	76327	489.5	1	11.658	-0.011	73298	458.2
Aroclor-1260	2	11.360	-0.017	64585	400.5	2	11.918	-0.014	146535	365.1
Aroclor-1260	3	11.729	-0.022	178696	421.7	3	12.437	-0.014	57570	538.6
Aroclor-1260	4	12.132	-0.027	102445	474.7	4	12.501	-0.016	109747	410.2
Aroclor-1260	5	12.245	-0.016	45266	512.4	NS	---			----
		Total Col1Ave (5 peaks):			459.8		Total Col2Ave (4 peaks):			443.0 RPD = 4
		Corrected Ave (4 peaks):			446.6		Corrected Ave (3 peaks):			411.2 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 3353528 Col1 Total PCB = 0.7 ppm*

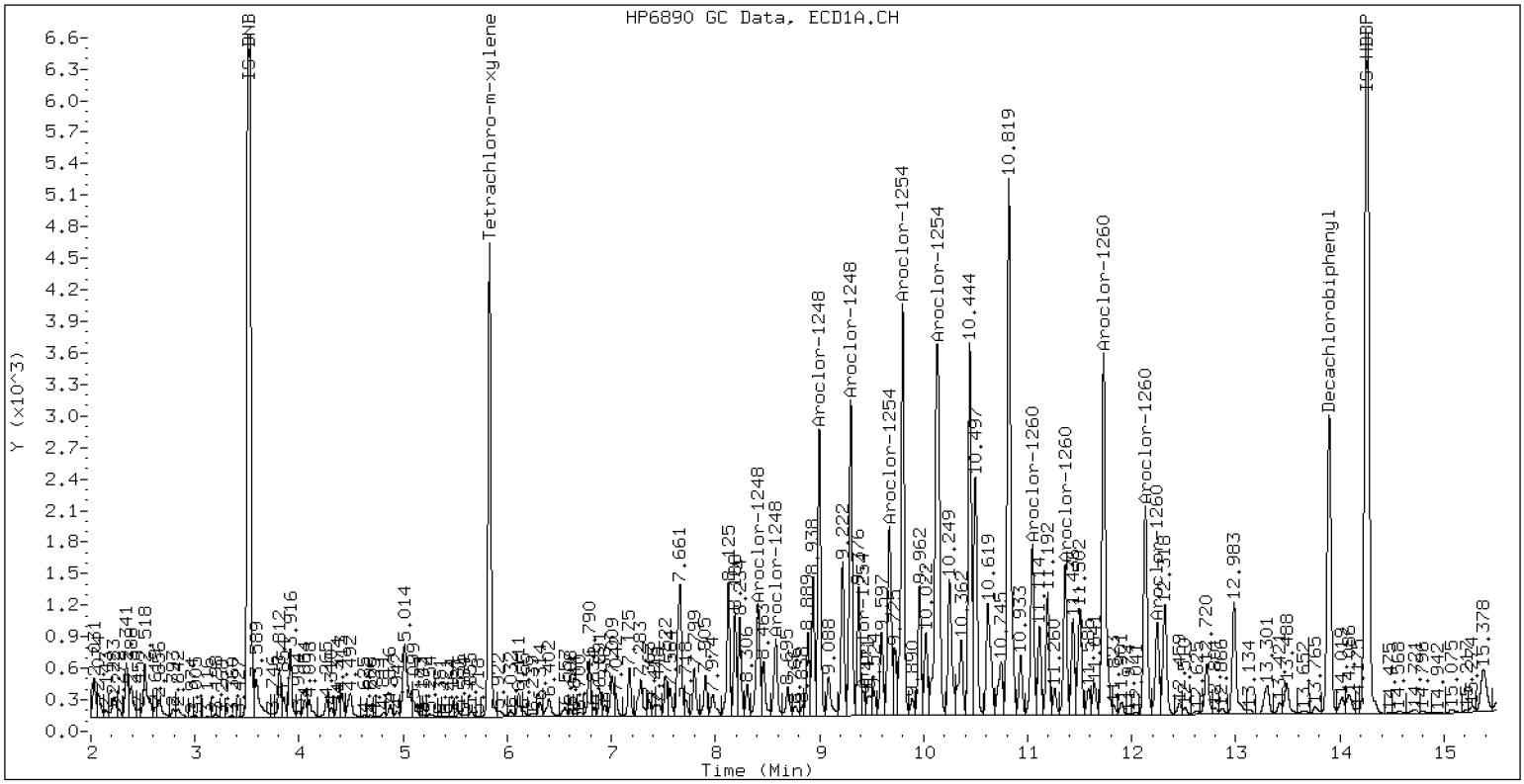
Total PCB Area Col2 (5.813 - 14.037) = 2353963 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

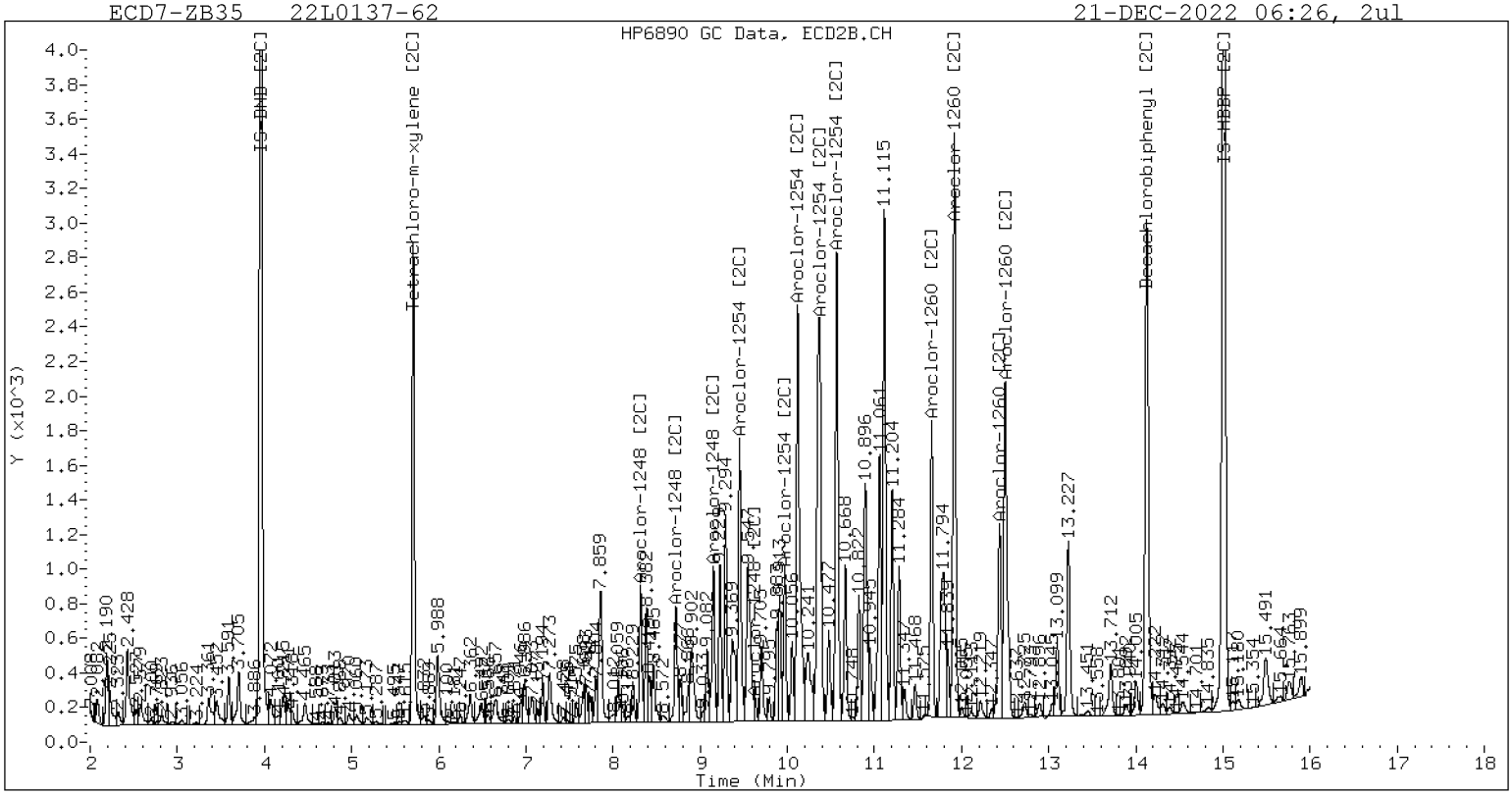
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-62 21-DEC-2022 06:26, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-62 21-DEC-2022 06:26, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769E

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-63 B	File ID:	12202252ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:47
% Solids:	61.50	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.38 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	28.1	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	42.4	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	52.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9785*	*7.81*	*97.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9785*	*5.29*	*66.3*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202252ECD7.D
Data file 2: /221220.b/221220.b/12202252ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-63
Client ID:
Injection Date: 21-DEC-2022 06:47
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.005	180546	5.707	-0.006	111647	26.5	29.6	10.9	Tetrachloro-m-xylene
13.897	-0.011	156637	14.127	-0.010	154713	39.1	35.8	8.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	480068	7.2
Hexabromobiphenyl	798898	436628	-45.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	275153	10.5
Hexabromobiphenyl	362541	304419	-16.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.412	-0.015	34191	165.6	1	8.317	-0.009	22284	198.2
Aroclor-1248	2	8.581	-0.024	26159	99.3	2	8.722	-0.010	19990	169.1
Aroclor-1248	3	8.998	-0.024	74736	157.6	3	9.154	-0.023	26926	187.2
Aroclor-1248	4	9.301	-0.010	81009	348.8	4	9.630	0.028	3584	21.2
		Total Col1Ave (4 peaks):			192.8		Total Col2Ave (4 peaks):			143.9 RPD = 29
		Corrected Ave (3 peaks):			140.8		Corrected Ave (3 peaks):			125.8 RPD = 11
Aroclor-1254	1	9.301	-0.020	81009	191.7	1	9.453	-0.014	49648	279.9
Aroclor-1254	2	9.421	0.019	6897	42.0	2	9.972	-0.015	21603	151.5
Aroclor-1254	3	9.672	-0.023	54951	205.8	3	10.120	-0.020	83391	272.0
Aroclor-1254	4	9.800	-0.030	115709	222.4	4	10.370	-0.019	99494	313.4
Aroclor-1254	5	10.129	-0.060	142933	400.7	5	10.569	-0.018	76869	502.0
		Total Col1Ave (5 peaks):			212.5		Total Col2Ave (5 peaks):			303.7 RPD = 35
		Corrected Ave (4 peaks):			165.4		Corrected Ave (4 peaks):			254.2 RPD = 42*
Aroclor-1260	1	11.046	-0.016	45710	287.6	1	11.658	-0.011	43201	268.8
Aroclor-1260	2	11.361	-0.016	39321	239.2	2	11.918	-0.014	88671	219.9
Aroclor-1260	3	11.731	-0.020	112605	260.7	3	12.437	-0.015	32529	303.0
Aroclor-1260	4	12.131	-0.028	59376	269.9	4	12.501	-0.015	60407	224.7
Aroclor-1260	5	12.245	-0.016	24296	269.8	NS	---			----
		Total Col1Ave (5 peaks):			265.5		Total Col2Ave (4 peaks):			254.1 RPD = 4
		Corrected Ave (4 peaks):			259.9		Corrected Ave (3 peaks):			237.8 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 2235719 Col1 Total PCB = 0.5 ppm*

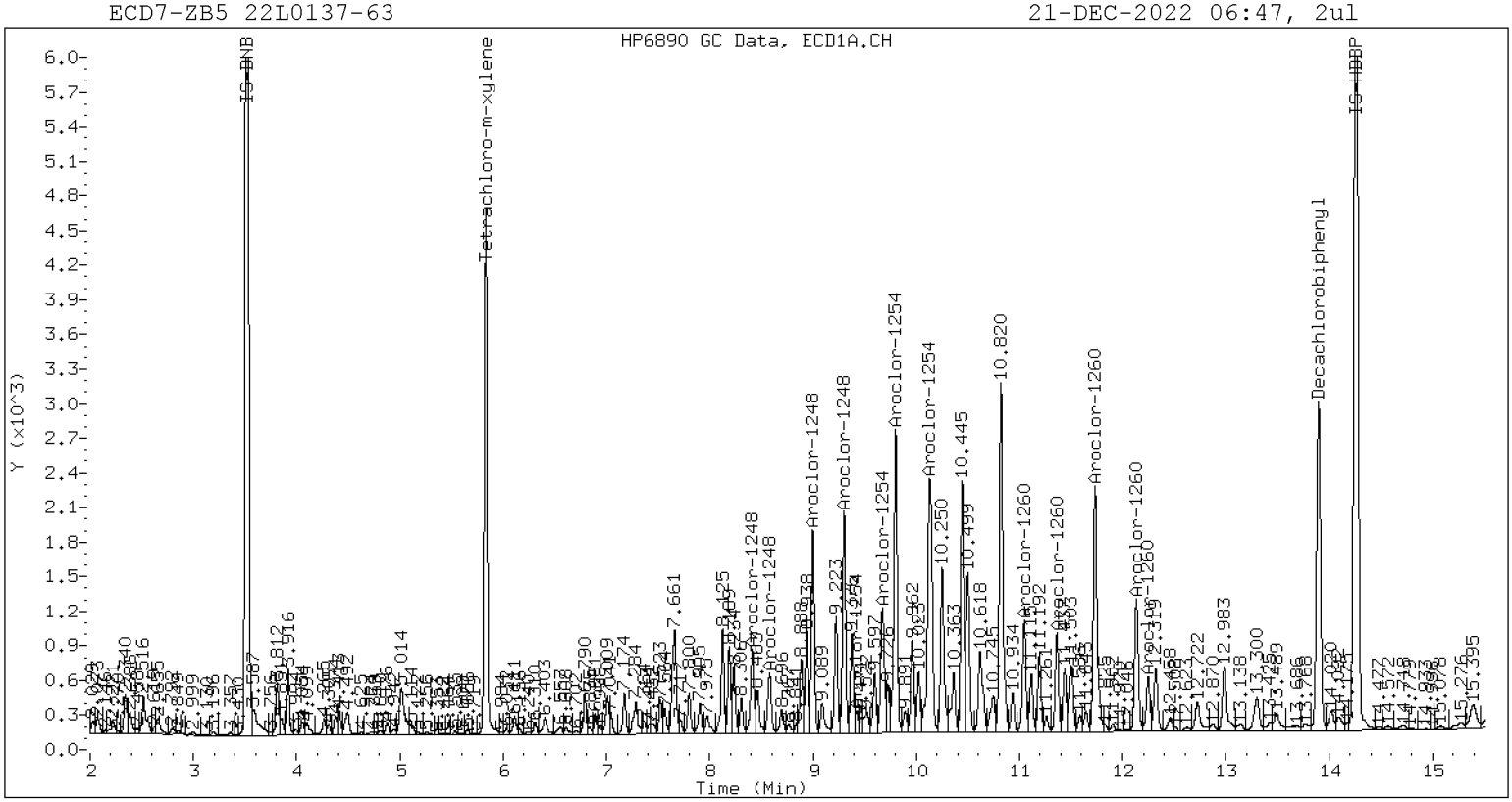
Total PCB Area Col2 (5.813 - 14.037) = 1545631 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

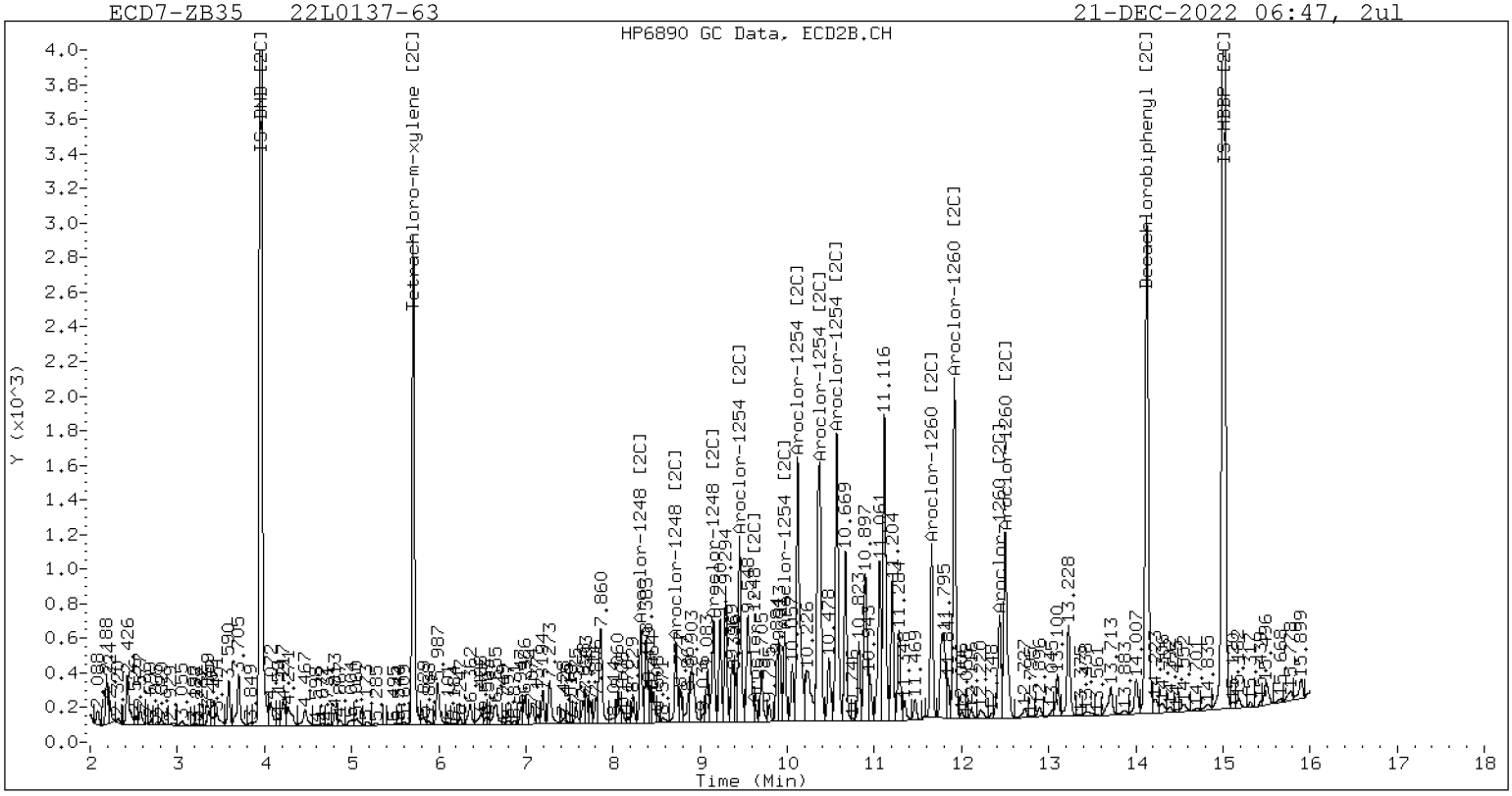
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-63 21-DEC-2022 06:47, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-63 21-DEC-2022 06:47, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769F

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-64 B	File ID:	12202253ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:08
% Solids:	62.10	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.16 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	48.9	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	60.1	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	49.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9876*	*7.51*	*94.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9876*	*5.08*	*63.6*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202253ECD7.D
Data file 2: /221220.b/221220.b/12202253ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-64
Client ID:
Injection Date: 21-DEC-2022 07:08
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.005	173202	5.708	-0.005	108760	25.5	29.1	13.4	Tetrachloro-m-xylene
13.896	-0.012	154179	14.127	-0.010	148735	37.6	34.4	8.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	480156	7.3
Hexabromobiphenyl	798898	447337	-44.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272469	9.4
Hexabromobiphenyl	362541	304350	-16.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	56132	271.9	1	8.317	-0.009	41072	369.0
Aroclor-1248	2	8.581	-0.023	51845	196.7	2	8.723	-0.010	37054	316.5
Aroclor-1248	3	8.999	-0.024	126292	266.3	3	9.155	-0.023	46067	323.5
Aroclor-1248	4	9.301	-0.010	118472	510.0	4	9.632	0.030	5831	34.9
		Total Col1Ave (4 peaks):			311.2		Total Col2Ave (4 peaks):			261.0 RPD = 18
		Corrected Ave (3 peaks):			245.0		Corrected Ave (3 peaks):			225.0 RPD = 9
Aroclor-1254	1	9.301	-0.020	118472	280.2	1	9.454	-0.013	64697	368.3
Aroclor-1254	2	9.377	-0.025	58820	357.8	2	9.972	-0.015	27664	195.9
Aroclor-1254	3	9.671	-0.023	70764	265.0	3	10.120	-0.019	112927	372.0
Aroclor-1254	4	9.801	-0.029	157163	302.0	4	10.362	-0.027	126965	403.8
Aroclor-1254	5	10.135	-0.054	184616	517.4	5	10.569	-0.017	81423	536.9
		Total Col1Ave (5 peaks):			344.5		Total Col2Ave (5 peaks):			375.4 RPD = 9
		Corrected Ave (4 peaks):			301.2		Corrected Ave (4 peaks):			335.0 RPD = 11
Aroclor-1260	1	11.046	-0.016	44824	275.3	1	11.658	-0.011	44856	279.2
Aroclor-1260	2	11.362	-0.016	38135	226.4	2	11.919	-0.014	82022	203.5
Aroclor-1260	3	11.731	-0.020	100095	226.2	3	12.439	-0.013	26446	246.4
Aroclor-1260	4	12.131	-0.027	56606	251.2	4	12.503	-0.014	57062	212.3
Aroclor-1260	5	12.247	-0.014	23765	257.6	NS	---			----
		Total Col1Ave (5 peaks):			247.3		Total Col2Ave (4 peaks):			235.3 RPD = 5
		Corrected Ave (4 peaks):			240.4		Corrected Ave (3 peaks):			220.7 RPD = 9
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 2835532 Col1 Total PCB = 0.6 ppm*

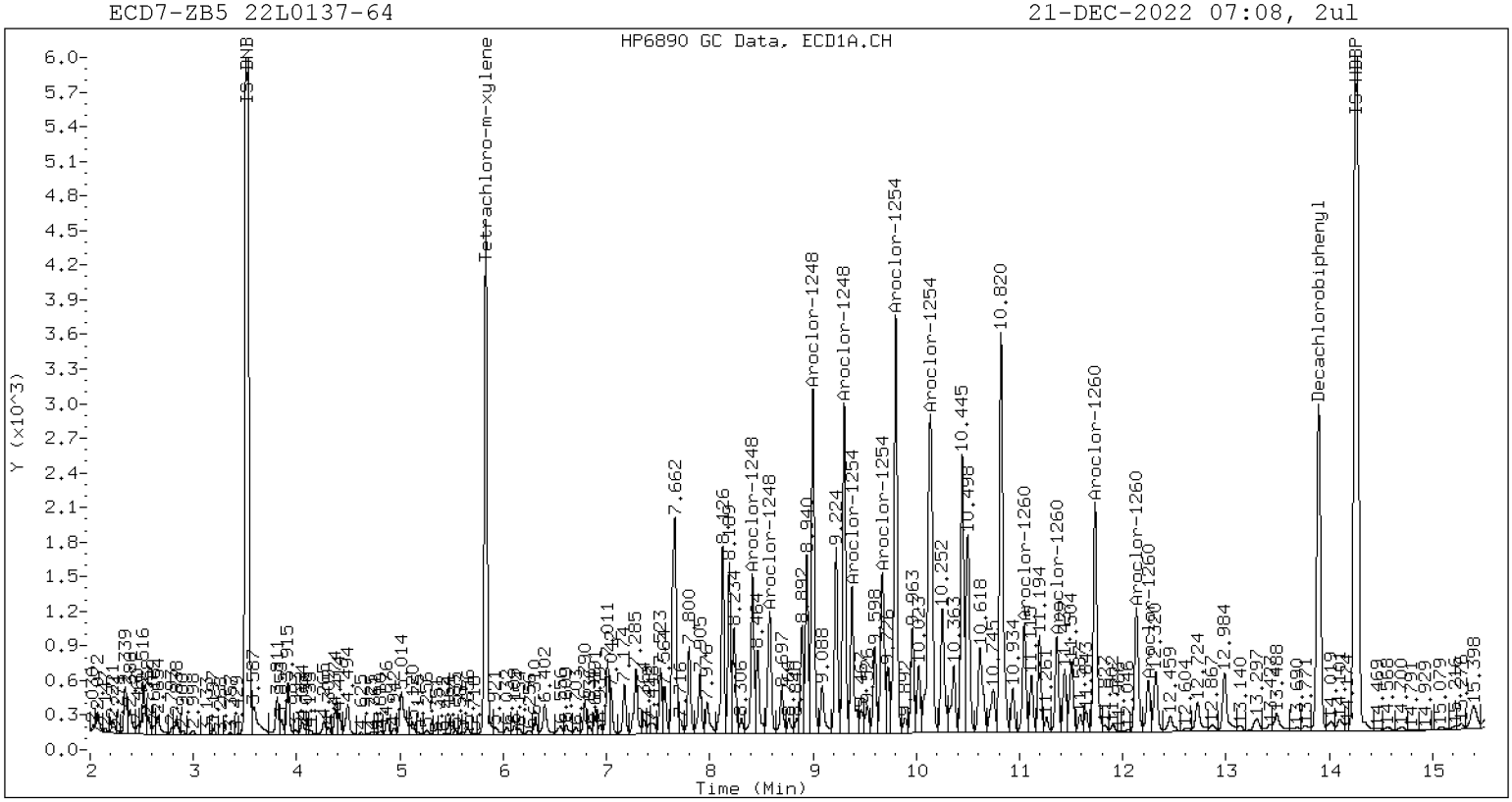
Total PCB Area Col2 (5.813 - 14.037) = 1905123 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

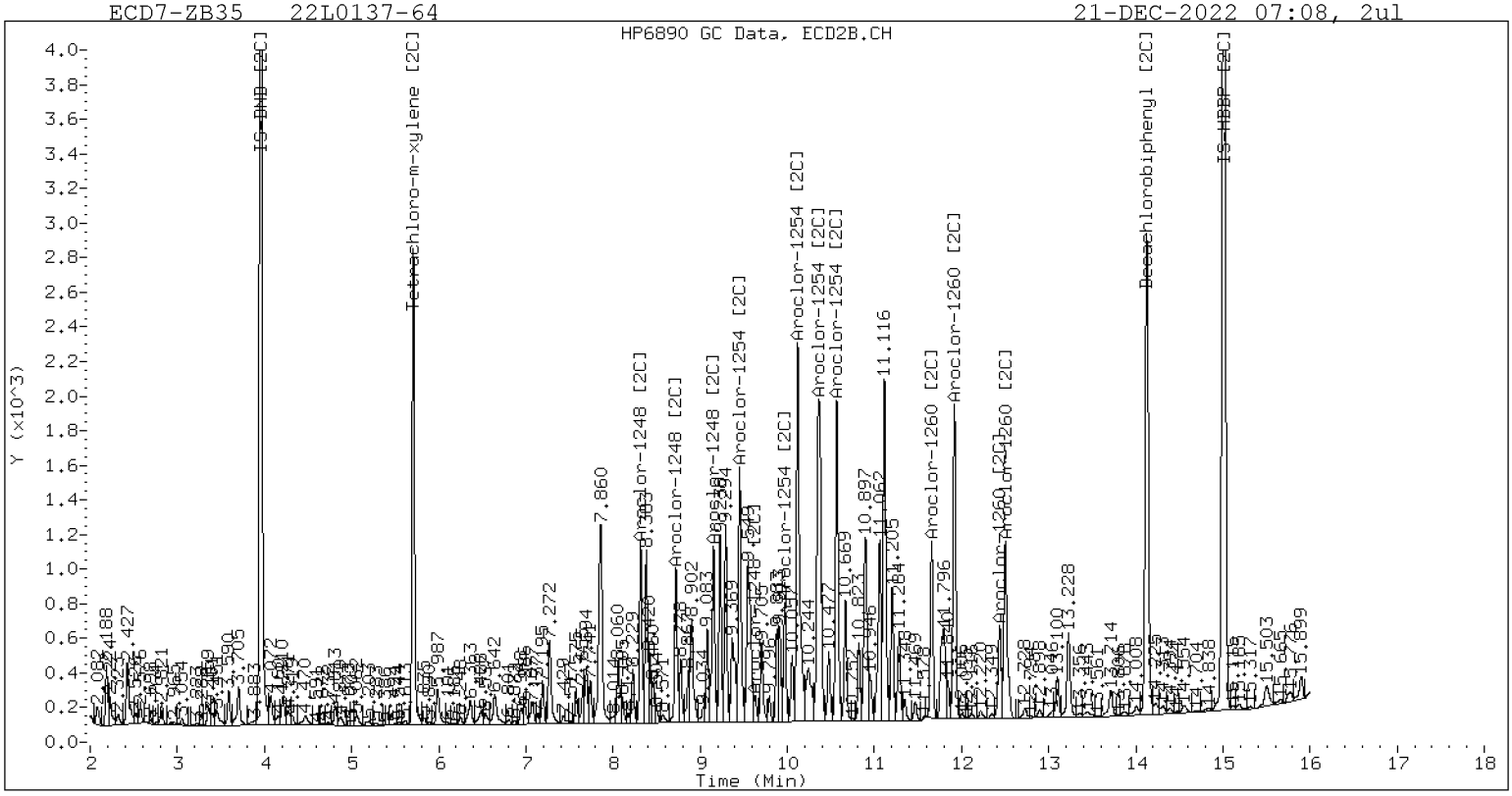
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-64 21-DEC-2022 07:08, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-64 21-DEC-2022 07:08, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-65 B	File ID:	12202254ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:29
% Solids:	63.93	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.56 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	149	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	120	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	67.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9970*	*8.11*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9970*	*5.28*	*66.1*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202254ECD7.D
Data file 2: /221220.b/221220.b/12202254ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-65
Client ID:
Injection Date: 21-DEC-2022 07:29
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	174807	5.706	-0.008	106926	26.4	29.1	9.6	Tetrachloro-m-xylene
13.896	-0.011	162330	14.127	-0.009	161091	40.6	37.5	8.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	466768	4.3
Hexabromobiphenyl	798898	436525	-45.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	267994	7.6
Hexabromobiphenyl	362541	302882	-16.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.014	165076	822.5	1	8.317	-0.009	128756	1176.0
Aroclor-1248	2	8.580	-0.024	173910	678.7	2	8.722	-0.010	117288	1018.6
Aroclor-1248	3	8.997	-0.025	336750	730.5	3	9.153	-0.024	122075	871.5
Aroclor-1248	4	9.301	-0.010	239792	1061.8	4	9.633	0.030	13458	81.8
		Total Col1Ave (4 peaks):			823.4	Total Col2Ave (4 peaks):				787.0 RPD = 5
		Corrected Ave (3 peaks):			743.9	Corrected Ave (3 peaks):				657.3 RPD = 12
Aroclor-1254	1	9.301	-0.020	239792	583.5	1	9.454	-0.013	121297	702.0
Aroclor-1254	2	9.376	-0.025	118964	744.3	2	9.972	-0.015	45317	326.2
Aroclor-1254	3	9.671	-0.023	117889	454.2	3	10.120	-0.020	221426	741.5
Aroclor-1254	4	9.802	-0.029	314830	622.2	4	10.359	-0.030	229439	741.9
Aroclor-1254	5	10.139	-0.050	305924	882.0	5	10.569	-0.017	125465	841.2
		Total Col1Ave (5 peaks):			657.2	Total Col2Ave (5 peaks):				670.6 RPD = 2
		Corrected Ave (4 peaks):			601.0	Corrected Ave (4 peaks):				627.9 RPD = 4
Aroclor-1260	1	11.046	-0.016	60461	380.5	1	11.658	-0.011	63752	398.8
Aroclor-1260	2	11.362	-0.016	50965	310.1	2	11.919	-0.014	106329	265.0
Aroclor-1260	3	11.731	-0.020	123656	286.4	3	12.438	-0.013	33940	317.7
Aroclor-1260	4	12.131	-0.027	72797	331.0	4	12.502	-0.015	75561	282.5
Aroclor-1260	5	12.247	-0.015	33035	367.0	NS	---			----
		Total Col1Ave (5 peaks):			335.0	Total Col2Ave (4 peaks):				316.0 RPD = 6
		Corrected Ave (4 peaks):			323.6	Corrected Ave (3 peaks):				288.4 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks				Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 5916107 Col1 Total PCB = 1.3 ppm*

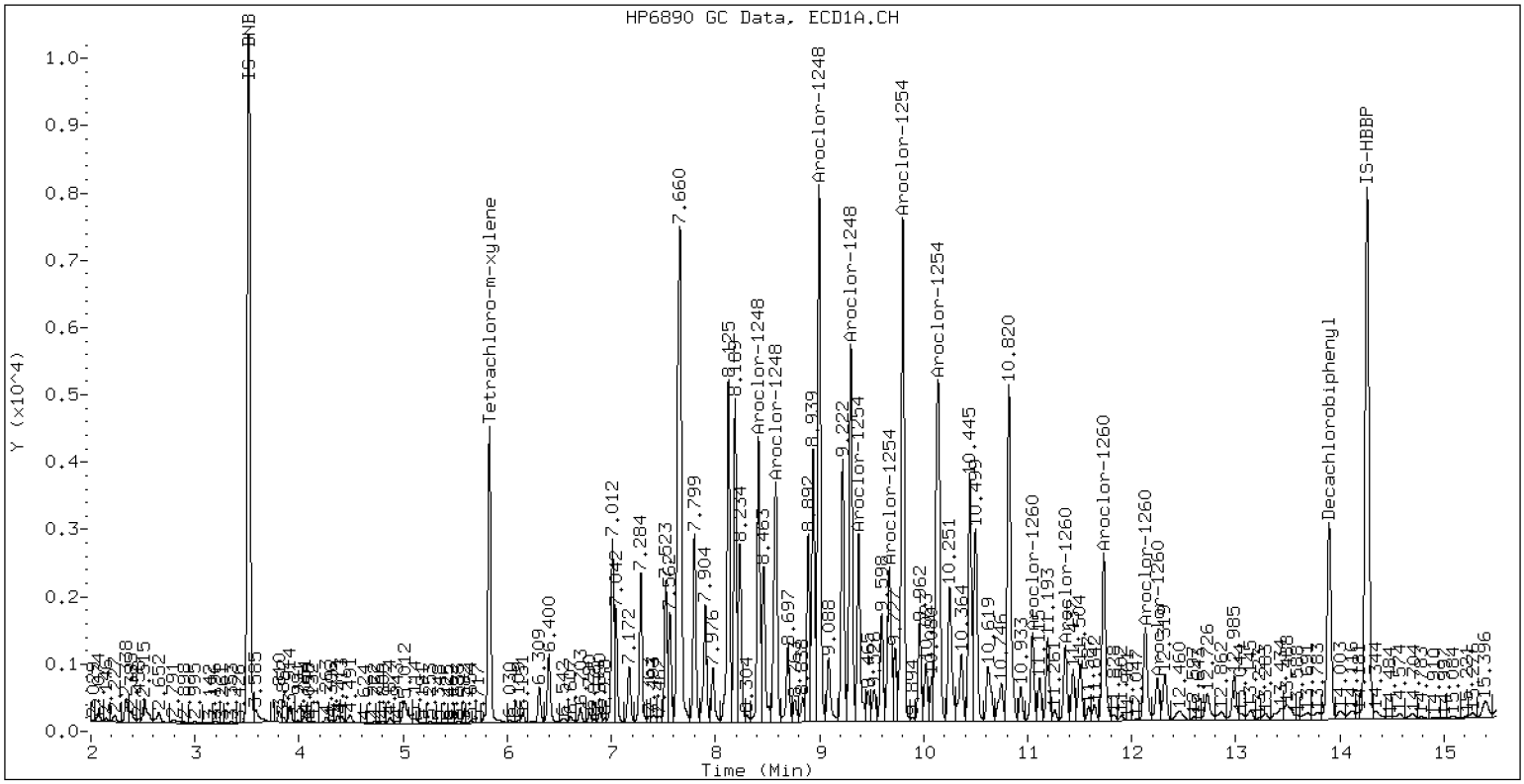
Total PCB Area Col2 (5.813 - 14.037) = 3957333 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

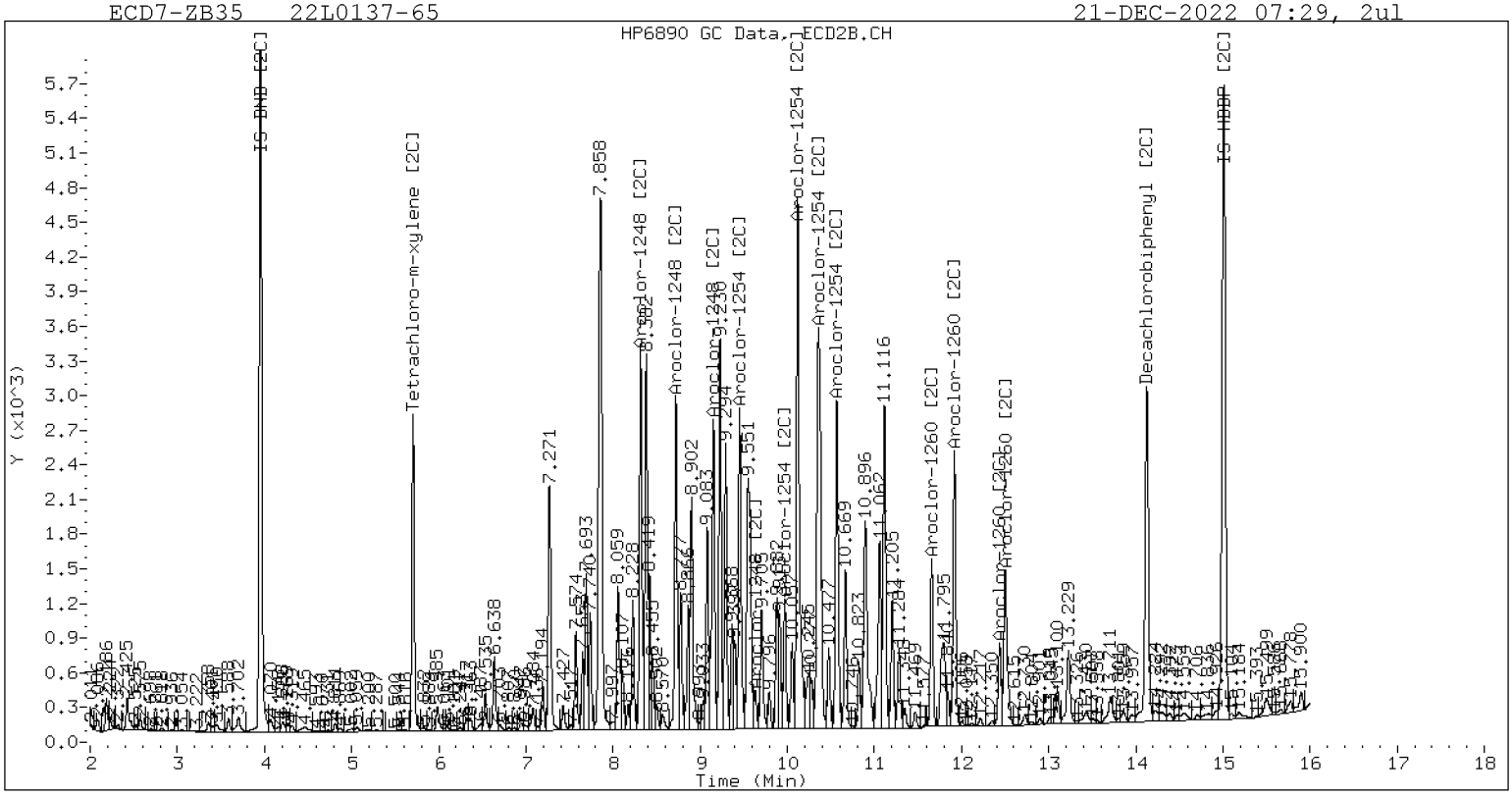
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-65 21-DEC-2022 07:29, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-65 21-DEC-2022 07:29, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769G

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-65RE1 B	File ID:	12222218ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 21:51
% Solids:	63.93	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.56 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	201	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	169	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	63.9	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9970*	*8.04*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9970*	*5.72*	*71.5*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222218ECD7.D
Data file 2: /221222.b/221222.b/12222218ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-65RE1
Client ID:
Injection Date: 22-DEC-2022 21:51
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	40169	5.709	-0.005	23222	5.7	6.0	5.3	Tetrachloro-m-xylene
13.899	-0.005	52525	14.127	-0.010	38971	8.0	6.7	18.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	495408	10.7
Hexabromobiphenyl	798898	712042	-10.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	280772	12.7
Hexabromobiphenyl	362541	411756	13.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	46976	220.5	1	8.317	-0.009	33701	293.8
Aroclor-1248	2	8.583	-0.021	51141	188.0	2	8.723	-0.010	28178	233.6
Aroclor-1248	3	9.001	-0.021	96137	196.5	3	9.157	-0.020	32372	220.6
Aroclor-1248	4	9.303	-0.008	70294	293.3	4	9.634	0.031	4050	23.5
		Total Col1Ave (4 peaks):			224.6		Total Col2Ave (4 peaks):			192.9 RPD = 15
		Corrected Ave (3 peaks):			201.7		Corrected Ave (3 peaks):			159.2 RPD = 24
Aroclor-1254	1	9.303	-0.018	70294	161.2	1	9.455	-0.011	32912	181.8
Aroclor-1254	2	9.380	-0.022	36738	216.6	2	9.974	-0.013	12234	84.1
Aroclor-1254	3	9.674	-0.020	33590	121.9	3	10.123	-0.017	58589	187.3
Aroclor-1254	4	9.806	-0.025	95254	177.4	4	10.368	-0.021	62083	191.6
Aroclor-1254	5	10.148	-0.041	99735	270.9	5	10.571	-0.016	34129	218.4
		Total Col1Ave (5 peaks):			189.6		Total Col2Ave (5 peaks):			172.6 RPD = 9
		Corrected Ave (4 peaks):			169.3		Corrected Ave (4 peaks):			161.2 RPD = 5
Aroclor-1260	1	11.050	-0.006	18562	71.6	1	11.660	-0.009	17392	80.0
Aroclor-1260	2	11.364	-0.009	15389	57.4	2	11.920	-0.012	27781	50.9
Aroclor-1260	3	11.734	-0.012	39800	56.5	3	12.438	-0.013	11054	76.1
Aroclor-1260	4	12.135	-0.013	22770	63.5	4	12.503	-0.014	20174	55.5
Aroclor-1260	5	12.249	-0.009	10374	70.7	NS	---			----
		Total Col1Ave (5 peaks):			63.9		Total Col2Ave (4 peaks):			65.6 RPD = 3
		Corrected Ave (4 peaks):			62.0		Corrected Ave (3 peaks):			60.8 RPD = 2
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1736950 Col1 Total PCB = 0.4 ppm*

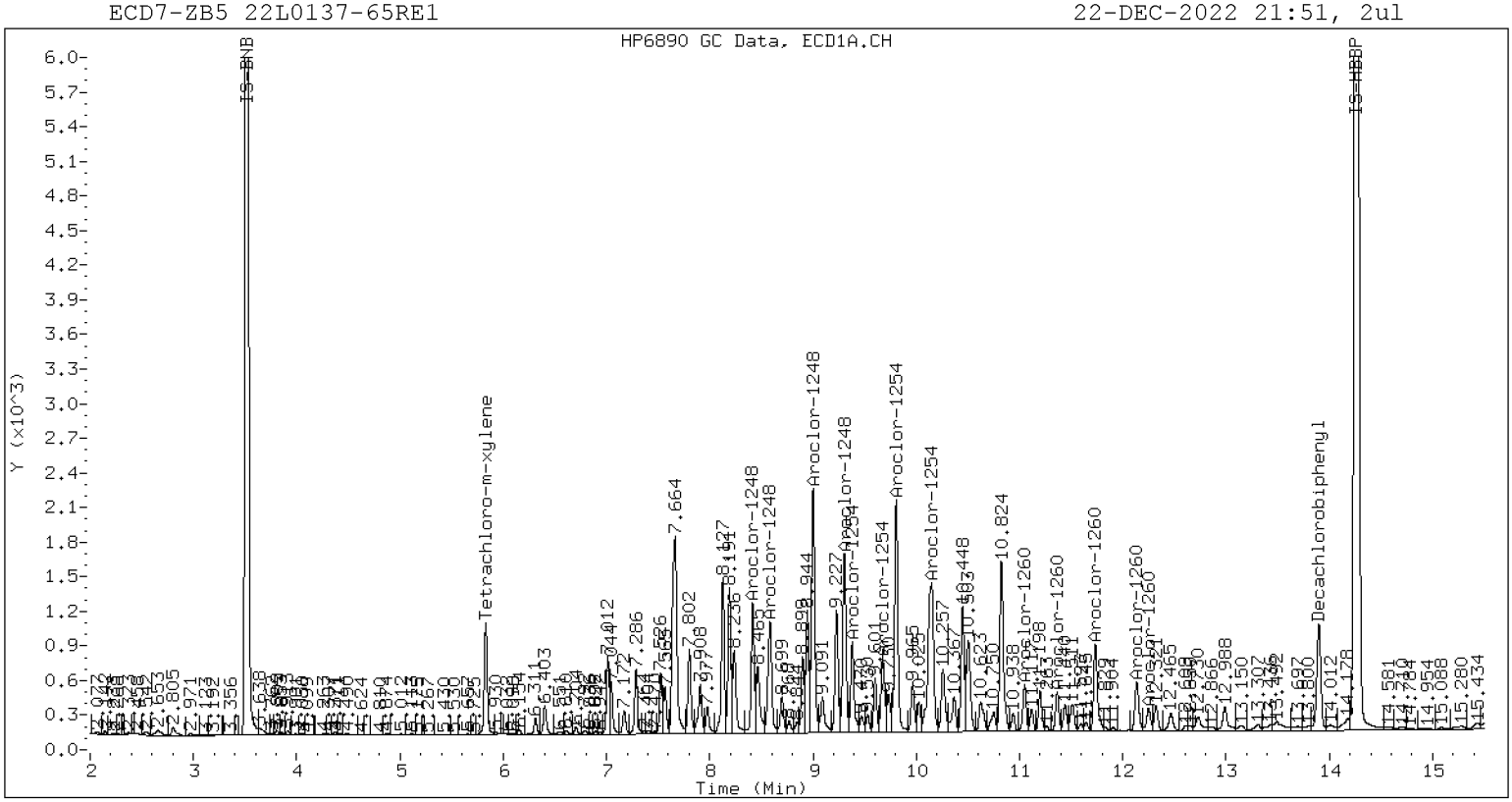
Total PCB Area Col2 (5.813 - 14.037) = 1040629 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

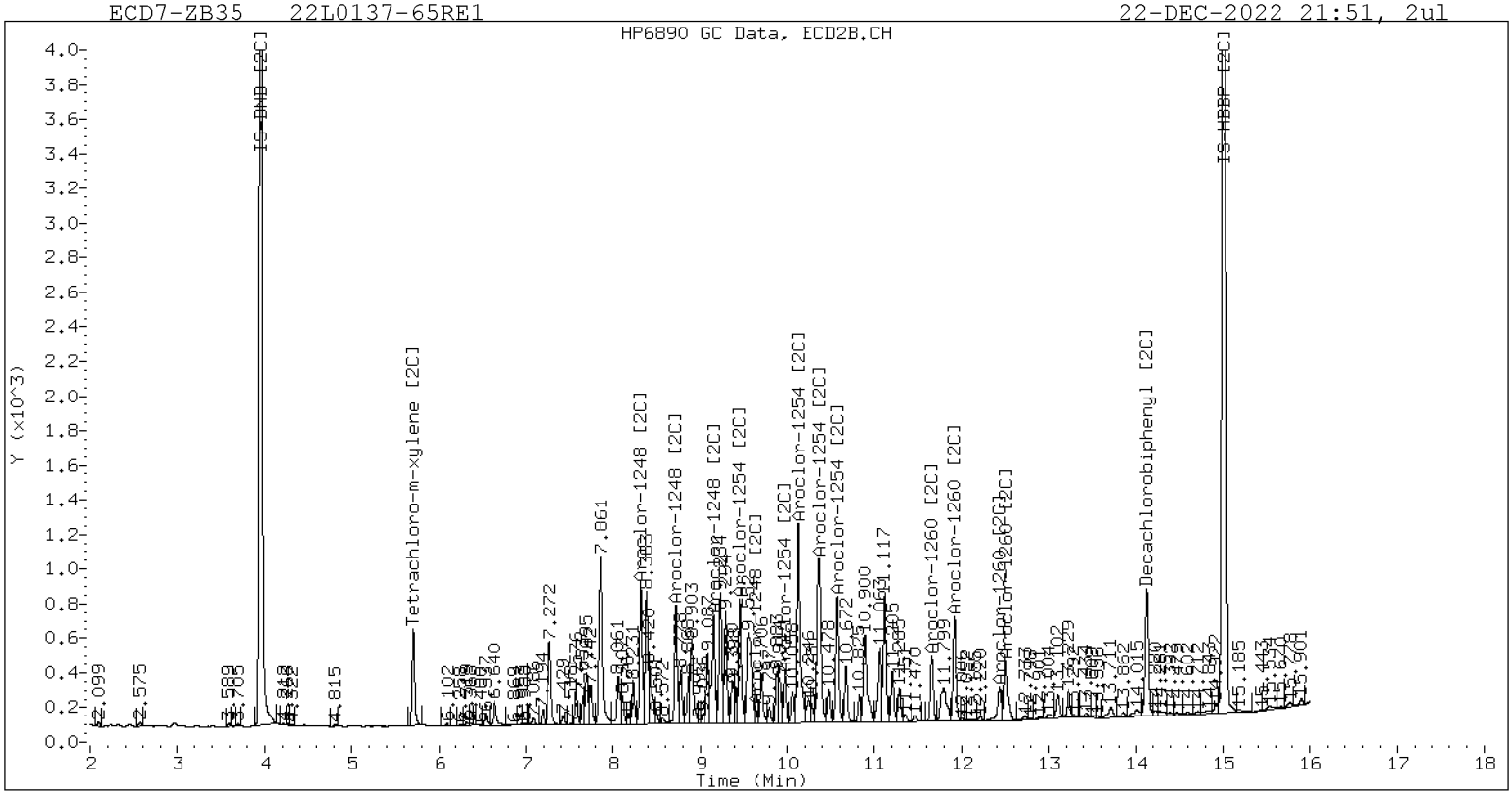
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-65RE1 22-DEC-2022 21:51, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-65RE1 22-DEC-2022 21:51, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769H

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-66 B	File ID:	12202255ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:50
% Solids:	64.79	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.33 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	93.2	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	72.7	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	43.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9847*	*8.22*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9847*	*5.30*	*66.4*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202255ECD7.D
Data file 2: /221220.b/221220.b/12202255ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-66
Client ID:
Injection Date: 21-DEC-2022 07:50
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.007	175126	5.707	-0.007	109047	26.5	30.2	12.7	Tetrachloro-m-xylene
13.896	-0.011	175622	14.127	-0.009	174226	41.2	38.9	5.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	465538	4.0
Hexabromobiphenyl	798898	465178	-41.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	263759	5.9
Hexabromobiphenyl	362541	315172	-13.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	8.414	-0.013	103060	514.9	1	8.317	-0.009	76552	710.4
Aroclor-1248	2	8.581	-0.024	109754	429.5	2	8.723	-0.010	72659	641.1
Aroclor-1248	3	8.997	-0.025	209799	456.3	3	9.154	-0.024	81833	593.6
Aroclor-1248	4	9.301	-0.010	159376	707.6	4	9.632	0.030	7856	48.5
	Total Col1Ave (4 peaks):				527.1	Total Col2Ave (4 peaks):				498.4 RPD = 6
	Corrected Ave (3 peaks):				466.9	Corrected Ave (3 peaks):				427.8 RPD = 9
Aroclor-1254	1	9.301	-0.020	159376	388.8	1	9.454	-0.013	81055	476.6
Aroclor-1254	2	9.421	0.020	8748	54.9	2	9.972	-0.015	35211	257.5
Aroclor-1254	3	9.672	-0.022	97355	376.0	3	10.120	-0.020	140113	476.8
Aroclor-1254	4	9.801	-0.029	210999	418.1	4	10.358	-0.031	151924	499.2
Aroclor-1254	5	10.140	-0.049	201639	582.9	5	10.569	-0.018	81705	556.6
	Total Col1Ave (5 peaks):				364.2	Total Col2Ave (5 peaks):				453.3 RPD = 22
	Corrected Ave (4 peaks):				309.5	Corrected Ave (4 peaks):				427.5 RPD = 32
Aroclor-1260	1	11.046	-0.016	38652	228.3	1	11.658	-0.012	41903	251.9
Aroclor-1260	2	11.362	-0.016	33673	192.3	2	11.918	-0.014	67136	160.8
Aroclor-1260	3	11.731	-0.021	82258	178.8	3	12.438	-0.013	20969	188.6
Aroclor-1260	4	12.131	-0.028	54191	231.3	4	12.501	-0.015	48888	175.7
Aroclor-1260	5	12.247	-0.014	24377	254.1	NS	---			----
	Total Col1Ave (5 peaks):				216.9	Total Col2Ave (4 peaks):				194.2 RPD = 11
	Corrected Ave (4 peaks):				207.6	Corrected Ave (3 peaks):				175.0 RPD = 17
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 3999130 Col1 Total PCB = 0.9 ppm*

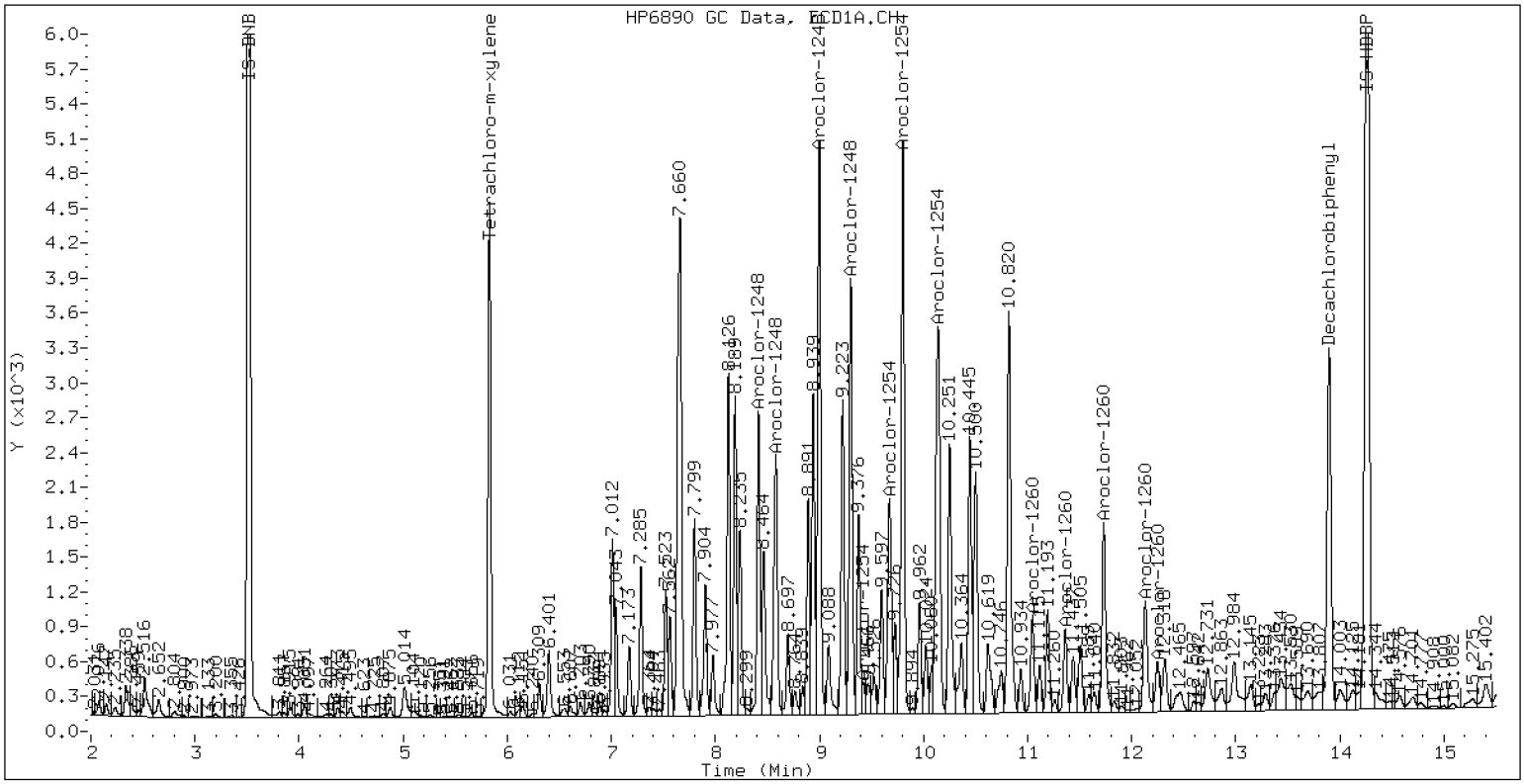
Total PCB Area Col2 (5.813 - 14.037) = 2618298 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

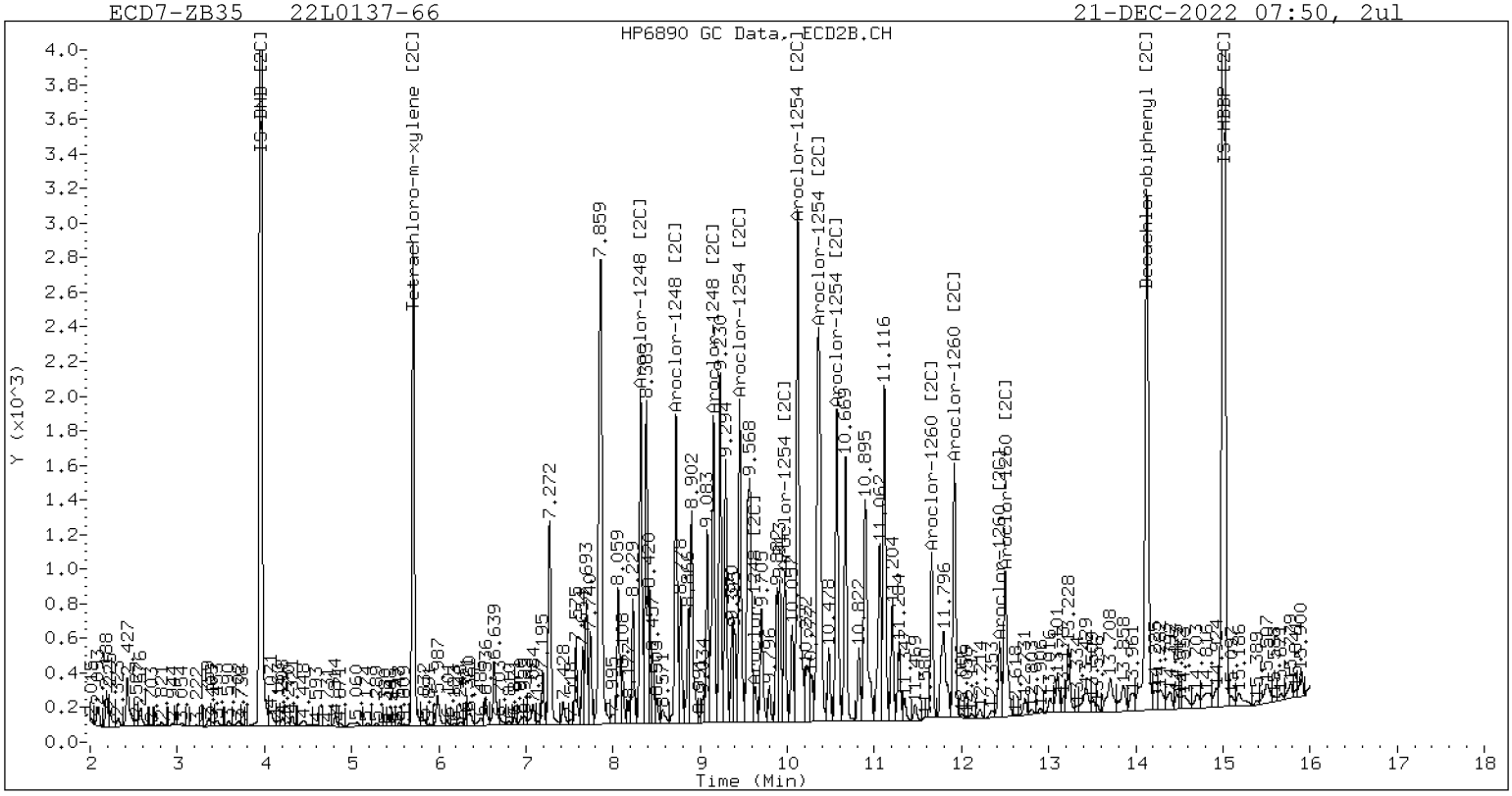
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-66 21-DEC-2022 07:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-66 21-DEC-2022 07:50, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769I

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-67 B	File ID:	12202256ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:12
% Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.47 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	107	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	94.7	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	66.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9964*	*8.14*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9964*	*5.28*	*66.0*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202256ECD7.D
Data file 2: /221220.b/221220.b/12202256ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-67
Client ID:
Injection Date: 21-DEC-2022 08:12
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	173913	5.708	-0.006	107842	26.4	29.7	11.7	Tetrachloro-m-xylene
13.896	-0.012	167313	14.128	-0.009	164211	40.7	37.7	7.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	464666	3.8
Hexabromobiphenyl	798898	448343	-43.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	264888	6.3
Hexabromobiphenyl	362541	306675	-15.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.014	118734	594.3	1	8.317	-0.009	84348	779.5
Aroclor-1248	2	8.580	-0.024	116771	457.8	2	8.723	-0.009	85922	754.9
Aroclor-1248	3	8.997	-0.025	254227	554.0	3	9.154	-0.023	90533	653.9
Aroclor-1248	4	9.301	-0.010	207159	921.5	4	9.633	0.031	12257	75.4
		Total Col1Ave (4 peaks):			631.9		Total Col2Ave (4 peaks):			565.9 RPD = 11
		Corrected Ave (3 peaks):			535.4		Corrected Ave (3 peaks):			494.8 RPD = 8
Aroclor-1254	1	9.301	-0.020	207159	506.3	1	9.455	-0.012	109580	641.6
Aroclor-1254	2	9.421	0.019	9721	61.1	2	9.972	-0.014	46077	335.6
Aroclor-1254	3	9.672	-0.022	120389	465.9	3	10.120	-0.019	190343	644.9
Aroclor-1254	4	9.801	-0.029	269999	536.0	4	10.363	-0.026	204343	668.5
Aroclor-1254	5	10.139	-0.051	276060	799.5	5	10.569	-0.017	120822	819.6
		Total Col1Ave (5 peaks):			473.8		Total Col2Ave (5 peaks):			622.0 RPD = 27
		Corrected Ave (4 peaks):			392.3		Corrected Ave (4 peaks):			572.7 RPD = 37
Aroclor-1260	1	11.047	-0.015	61302	375.6	1	11.659	-0.011	61783	381.7
Aroclor-1260	2	11.360	-0.017	50945	301.8	2	11.919	-0.014	109262	269.0
Aroclor-1260	3	11.731	-0.021	130120	293.4	3	12.438	-0.013	32715	302.4
Aroclor-1260	4	12.131	-0.028	77313	342.3	4	12.502	-0.014	75674	279.5
Aroclor-1260	5	12.246	-0.015	32218	348.5	NS	---			----
		Total Col1Ave (5 peaks):			332.3		Total Col2Ave (4 peaks):			308.1 RPD = 8
		Corrected Ave (4 peaks):			321.5		Corrected Ave (3 peaks):			283.6 RPD = 13
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 6421437 Col1 Total PCB = 1.4 ppm*

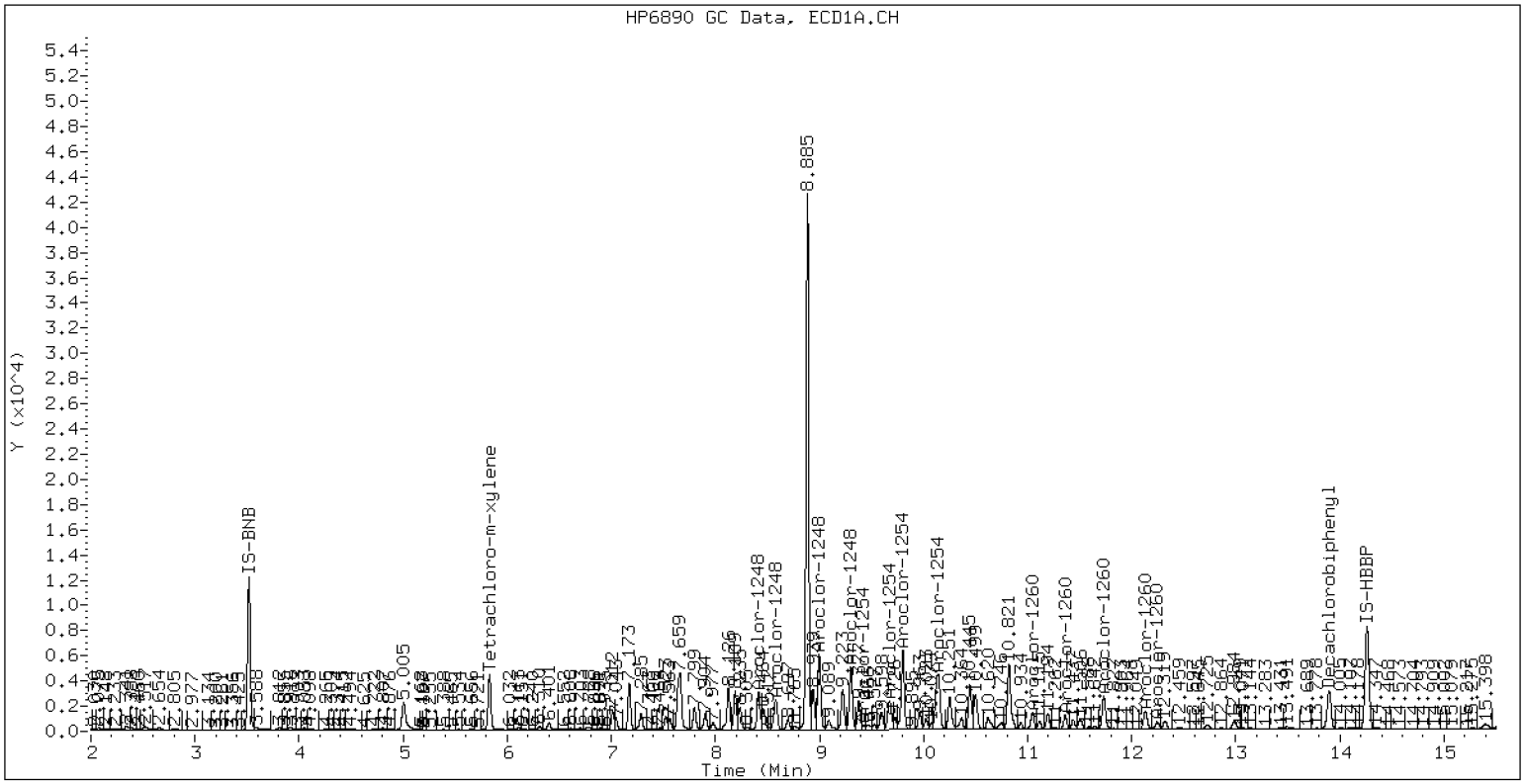
Total PCB Area Col2 (5.813 - 14.037) = 3808660 Col2 Total PCB = 1.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

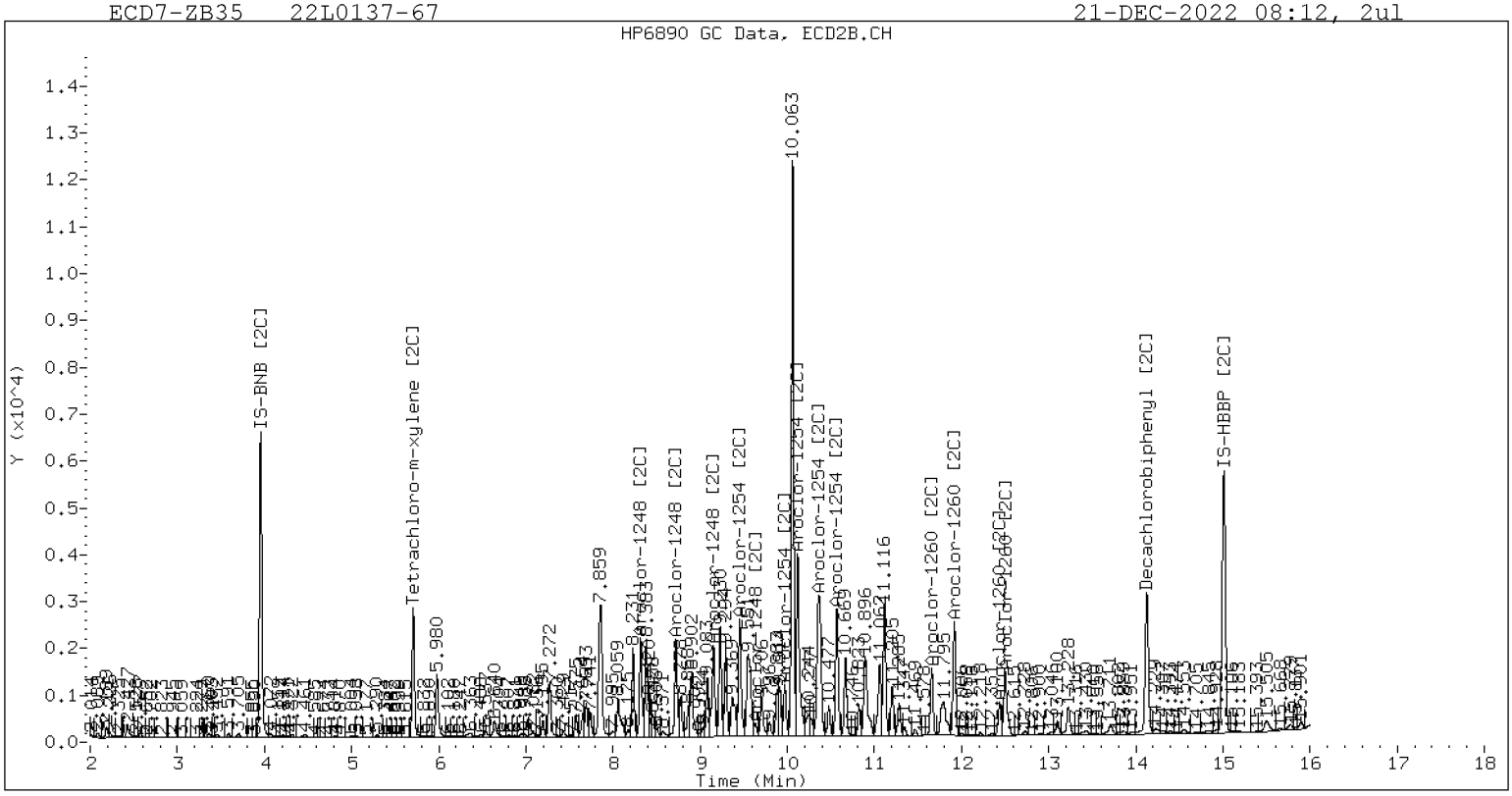
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-67 21-DEC-2022 08:12, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-67 21-DEC-2022 08:12, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

LDW22-SC769J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-68 B	File ID:	12202257ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:33
% Solids:	64.96	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.29 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	144	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	116	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	67.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9803*	*8.21*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9803*	*5.41*	*67.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202257ECD7.D
Data file 2: /221220.b/221220.b/12202257ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-68
Client ID:
Injection Date: 21-DEC-2022 08:33
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	179975	5.707	-0.006	110209	27.1	30.1	10.5	Tetrachloro-m-xylene
13.896	-0.011	166913	14.128	-0.009	164352	41.2	38.1	7.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	468786	4.7
Hexabromobiphenyl	798898	442276	-44.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	267076	7.2
Hexabromobiphenyl	362541	304152	-16.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.414	-0.013	156993	778.9	1	8.317	-0.009	134448	1232.3
Aroclor-1248	2	8.580	-0.024	176459	685.7	2	8.723	-0.010	113689	990.7
Aroclor-1248	3	8.997	-0.025	323579	698.9	3	9.154	-0.024	113333	811.9
Aroclor-1248	4	9.301	-0.010	230088	1014.5	4	9.632	0.030	14384	87.8
		Total Col1Ave (4 peaks):			794.5		Total Col2Ave (4 peaks):			780.7 RPD = 2
		Corrected Ave (3 peaks):			721.2		Corrected Ave (3 peaks):			630.1 RPD = 13
Aroclor-1254	1	9.301	-0.020	230088	557.4	1	9.454	-0.013	115183	668.9
Aroclor-1254	2	9.376	-0.025	116387	725.1	2	9.972	-0.015	40982	296.0
Aroclor-1254	3	9.672	-0.022	115501	443.1	3	10.119	-0.020	208526	700.7
Aroclor-1254	4	9.801	-0.029	304215	598.7	4	10.360	-0.029	219821	713.3
Aroclor-1254	5	10.138	-0.051	297006	852.6	5	10.569	-0.017	122345	823.1
		Total Col1Ave (5 peaks):			635.4		Total Col2Ave (5 peaks):			640.4 RPD = 1
		Corrected Ave (4 peaks):			581.1		Corrected Ave (4 peaks):			594.7 RPD = 2
Aroclor-1260	1	11.047	-0.015	62496	388.2	1	11.659	-0.010	59671	371.7
Aroclor-1260	2	11.360	-0.017	48673	292.3	2	11.919	-0.014	103965	258.1
Aroclor-1260	3	11.731	-0.020	122476	279.9	3	12.438	-0.013	34140	318.2
Aroclor-1260	4	12.131	-0.028	73181	328.5	4	12.501	-0.015	74945	279.1
Aroclor-1260	5	12.247	-0.014	35503	389.3	NS	---			----
		Total Col1Ave (5 peaks):			335.6		Total Col2Ave (4 peaks):			306.8 RPD = 9
		Corrected Ave (4 peaks):			322.2		Corrected Ave (3 peaks):			285.1 RPD = 12
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 5927126 Col1 Total PCB = 1.3 ppm*

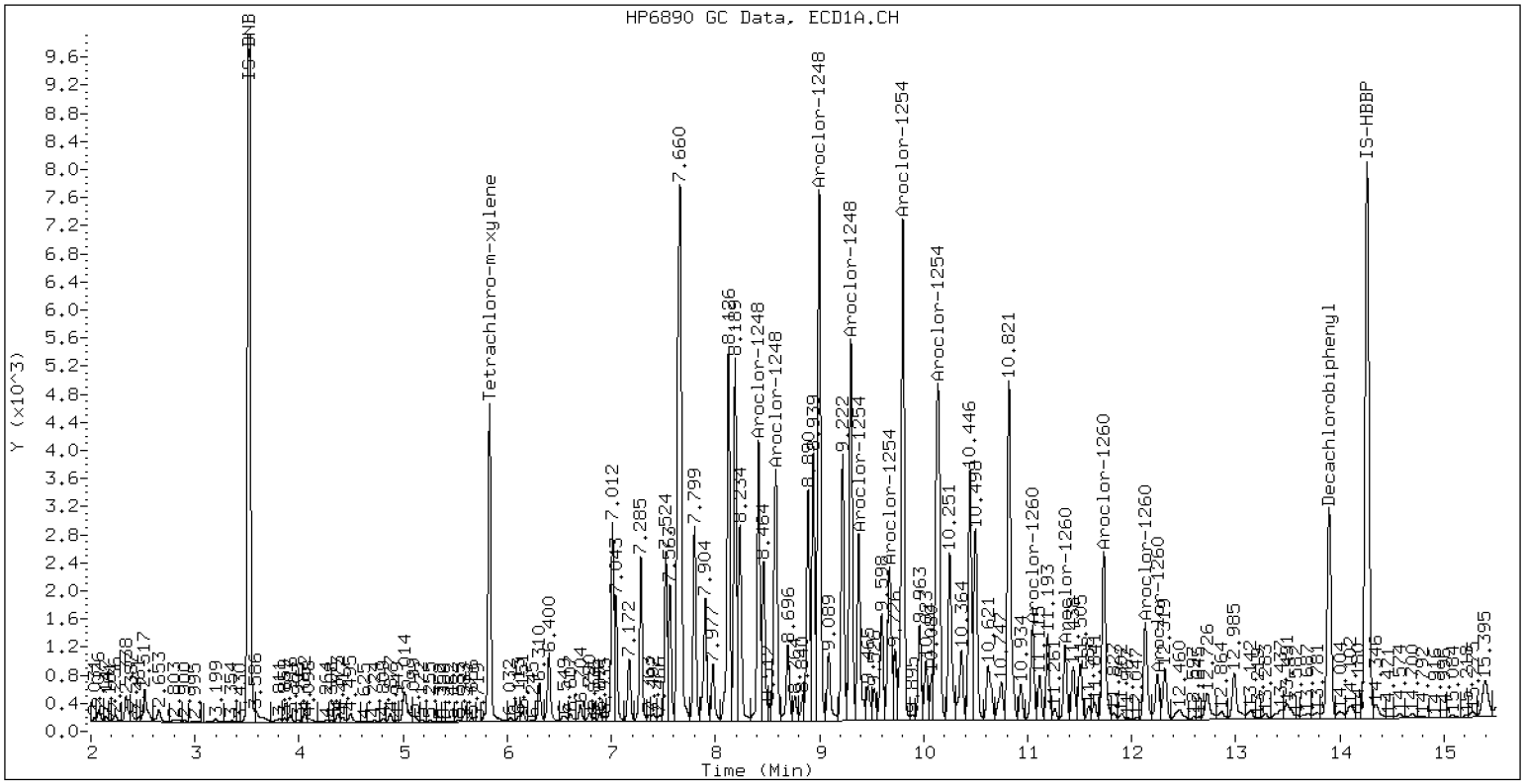
Total PCB Area Col2 (5.813 - 14.037) = 3927631 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

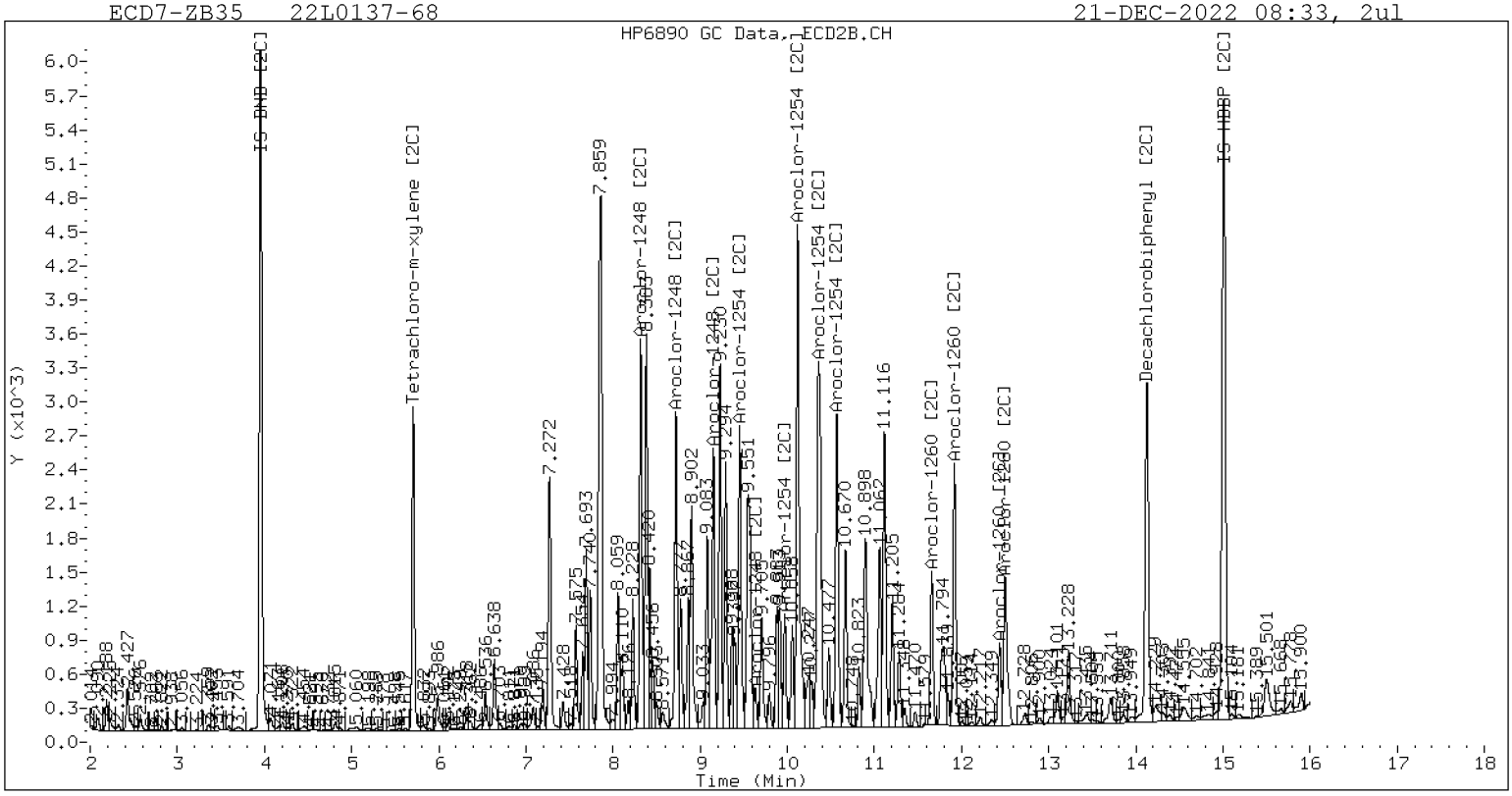
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-68 21-DEC-2022 08:33, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-68 21-DEC-2022 08:33, 2ul



ZB-35 Manual Integration: NO

Dual Column

LDW22-SC769J

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-68RE1 B	File ID:	12222219ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 22:12
% Solids:	64.96	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.29 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	202	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	170	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	67.7	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9803*	*8.38*	*105*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9803*	*6.12*	*76.7*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222219ECD7.D
Data file 2: /221222.b/221222.b/12222219ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-68RE1
Client ID:
Injection Date: 22-DEC-2022 22:12
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.003	42715	5.706	-0.007	24319	6.1	6.3	3.1	Tetrachloro-m-xylene
13.898	-0.006	55665	14.127	-0.010	40585	8.4	7.0	18.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	490966	9.7
Hexabromobiphenyl	798898	722950	-9.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	280220	12.5
Hexabromobiphenyl	362541	408974	12.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.012	45974	217.8	1	8.317	-0.009	35186	307.4
Aroclor-1248	2	8.582	-0.022	53108	197.0	2	8.723	-0.009	28568	237.3
Aroclor-1248	3	9.000	-0.022	92890	191.6	3	9.156	-0.021	31140	212.6
Aroclor-1248	4	9.303	-0.008	70010	294.7	4	9.633	0.031	4689	27.3
		Total Col1Ave (4 peaks):			225.3		Total Col2Ave (4 peaks):			196.1 RPD = 14
		Corrected Ave (3 peaks):			202.1		Corrected Ave (3 peaks):			159.1 RPD = 24
Aroclor-1254	1	9.303	-0.018	70010	162.0	1	9.455	-0.012	32156	178.0
Aroclor-1254	2	9.379	-0.023	36920	219.6	2	9.973	-0.014	11616	80.0
Aroclor-1254	3	9.675	-0.019	33741	123.6	3	10.121	-0.018	56414	180.7
Aroclor-1254	4	9.804	-0.027	93055	174.9	4	10.368	-0.021	60633	187.5
Aroclor-1254	5	10.143	-0.046	98992	271.3	5	10.570	-0.017	34012	218.1
		Total Col1Ave (5 peaks):			190.3		Total Col2Ave (5 peaks):			168.8 RPD = 12
		Corrected Ave (4 peaks):			170.0		Corrected Ave (4 peaks):			156.5 RPD = 8
Aroclor-1260	1	11.048	-0.008	20638	78.4	1	11.660	-0.009	16110	74.6
Aroclor-1260	2	11.363	-0.011	15745	57.8	2	11.920	-0.013	27206	50.2
Aroclor-1260	3	11.734	-0.013	41467	58.0	3	12.439	-0.013	10636	73.7
Aroclor-1260	4	12.135	-0.013	23978	65.8	4	12.503	-0.014	20150	55.8
Aroclor-1260	5	12.250	-0.009	11820	79.3	NS	---			----
		Total Col1Ave (5 peaks):			67.9		Total Col2Ave (4 peaks):			63.6 RPD = 7
		Corrected Ave (4 peaks):			65.0		Corrected Ave (3 peaks):			59.9 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 1796090 Col1 Total PCB = 0.4 ppm*

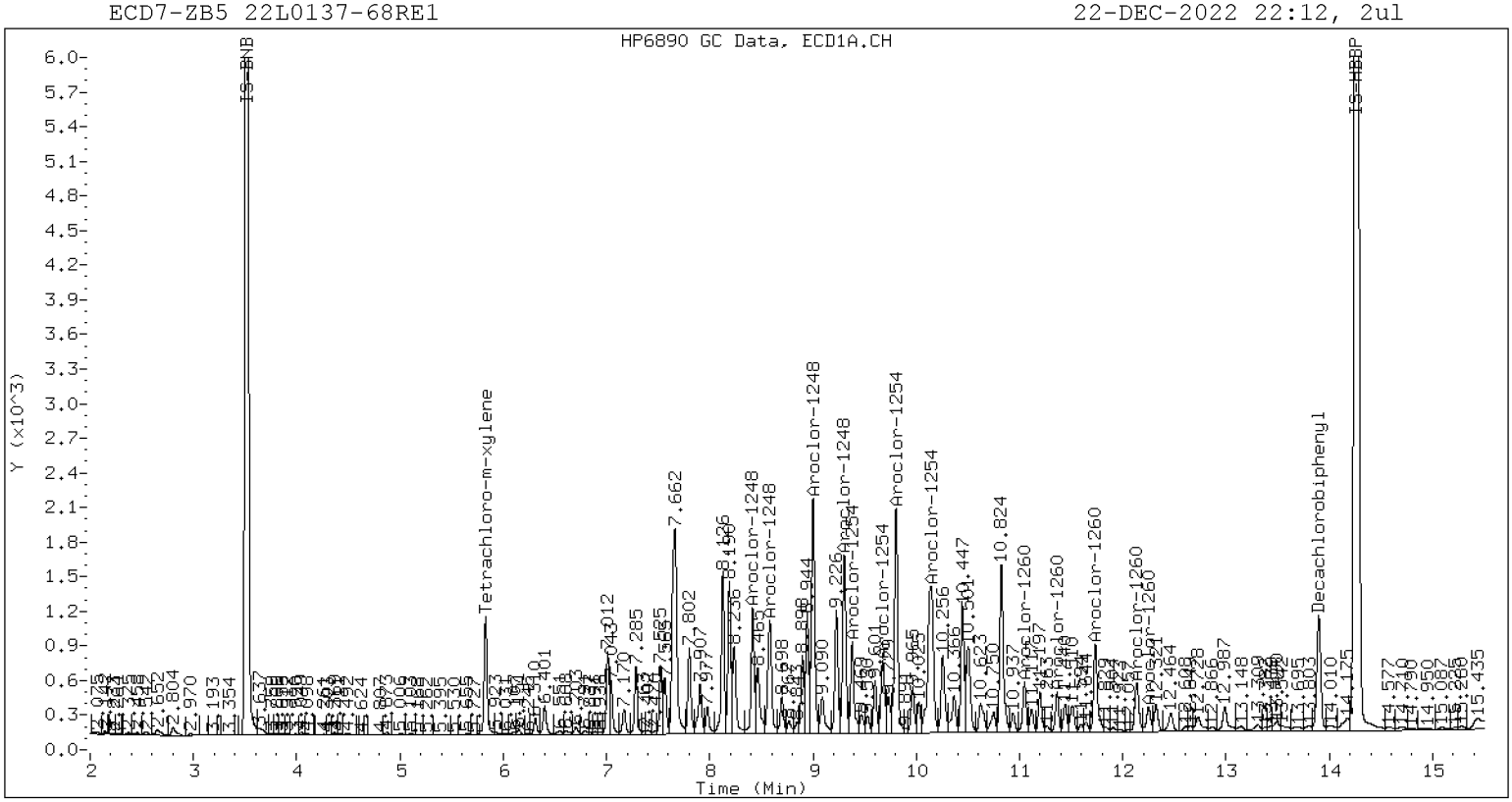
Total PCB Area Col2 (5.813 - 14.037) = 1072382 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

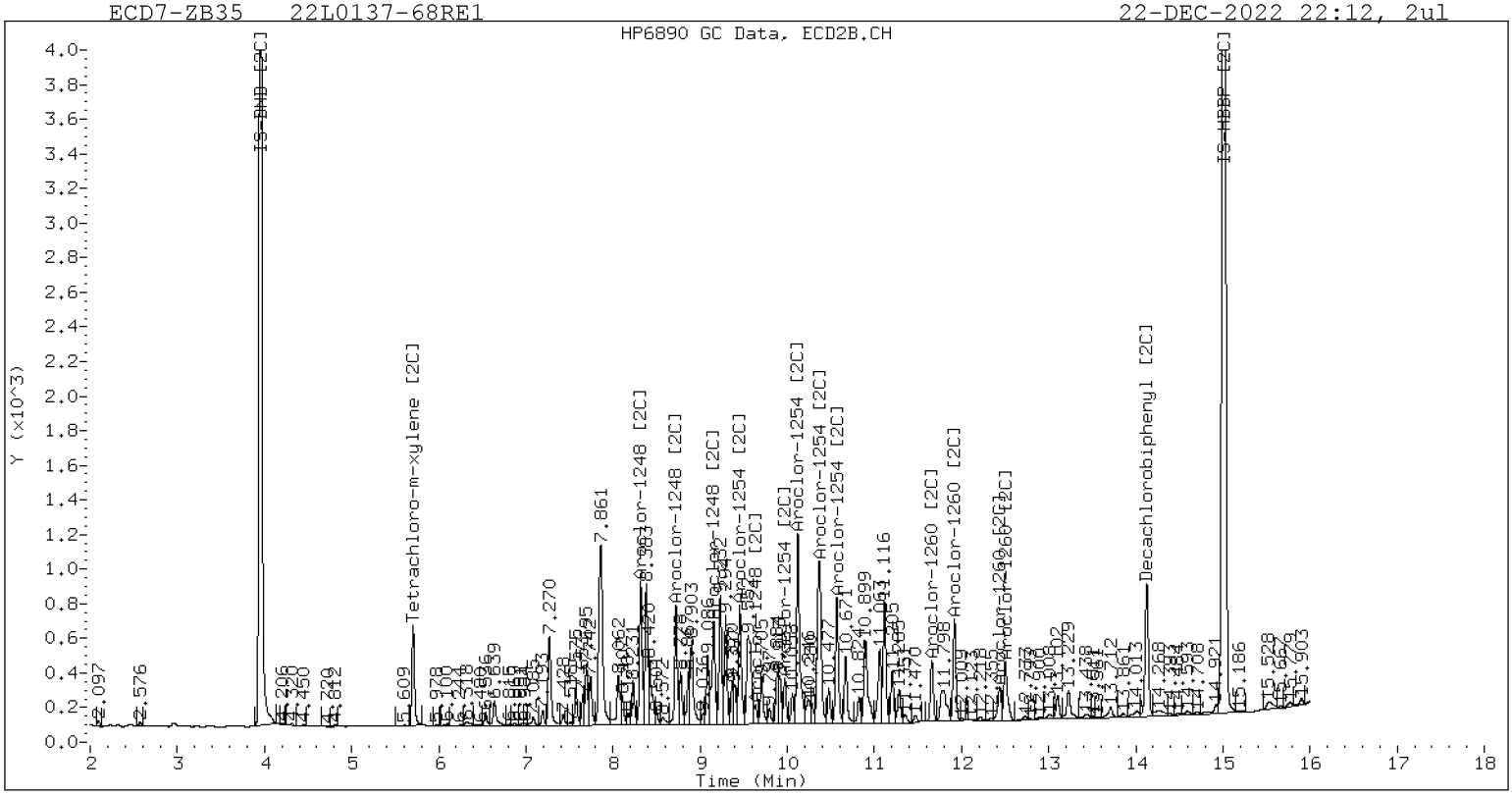
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-68RE1 22-DEC-2022 22:12, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-68RE1 22-DEC-2022 22:12, 2ul



ZB-35 Manual Integration: NO

Dual Column

LDW22-SC769K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-69 B	File ID:	12202258ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:54
% Solids:	71.51	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.49 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	2	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	138	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	198	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	90.6	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9955*	*7.96*	*99.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9955*	*5.01*	*62.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9955*	*7.24*	*90.5*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9955*	*5.82*	*72.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202258ECD7.D
Data file 2: /221220.b/221220.b/12202258ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-69
Client ID:
Injection Date: 21-DEC-2022 08:54
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	165172	5.705	-0.008	104194	25.0	29.1	15.1	Tetrachloro-m-xylene
13.897	-0.010	153103	14.128	-0.009	150208	39.8	36.2	9.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	465324	3.9
Hexabromobiphenyl	798898	419280	-47.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	260844	4.7
Hexabromobiphenyl	362541	292161	-19.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.413	-0.015	147335	736.4	1	8.316	-0.010	122419	1148.8
Aroclor-1248	2	8.580	-0.024	128273	502.2	2	8.722	-0.011	106933	954.1
Aroclor-1248	3	8.998	-0.024	385669	839.3	3	9.153	-0.024	111878	820.6
Aroclor-1248	4	9.302	-0.009	392275	1742.4	4	9.633	0.030	17159	107.2
		Total Col1Ave (4 peaks):			955.1		Total Col2Ave (4 peaks):			757.7 RPD = 23
		Corrected Ave (3 peaks):			692.6		Corrected Ave (3 peaks):			627.3 RPD = 10
Aroclor-1254	1	9.302	-0.019	392275	957.5	1	9.453	-0.014	202396	1203.5
Aroclor-1254	2	9.376	-0.026	165579	1039.2	2	9.971	-0.015	99519	736.0
Aroclor-1254	3	9.671	-0.023	251219	970.8	3	10.120	-0.019	355658	1223.7
Aroclor-1254	4	9.801	-0.029	503656	998.5	4	10.359	-0.030	372143	1236.4
Aroclor-1254	5	10.139	-0.050	498925	1443.0	5	10.569	-0.017	198735	1369.0
		Total Col1Ave (5 peaks):			1081.8		Total Col2Ave (5 peaks):			1153.7 RPD = 6
		Corrected Ave (4 peaks):			991.5		Corrected Ave (4 peaks):			1099.9 RPD = 10
Aroclor-1260	1	11.046	-0.016	80610	528.2	1	11.658	-0.011	102460	664.4
Aroclor-1260	2	11.360	-0.017	64983	411.7	2	11.919	-0.014	149295	385.8
Aroclor-1260	3	11.731	-0.021	165153	398.2	3	12.438	-0.013	43102	418.3
Aroclor-1260	4	12.130	-0.028	103102	488.1	4	12.501	-0.015	103152	399.9
Aroclor-1260	5	12.246	-0.015	37972	439.2	NS	---			----
		Total Col1Ave (5 peaks):			453.1		Total Col2Ave (4 peaks):			467.1 RPD = 3
		Corrected Ave (4 peaks):			434.3		Corrected Ave (3 peaks):			401.3 RPD = 8
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.936 - 13.808) = 7360863 Col1 Total PCB = 1.7 ppm*

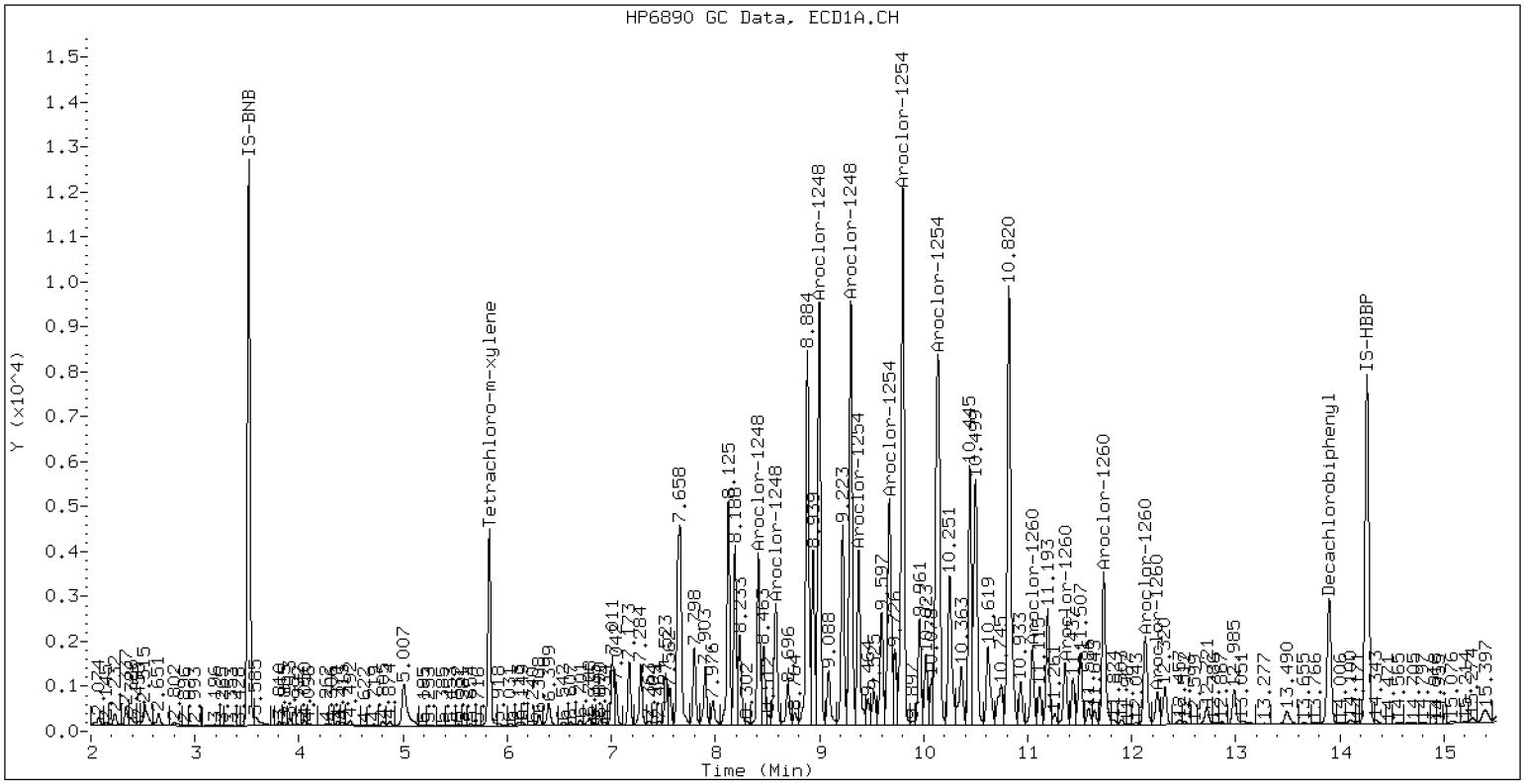
Total PCB Area Col2 (5.813 - 14.037) = 4918725 Col2 Total PCB = 2.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

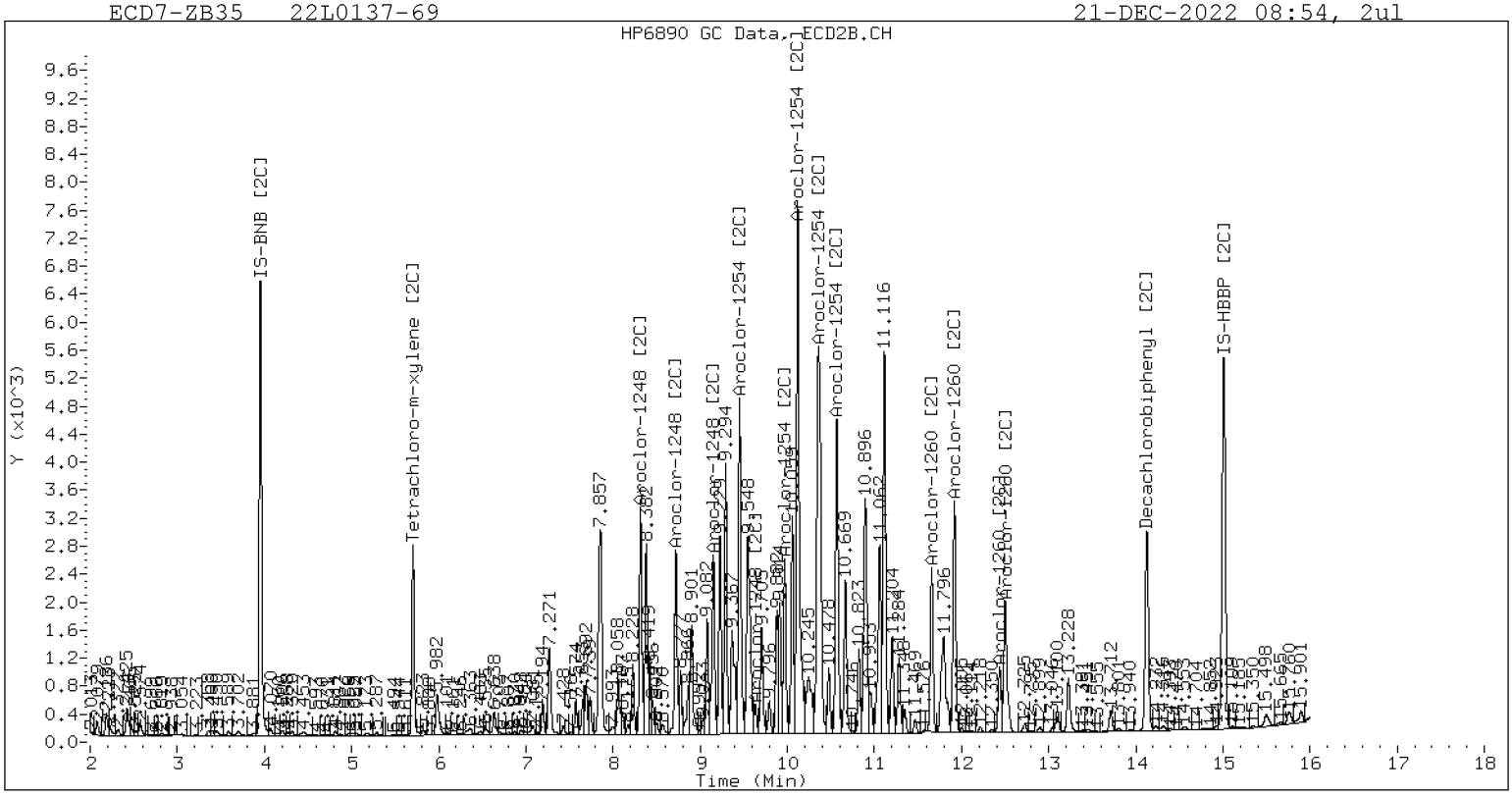
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-69 21-DEC-2022 08:54, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-69 21-DEC-2022 08:54, 2ul



ZB-35 Manual Integration: NO

Dual Column

LDW22-SC769K

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0137-69RE1 B	File ID:	12222220ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 22:34
% Solids:	71.51	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.49 g Wet / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0330	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	181	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	265	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	82.7	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9955*	*7.52*	*94.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9955*	*5.43*	*67.9*	*44 - 120*	

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222220ECD7.D
Data file 2: /221222.b/221222.b/12222220ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 22L0137-69RE1
Client ID:
Injection Date: 22-DEC-2022 22:34
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 5.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	37837	5.707	-0.006	22945	5.4	6.0	9.6	Tetrachloro-m-xylene
13.898	-0.005	48245	14.127	-0.009	36624	7.5	6.3	17.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	491378	9.8
Hexabromobiphenyl	798898	699188	-12.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	279800	12.3
Hexabromobiphenyl	362541	408079	12.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	8.415	-0.013	41016	194.1	1	8.318	-0.009	31017	271.4
Aroclor-1248	2	8.584	-0.021	36468	135.2	2	8.722	-0.010	25864	215.1
Aroclor-1248	3	9.001	-0.021	104766	215.9	3	9.157	-0.021	28916	197.7
Aroclor-1248	4	9.303	-0.008	109091	458.9	4	9.634	0.032	5186	30.2
		Total Col1Ave (4 peaks):			251.0		Total Col2Ave (4 peaks):			178.6 RPD = 34
		Corrected Ave (3 peaks):			181.7		Corrected Ave (3 peaks):			147.7 RPD = 21
Aroclor-1254	1	9.303	-0.018	109091	252.1	1	9.455	-0.012	51892	287.6
Aroclor-1254	2	9.379	-0.023	48856	290.4	2	9.973	-0.014	25436	175.4
Aroclor-1254	3	9.673	-0.022	68106	249.2	3	10.121	-0.018	89916	288.4
Aroclor-1254	4	9.804	-0.027	143391	269.2	4	10.367	-0.022	95874	296.9
Aroclor-1254	5	10.145	-0.045	154141	422.2	5	10.571	-0.016	51806	332.7
		Total Col1Ave (5 peaks):			296.6		Total Col2Ave (5 peaks):			276.2 RPD = 7
		Corrected Ave (4 peaks):			265.2		Corrected Ave (4 peaks):			262.1 RPD = 1
Aroclor-1260	1	11.048	-0.008	24901	97.8	1	11.660	-0.010	25677	119.2
Aroclor-1260	2	11.362	-0.012	18983	72.1	2	11.919	-0.013	36995	68.4
Aroclor-1260	3	11.732	-0.014	53061	76.7	3	12.438	-0.013	12804	89.0
Aroclor-1260	4	12.134	-0.014	30672	87.1	4	12.503	-0.014	25959	72.0
Aroclor-1260	5	12.249	-0.010	11551	80.1	NS	---			----
		Total Col1Ave (5 peaks):			82.8		Total Col2Ave (4 peaks):			87.2 RPD = 5
		Corrected Ave (4 peaks):			79.0		Corrected Ave (3 peaks):			76.5 RPD = 3
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 2048235 Col1 Total PCB = 0.4 ppm*

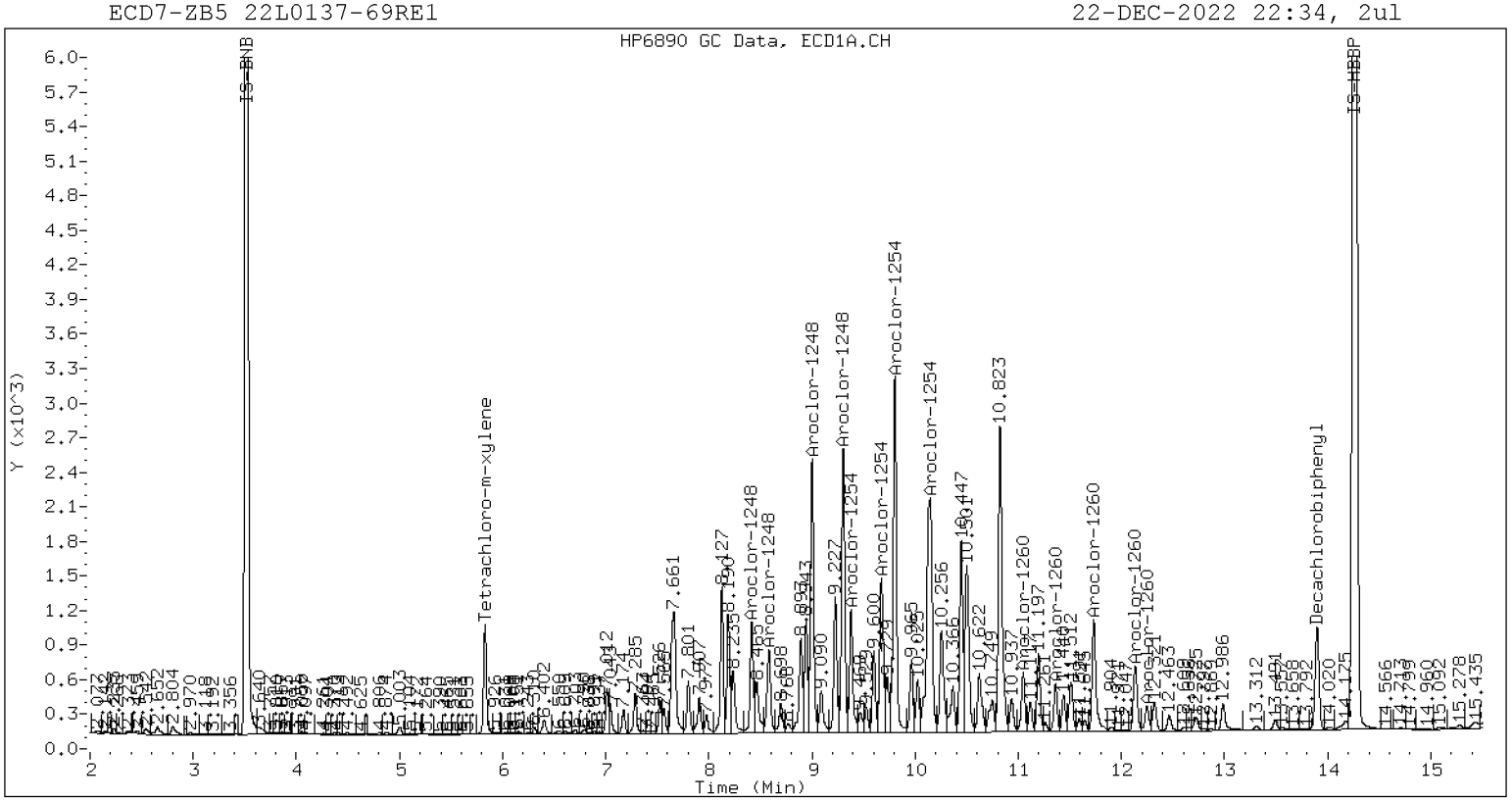
Total PCB Area Col2 (5.813 - 14.037) = 1252774 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

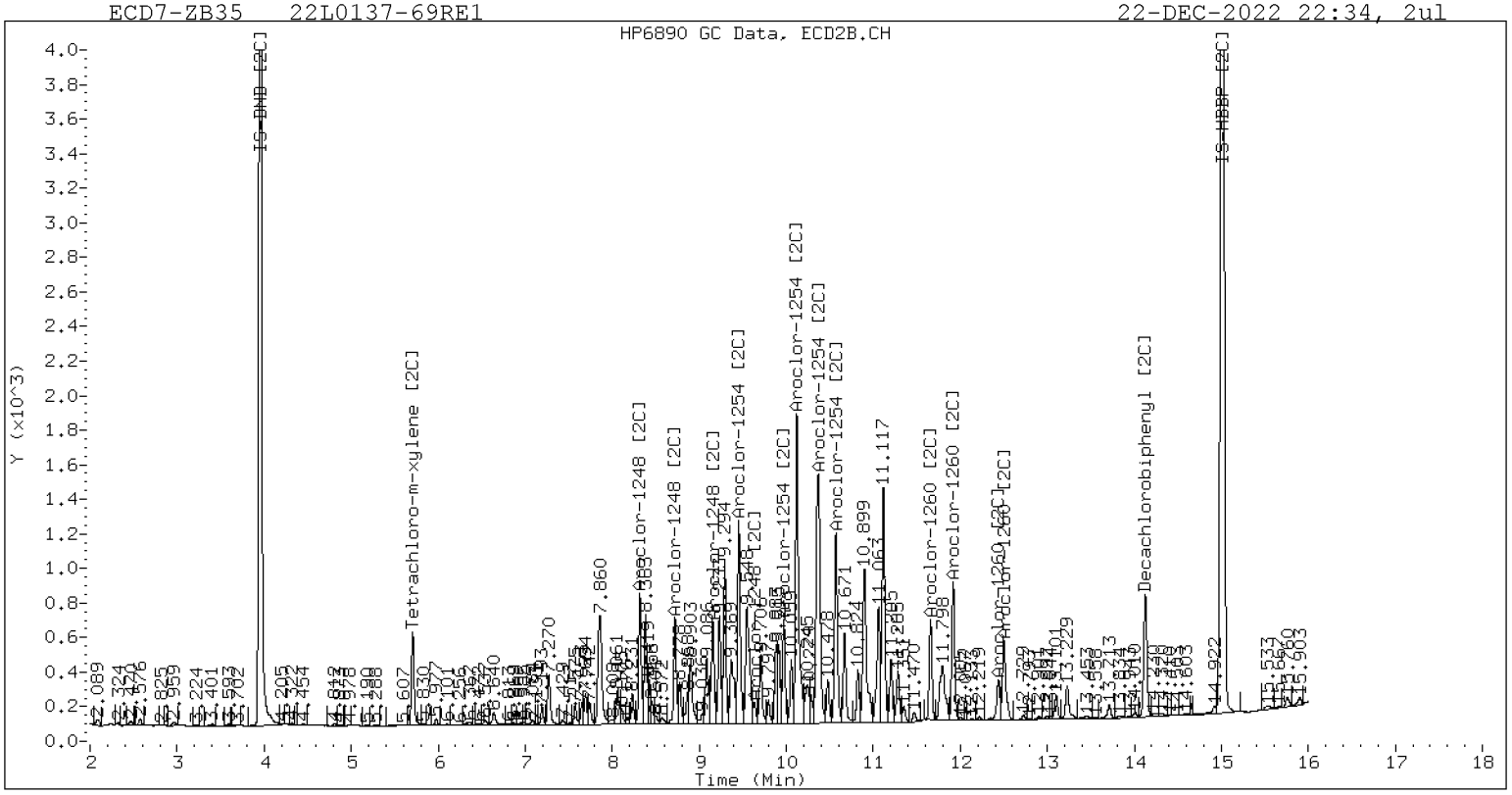
PCB Dual Column Chromatograms

ECD7-ZB5 22L0137-69RE1 22-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0137-69RE1 22-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0197 Batch Matrix: Solid Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT817	22L0137-01	12212243ECD7.D	12/12/22 13:35	
LDW22-IT816	22L0137-02	12212244ECD7.D	12/12/22 13:35	
LDW22-IT815	22L0137-03	12212245ECD7.D	12/12/22 13:35	
LDW22-SC813	22L0137-04	12212246ECD7.D	12/12/22 13:35	
LDW22-SC784B	22L0137-05	12222229ECD7.D	12/12/22 13:35	
LDW22-SC784B-FD	22L0137-06	12222230ECD7.D	12/12/22 13:35	
LDW22-SC784C	22L0137-07	12222231ECD7.D	12/12/22 13:35	
LDW22-SC784D	22L0137-08	12222232ECD7.D	12/12/22 13:35	
LDW22-SC784E	22L0137-09	12212251ECD7.D	12/12/22 13:35	
LDW22-SC784F	22L0137-10	12212252ECD7.D	12/12/22 13:35	
LDW22-SC784G	22L0137-11	12212255ECD7.D	12/12/22 13:35	
LDW22-SC784H	22L0137-12	12212256ECD7.D	12/12/22 13:35	
LDW22-SC784I	22L0137-13	12212257ECD7.D	12/12/22 13:35	
LDW22-SC784J	22L0137-14	12222233ECD7.D	12/12/22 13:35	
LDW22-SC784K	22L0137-15	12222234ECD7.D	12/12/22 13:35	
LDW22-SC784L	22L0137-16	12222235ECD7.D	12/12/22 13:35	
LDW22-SC784M	22L0137-17	12212261ECD7.D	12/12/22 13:35	
LDW22-SC785A	22L0137-18	12212262ECD7.D	12/12/22 13:35	
LDW22-SC785B	22L0137-19	01052390ECD7.D	12/12/22 13:35	
LDW22-SC785C	22L0137-20	12212264ECD7.D	12/12/22 13:35	
Blank	BKL0197-BLK1	12212237ECD7.D	12/12/22 13:35	
LCS	BKL0197-BS1	12212238ECD7.D	12/12/22 13:35	
LCS Dup	BKL0197-BSD1	12212239ECD7.D	12/12/22 13:35	
LDW22-IT816	BKL0197-MS1	12212240ECD7.D	12/12/22 13:35	
LDW22-IT816	BKL0197-MSD1	12212241ECD7.D	12/12/22 13:35	
Reference	BKL0197-SRM1	12212242ECD7.D	12/12/22 13:35	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0197

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/12/22 **Balance ID:** B14646214 **Set Up By:** CTV 12/8/22

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet) Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0137-01 B	78.5	(15.92) 15.97	5mL	5mL	2mL	2.5	1.0	
22L0137-02 B	80.4	(15.55) 15.58	5mL	5mL	2mL	2.5	1.0	
22L0137-03 B	61.7	(20.27) 24.30	5mL	5mL	2mL	2.5	1.0	
22L0137-04 B	40.4	(30.94) 34.97	5mL	5mL	2mL	2.5	1.0	
22L0137-05 B	50.7	(24.65) 24.68	5mL	5mL	2mL	2.5	1.0	
22L0137-06 B	52.1	(23.98) 23.98	5mL	5mL	2mL	2.5	1.0	
22L0137-07 B	52.5	(23.79) 23.81	5mL	5mL	2mL	2.5	1.0	
22L0137-08 B	51.9	(24.09) 24.12	5mL	5mL	2mL	2.5	1.0	
22L0137-09 B	53.3	(23.45) 23.51	5mL	5mL	2mL	2.5	1.0	
22L0137-10 B	54.3	(23.02) 23.09	5mL	5mL	2mL	2.5	1.0	
22L0137-11 B	54.9	(22.78) 22.78	5mL	5mL	2mL	2.5	1.0	
22L0137-12 B	64.9	(19.26) 19.32	5mL	5mL	2mL	2.5	1.0	
22L0137-13 B	63.1	(19.83) 19.86	5mL	5mL	2mL	2.5	1.0	
22L0137-14 B	63.0	(19.84) 19.89	5mL	5mL	2mL	2.5	1.0	
22L0137-15 B	67.3	(18.58) 18.60	5mL	5mL	2mL	2.5	1.0	
22L0137-16 B	60.0	(20.85) 24.85	5mL	5mL	2mL	2.5	1.0	
22L0137-17 B	53.6	(23.32) 23.32	5mL	5mL	2mL	2.5	1.0	
22L0137-18 B	49.4	(25.29) 25.29	5mL	5mL	2mL	2.5	1.0	
22L0137-19 B	48.6	(25.70) 25.77	5mL	5mL	2mL	2.5	1.0	
22L0137-20 B	53.3	(23.46) 23.51	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet) Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0197-BLK1	100.0	(12.50) 12.54	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0197-BS1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0197-BSD1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0197-MS1	80.4	(15.55) 15.56	5mL	5mL	2mL	2.5	1.0	Use 22L0137-02
BKL0197-MSD1	80.4	(15.55) 15.56	5mL	5mL	2mL	2.5	1.0	Use 22L0137-02
BKL0197-SRM1	100.0	~~(12.50)~~ (2.50) 2.50	5mL	5mL	2mL	2.5	1.0	Use K010815

+1g DI WATER

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Client ID Verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time
	12/12/22	LJ	12/20/22	12/12/22 13:35

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0197

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
1 2 3
CT Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 4 5 6
CP 12/14/22
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 4 5
LJ 12/20/22
Analyst/Date

TurboVap
Post Cleanups
1 2 3 4 5
LJ 12/20/22
Analyst/Date

Vialing
LJ 12/20/22
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: CT Date: 12/12/22	
Neutral Glass Wool	KΦ1Φ266
1:1 Hexane/Acetone	KΦ1Φ163
Hexane	KΦΦ831Φ
Anhydrous Sodium Sulfate	KΦ1Φ995
KD Analyst: CP Date: 12/15/22	
Anhydrous Sodium Sulfate	
Hexane	K011373
Vialing Analyst: LJ Date: 12/20/22	
Hexane	K011373
Concentrated Sulfuric Acid	K010384
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K003744
Tetrabutylammonium hydrogensulfate (TBAS)	K011530

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K010600 (V) Exp Date: 1/23/2023	50µL	CT	V
Spike 20µg/mL	1 K008150 (V) Exp Date: 3/5/2023	63µL	G	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0197

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh soil/sed into beakers-lightly dry with sodium sulfate. 2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization. 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool. 7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug. 8. Re-homogenize and rinse with 1:1 Hexane/Acetone. 9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane. 10. KD on 100° bath. 11. Exchange (2 X with 20mL) Hexane. 12. TurboVap. 13. Clean-ups. 14. TurboVap. 15. Vial with Hexane. A. Need Total Solids Y (N) B. Archive/Freeze (Y) N	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

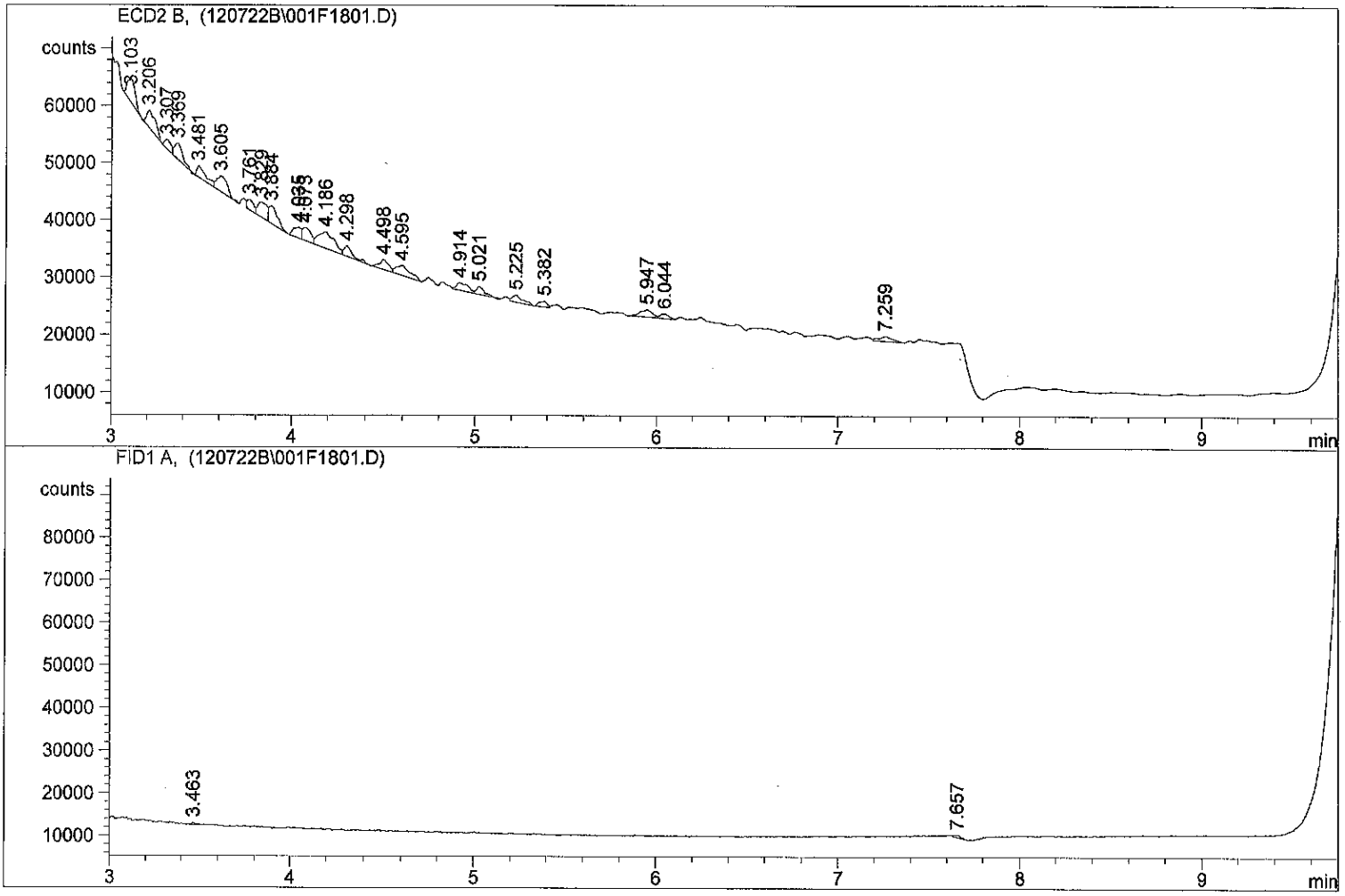
Organic Extractions Laboratory Analyst Notes

Extraction Parameter: BKL0197 PLB Extraction Batch BKL0192

Total Solids Batch: BKL0172 Work Order(s): 22L0137 01-20

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= Φ2.	JJ 12/07/22
☒ Standing Water Decanted (Not shared)= 1Φ, 18, 19.	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☒ Rocks (%+size)? 1 10.0% 4" =Φ1.	JJ 12/07/22
☐ Organics (Leaves/sticks/grass)=	
☒ Oily, obvious fuel/sulfur odors= Φ3-Φ6.Φ7 — 2Φ.	JJ 12/07/22
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☐ Previously Frozen =	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / N	JJ 12/07/22
☒ Multiple Jars Y / N	JJ 12/07/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

Injection Date	: 12/7/2022 10:06:39 PM	Seq. Line	: 18
Sample Name	: DCM RINSE	Location	: Vial 1
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/7/2022 10:21:14 PM        Seq. Line :  19
Sample Name     : PNA STD 10PPM                 Location : Vial 2
Acq. Operator   : YL                               Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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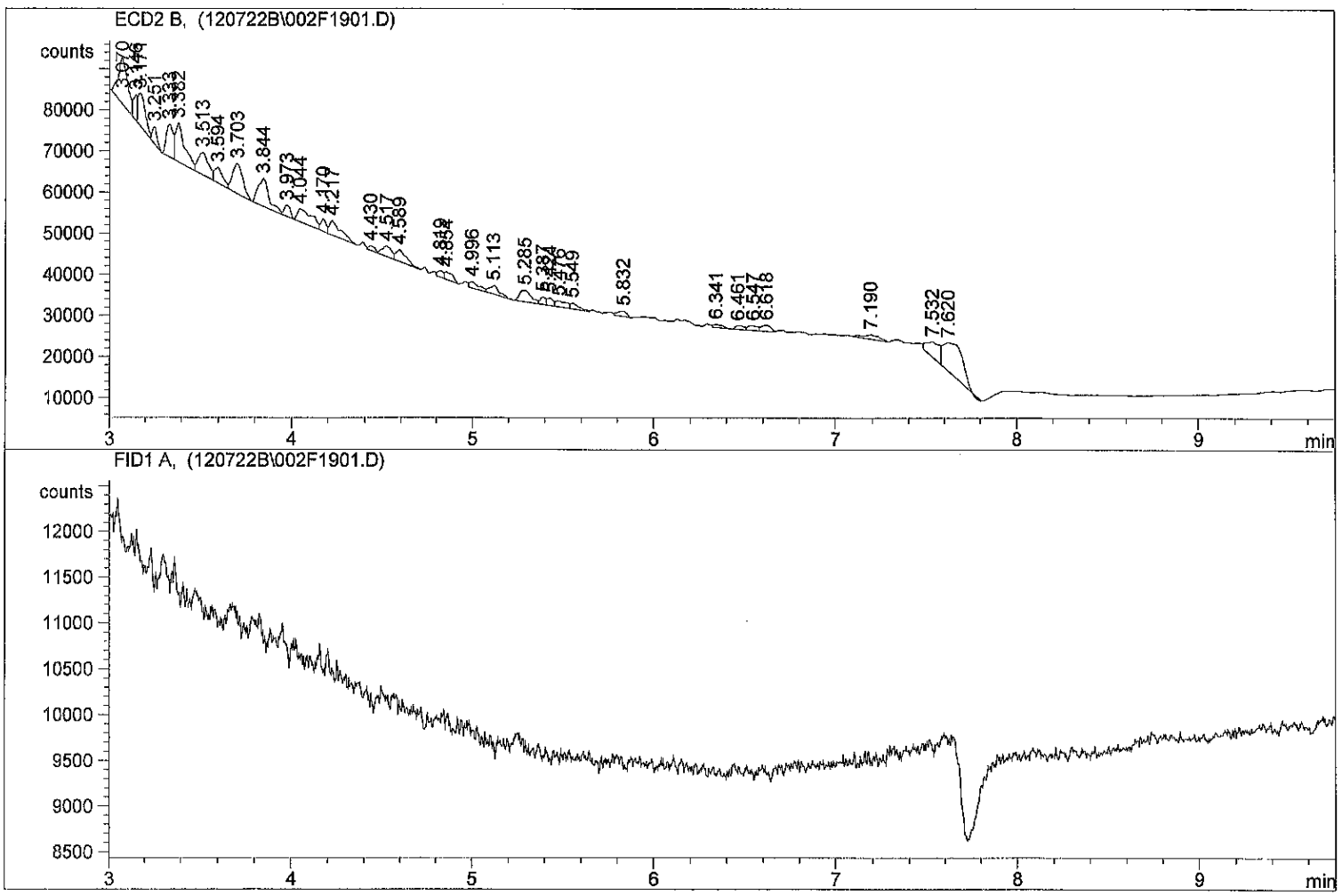

*** End of Report ***

```
==========================================================================
Injection Date  : 12/7/2022 10:34:40 PM          Seq. Line :  20
Sample Name     : AR1660 1PPM                     Location : Vial 3
Acq. Operator   : YL                                 Inj :   1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
==========================================================================
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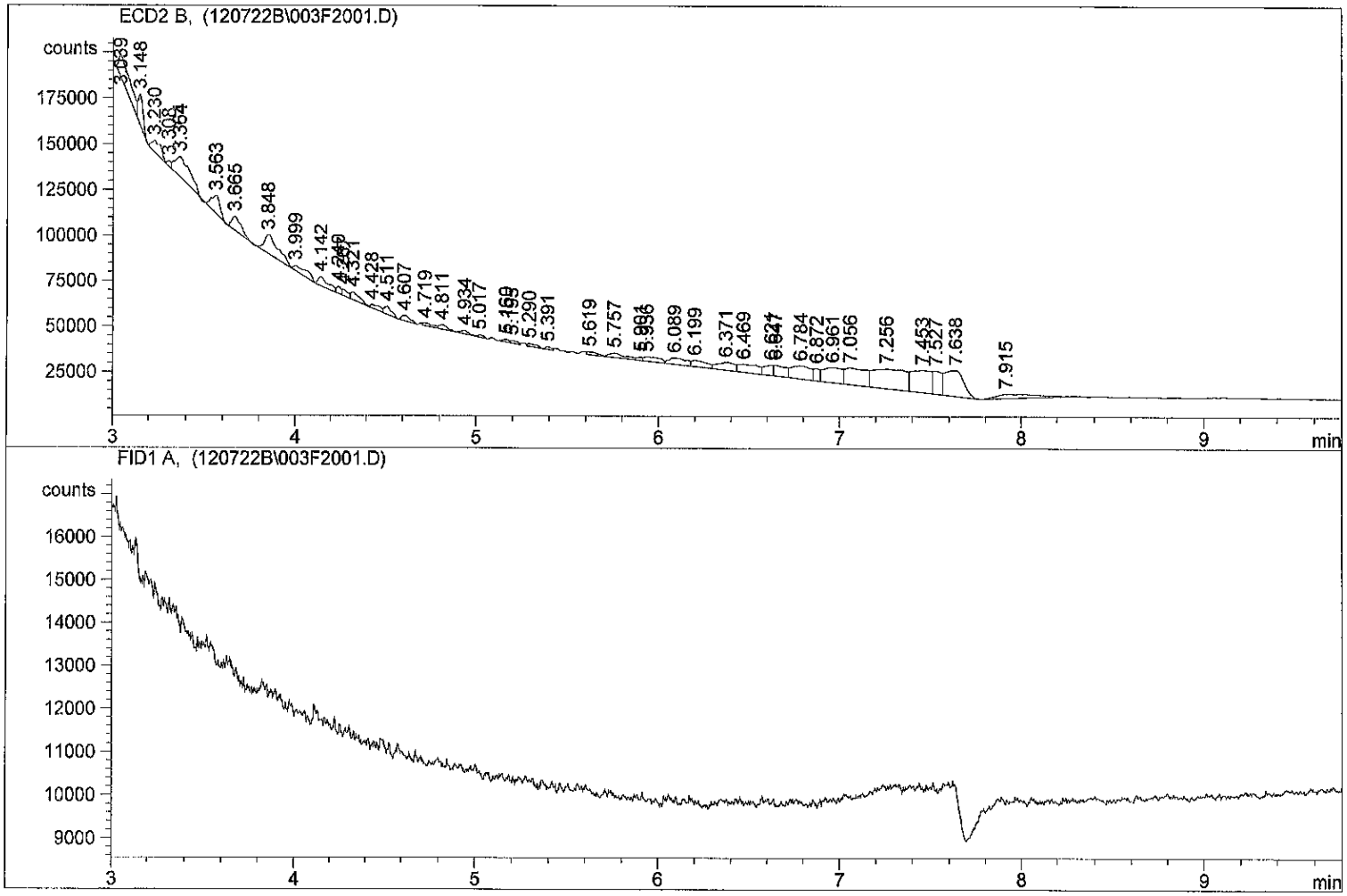
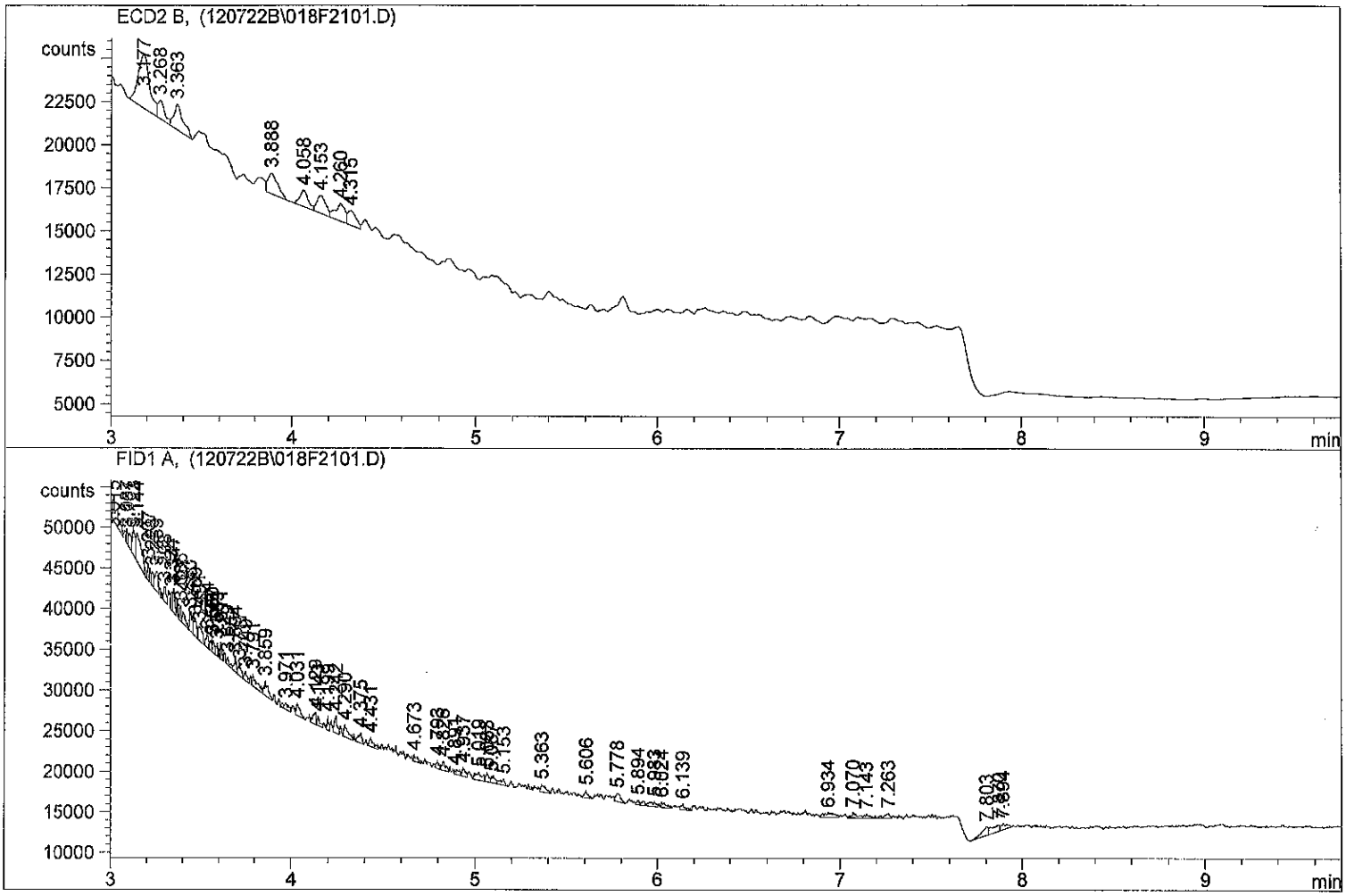


*** End of Report ***

Injection Date : 12/7/2022 10:48:21 PM Seq. Line : 21
Sample Name : 22L0137 01 Location : Vial 18
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

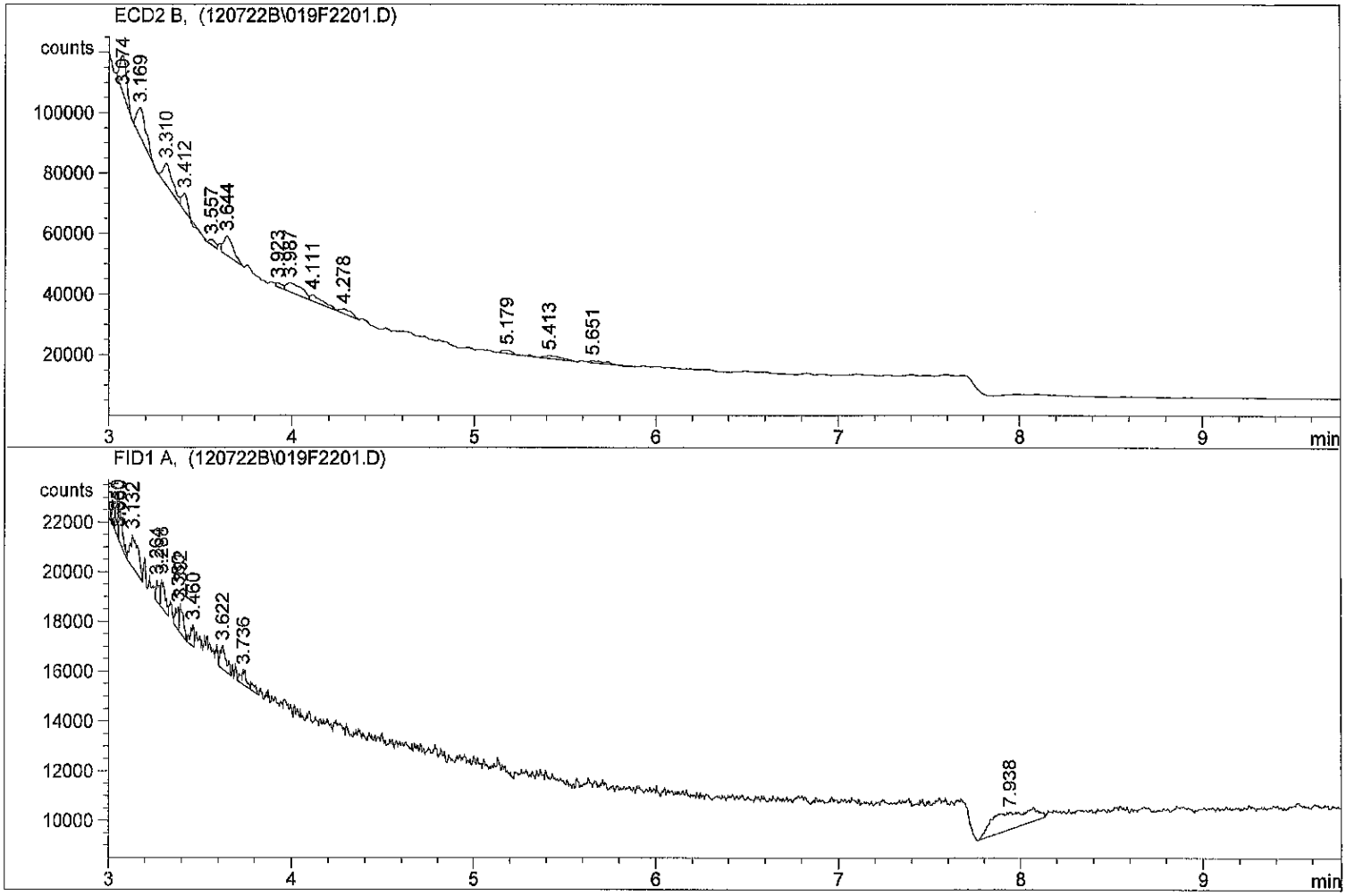
Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date : 12/7/2022 11:01:26 PM Seq. Line : 22
Sample Name : 22L0137 02 Location : Vial 19
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

```
Injection Date  : 12/7/2022 11:16:25 PM        Seq. Line :  23
Sample Name     : 22L0137 03                    Location : Vial 20
Acq. Operator   : YL                               Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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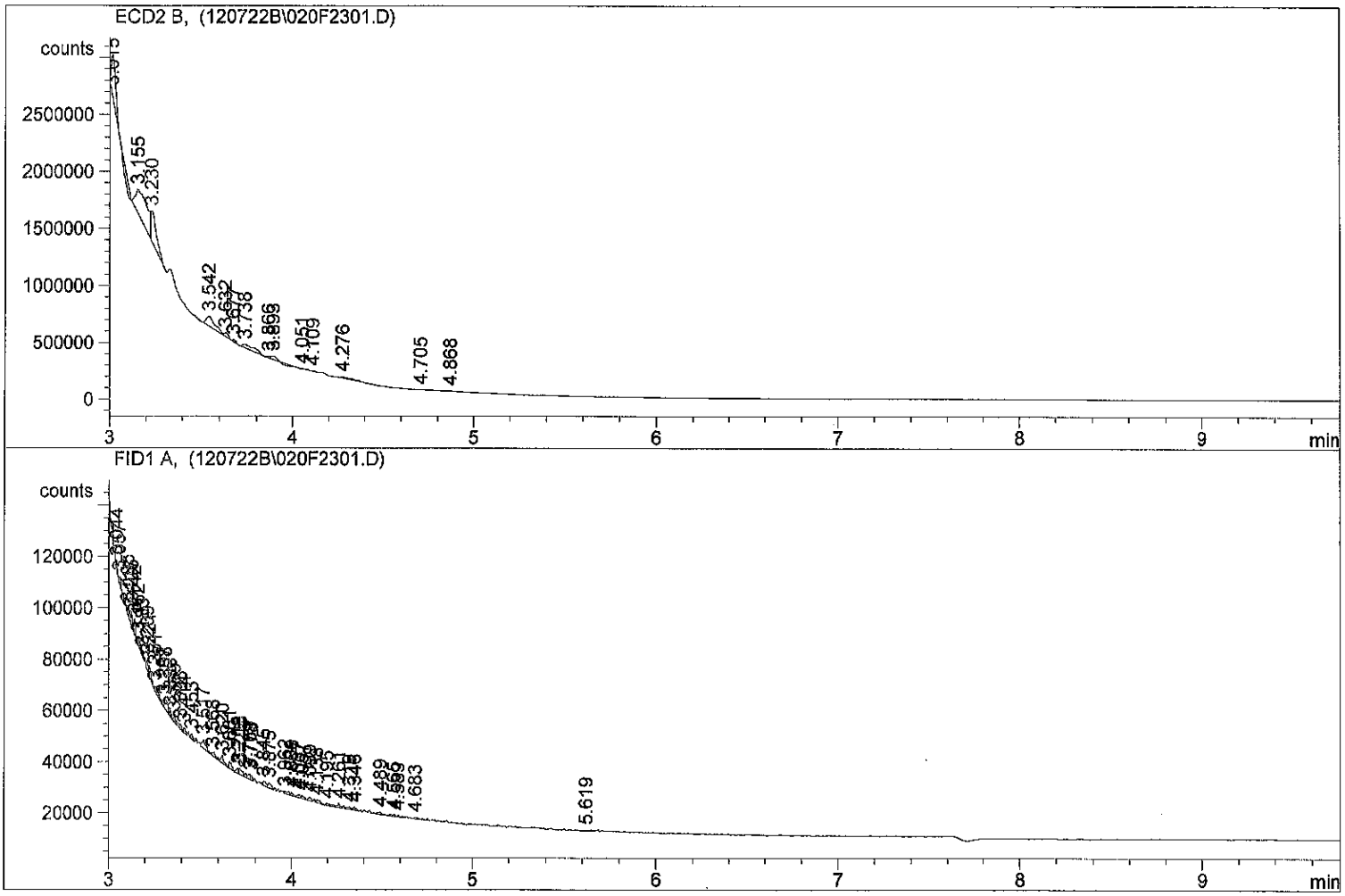
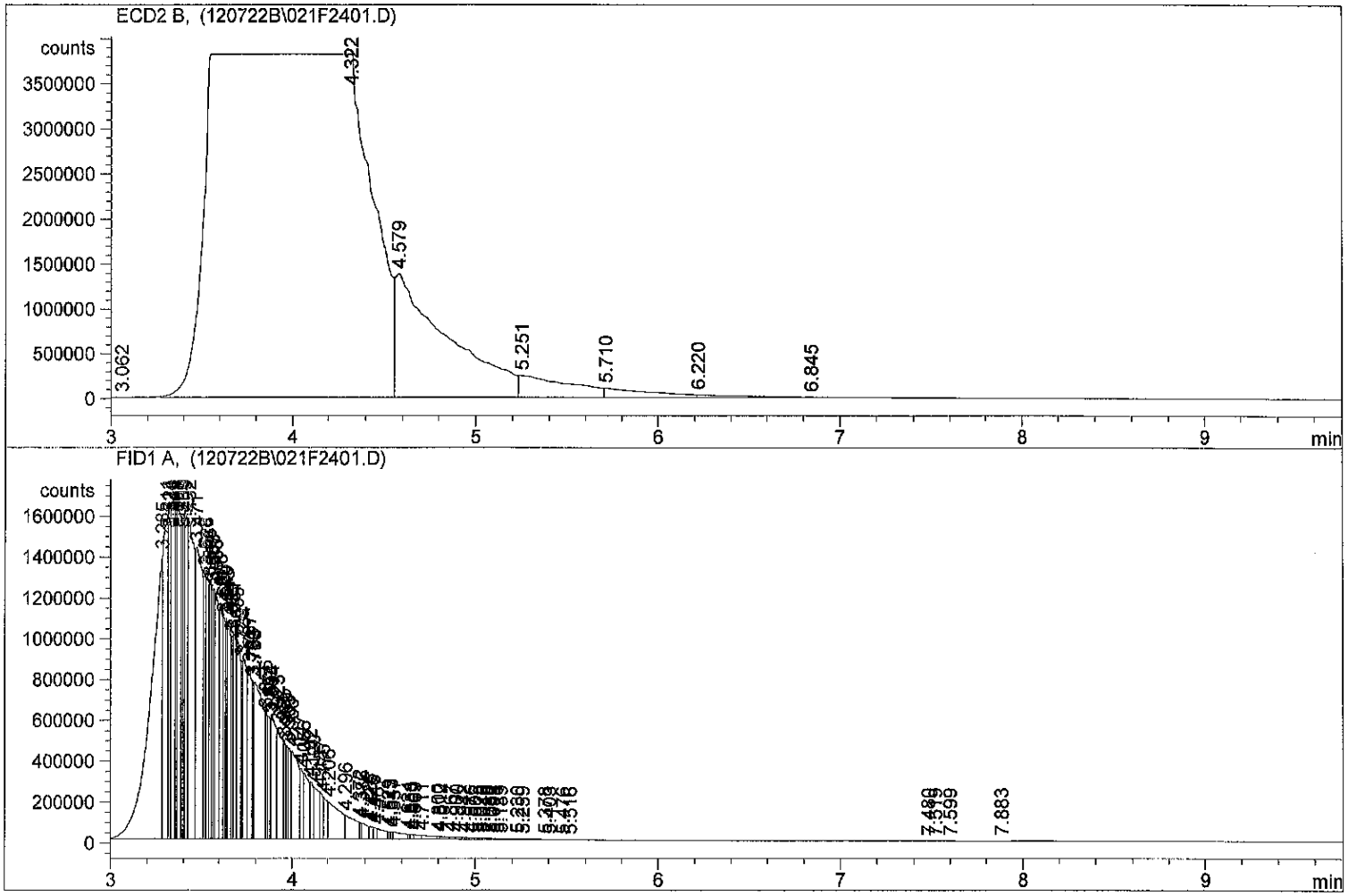


*** End of Report ***

Injection Date : 12/7/2022 11:30:07 PM Seq. Line : 24
Sample Name : 22L0137 04 Location : Vial 21
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

```
==========================================================================
Injection Date  : 12/7/2022 11:44:39 PM        Seq. Line :  25
Sample Name     : 22L0137 05                    Location : Vial 22
Acq. Operator   : YL                               Inj :  1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
==========================================================================
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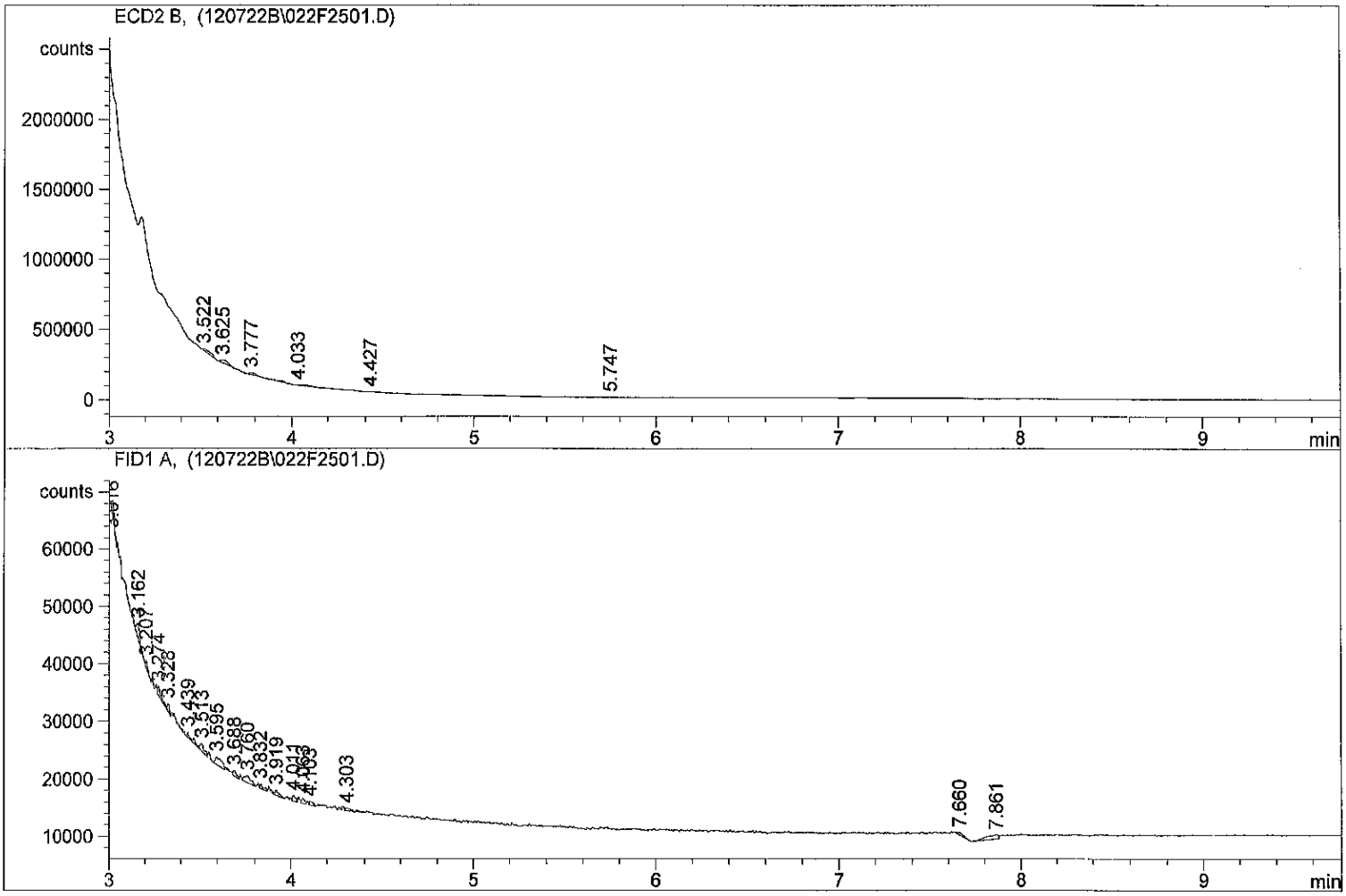
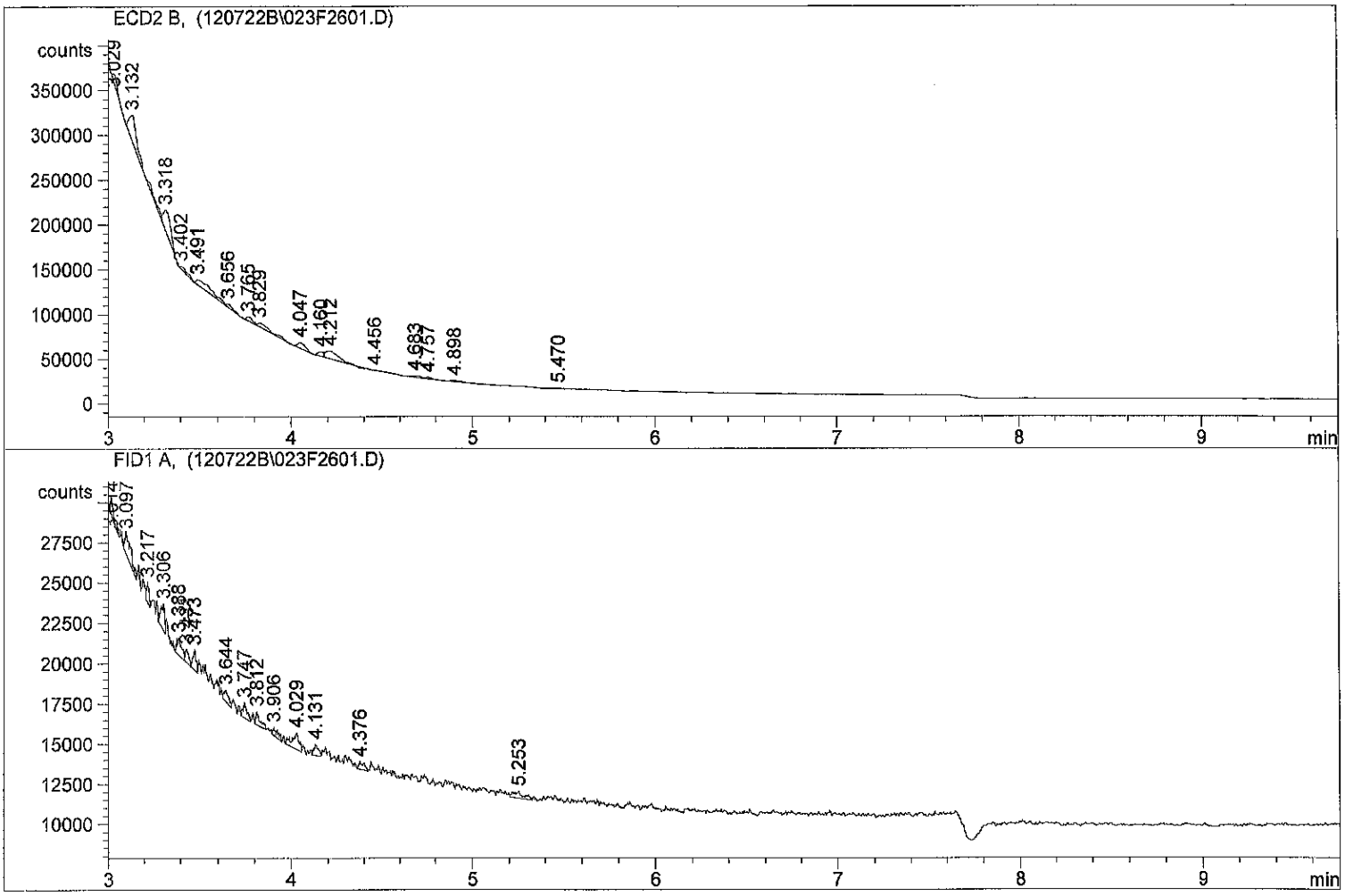


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\023F2601.D Sample Name: 22L0137 06

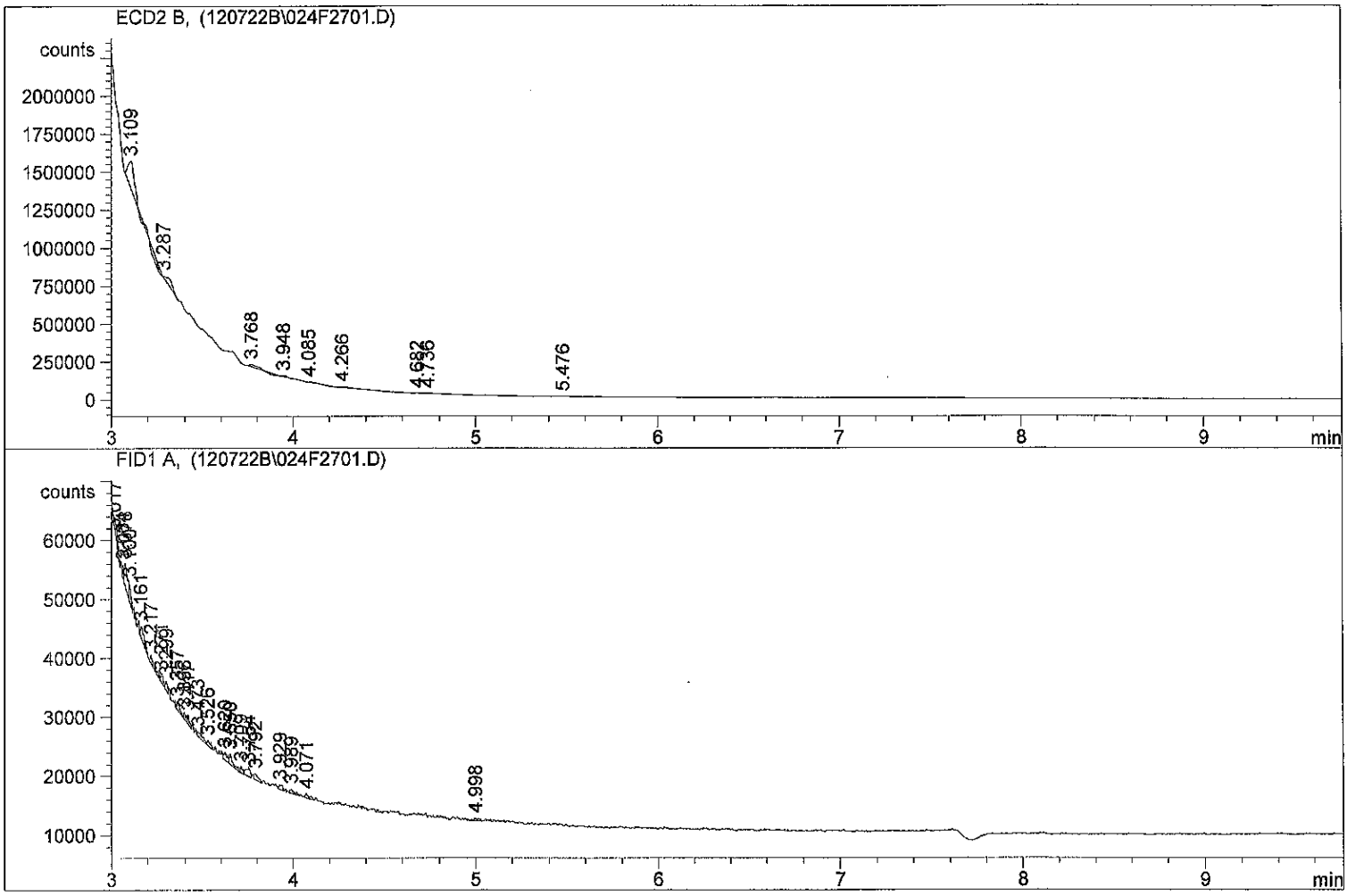
Injection Date	: 12/7/2022 11:59:07 PM	Seq. Line	: 26
Sample Name	: 22L0137 06	Location	: Vial 23
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\024F2701.D Sample Name: 22L0137 07

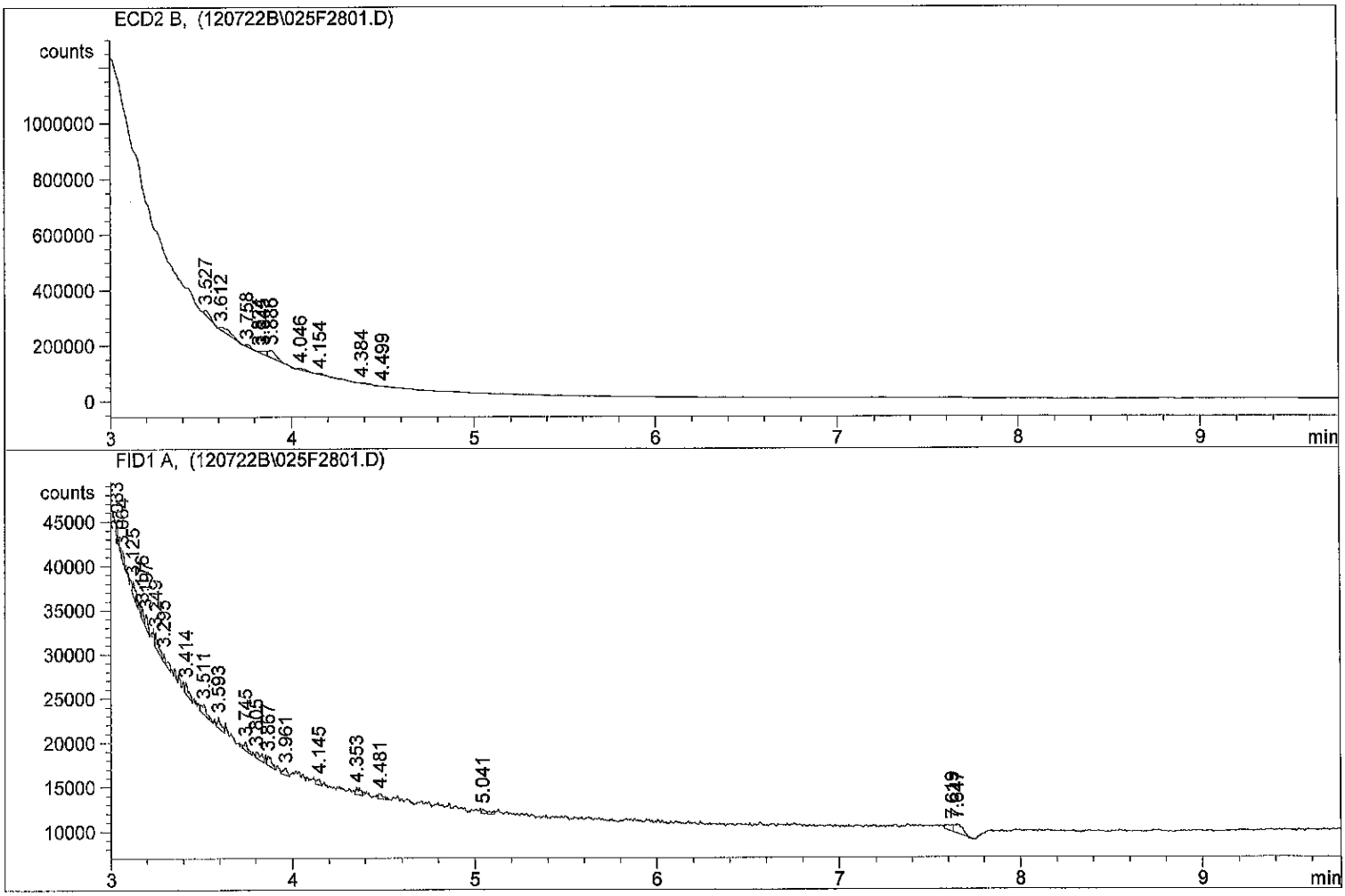
Injection Date	: 12/8/2022 12:13:35 AM	Seq. Line	: 27
Sample Name	: 22L0137 07	Location	: Vial 24
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

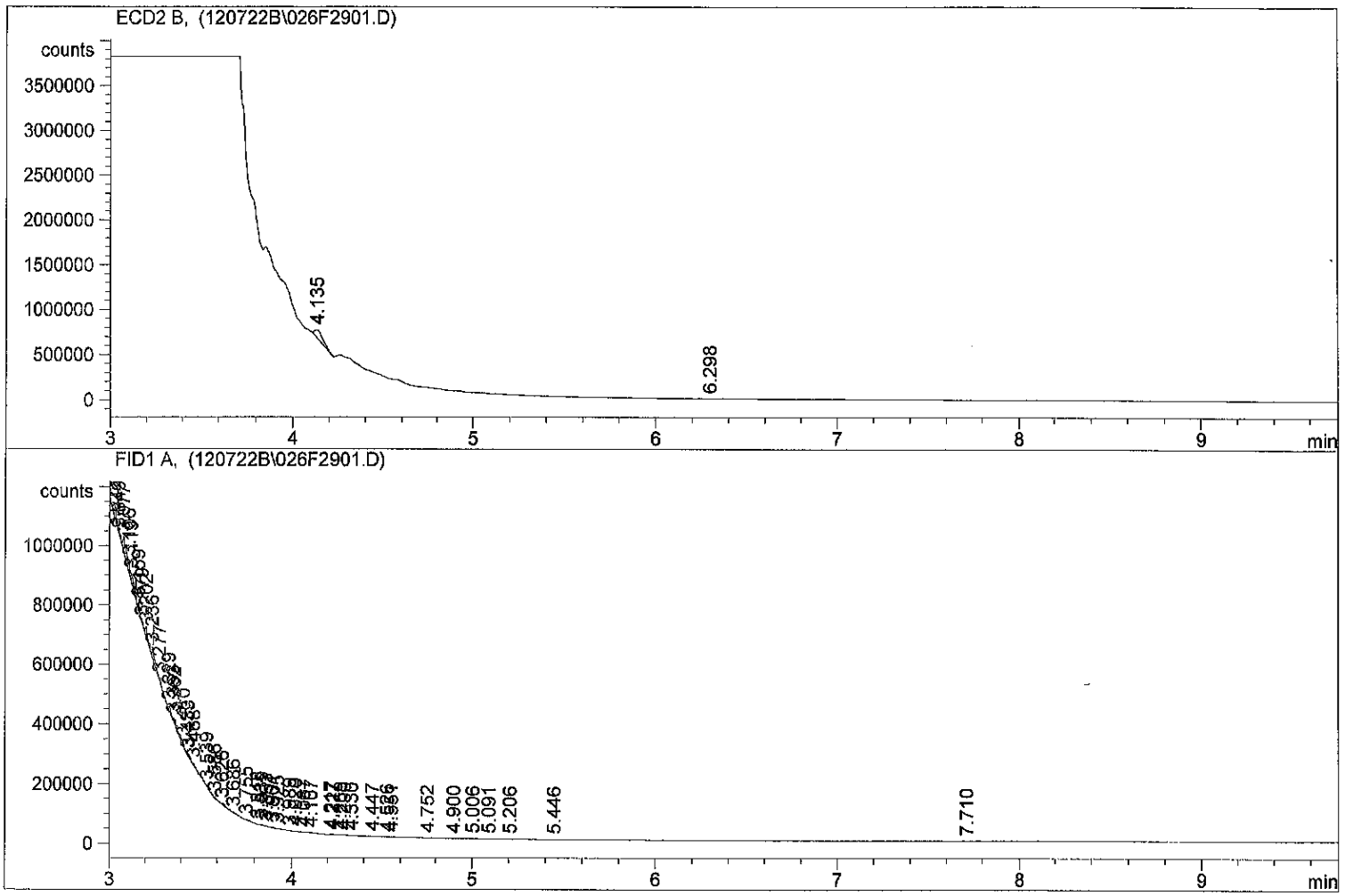
Data File C:\HPCHEM\1\DATA\120722B\025F2801.D Sample Name: 22L0137 08

Injection Date	: 12/8/2022 12:28:08 AM	Seq. Line	: 28
Sample Name	: 22L0137 08	Location	: Vial 25
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

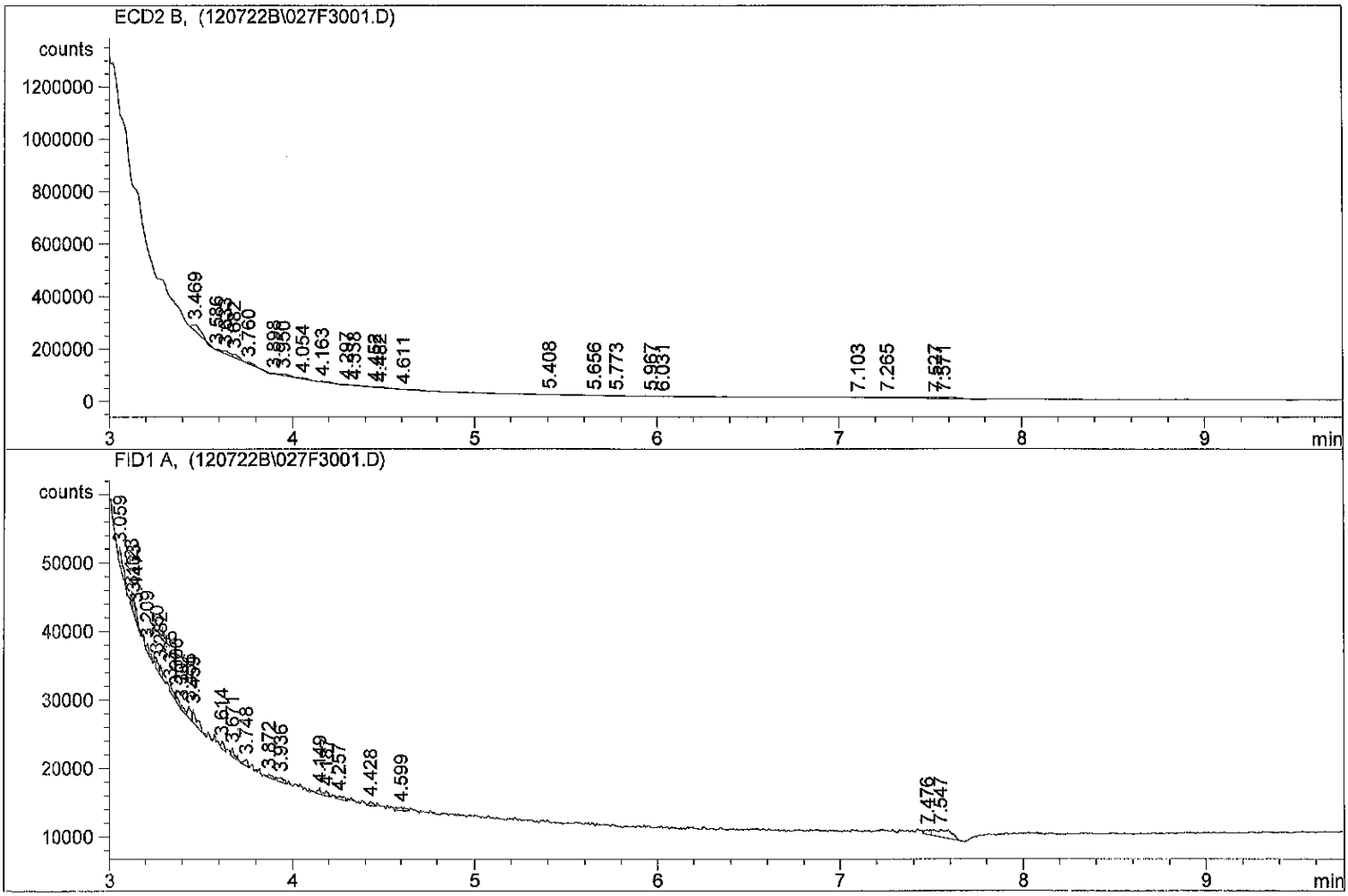
Injection Date	: 12/8/2022 12:41:29 AM	Seq. Line	: 29
Sample Name	: 22L0137 09	Location	: Vial 26
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

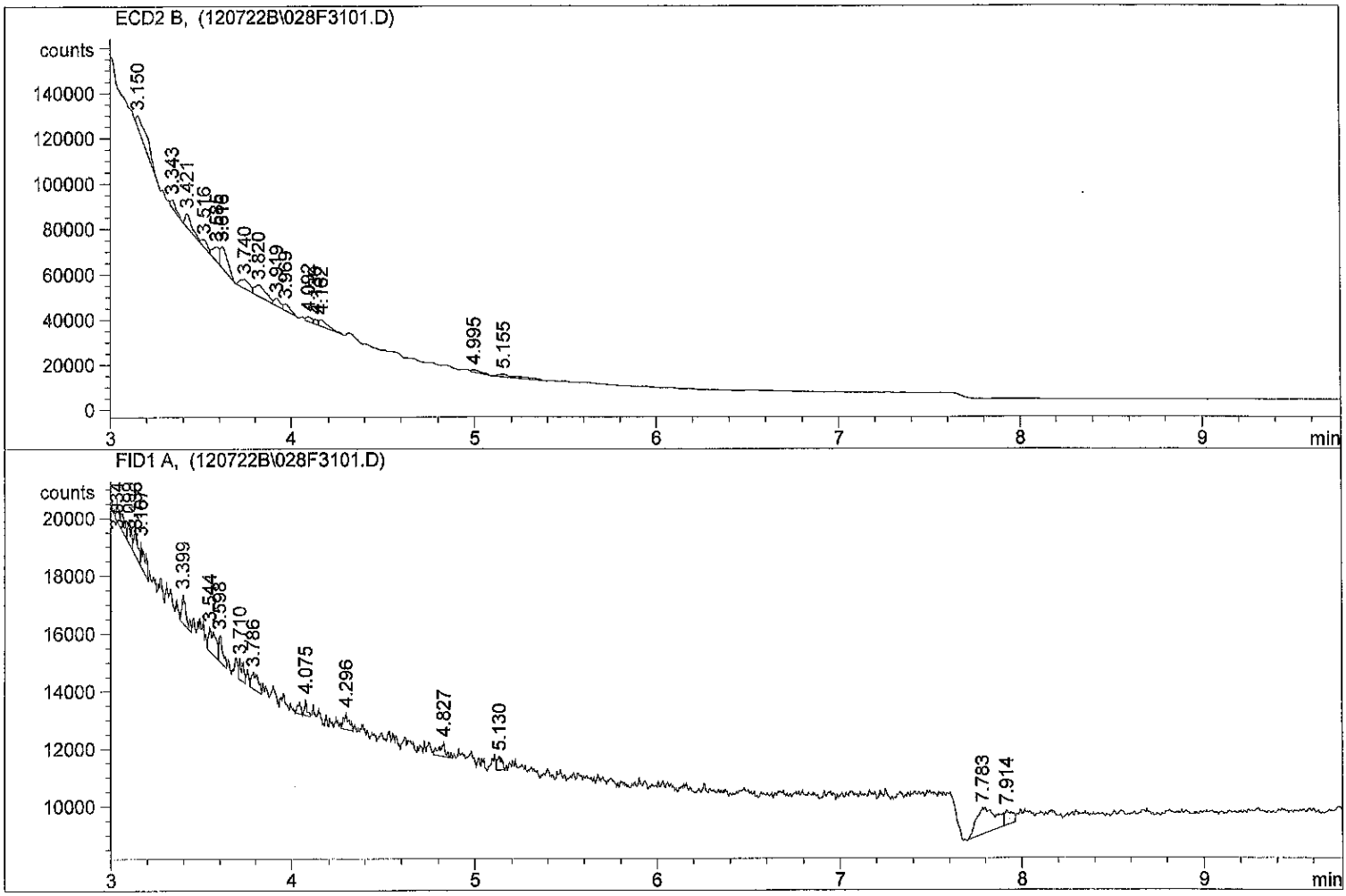
Injection Date : 12/8/2022 12:55:10 AM Seq. Line : 30
Sample Name : 22L0137 10 Location : Vial 27
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

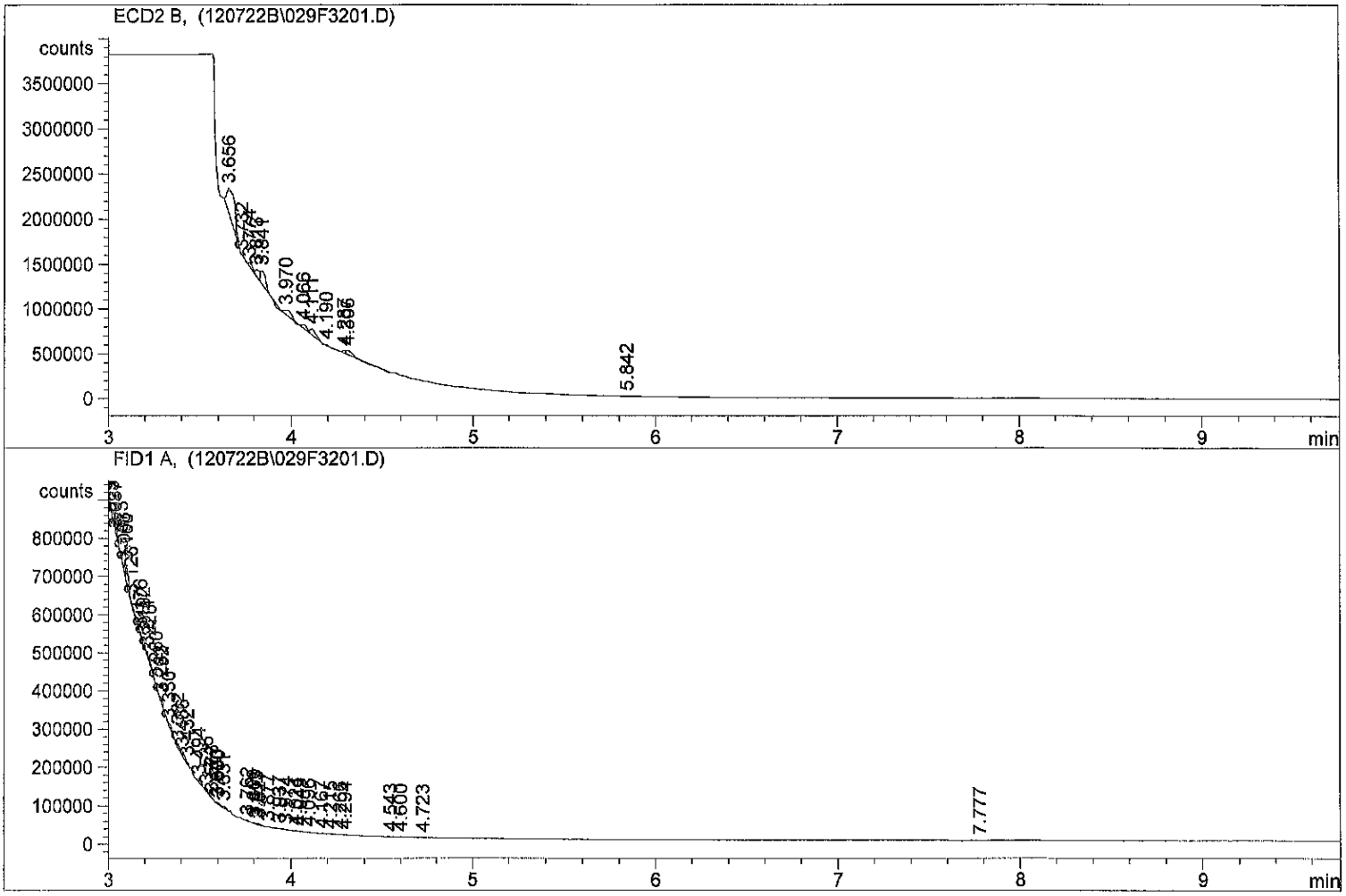
Injection Date	: 12/8/2022 1:09:42 AM	Seq. Line	: 31
Sample Name	: 22L0137 11	Location	: Vial 28
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

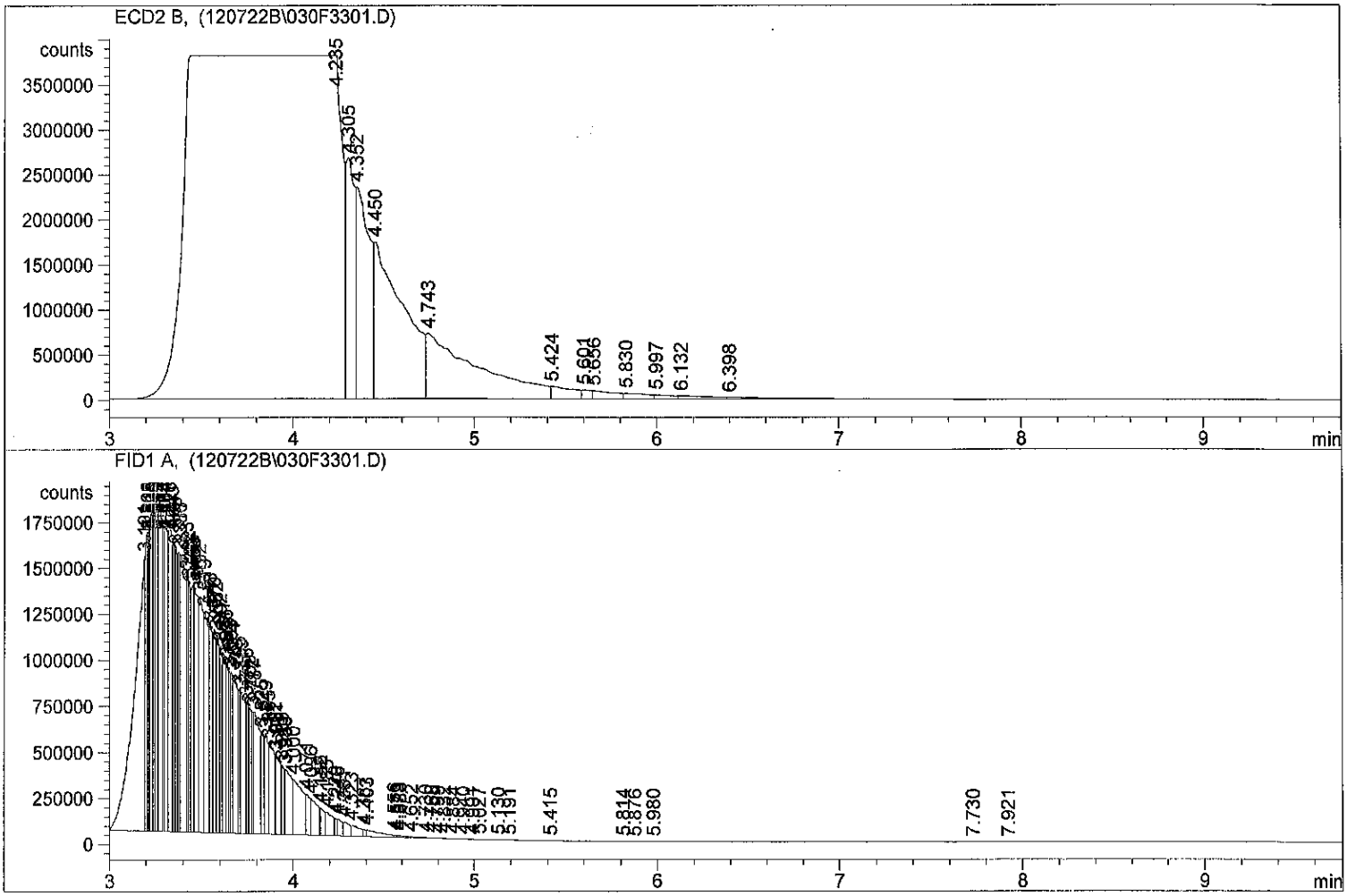
Injection Date : 12/8/2022 1:24:11 AM Seq. Line : 32
Sample Name : 22L0137 12 Location : Vial 29
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date	: 12/8/2022 1:37:30 AM	Seq. Line	: 33
Sample Name	: 22L0137 13	Location	: Vial 30
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 1:51:15 AM          Seq. Line :  34
Sample Name     : 22L0137 14                    Location : Vial 31
Acq. Operator   : YL                               Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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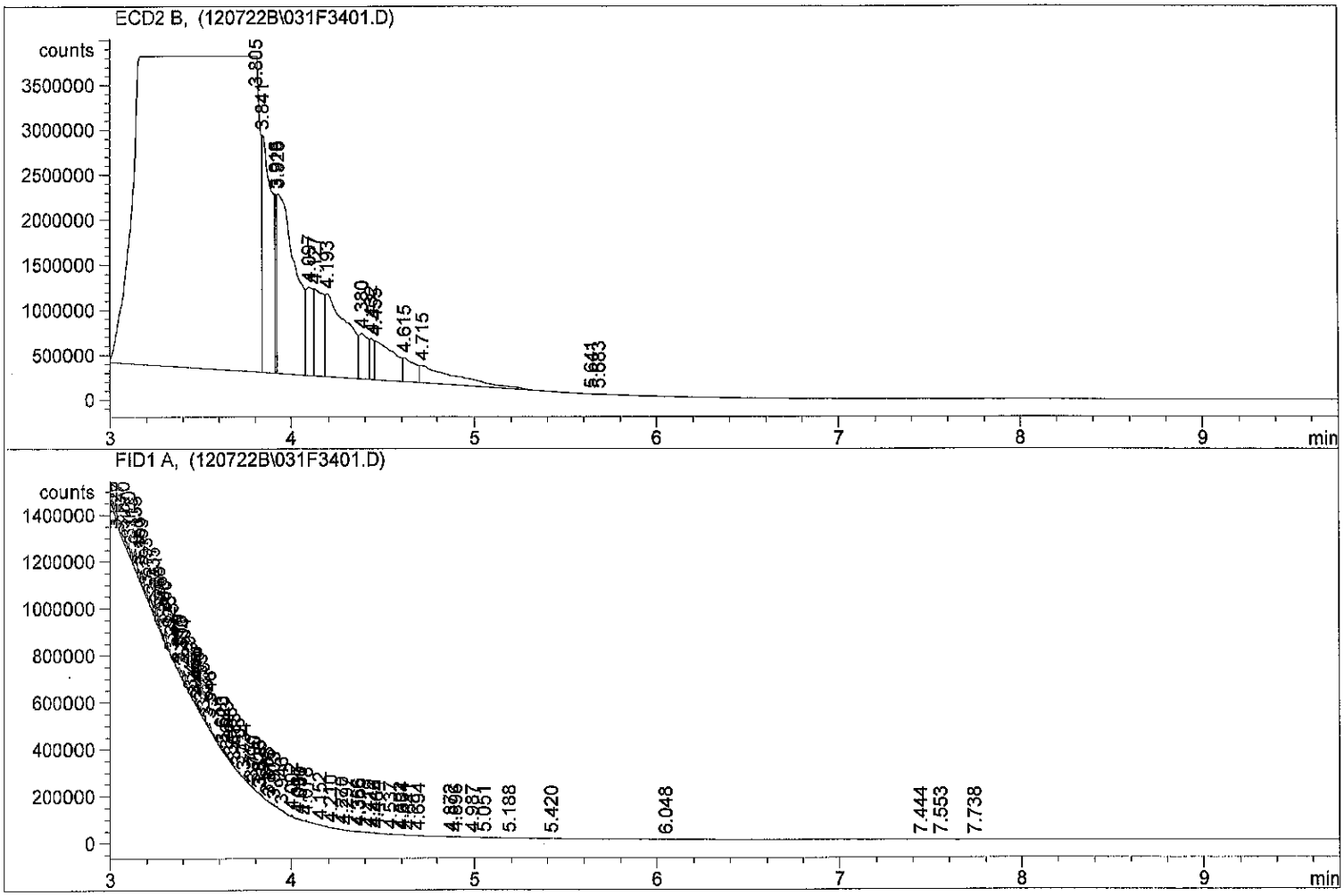
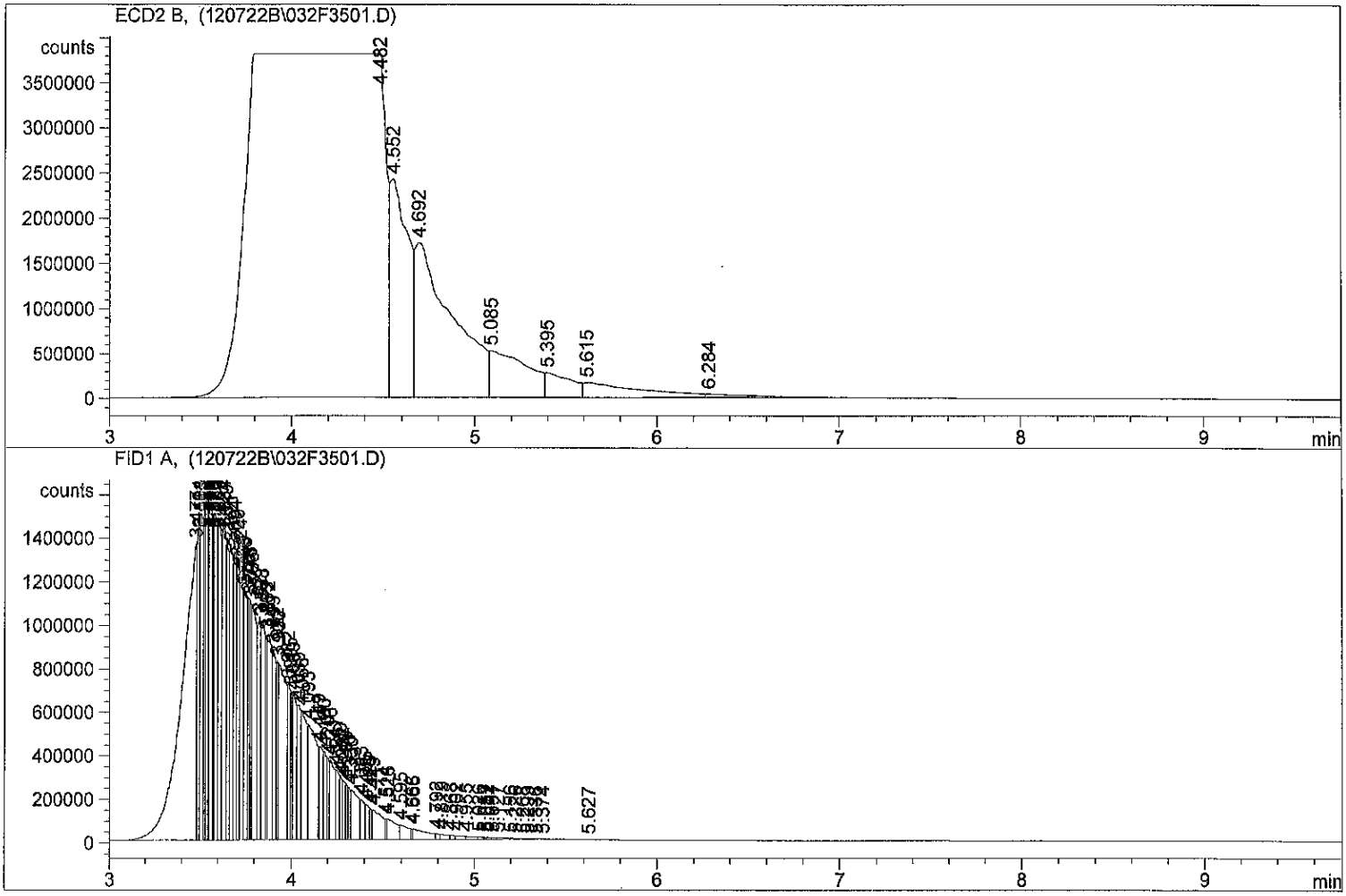


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\032F3501.D Sample Name: 22L0137 15

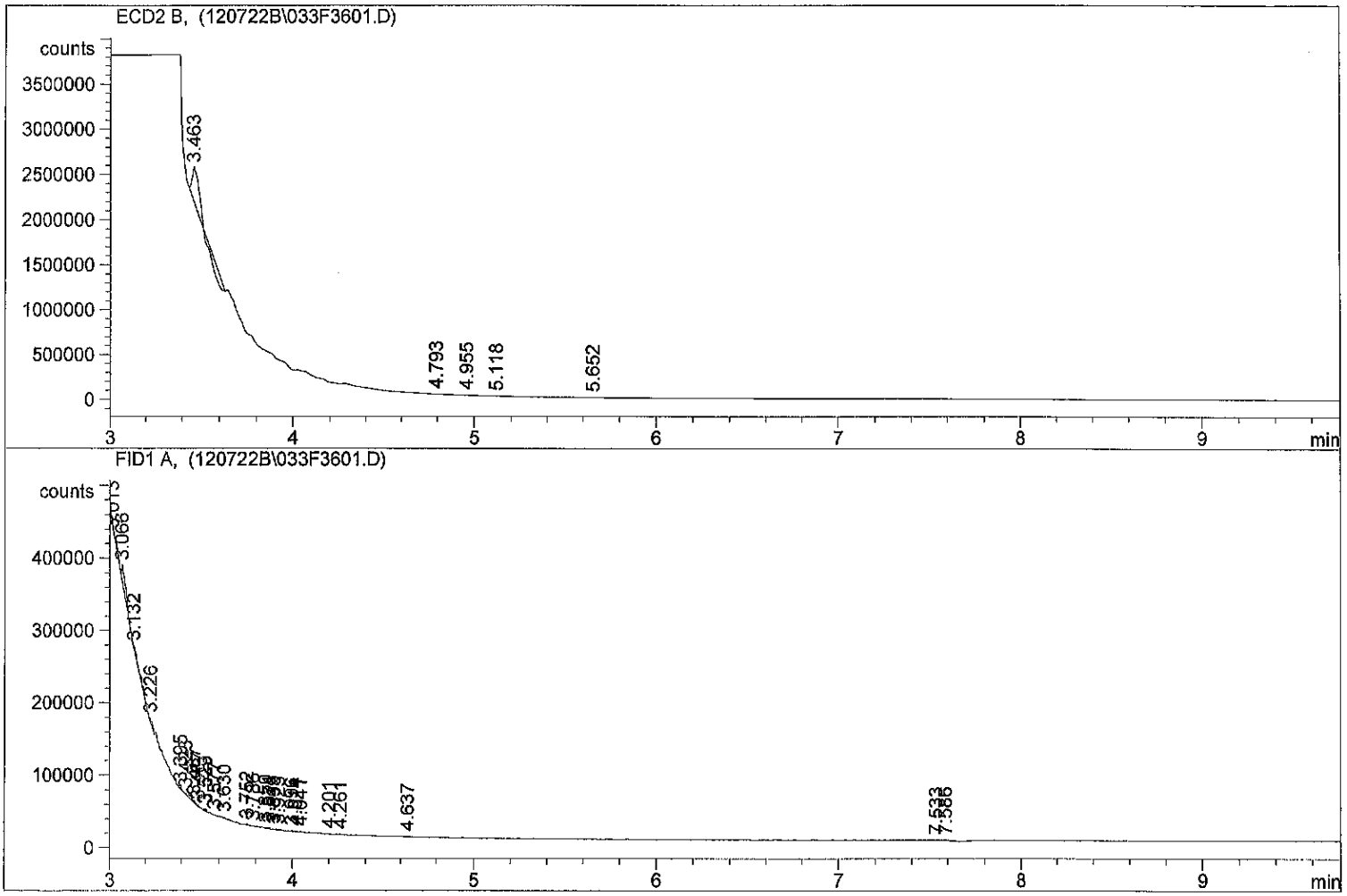
Injection Date	: 12/8/2022 2:05:46 AM	Seq. Line	: 35
Sample Name	: 22L0137 15	Location	: Vial 32
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Injection Date : 12/8/2022 2:20:14 AM Seq. Line : 36
Sample Name : 22L0137 16 Location : Vial 33
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

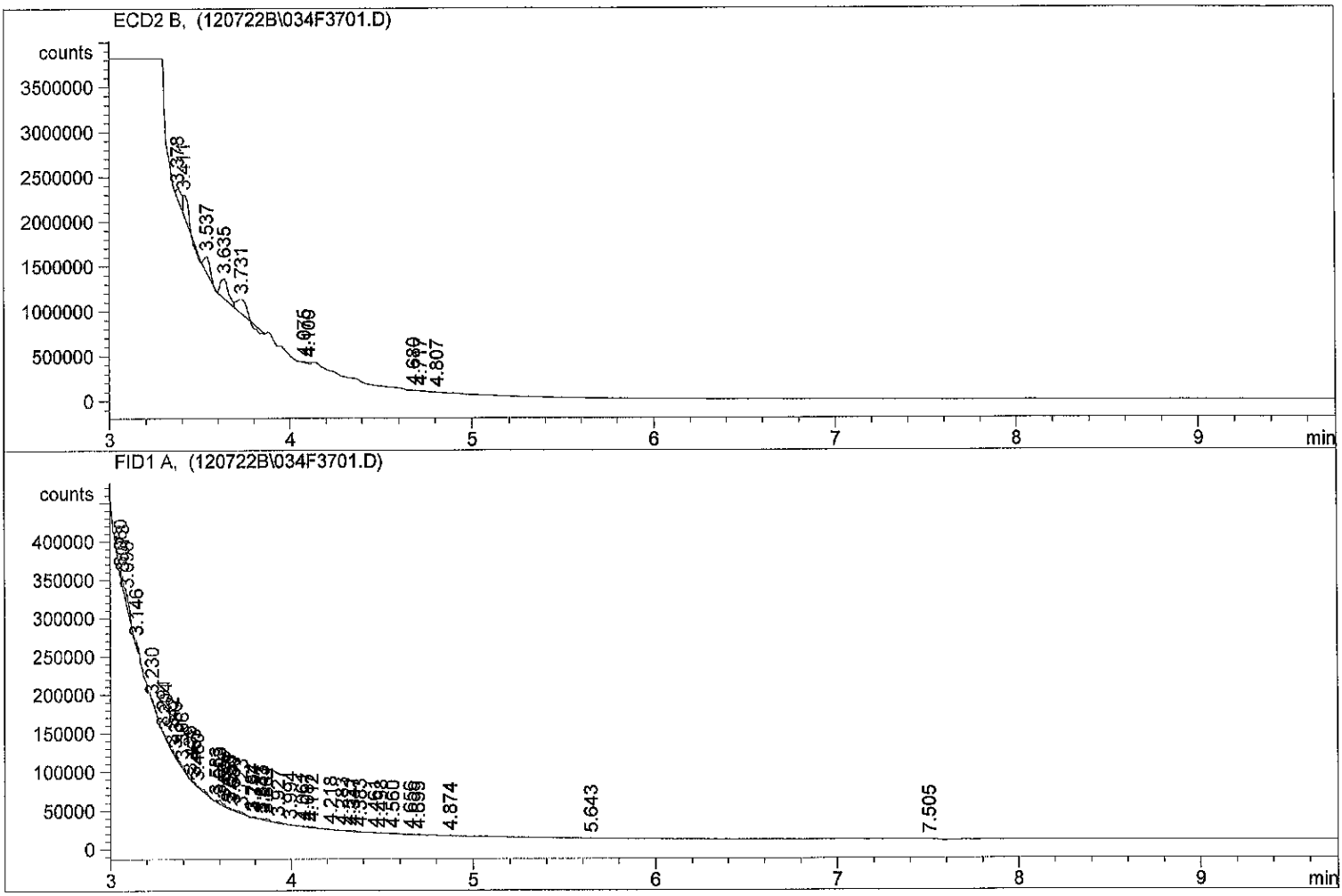
Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date : 12/8/2022 2:33:34 AM Seq. Line : 37
Sample Name : 22L0137 17 Location : Vial 34
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

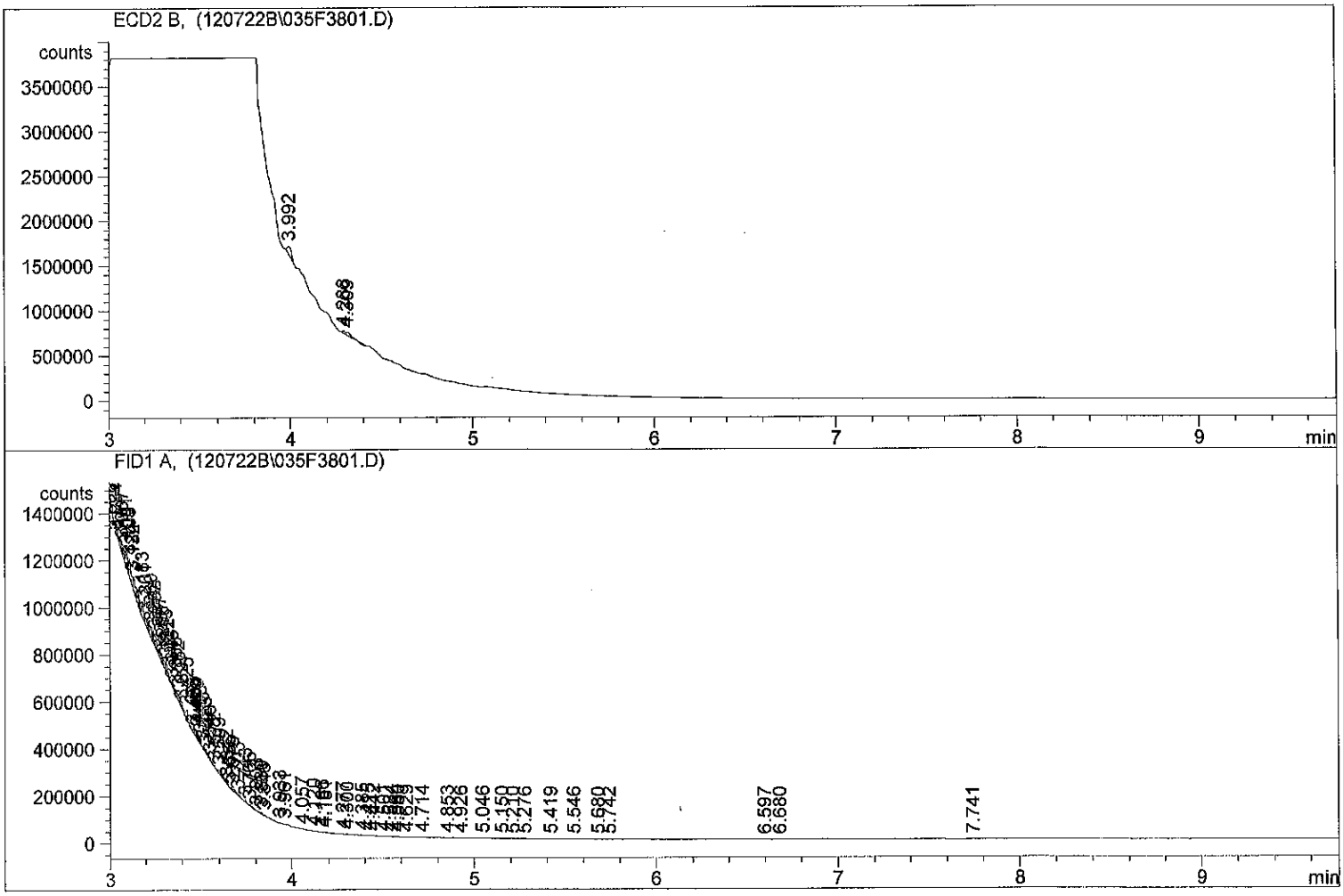
Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date : 12/8/2022 2:47:14 AM Seq. Line : 38
Sample Name : 22L0137 18 Location : Vial 35
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

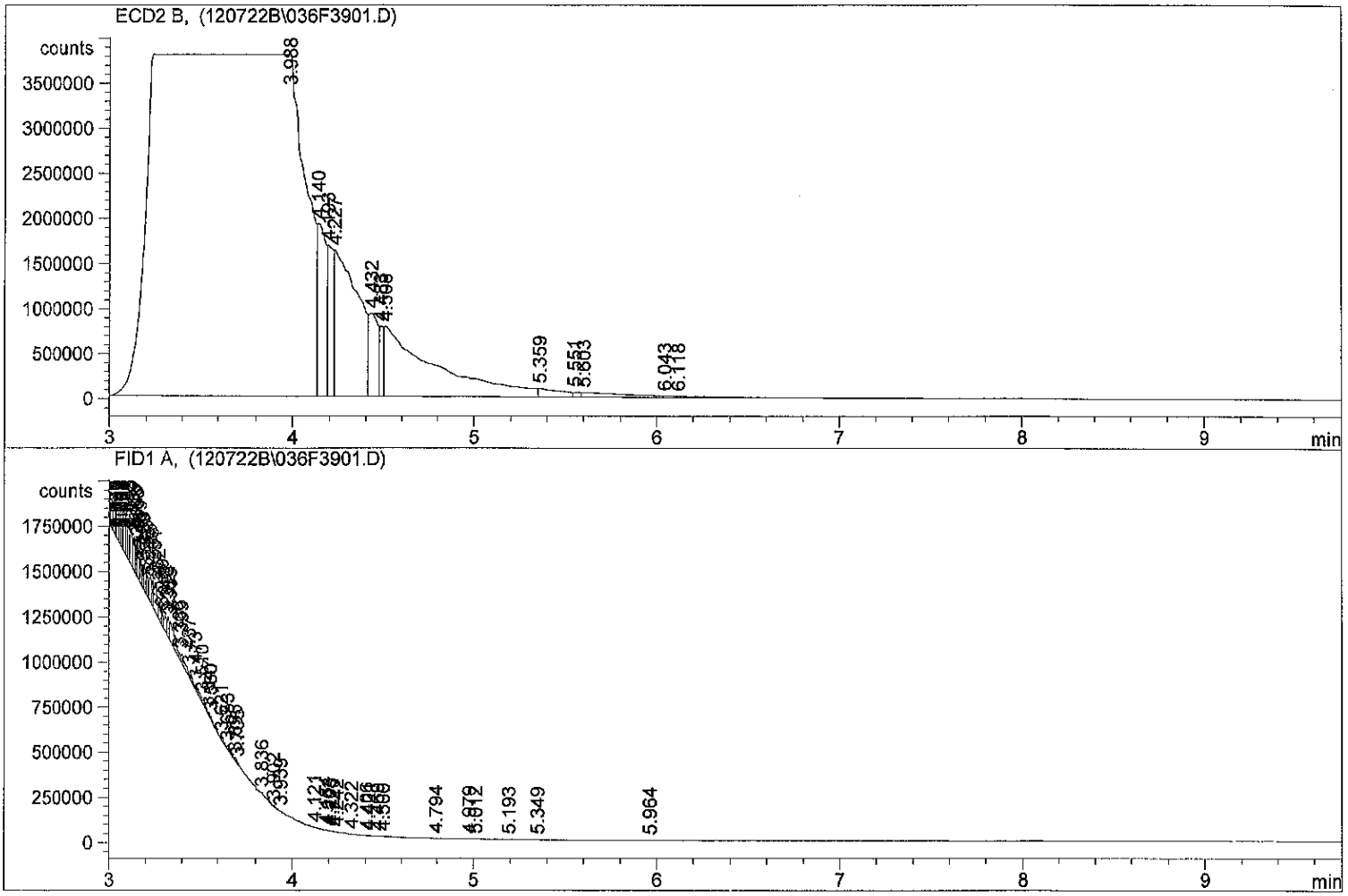
Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

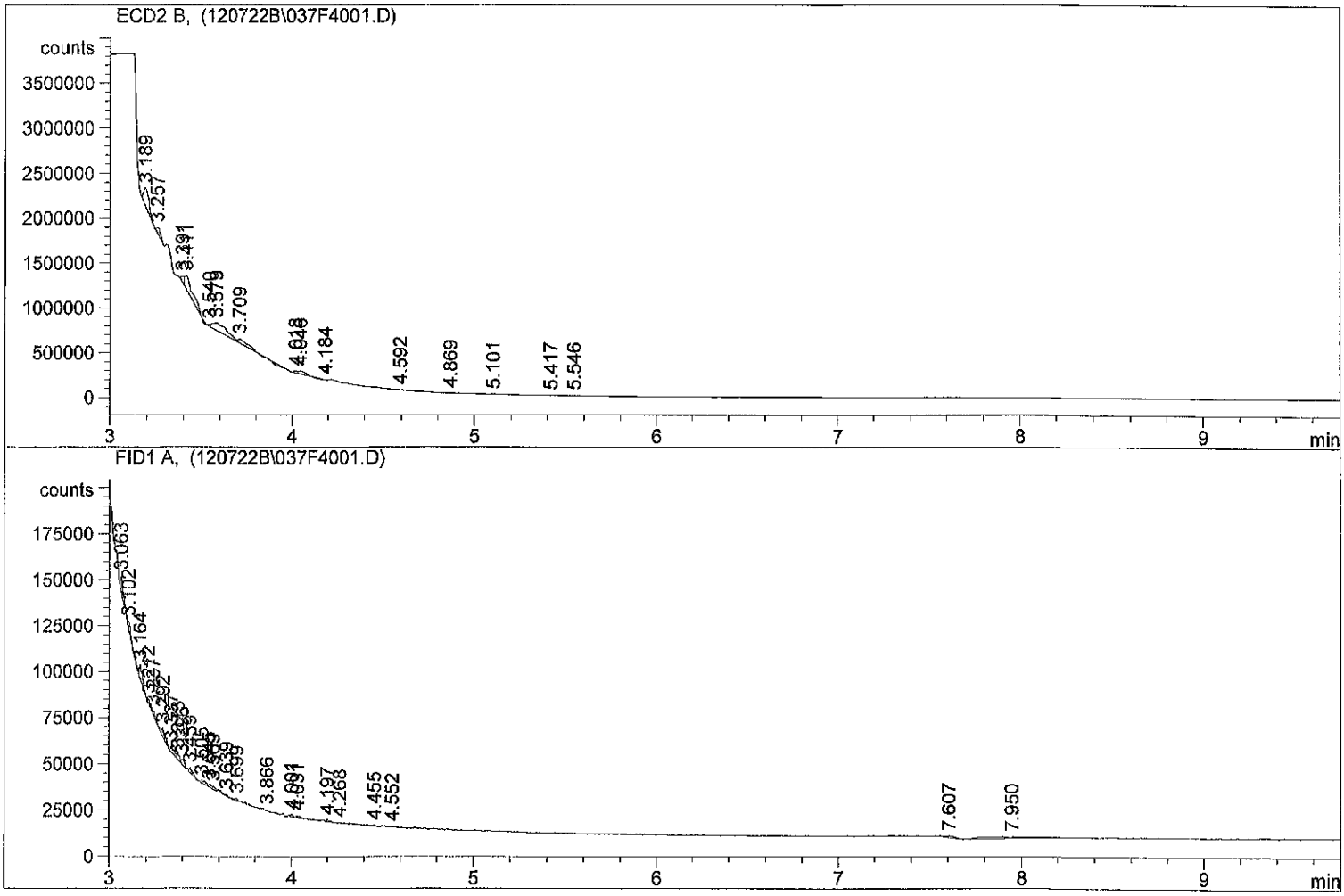
Injection Date : 12/8/2022 3:00:49 AM Seq. Line : 39
Sample Name : 22L0137 19 Location : Vial 36
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date	: 12/8/2022 3:14:59 AM	Seq. Line	: 40
Sample Name	: 22L0137 20	Location	: Vial 37
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0226 Batch Matrix: Solid Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC785D	22L0137-21	12192257ECD7.D	12/12/22 15:50	
LDW22-SC785E	22L0137-22	12192258ECD7.D	12/12/22 15:50	
LDW22-SC785F	22L0137-23	12192259ECD7.D	12/12/22 15:50	
LDW22-SC785G	22L0137-24	12202204ECD7.D	12/12/22 15:50	
LDW22-SC785H	22L0137-25	12202205ECD7.D	12/12/22 15:50	
LDW22-SC785H	22L0137-25RE1	12222206ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC785I	22L0137-26	12202206ECD7.D	12/12/22 15:50	
LDW22-SC785I	22L0137-26RE1	12222207ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC785J	22L0137-27	12202207ECD7.D	12/12/22 15:50	
LDW22-SC785J	22L0137-27RE1	12222208ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC785K	22L0137-28	12202208ECD7.D	12/12/22 15:50	
LDW22-SC785L	22L0137-29	12202209ECD7.D	12/12/22 15:50	
LDW22-SC785L	22L0137-29RE1	12222209ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC785M	22L0137-30	12202210ECD7.D	12/12/22 15:50	
LDW22-SC785M	22L0137-30RE1	12222210ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC785N	22L0137-31	12202211ECD7.D	12/12/22 15:50	
LDW22-SC785A-FD	22L0137-32	12202212ECD7.D	12/12/22 15:50	
LDW22-SC776A	22L0137-33	12202213ECD7.D	12/12/22 15:50	
LDW22-SC776B	22L0137-34	12222211ECD7.D	12/12/22 15:50	
LDW22-SC776C	22L0137-35	12202217ECD7.D	12/12/22 15:50	
LDW22-SC776C	22L0137-35RE1	12222212ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC776D	22L0137-36	12202218ECD7.D	12/12/22 15:50	
LDW22-SC776D	22L0137-36RE1	12222213ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC776E	22L0137-37	12202219ECD7.D	12/12/22 15:50	
LDW22-SC776E-FD	22L0137-38	12202220ECD7.D	12/12/22 15:50	
LDW22-SC776E-FD	22L0137-38RE1	12222216ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC776F	22L0137-39	12202221ECD7.D	12/12/22 15:50	
LDW22-SC776F	22L0137-39RE1	12222217ECD7.D	12/12/22 15:50	Added 12/27/2022 by PK
LDW22-SC776G	22L0137-40	12202222ECD7.D	12/12/22 15:50	
Blank	BKL0226-BLK1	12192251ECD7.D	12/12/22 15:50	
LCS	BKL0226-BS1	12192252ECD7.D	12/12/22 15:50	
LCS Dup	BKL0226-BSD1	12192253ECD7.D	12/12/22 15:50	

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0226 Batch Matrix: Solid
Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776A	BKL0226-MS1	12192254ECD7.D	12/12/22 15:50	
LDW22-SC776A	BKL0226-MSD1	12192255ECD7.D	12/12/22 15:50	
Reference	BKL0226-SRM1	12192256ECD7.D	12/12/22 15:50	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0226

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/12/22 **Balance ID:** B1464626l4 **Set Up By:** CTO 12/9/22

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0137-21 B	51.1	(24.49)	24.51	5mL	5mL	2mL	2.5	1.0	
22L0137-22 B	50.2	(24.89)	24.91	5mL	5mL	2mL	2.5	1.0	
22L0137-23 B	51.1	(24.45)	24.48	5mL	5mL	2mL	2.5	1.0	
22L0137-24 B	54.5	(22.95)	22.97	5mL	5mL	2mL	2.5	1.0	
22L0137-25 B	64.2	(19.46)	19.52	5mL	5mL	2mL	2.5	1.0	
22L0137-26 B	62.8	(19.91)	19.97	5mL	5mL	2mL	2.5	1.0	
22L0137-27 B	64.7	(19.31)	19.33	5mL	5mL	2mL	2.5	1.0	
22L0137-28 B	67.9	(18.42)	18.42	5mL	5mL	2mL	2.5	1.0	
22L0137-29 B	64.6	(19.35)	19.35	5mL	5mL	2mL	2.5	1.0	
22L0137-30 B	66.5	(18.81)	18.81	5mL	5mL	2mL	2.5	1.0	
22L0137-31 B	85.4	(14.64)	14.69	5mL	5mL	2mL	2.5	1.0	
22L0137-32 B	52.2	(23.96)	23.96	5mL	5mL	2mL	2.5	1.0	
22L0137-33 B	71.1	(17.59)	17.59	5mL	5mL	2mL	2.5	1.0	
22L0137-34 B	63.6	(19.66)	19.67	5mL	5mL	2mL	2.5	1.0	
22L0137-35 B	61.8	(20.24)	20.30	5mL	5mL	2mL	2.5	1.0	
22L0137-36 B	61.8	(20.23)	20.24	5mL	5mL	2mL	2.5	1.0	
22L0137-37 B	68.6	(18.22)	18.28	5mL	5mL	2mL	2.5	1.0	
22L0137-38 B	61.9	(20.21)	20.26	5mL	5mL	2mL	2.5	1.0	
22L0137-39 B	64.5	(19.40)	19.45	5mL	5mL	2mL	2.5	1.0	
22L0137-40 B	62.0	(20.16)	20.17	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0226-BLK1	100.0	(12.50)	12.56	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0226-BS1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0226-BSD1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0226-MS1	71.1	(17.59)	17.59	5mL	5mL	2mL	2.5	1.0	Use 22L0137-33
BKL0226-MSD1	71.1	(17.59)	17.59	5mL	5mL	2mL	2.5	1.0	Use 22L0137-33
BKL0226-SRM1	100.0	~~(12.50)~~ (2.50)	2.50	5mL	5mL	2mL	2.5	1.0	Use K003635

+1g DI WATER

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0226

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
CT 1 2 3
12/12/2022
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 4 5 6
LJ 12/15/22
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 4 5
NRB 12/16/22
Analyst/Date

TurboVap
Post Cleanups
1 2 3 4 5
CTD 12/16/22
Analyst/Date

Vialing
CTD 12/17/22
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: CT Date: 12/12/22	
Neutral Glass Wool	K010266
1:1 Hexane/Acetone	K010163
Hexane	K010831
Anhydrous Sodium Sulfate	K010995
KD Analyst: LJ Date: 12/15/22	
Anhydrous Sodium Sulfate	N/A
Hexane	K011373
Vialing Analyst: CTD Date: 12/17/22	
Hexane	K011373
Concentrated Sulfuric Acid	K009796
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K003744
Tetrabutylammonium hydrogensulfate (TBAS)	K010832

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K010600 (V) Exp Date: 1/23/2023	50µL	CT	✓
Spike 20µg/mL	1 K008150 (V) Exp Date: 3/5/2023	63µL	CT	✓

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0226

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Client ID Verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time
	12/12/22	CTD	12/12/22	12/12/22 15:50

Printed: 12/9/2022 10:26:00AM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0226

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh soil/sed into beakers-lightly dry with sodium sulfate. 2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization. 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool. 7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug. 8. Re-homogenize and rinse with 1:1 Hexane/Acetone. 9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane. 10. KD on 100° bath. 11. Exchange (2 X with 20mL) Hexane. 12. TurboVap. 13. Clean-ups. 14. TurboVap. 15. Vial with Hexane. A. Need Total Solids Y (N) B. Archive/Freeze (Y) N	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

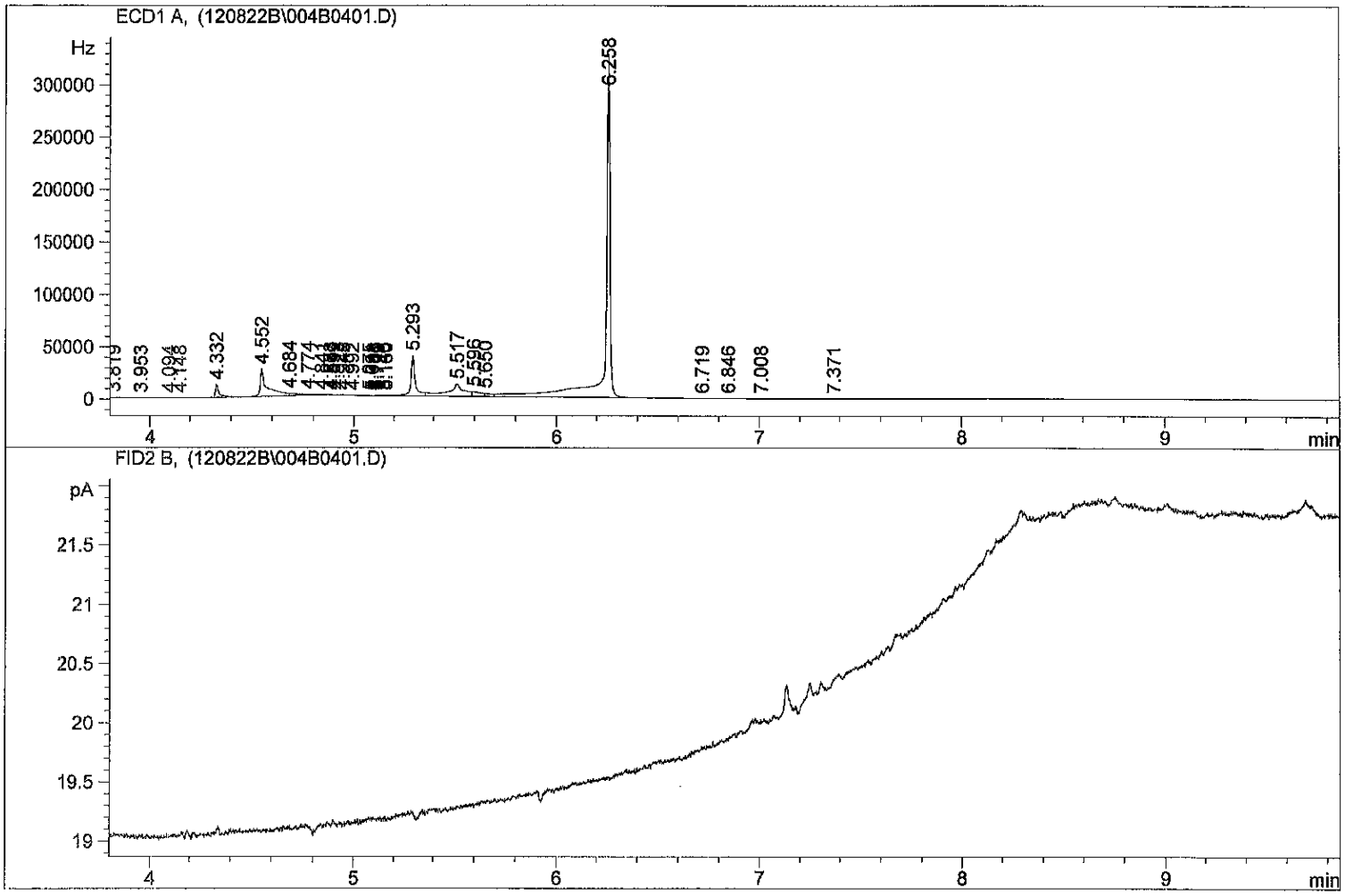
Organic Extractions Laboratory Analyst Notes

Extraction Parameter: PCB Extraction Batch: BKL0226

Total Solids Batch: BKL0173 Work Order(s): 22L0137 21-40

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☐ No Anomalies (standard soil/wet sediment/sand/gravel)=	
☒ Standing Water Decanted (Not shared)= 32,33	CR 12/18
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☒ Oily, obvious fuel/sulfur odors= 21-26, 28-40	CR 12/18
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☐ Previously Frozen =	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☐ Share Samples Y / (N)	CR 12/18
☐ Multiple Jars Y / (N)	CR 12/18
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

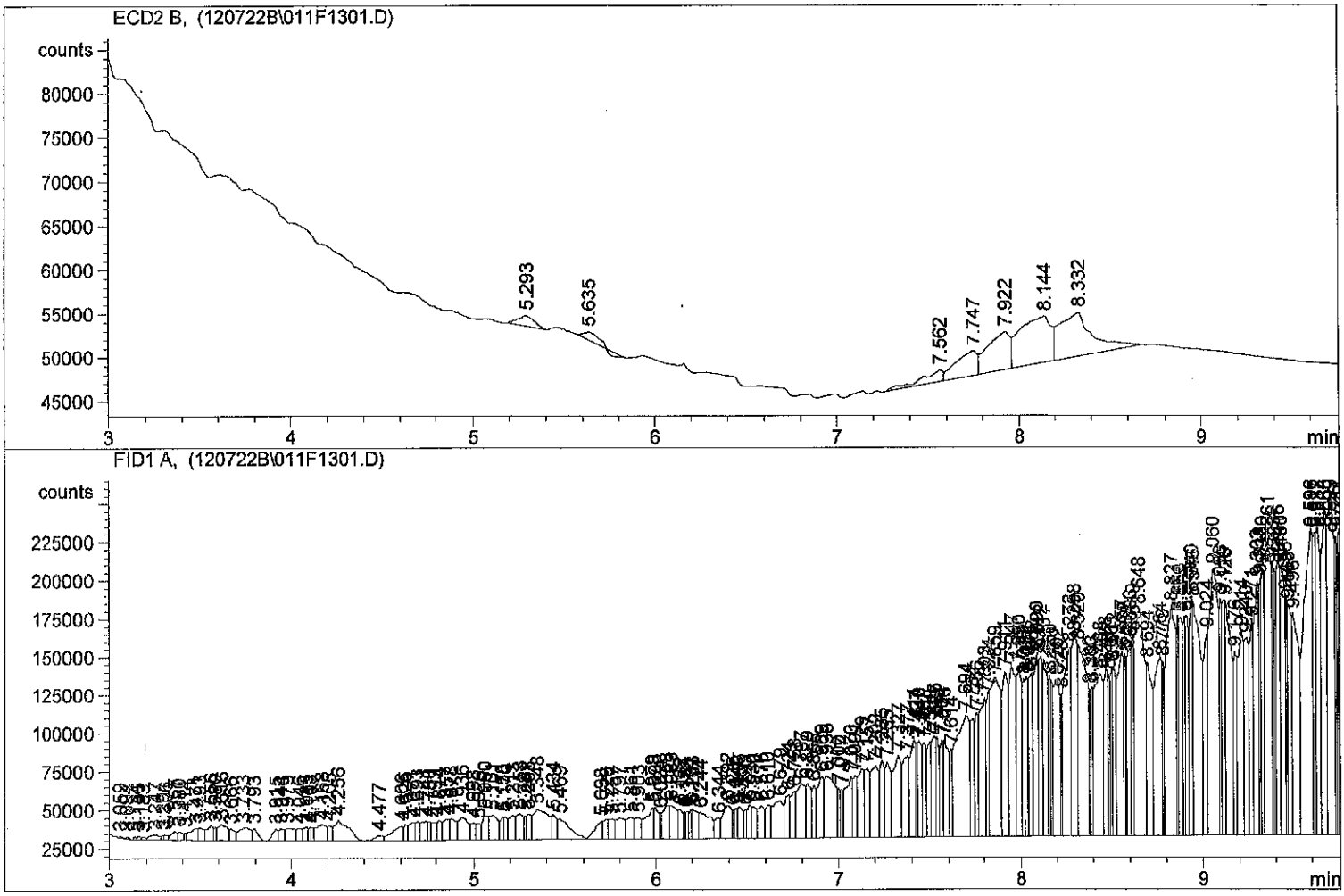
```
==========================================================================
Injection Date  : 12/8/2022 5:39:30 PM          Seq. Line :   4
Sample Name     : 22L0137 21                     Location : Vial 4
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
==========================================================================
```



*** End of Report ***

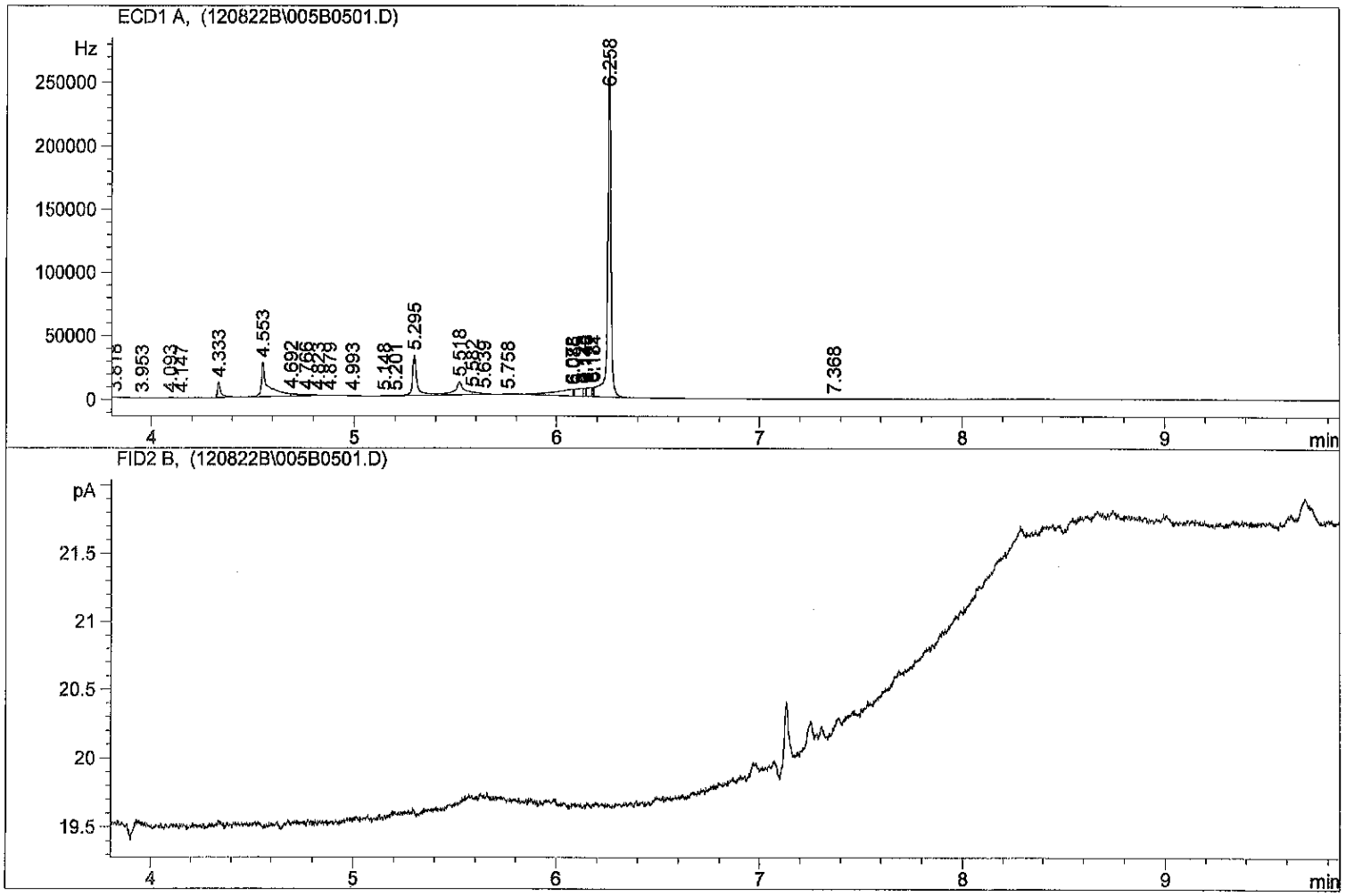
Injection Date : 12/8/2022 5:52:12 PM Seq. Line : 13
Sample Name : 22L0136 08 Location : Vial 11
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

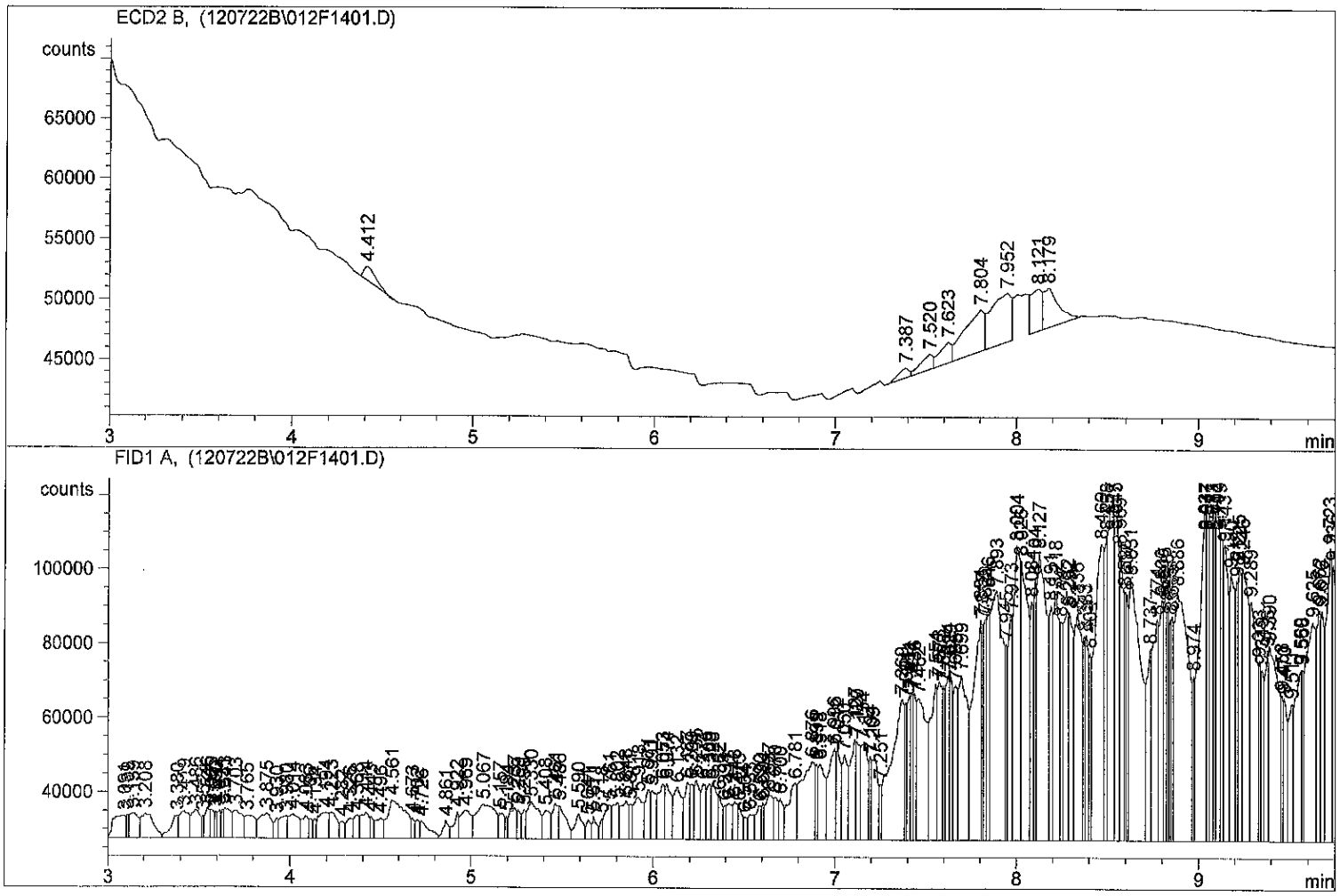
Injection Date	: 12/8/2022 5:54:17 PM	Seq. Line	: 5
Sample Name	: 22L0137 22	Location	: Vial 5
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\012F1401.D Sample Name: 22L0136 09

Injection Date	: 12/8/2022 6:06:45 PM	Seq. Line	: 14
Sample Name	: 22L0136 09	Location	: Vial 12
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 6:09:01 PM          Seq. Line :   6
Sample Name     : 22L0137 23                    Location : Vial 6
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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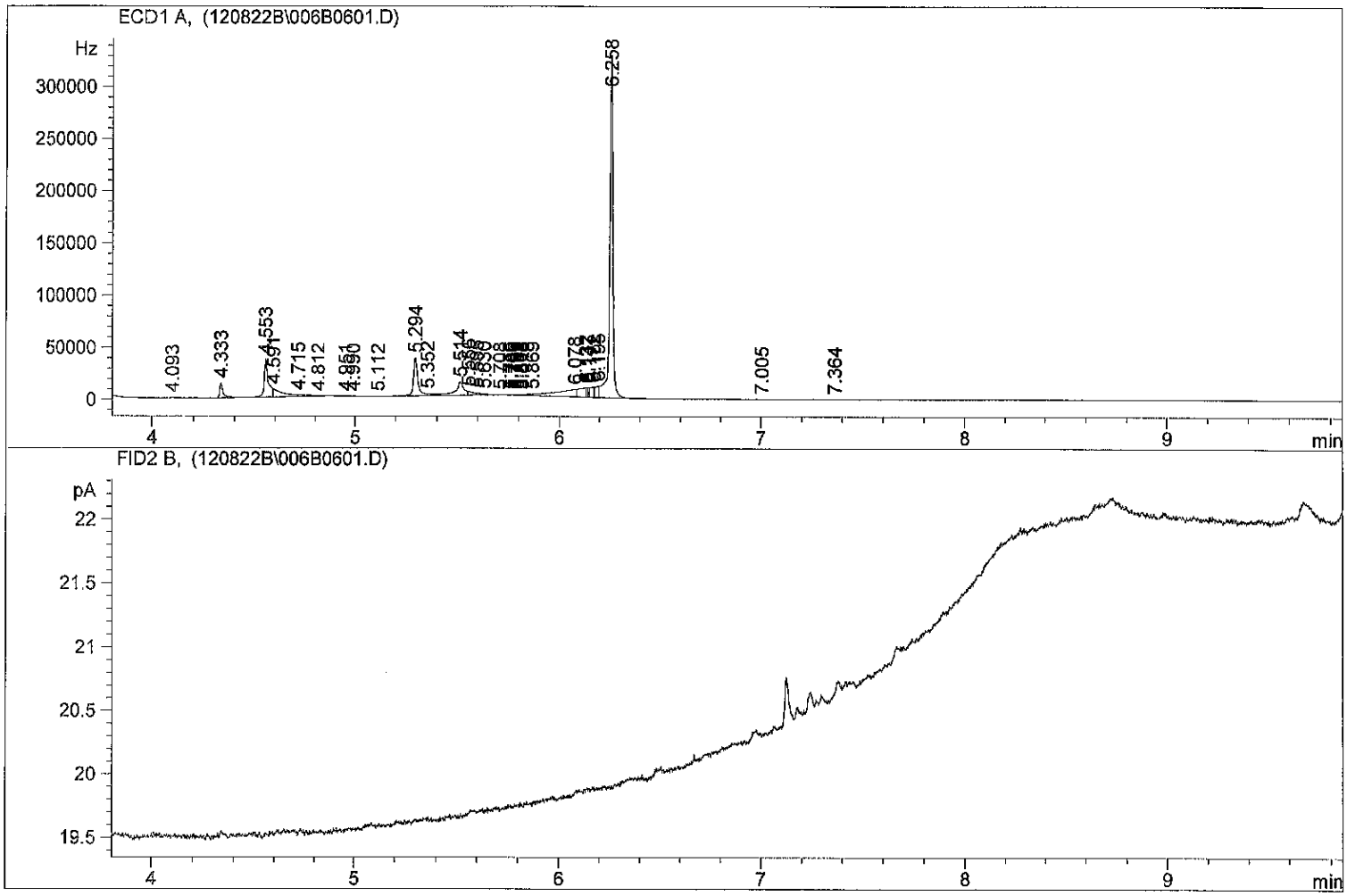
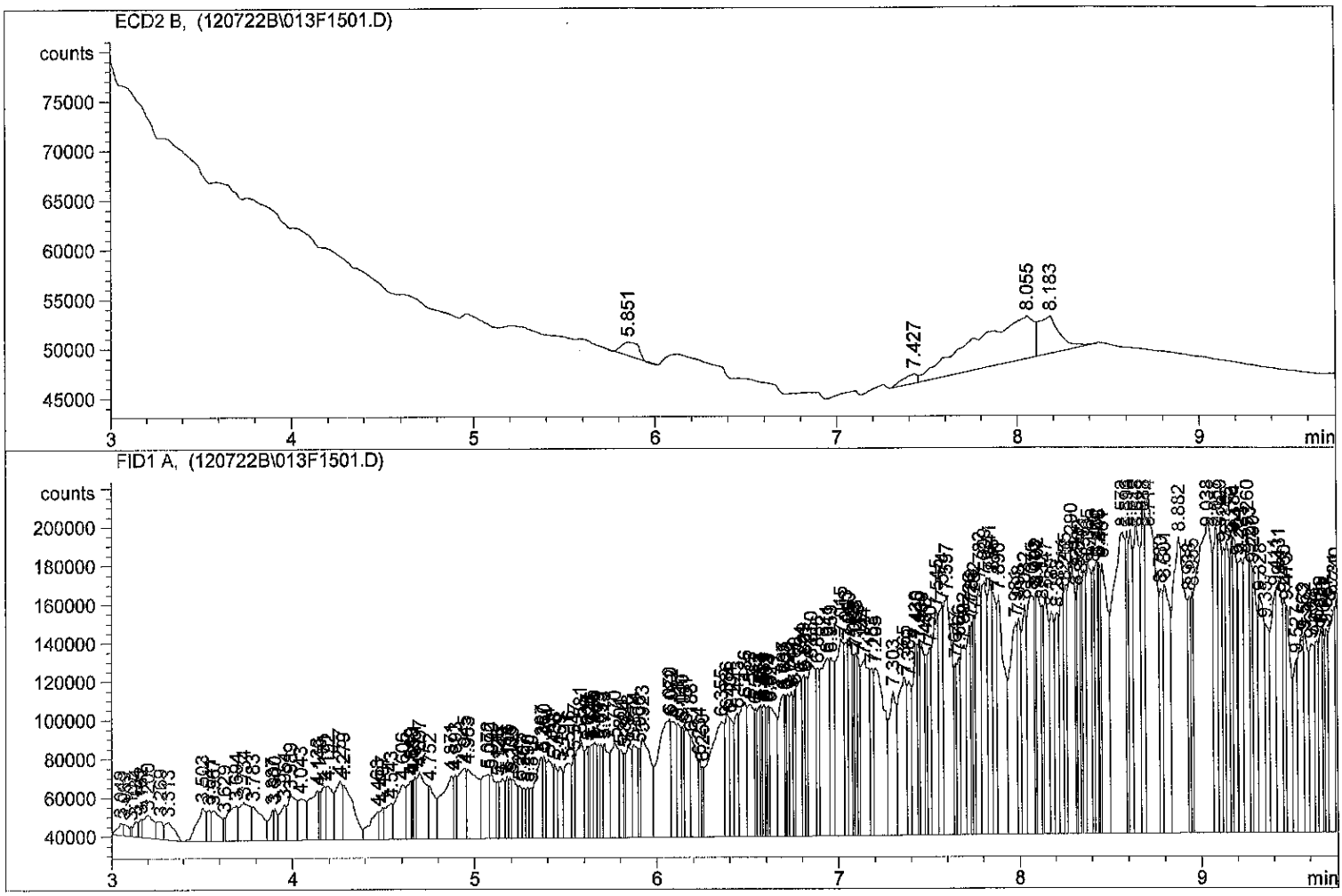


*** End of Report ***

Injection Date : 12/8/2022 6:21:21 PM Seq. Line : 15
Sample Name : 22L0136 10 Location : Vial 13
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

```
Injection Date   : 12/8/2022 6:23:49 PM          Seq. Line :   7
Sample Name      : 22L0137 24                    Location : Vial 7
Acq. Operator    : YL                                Inj :   1
                                                 Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File    : C:\HPCHEM\2\SEQUENCE\120822B.S
Method           : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed     : 10/18/2022 7:53:49 AM by DM
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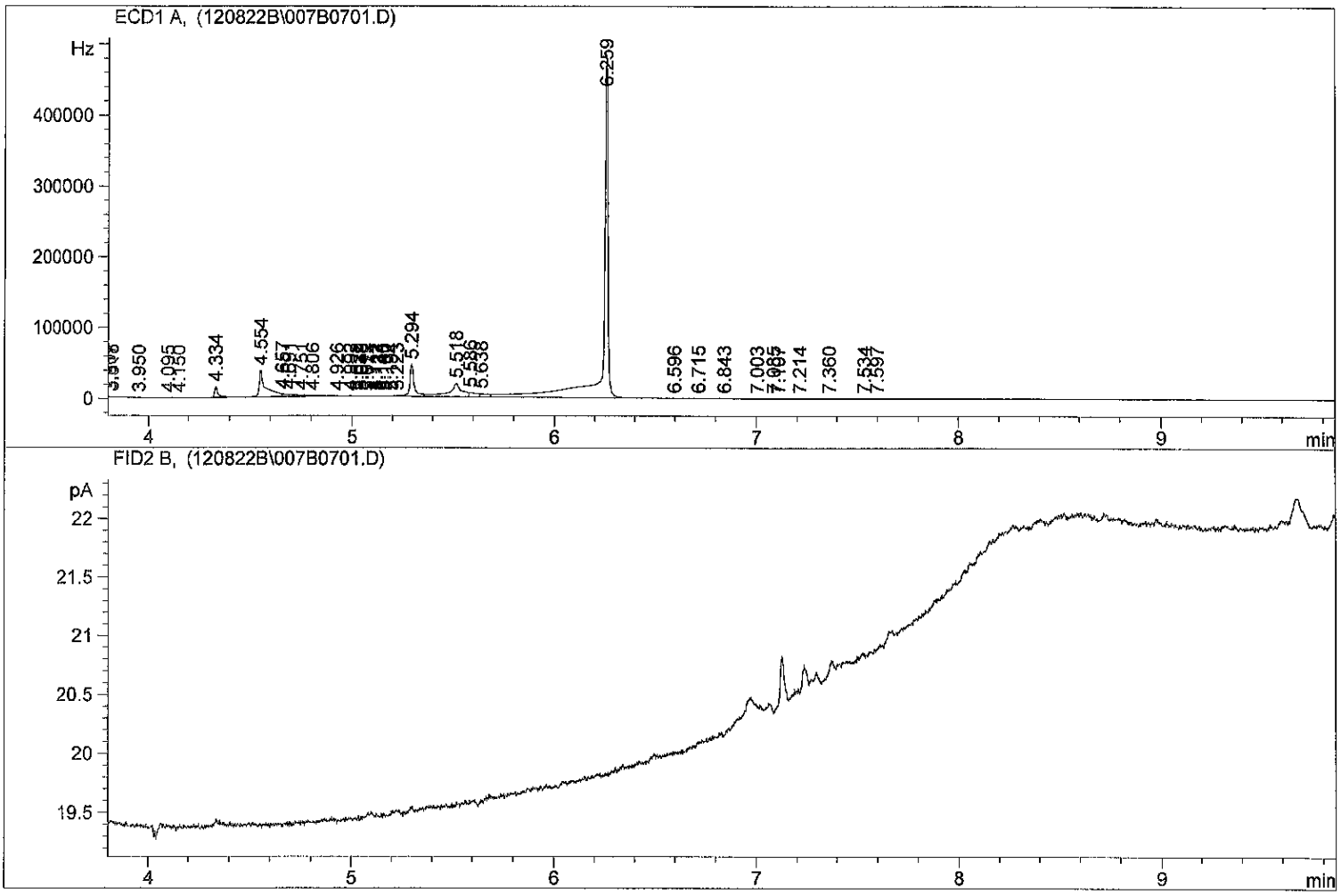
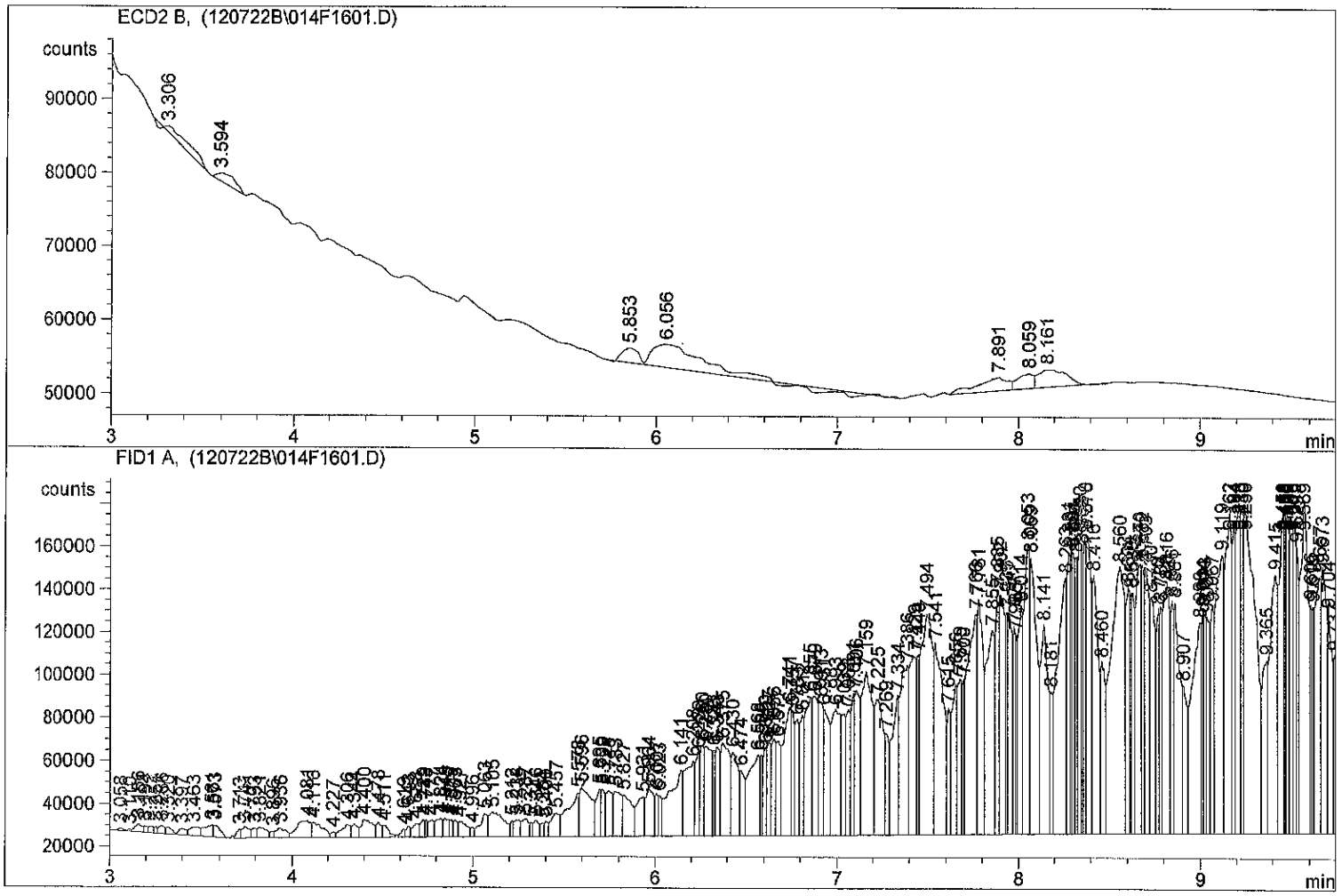


*** End of Report ***

Injection Date	: 12/8/2022 6:34:59 PM	Seq. Line	: 16
Sample Name	: 22L0136 11	Location	: Vial 14
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 6:35:27 PM          Seq. Line :   8
Sample Name     : 22L0137 25                    Location : Vial 8
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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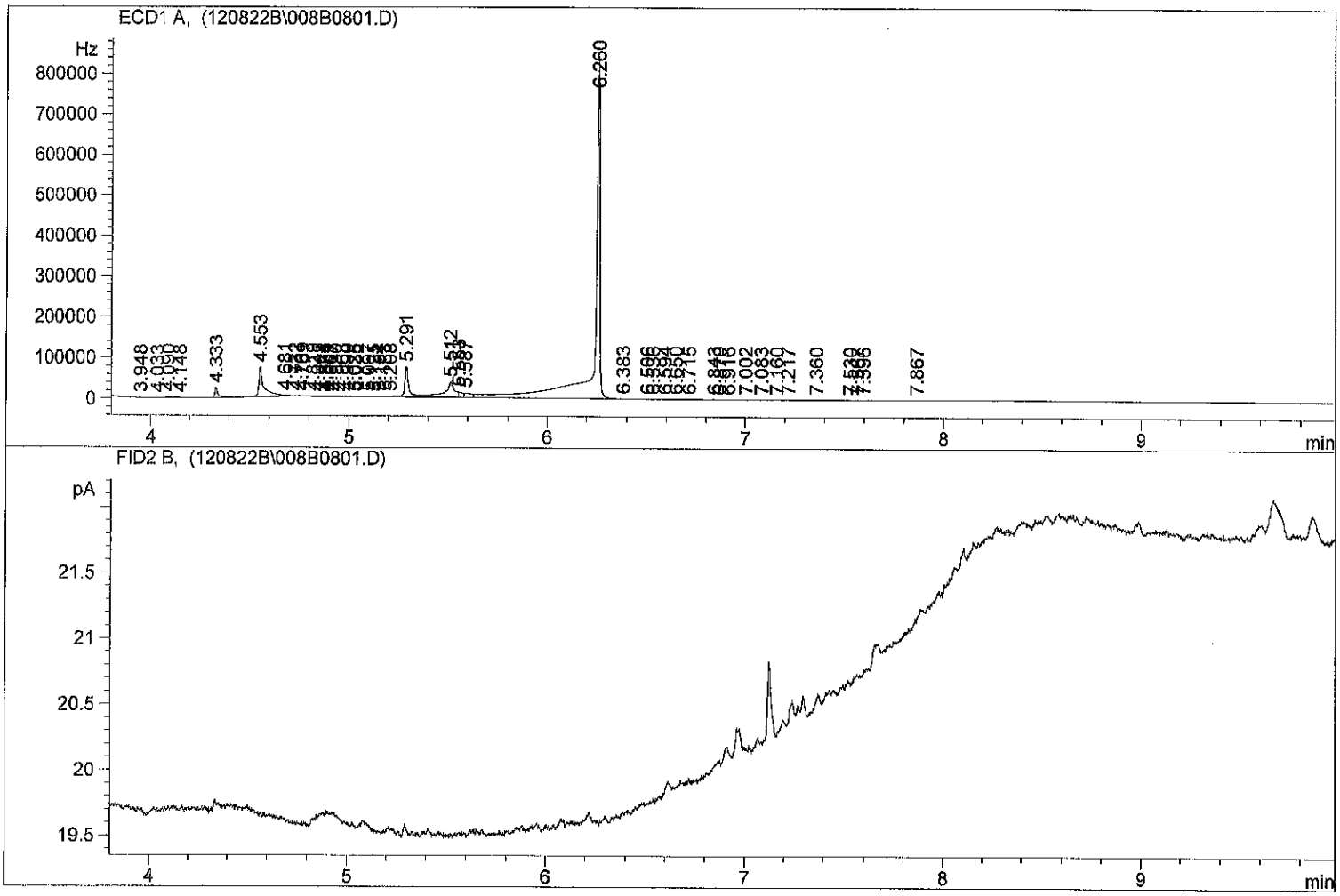
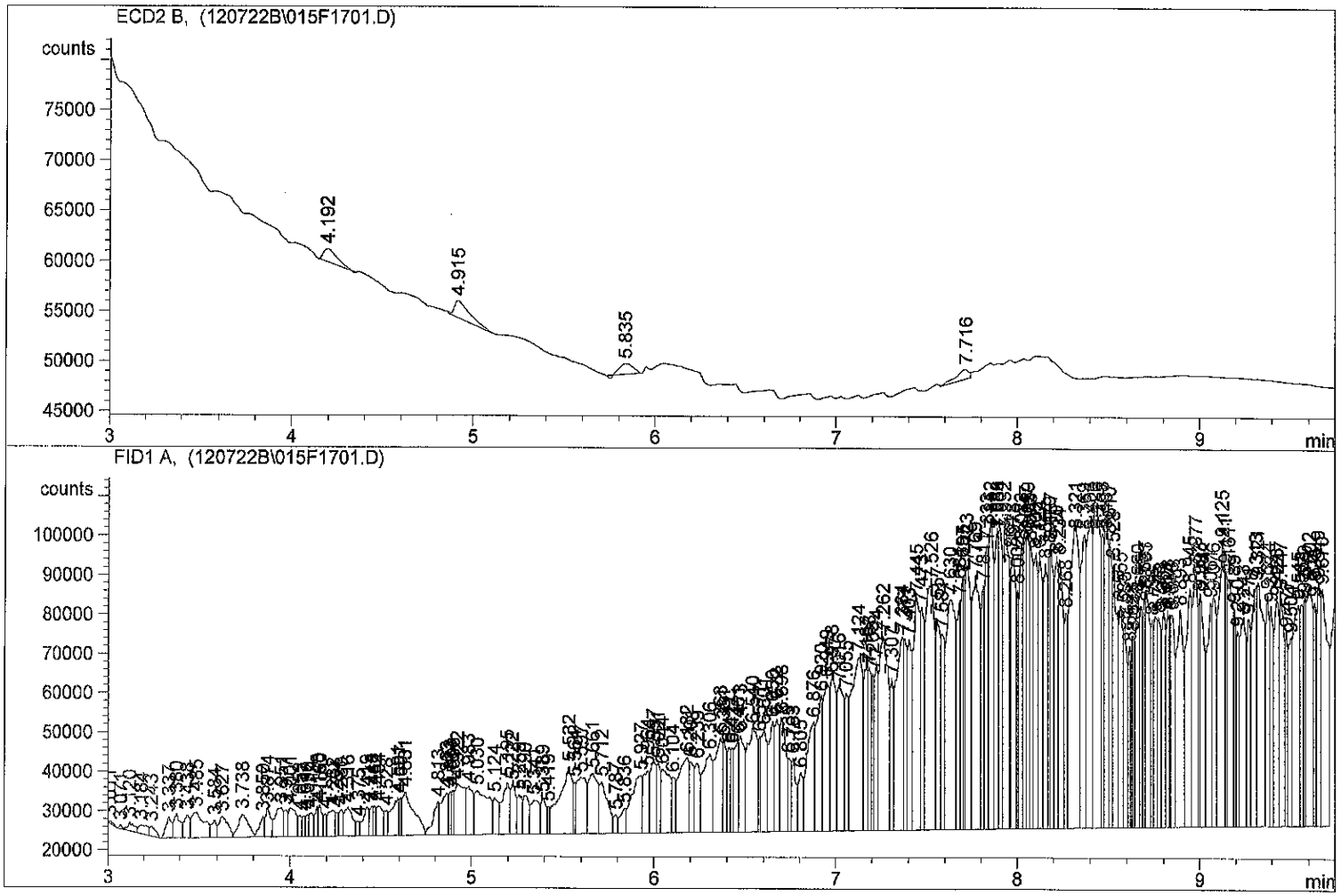


*** End of Report ***

Injection Date	: 12/8/2022 6:52:35 PM	Seq. Line	: 17
Sample Name	: 22L0136 12	Location	: Vial 15
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



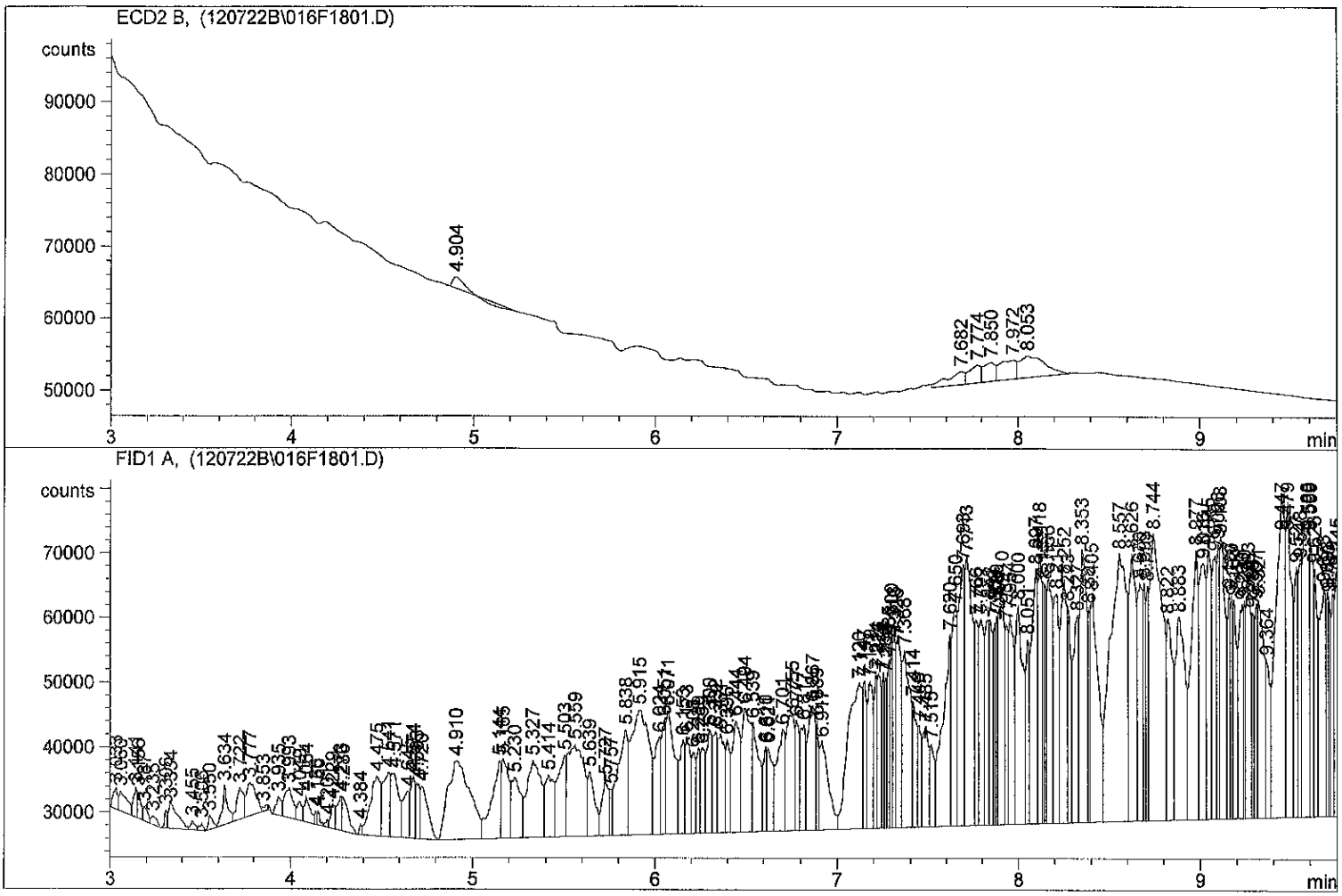
*** End of Report ***

```
Injection Date  : 12/8/2022 6:53:41 PM          Seq. Line :   9
Sample Name     : 22L0137 26                    Location : Vial 9
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
```

*** End of Report ***

Injection Date : 12/8/2022 7:06:10 PM Seq. Line : 18
Sample Name : 22L0136 13 Location : Vial 16
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

```
Injection Date  : 12/8/2022 7:08:26 PM          Seq. Line :  10
Sample Name     : 22L0137 27                    Location : Vial 10
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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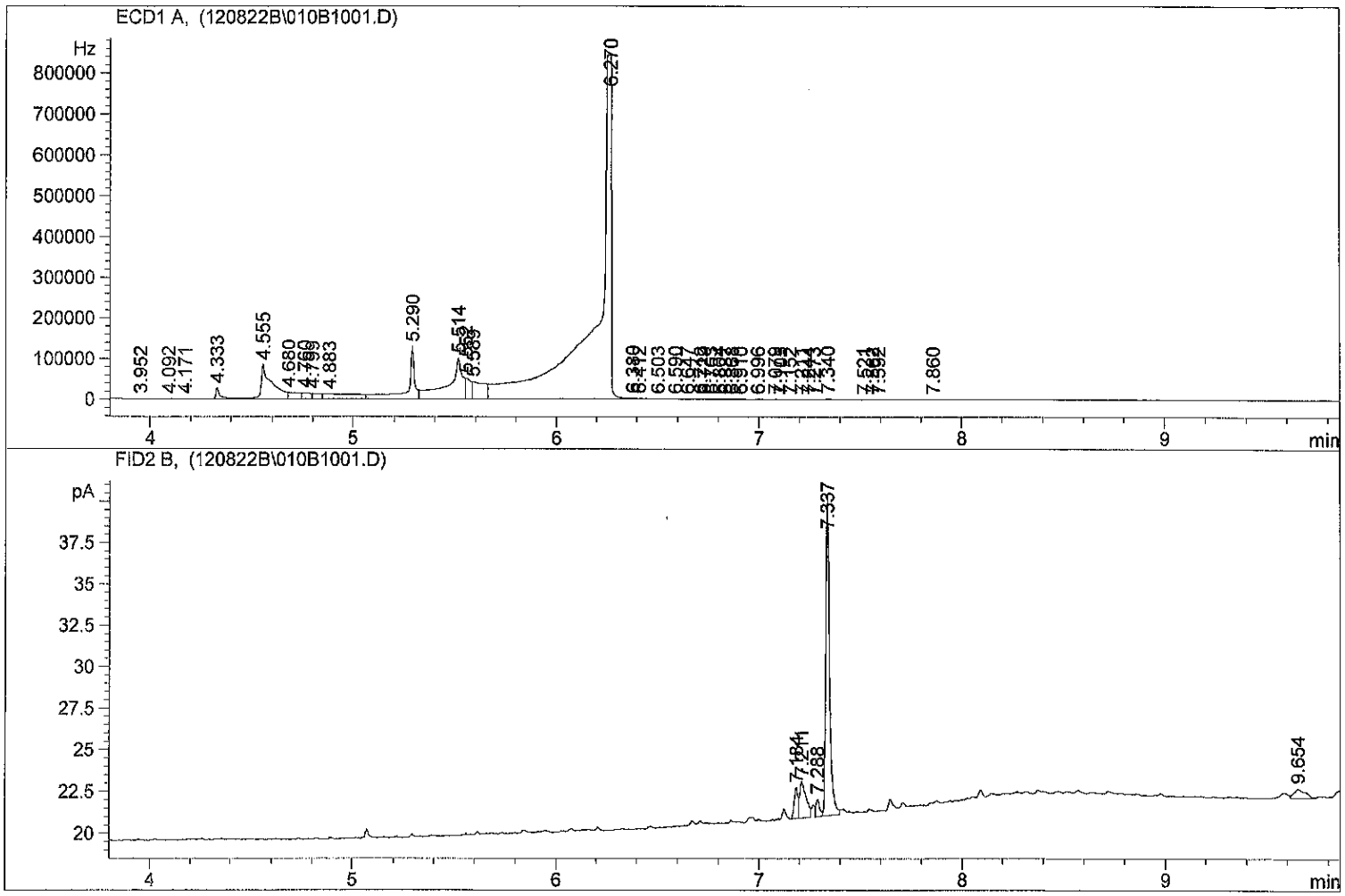
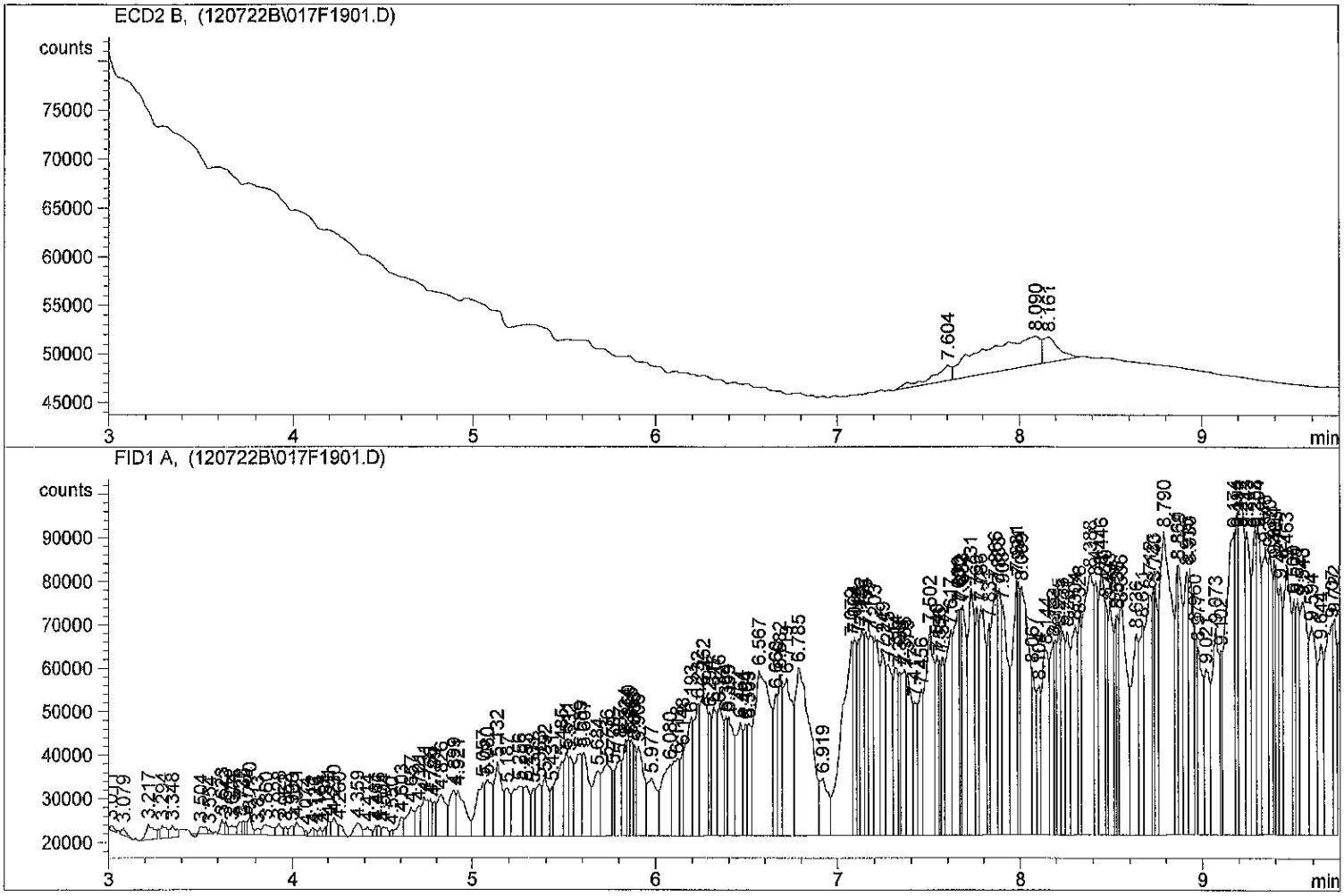


*** End of Report ***

Injection Date	: 12/8/2022 7:20:51 PM	Seq. Line	: 19
Sample Name	: 22L0136 14	Location	: Vial 17
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
==============================================================================
Injection Date  : 12/8/2022 7:23:14 PM          Seq. Line :  11
Sample Name     : 22L0137 28                     Location : Vial 11
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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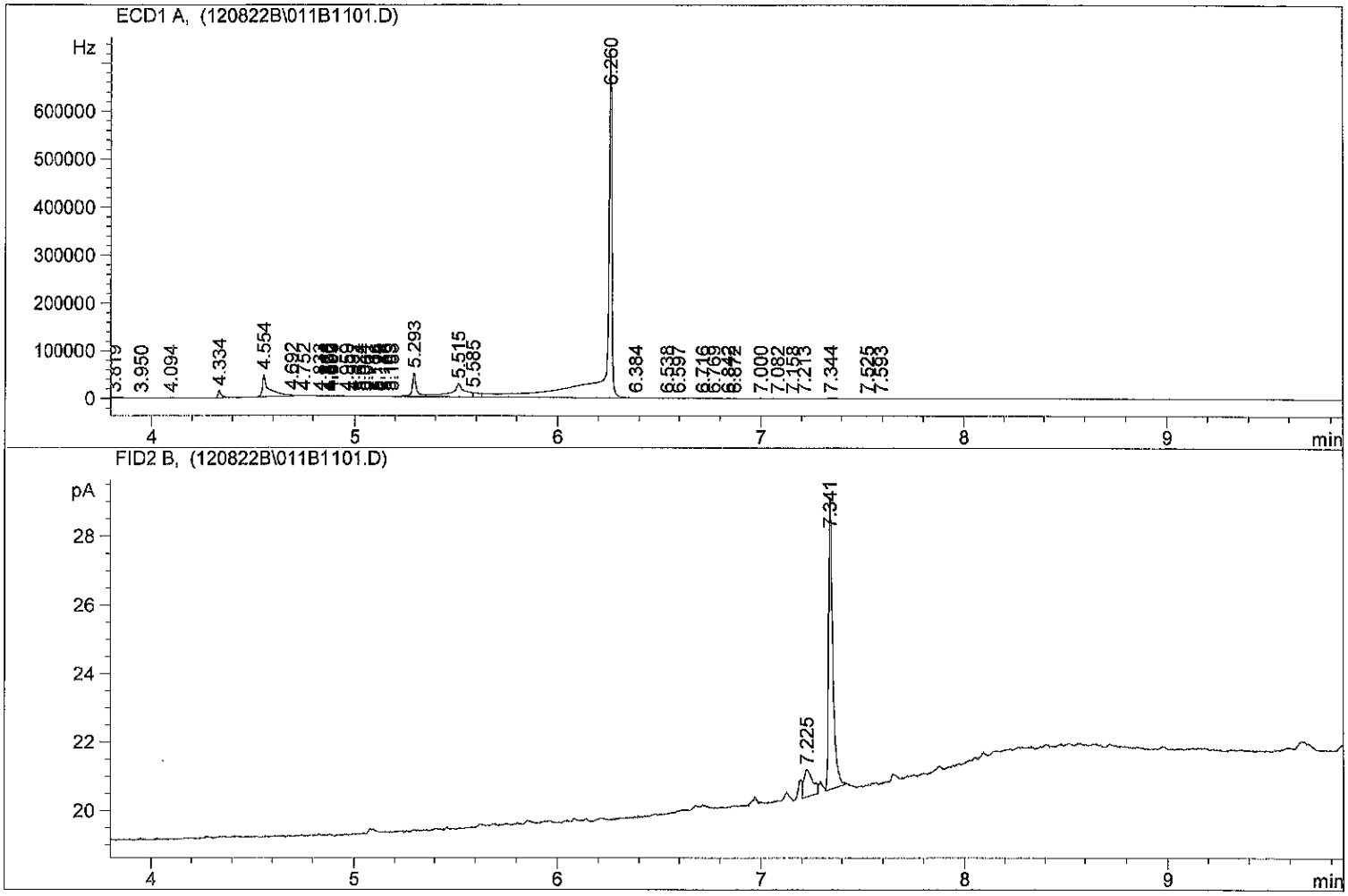
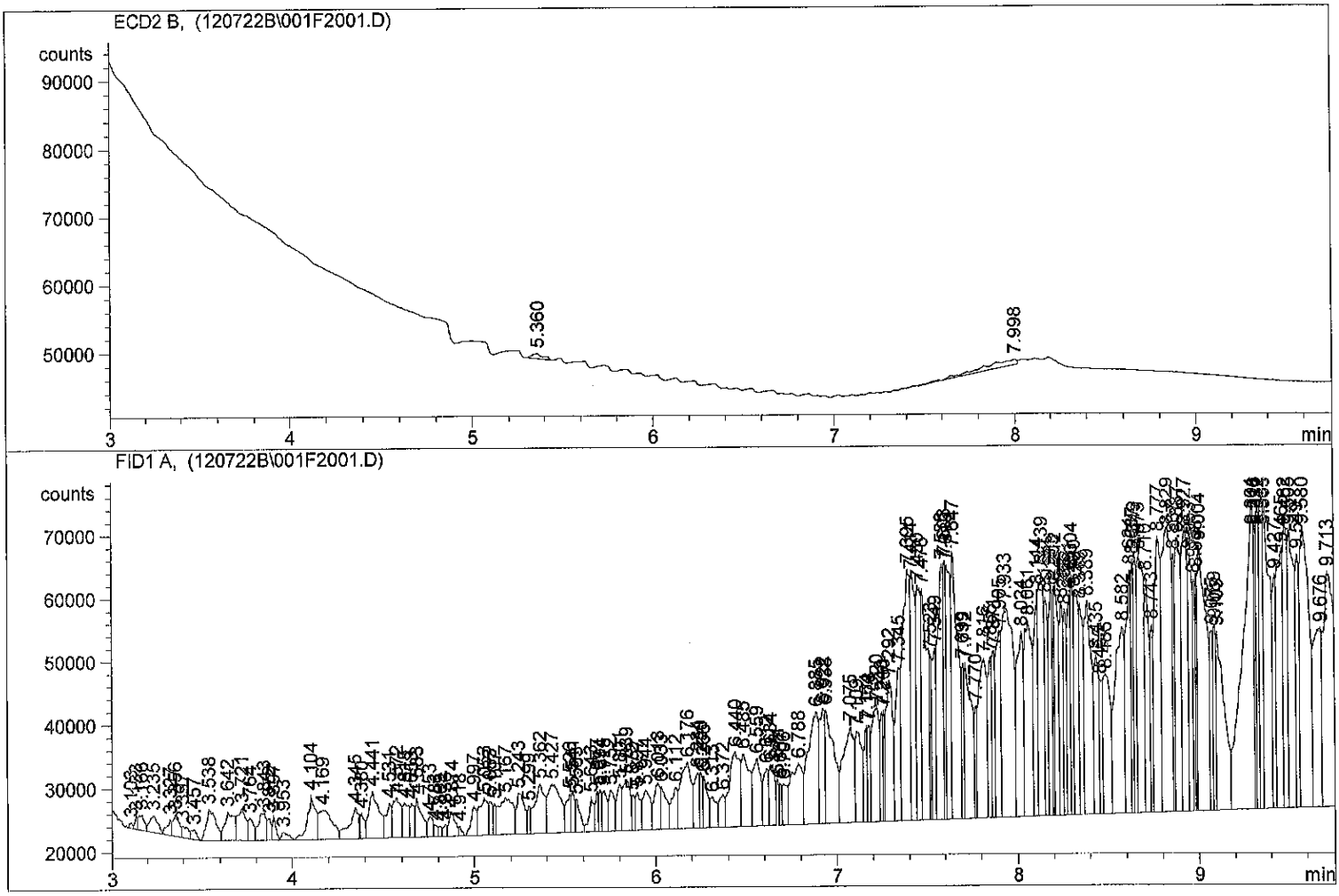


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\001F2001.D Sample Name: DCM RINSE

Injection Date	: 12/8/2022 7:35:29 PM	Seq. Line	: 20
Sample Name	: DCM RINSE	Location	: Vial 1
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 7:38:01 PM          Seq. Line :  12
Sample Name     : 22L0137 29                    Location : Vial 12
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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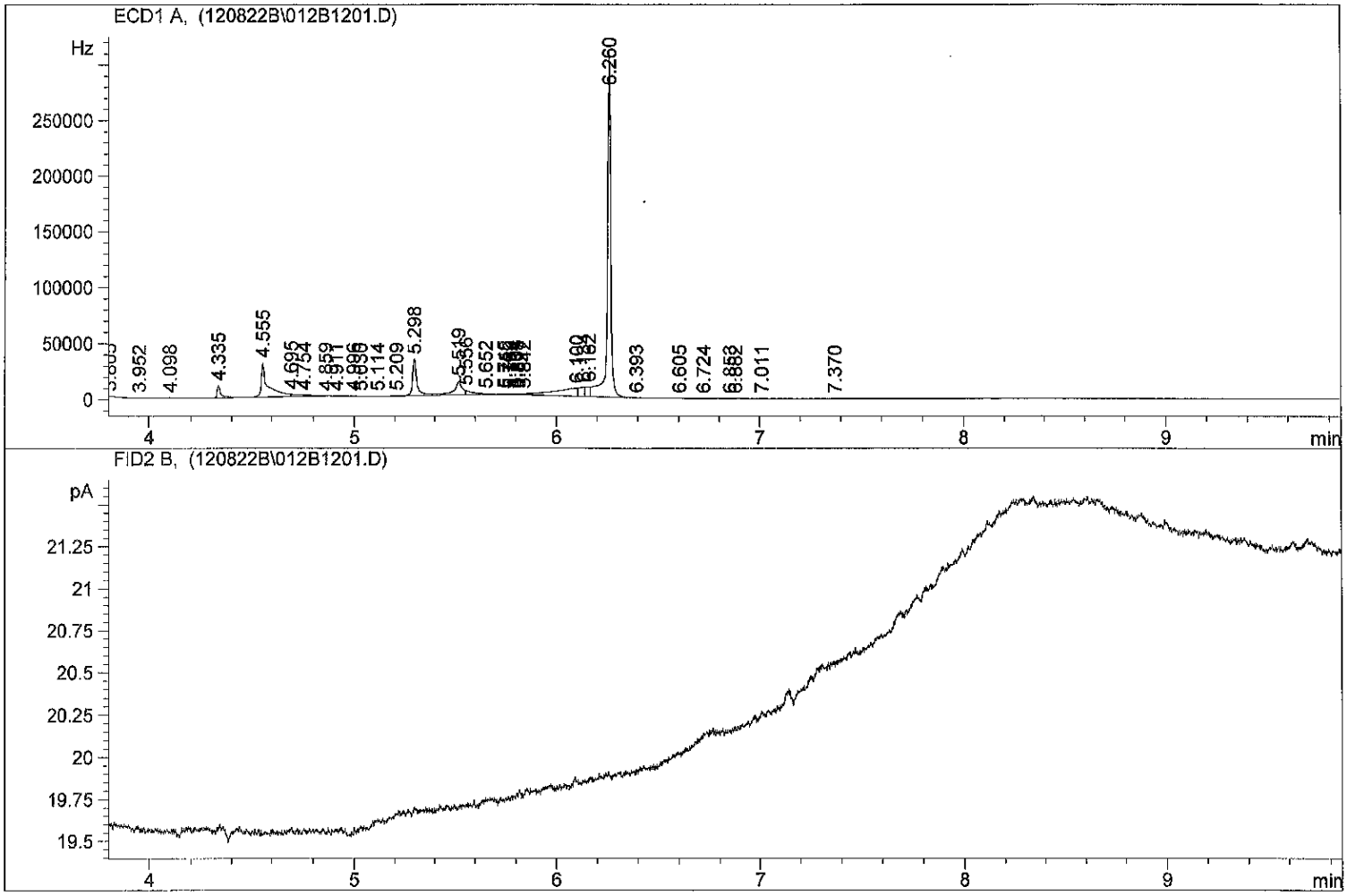

*** End of Report ***

```
Injection Date  : 12/8/2022 7:49:07 PM          Seq. Line :  21
Sample Name     : PNA STD 10PPM                  Location : Vial 2
Acq. Operator   : YL                                Inj :   1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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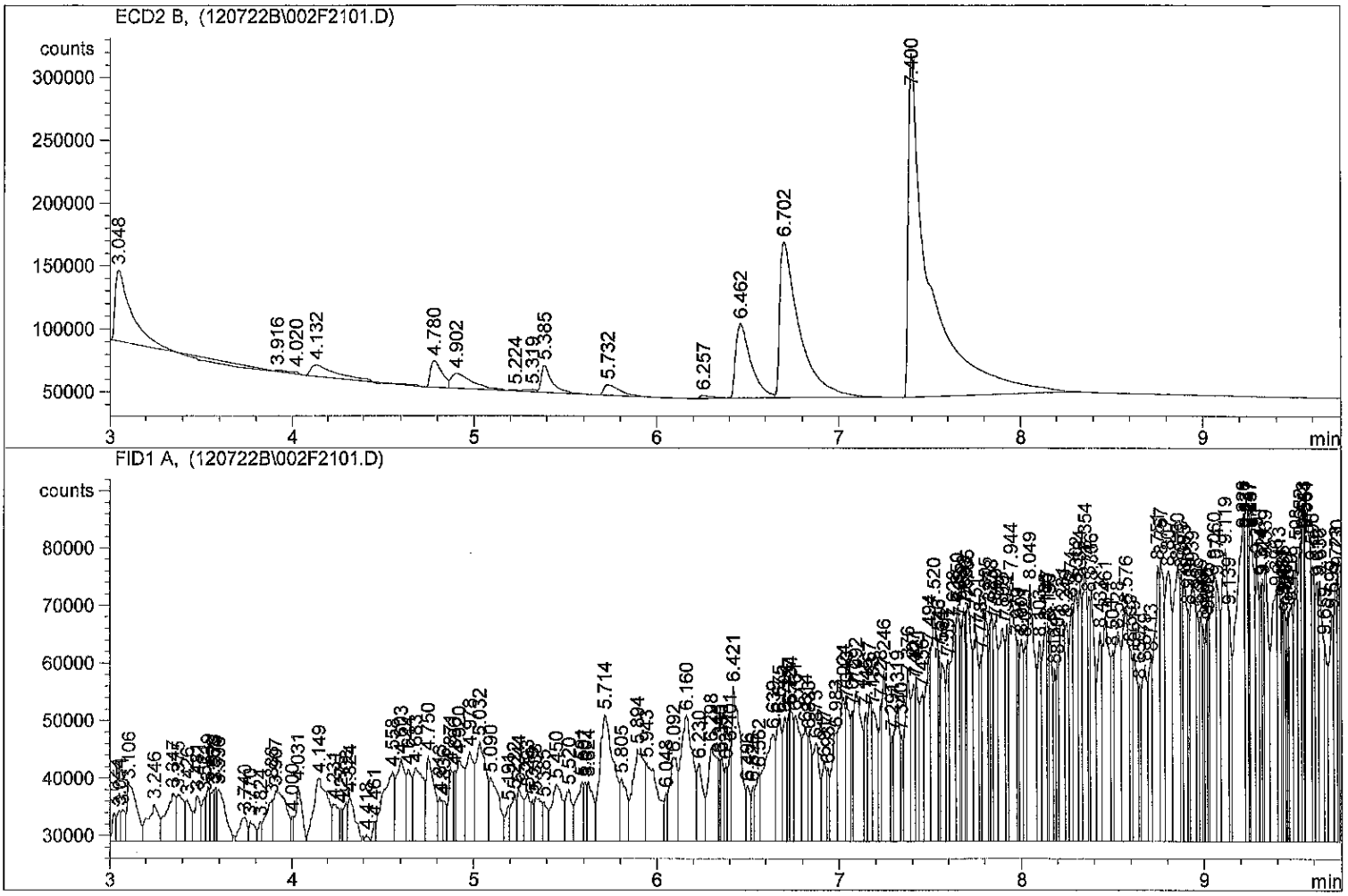

*** End of Report ***

```
Injection Date  : 12/8/2022 7:52:50 PM          Seq. Line :  13
Sample Name     : 22L0137 30                    Location : Vial 13
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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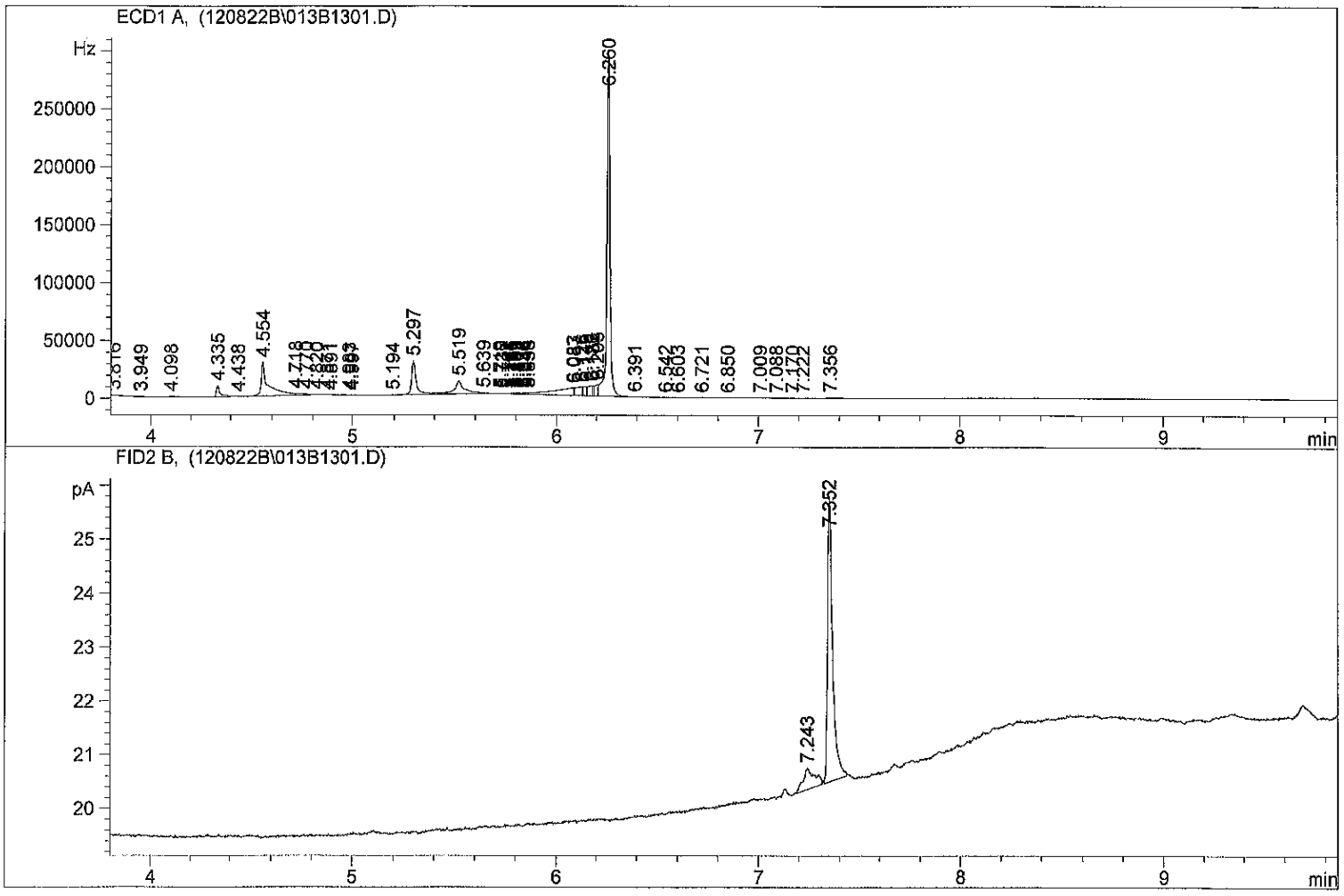
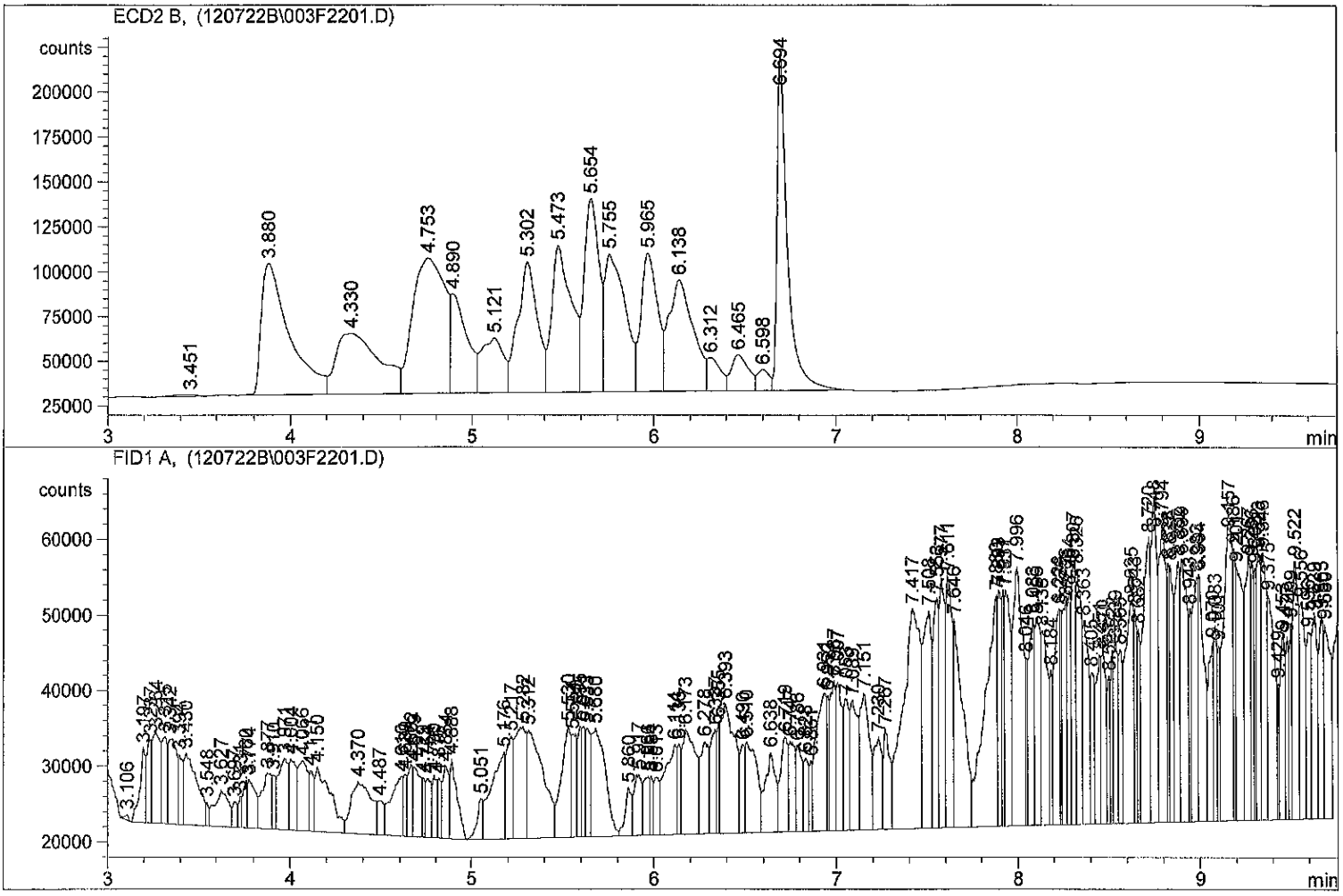


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\003F2201.D Sample Name: AR1660 1PPM

Injection Date	: 12/8/2022 8:03:58 PM	Seq. Line	: 22
Sample Name	: AR1660 1PPM	Location	: Vial 3
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 8:04:51 PM          Seq. Line :  14
Sample Name     : 22L0137 31                    Location : Vial 14
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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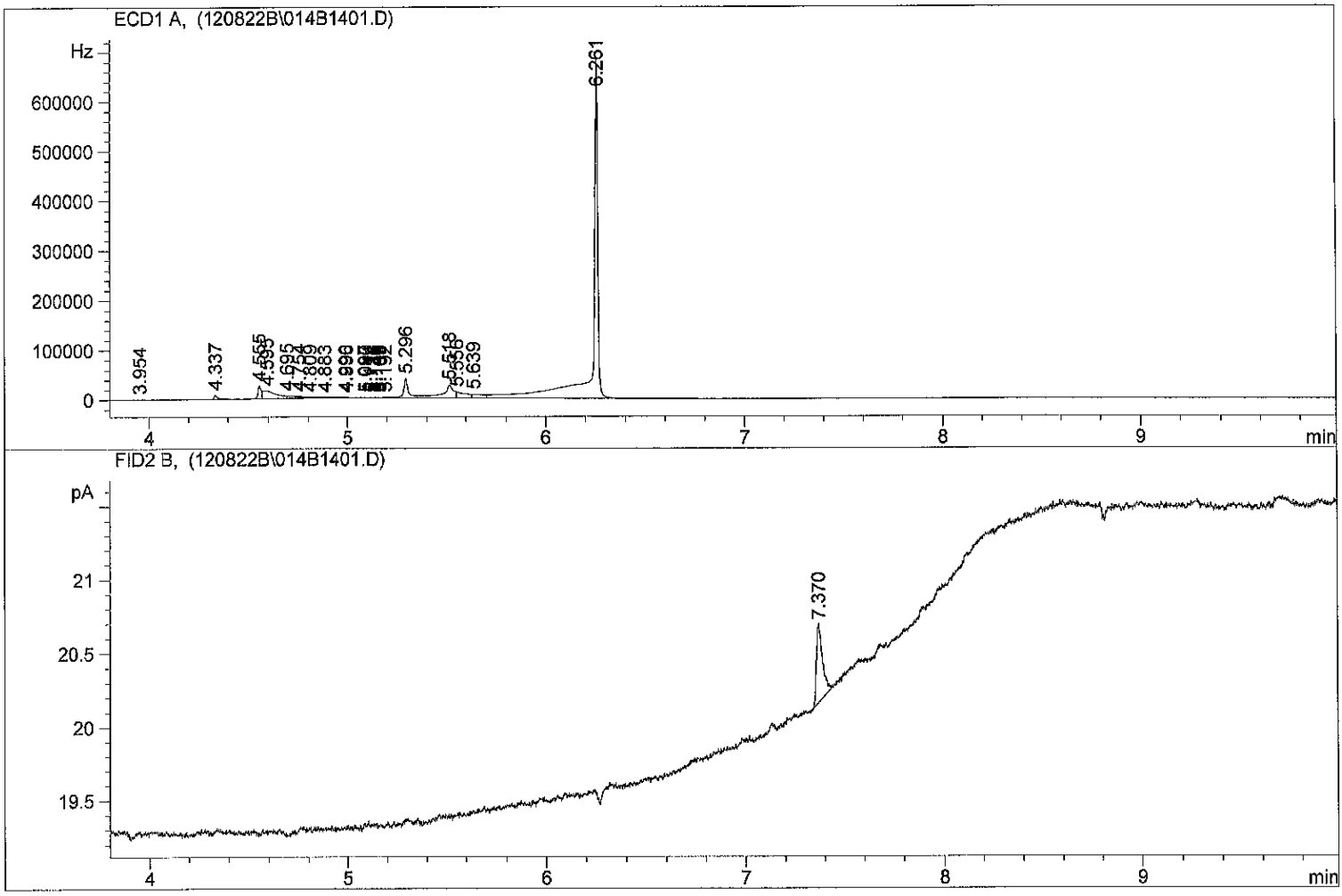
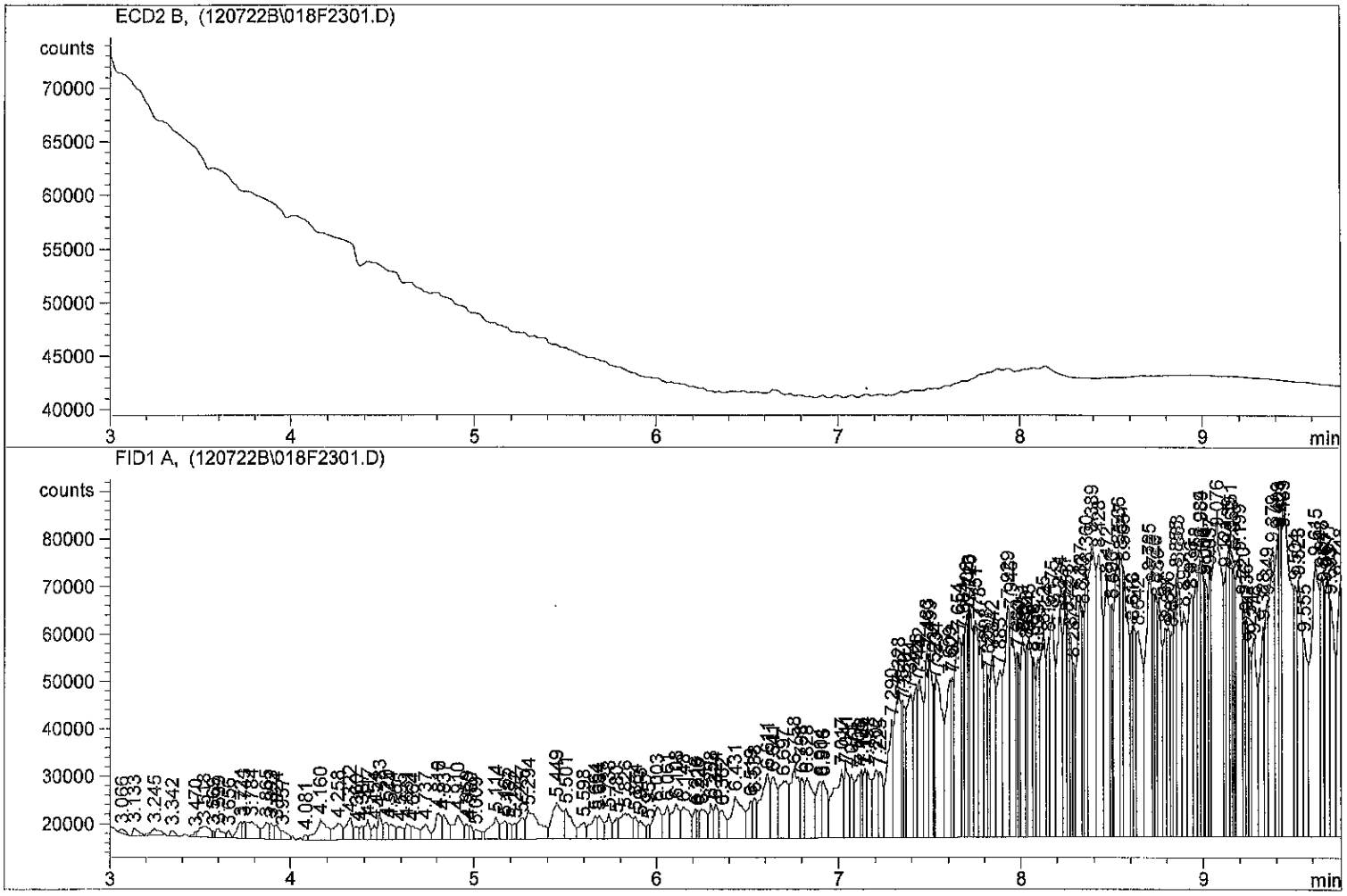


*** End of Report ***

Injection Date	: 12/8/2022 8:20:37 PM	Seq. Line	: 23
Sample Name	: 22L0137 01	Location	: Vial 18
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 8:22:31 PM          Seq. Line :  15
Sample Name     : 22L0137 32                    Location : Vial 15
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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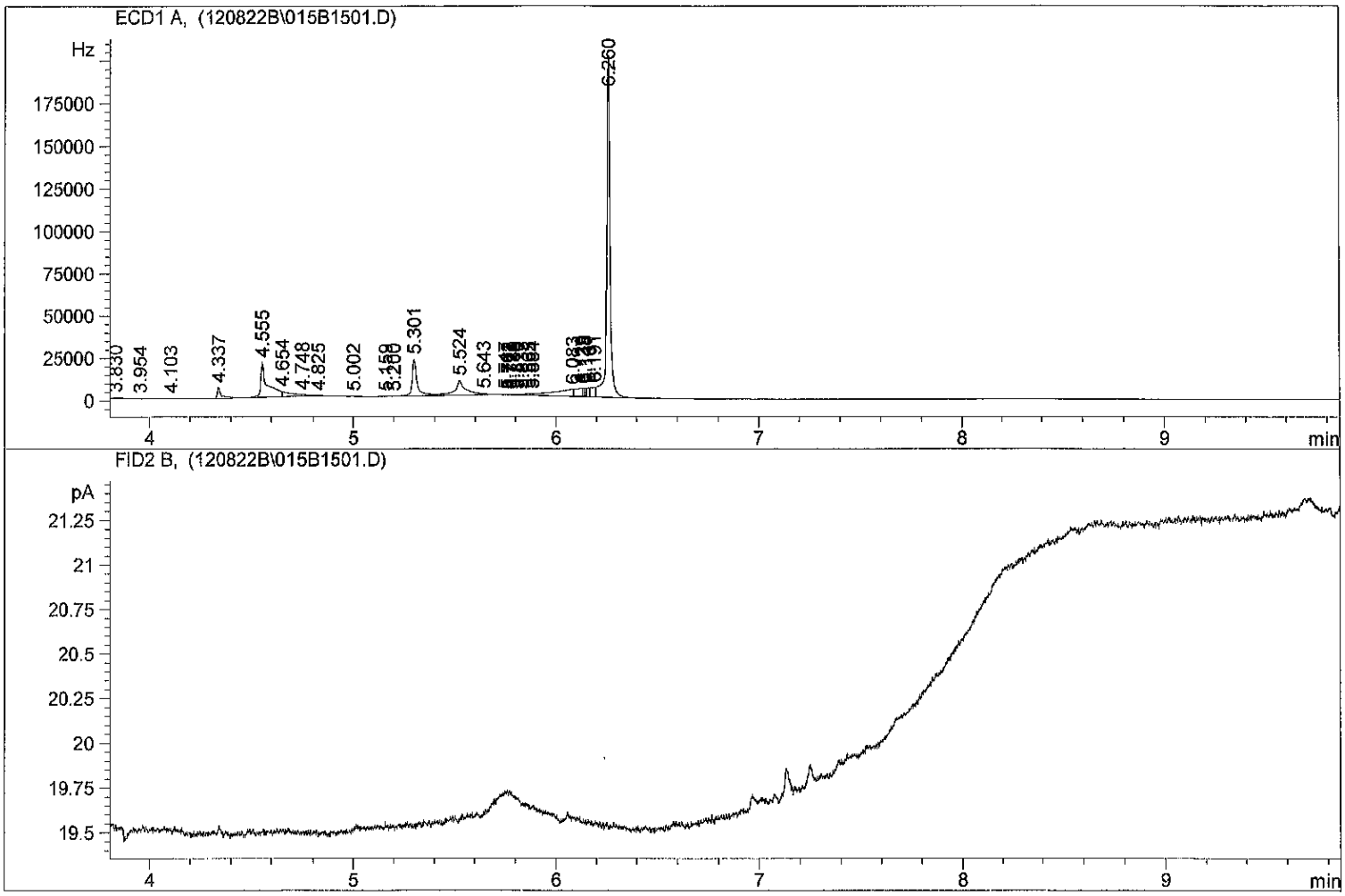
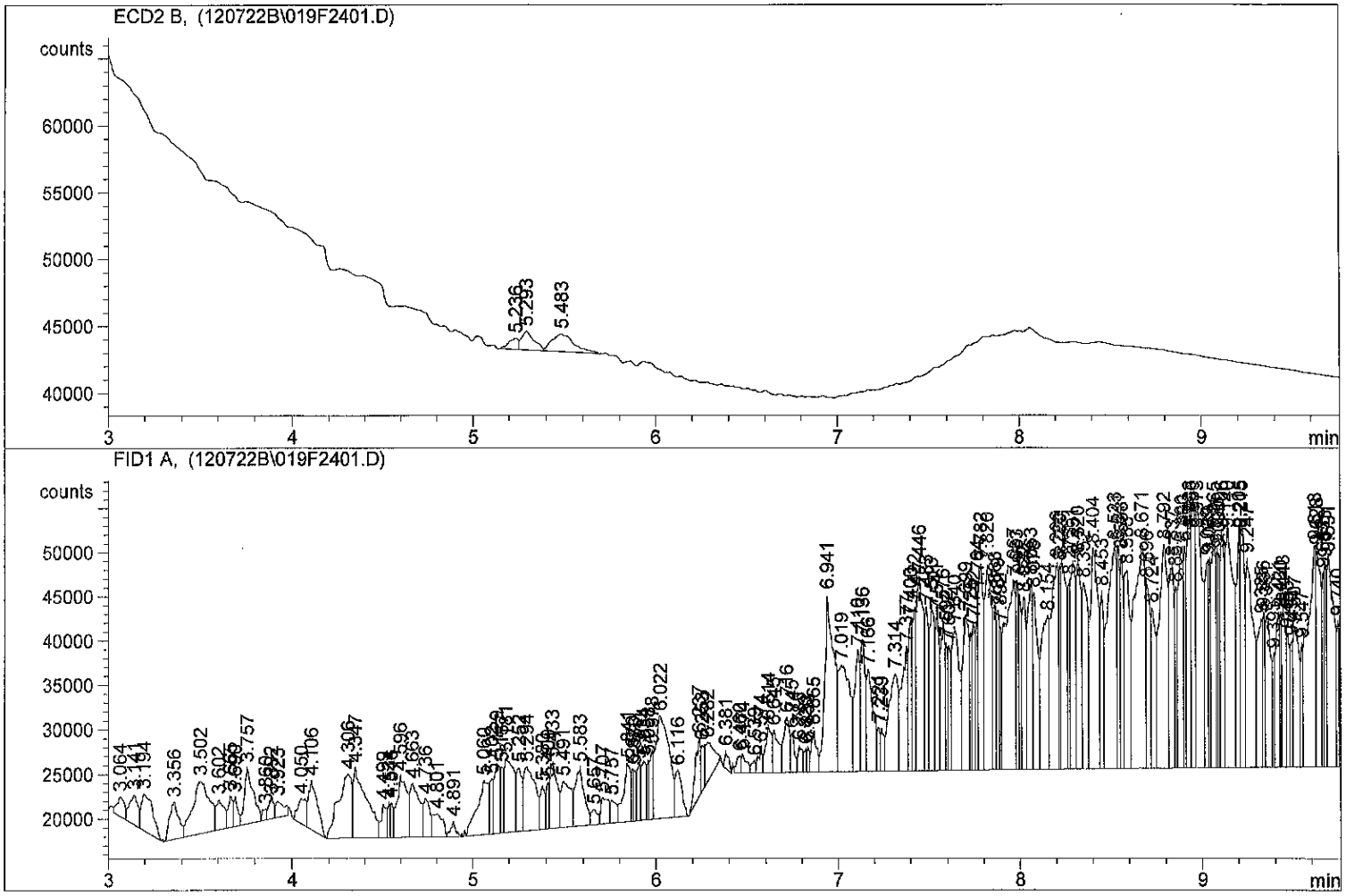


*** End of Report ***

Injection Date : 12/8/2022 8:34:35 PM Seq. Line : 24
Sample Name : 22L0137 02 Location : Vial 19
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

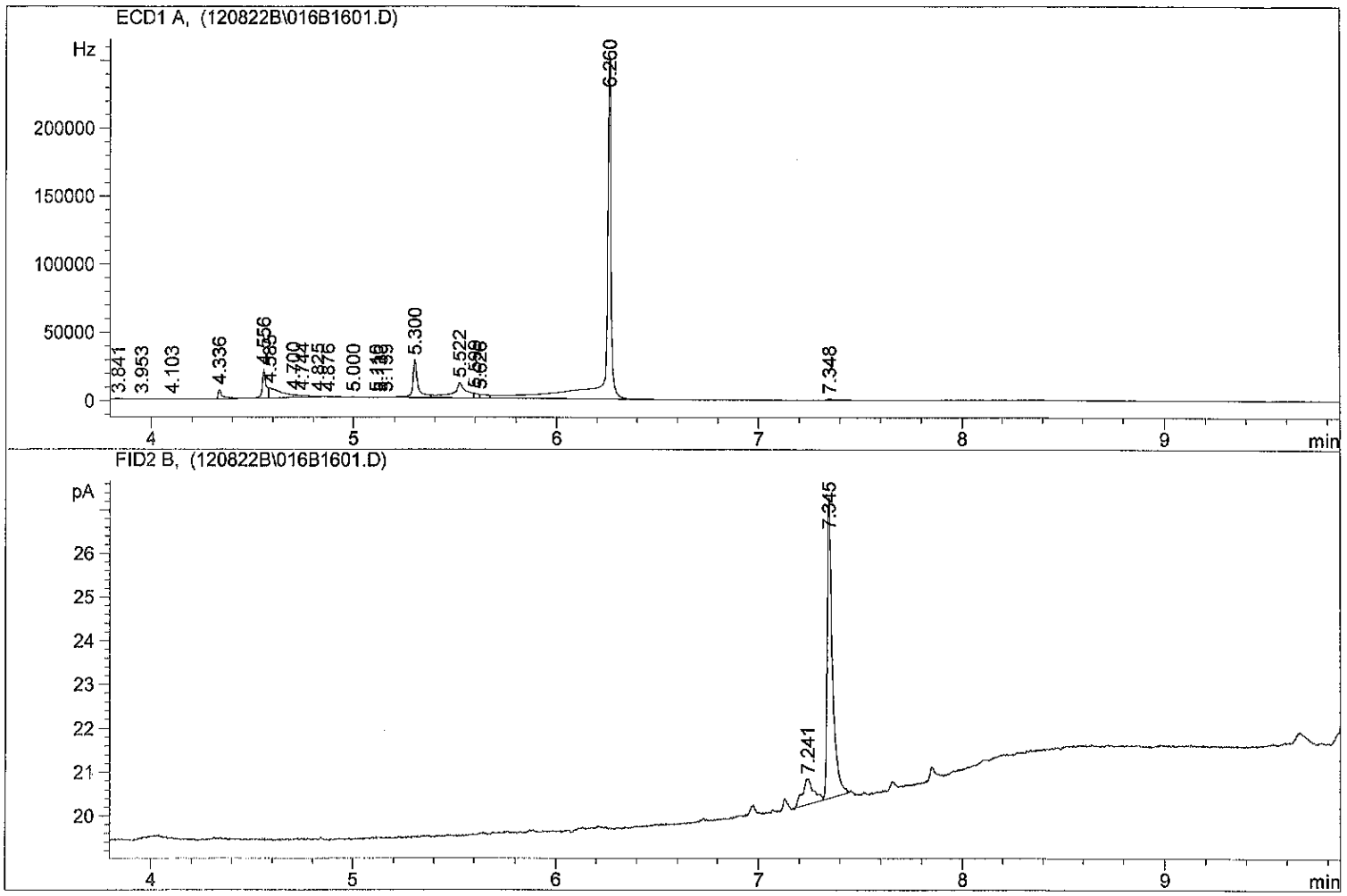
Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

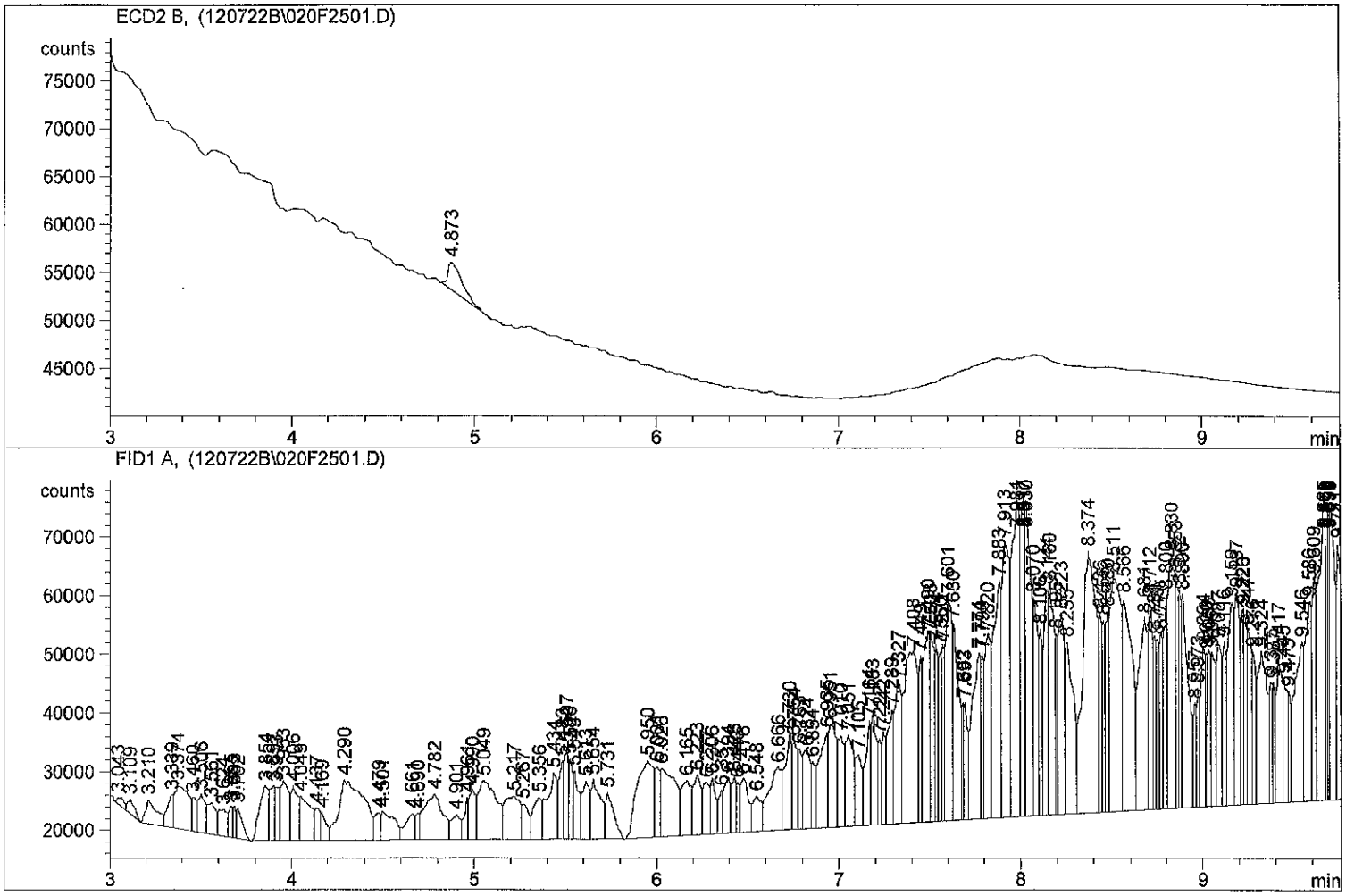
Data File C:\HPCHEM\2\DATA\120822B\016B1601.D Sample Name: 22L0137 33

Injection Date	: 12/8/2022 8:37:18 PM	Seq. Line	: 16
Sample Name	: 22L0137 33	Location	: Vial 16
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

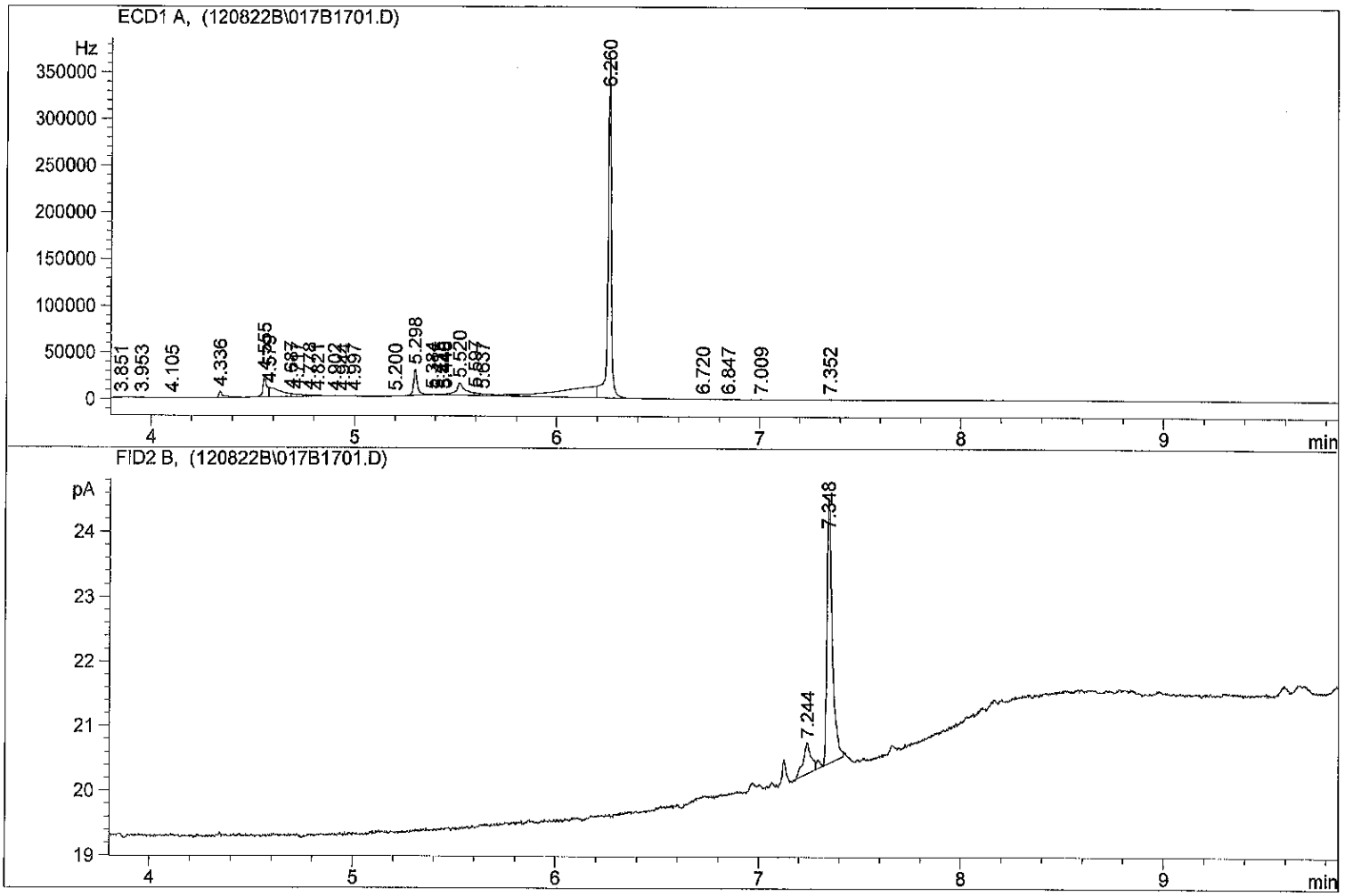
Injection Date	: 12/8/2022 8:49:15 PM	Seq. Line	: 25
Sample Name	: 22L0137 03	Location	: Vial 20
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\017B1701.D Sample Name: 22L0137 34

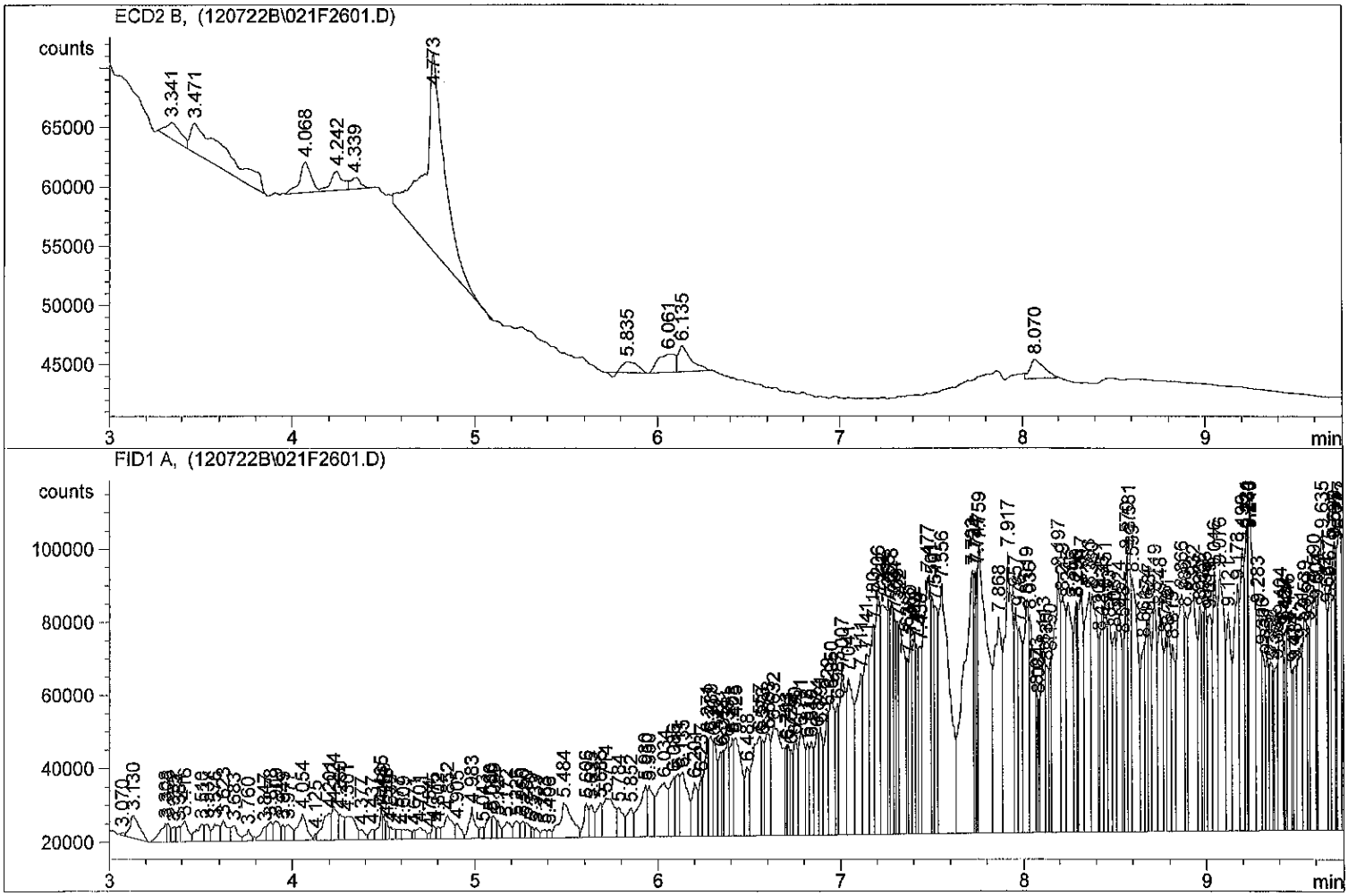
Injection Date	: 12/8/2022 8:52:07 PM	Seq. Line	: 17
Sample Name	: 22L0137 34	Location	: Vial 17
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

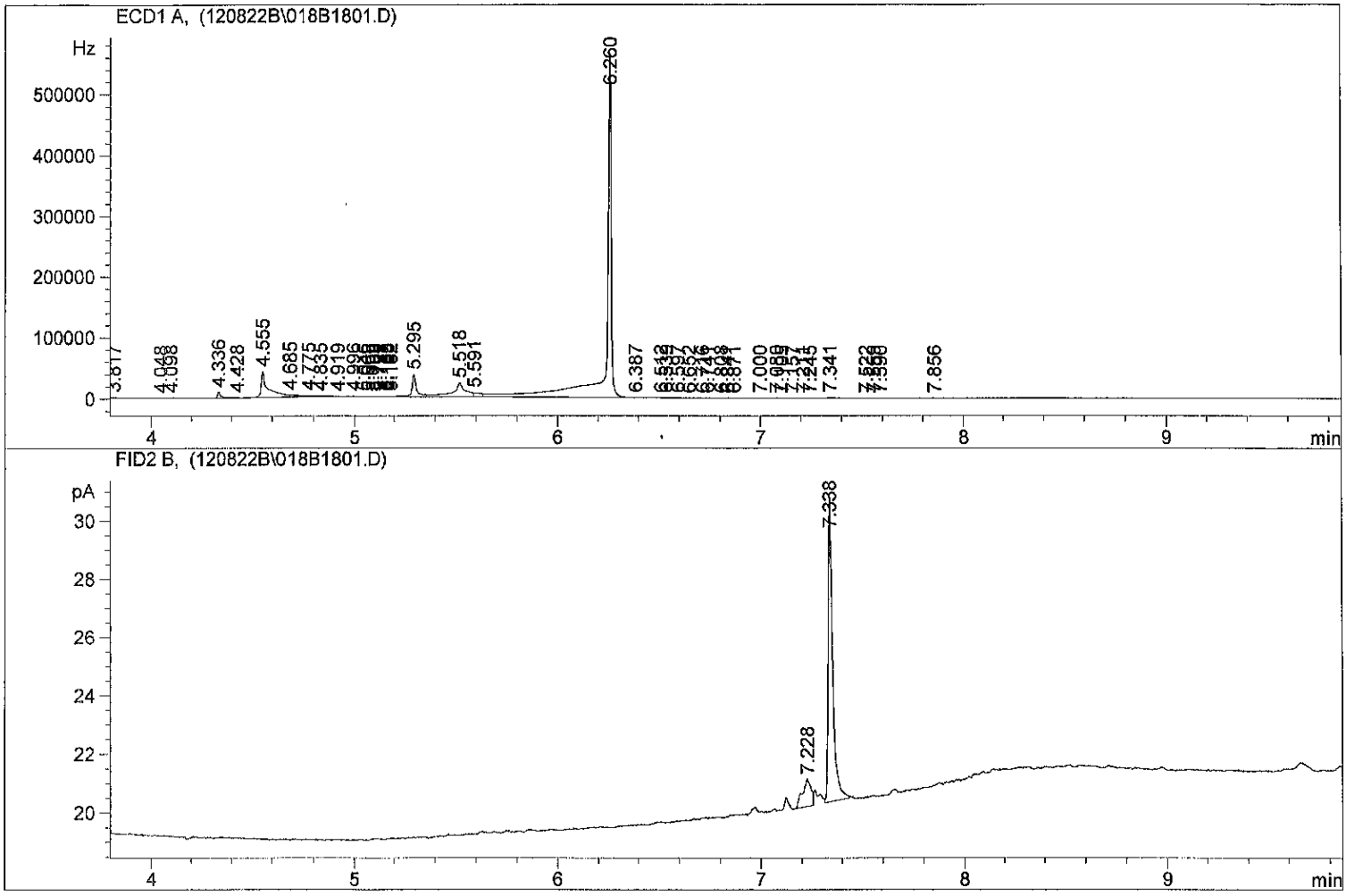
Injection Date : 12/8/2022 9:04:36 PM Seq. Line : 26
Sample Name : 22L0137 04 Location : Vial 21
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

Injection Date	: 12/8/2022 9:06:55 PM	Seq. Line	: 18
Sample Name	: 22L0137 35	Location	: Vial 18
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

```
Injection Date  : 12/8/2022 9:18:52 PM          Seq. Line :  27
Sample Name     : 22L0137 05                    Location : Vial 22
Acq. Operator   : YL                               Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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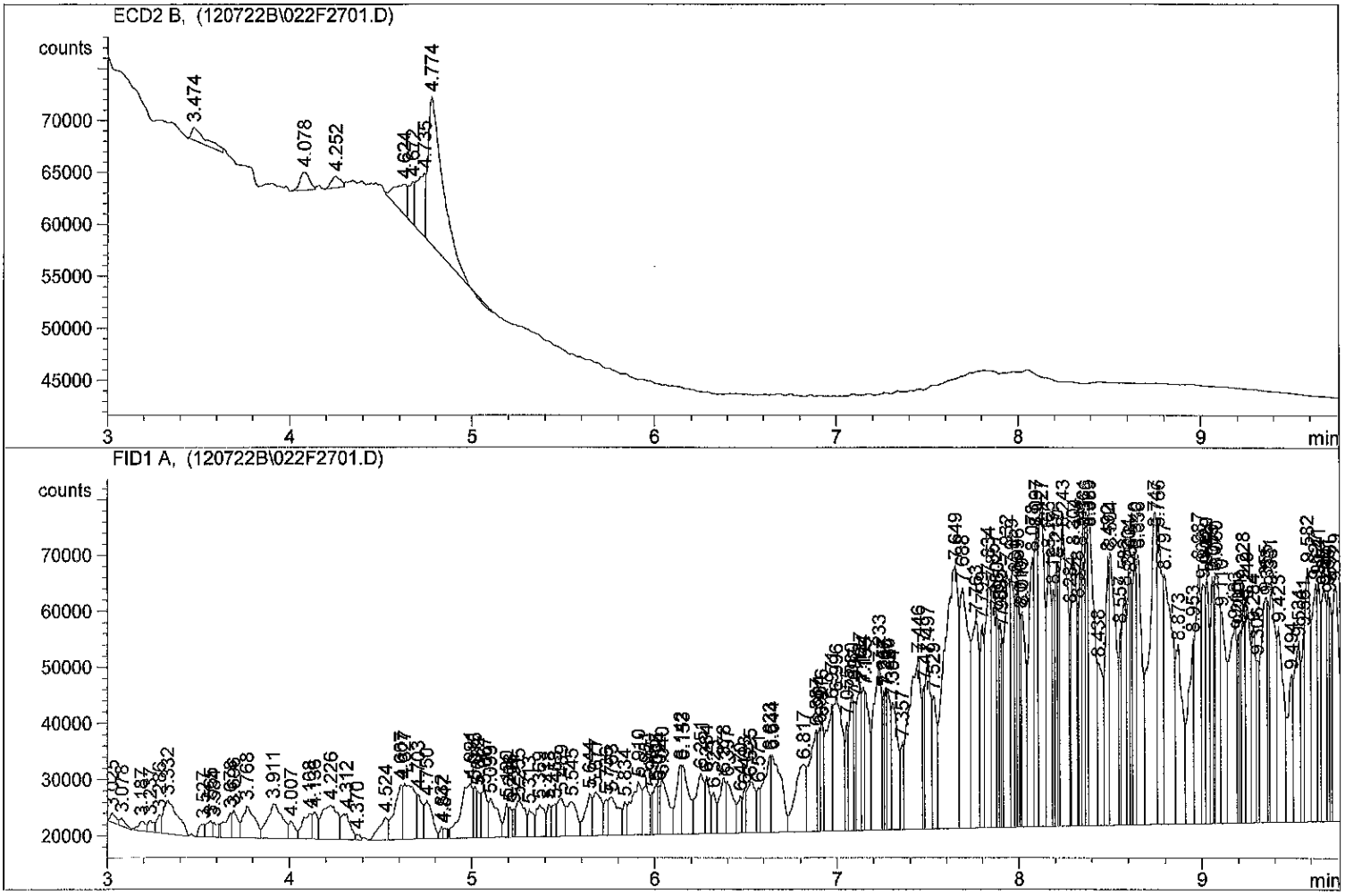

*** End of Report ***

```
==========================================================================
Injection Date  : 12/8/2022 9:21:45 PM          Seq. Line :  19
Sample Name     : 22L0137 36                     Location : Vial 19
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
==========================================================================
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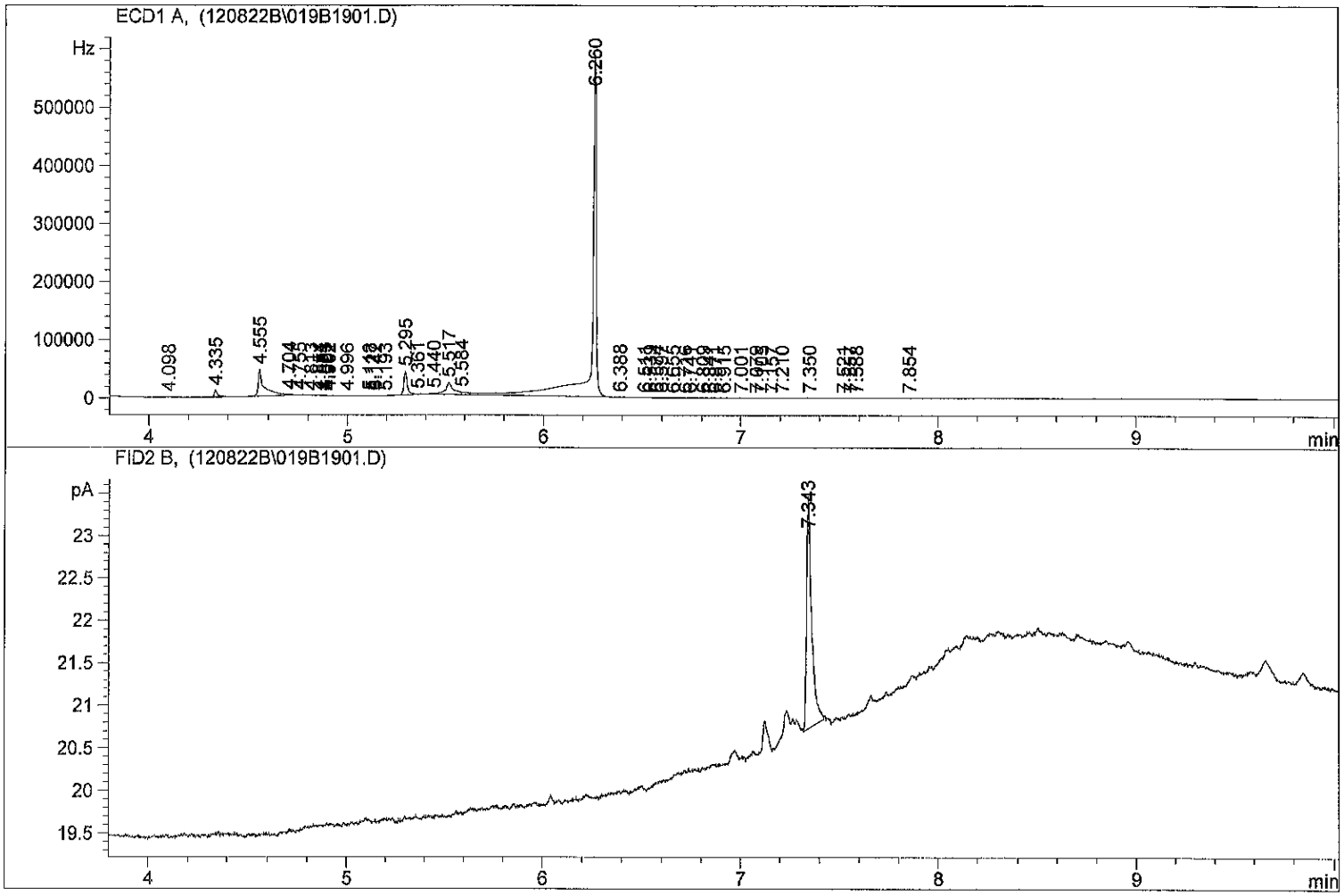
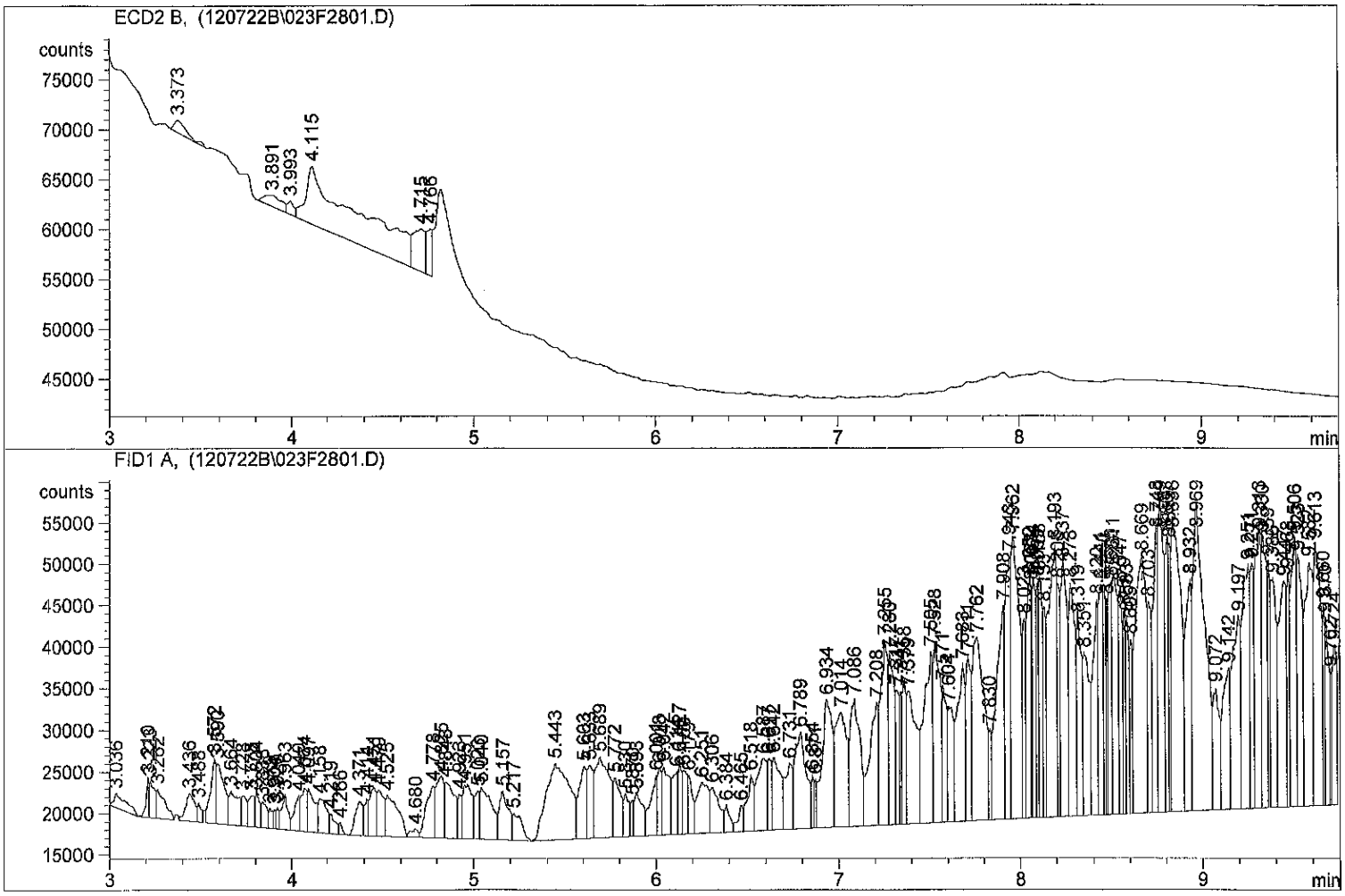


*** End of Report ***

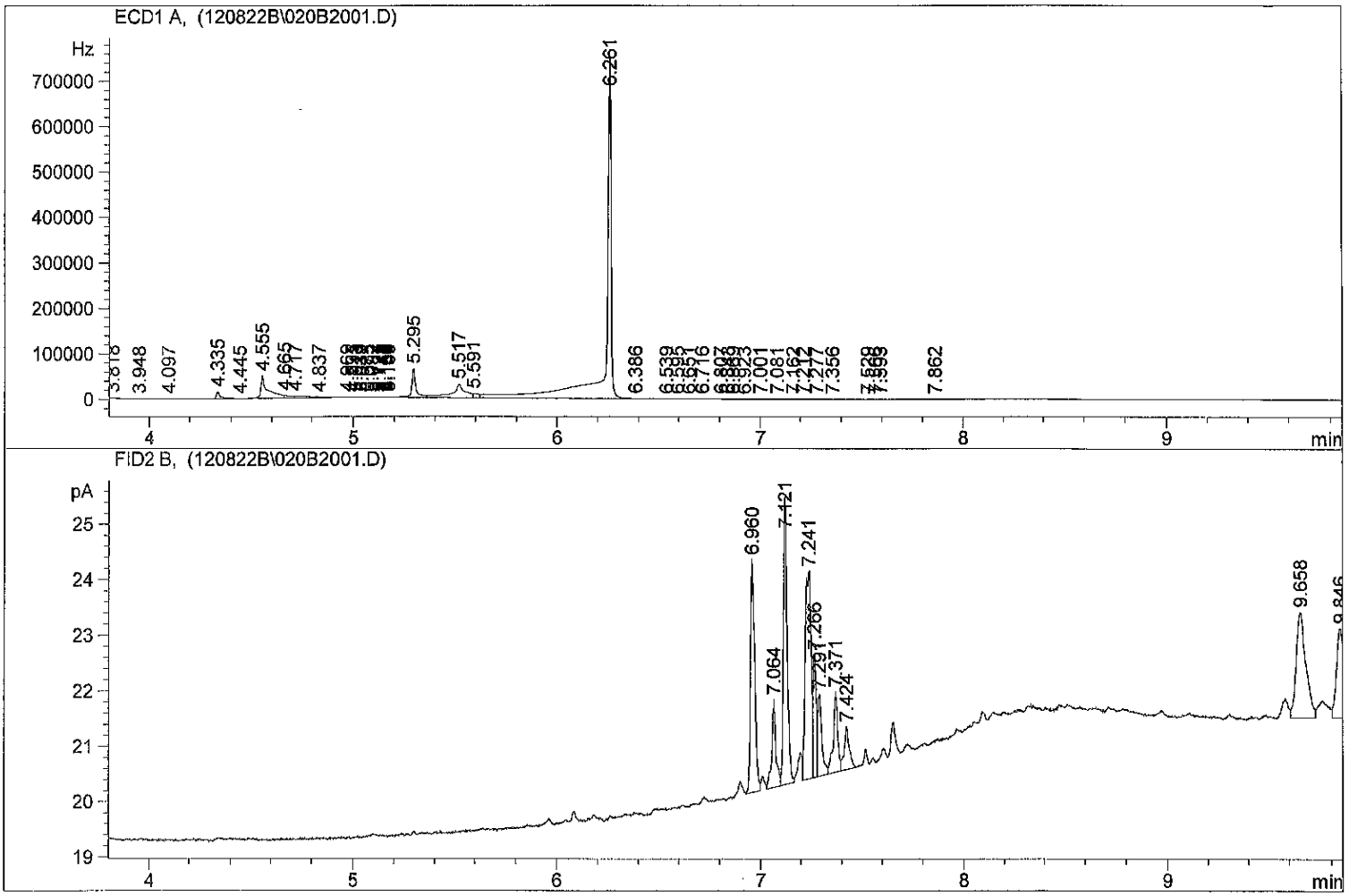
Injection Date	: 12/8/2022 9:30:49 PM	Seq. Line	: 28
Sample Name	: 22L0137 06	Location	: Vial 23
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\020B2001.D Sample Name: 22L0137 37

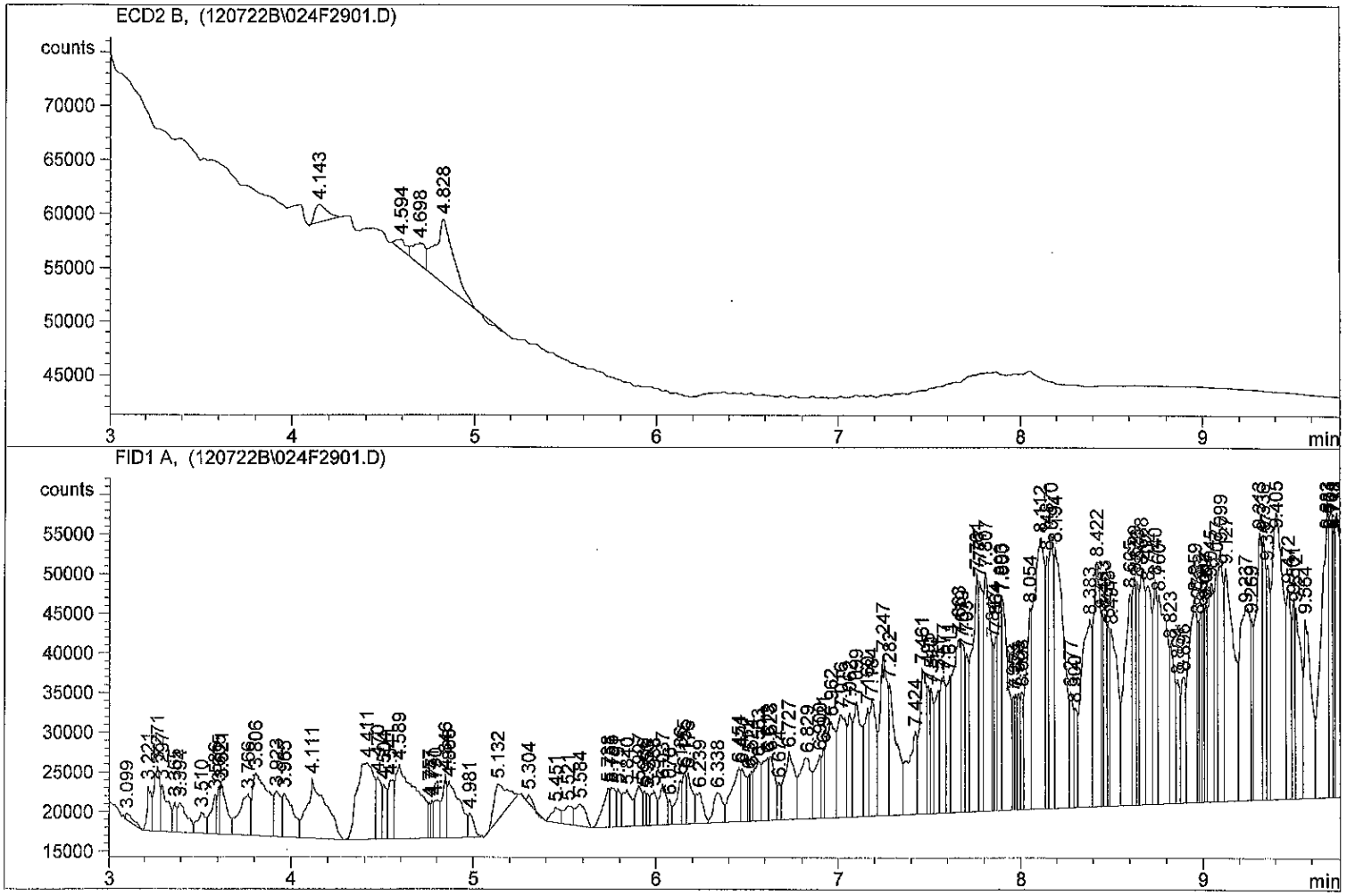
Injection Date	: 12/8/2022 9:33:34 PM	Seq. Line	: 20
Sample Name	: 22L0137 37	Location	: Vial 20
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\024F2901.D Sample Name: 22L0137 07

Injection Date	: 12/8/2022 9:49:10 PM	Seq. Line	: 29
Sample Name	: 22L0137 07	Location	: Vial 24
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 9:51:19 PM          Seq. Line :  21
Sample Name     : 22L0137 38                    Location : Vial 21
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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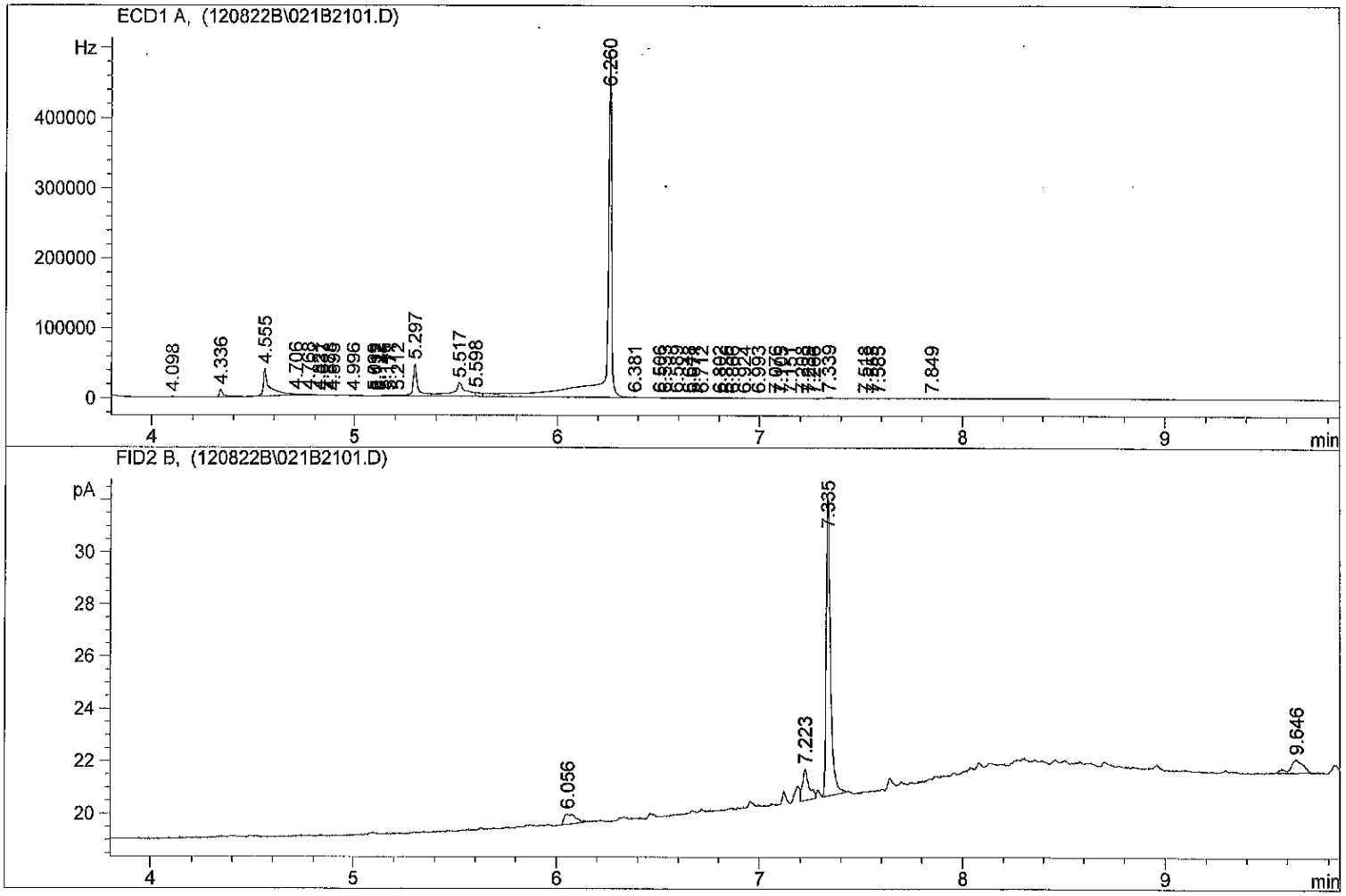
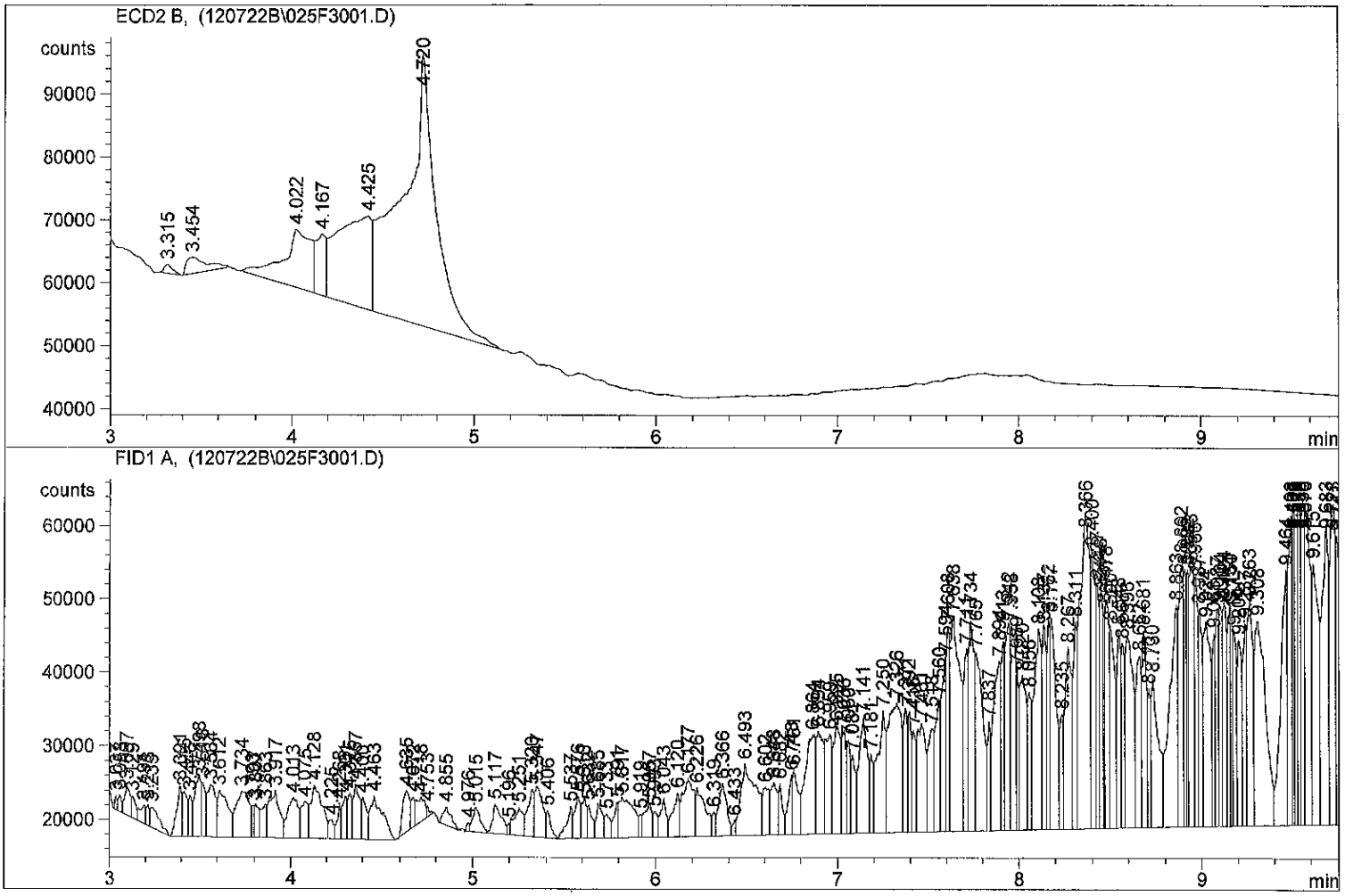


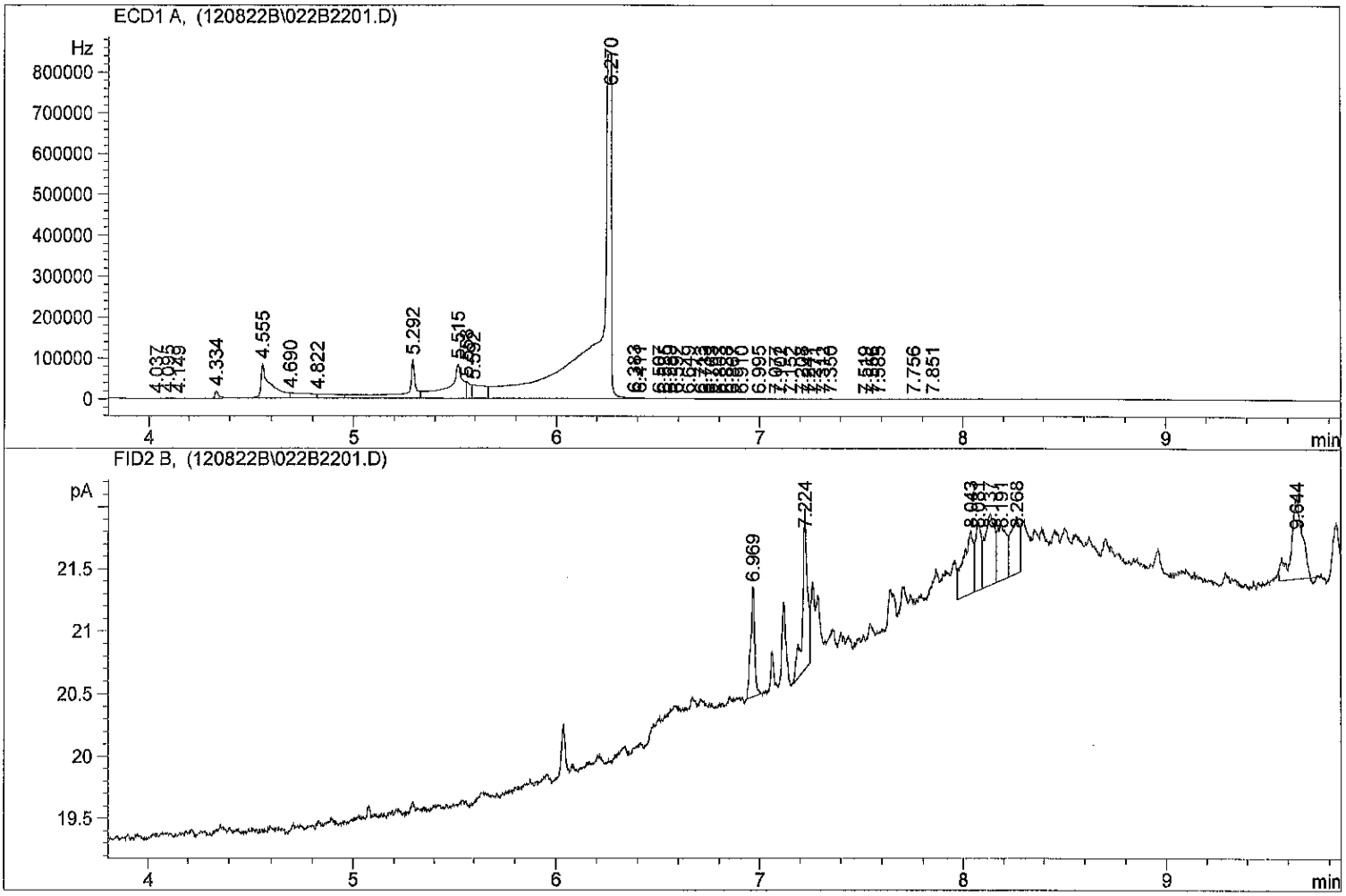
*** End of Report ***

Injection Date	: 12/8/2022 10:03:33 PM	Seq. Line	: 30
Sample Name	: 22L0137 08	Location	: Vial 25
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

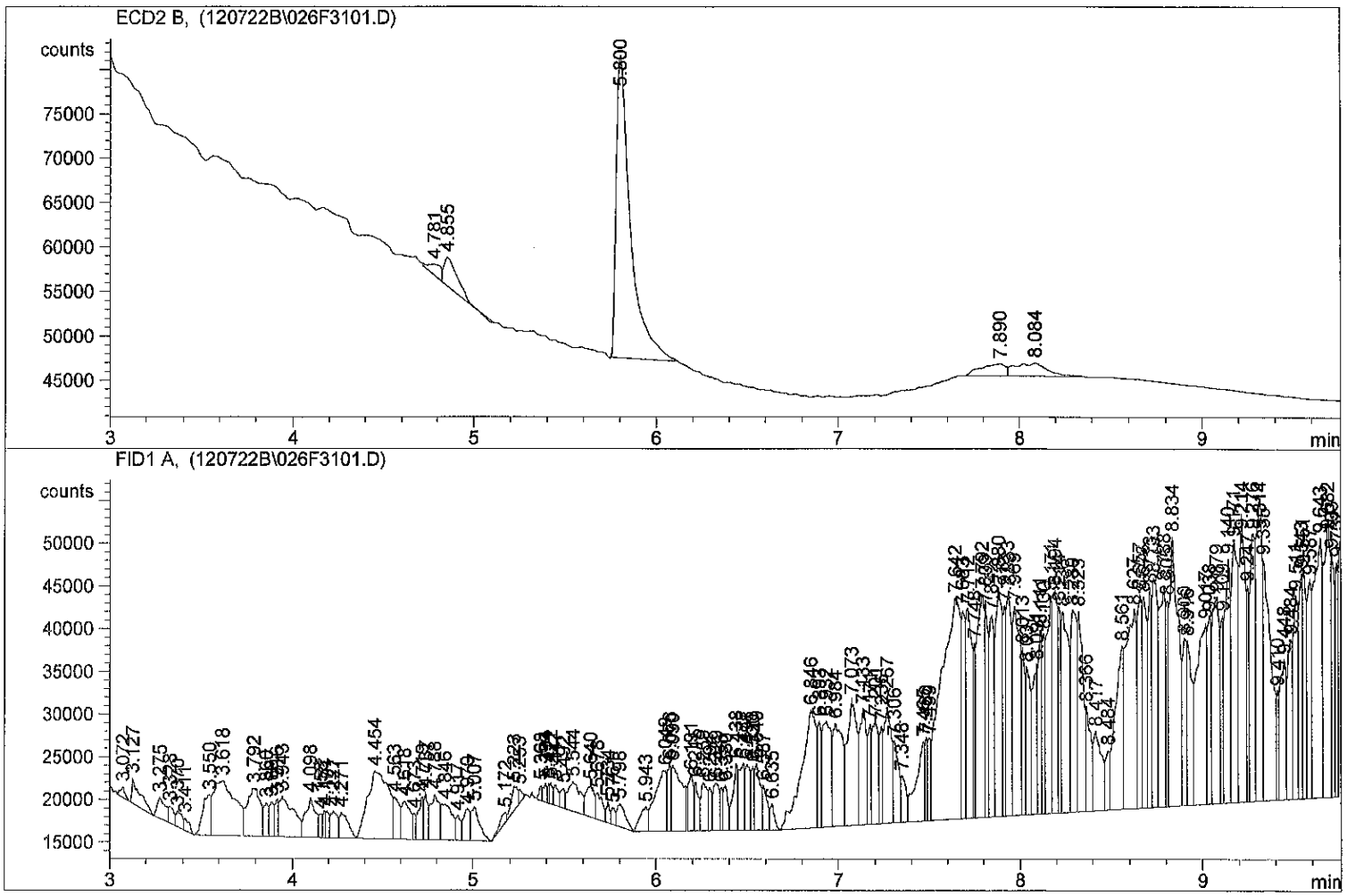
Injection Date	: 12/8/2022 10:06:07 PM	Seq. Line	: 22
Sample Name	: 22L0137 39	Location	: Vial 22
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\026F3101.D Sample Name: 22L0137 09

Injection Date	: 12/8/2022 10:18:45 PM	Seq. Line	: 31
Sample Name	: 22L0137 09	Location	: Vial 26
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/8/2022 10:20:55 PM          Seq. Line :  23
Sample Name     : 22L0137 40                     Location : Vial 23
Acq. Operator   : YL                                 Inj :  1
                                                 Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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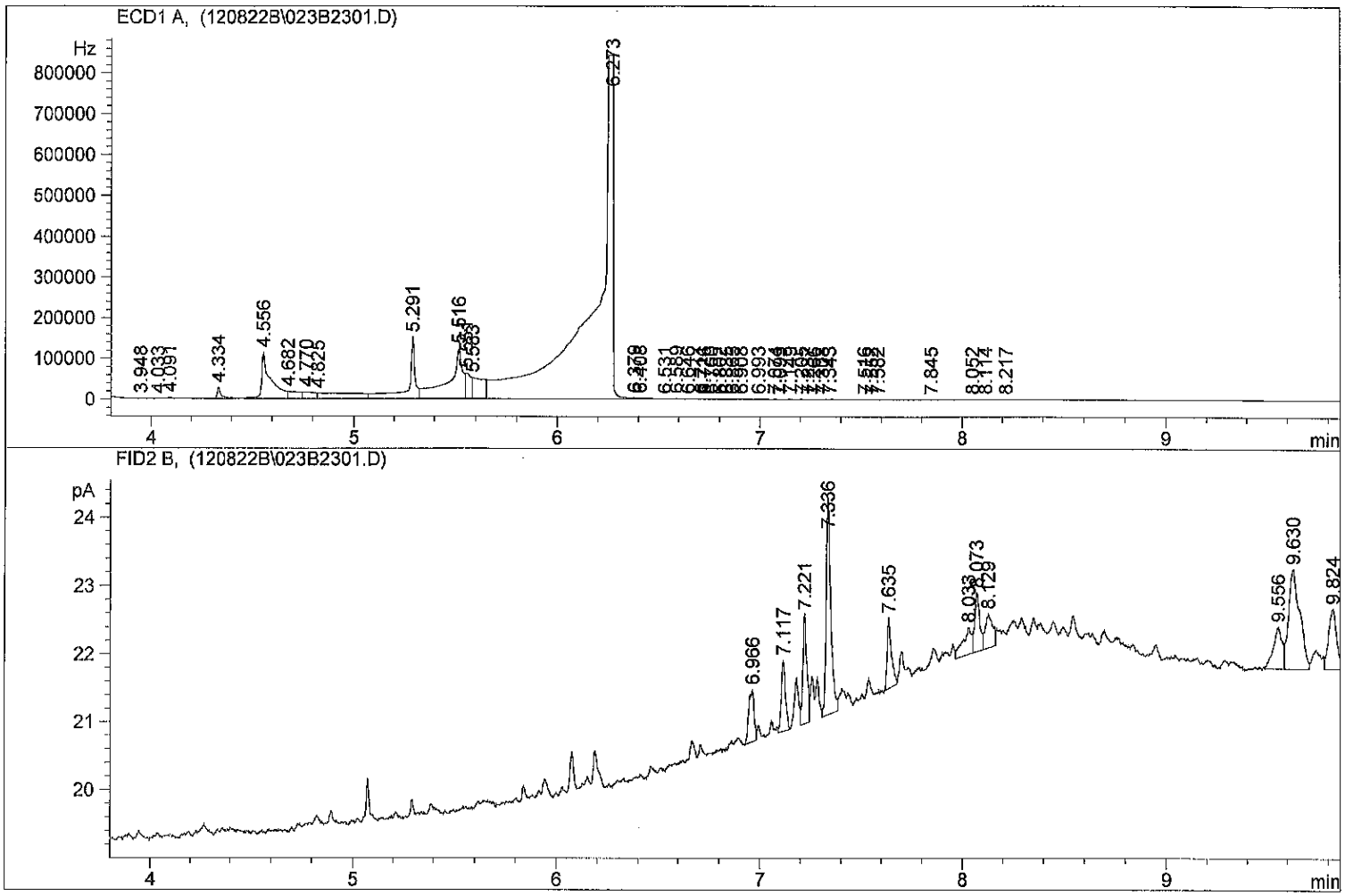
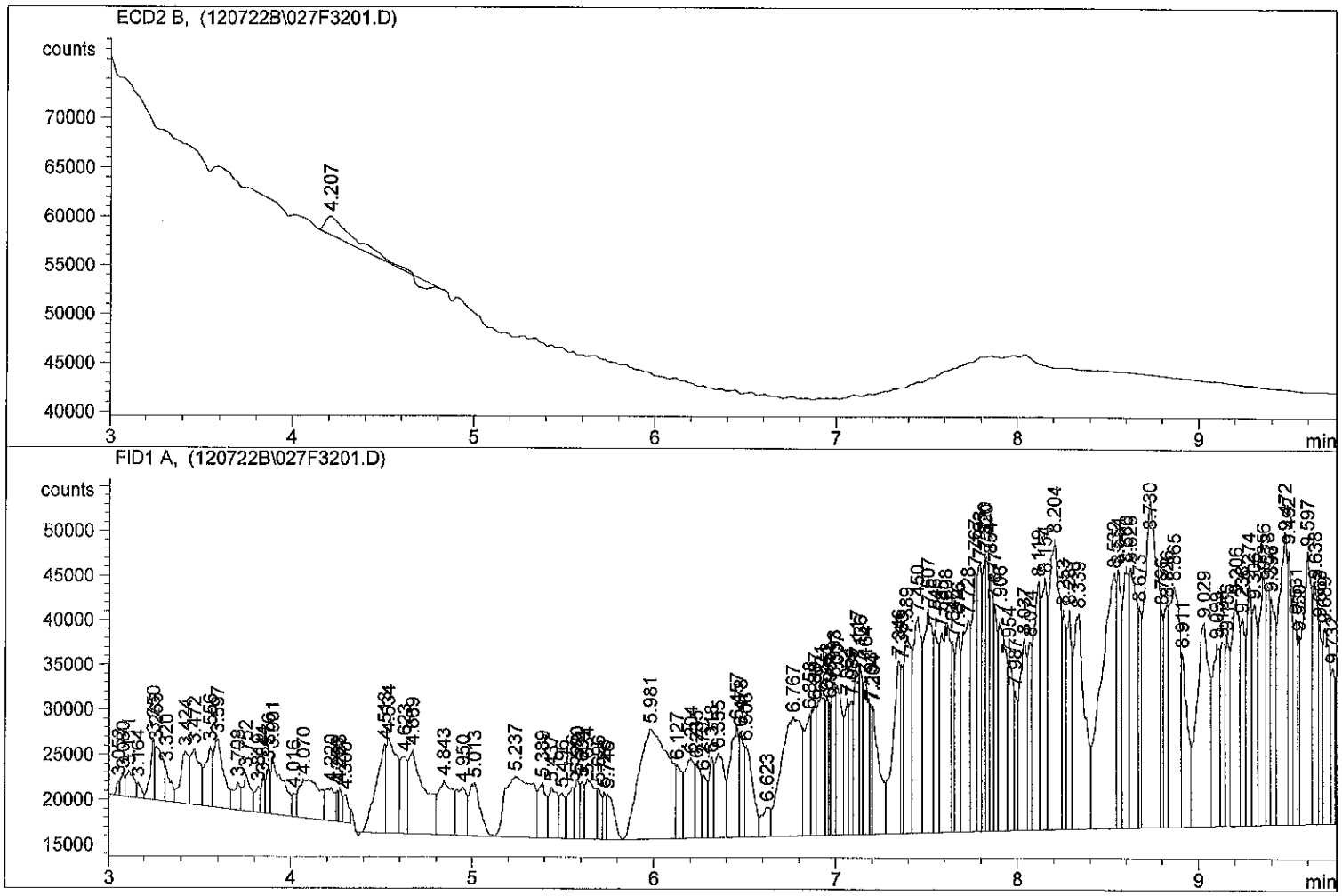


*** End of Report ***

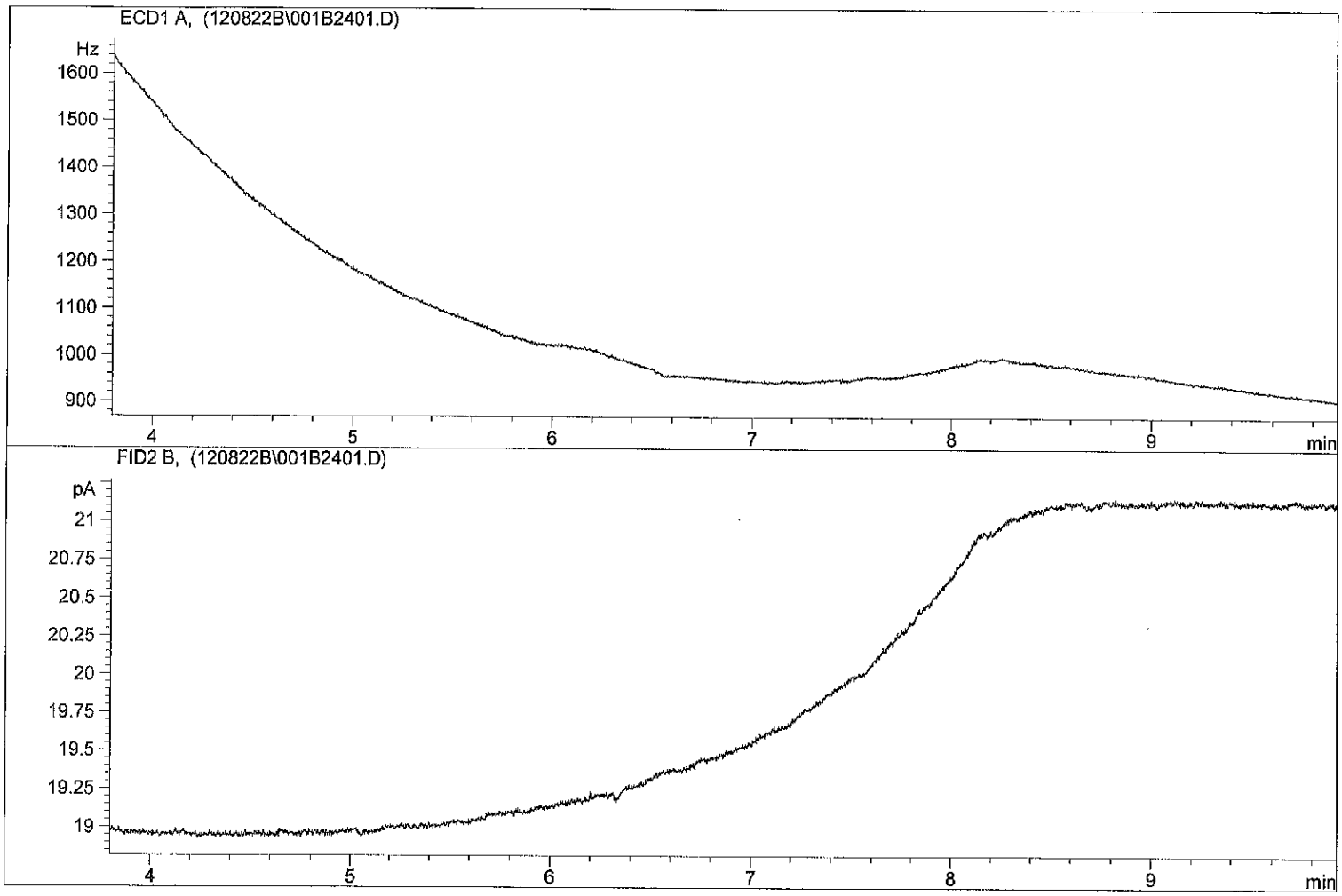
Injection Date	: 12/8/2022 10:33:20 PM	Seq. Line	: 32
Sample Name	: 22L0137 10	Location	: Vial 27
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\001B2401.D Sample Name: DCM RINSE

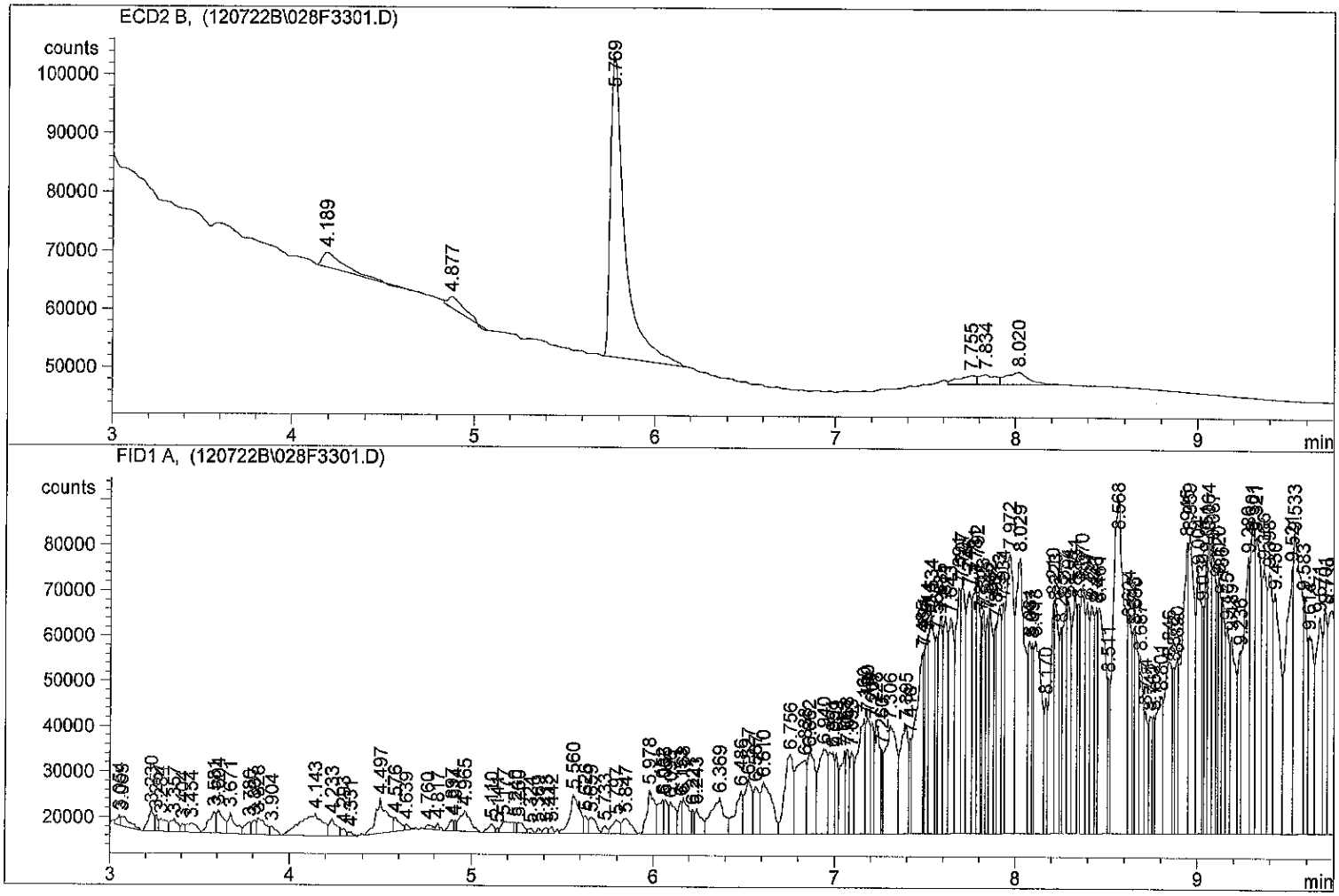
Injection Date	: 12/8/2022 10:35:45 PM	Seq. Line	: 24
Sample Name	: DCM RINSE	Location	: Vial 1
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

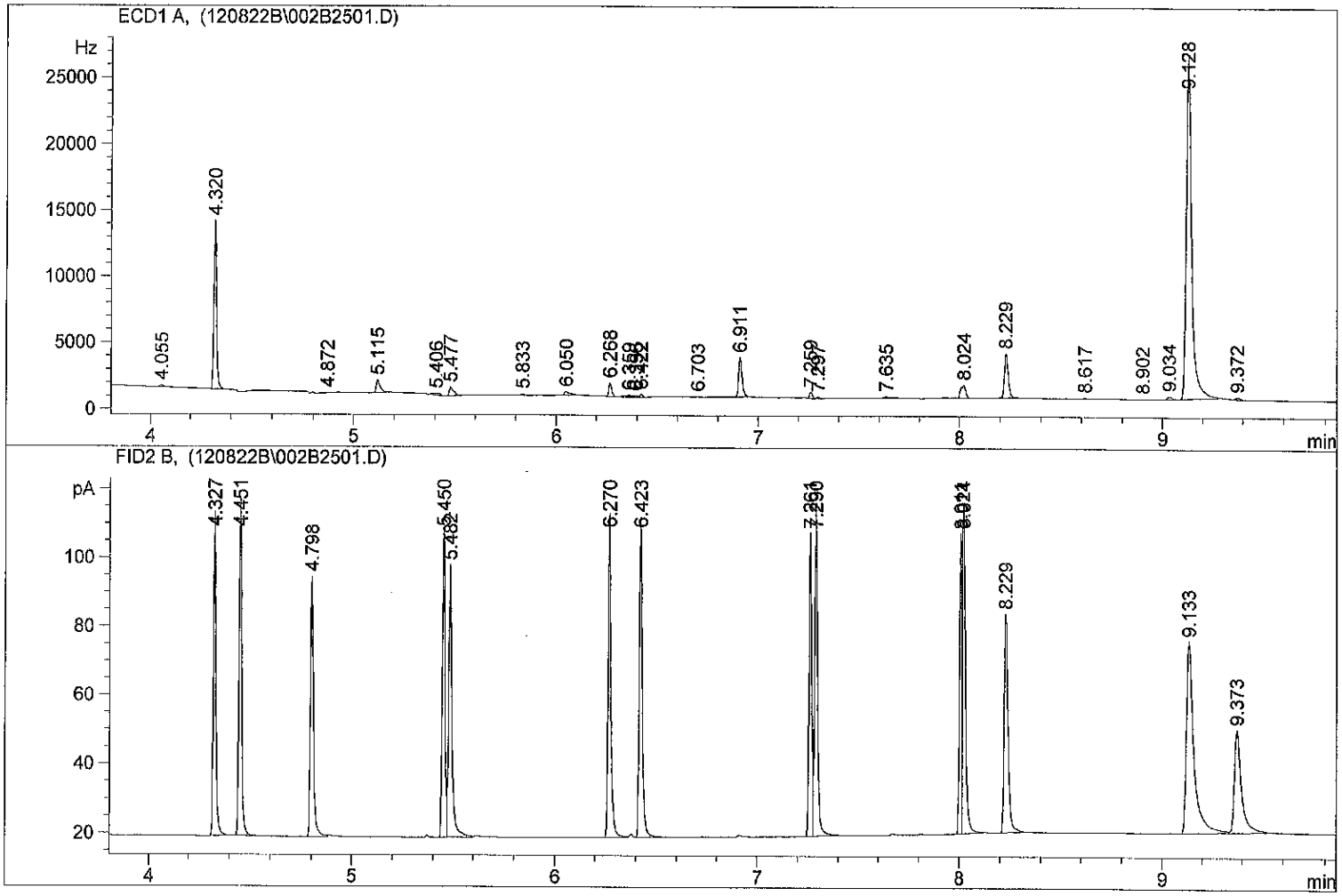
Injection Date : 12/8/2022 10:44:34 PM Seq. Line : 33
Sample Name : 22L0137 11 Location : Vial 28
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



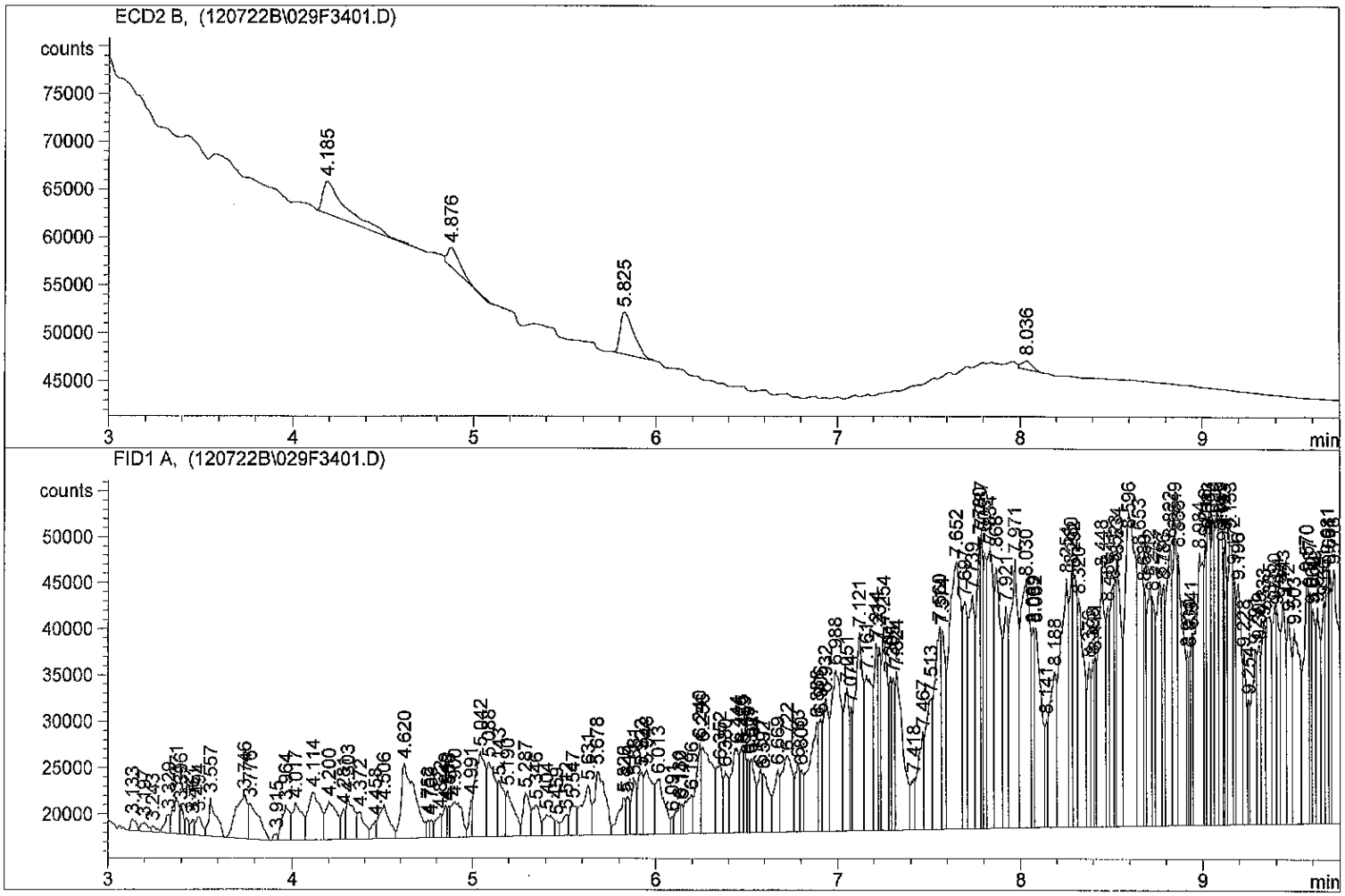
*** End of Report ***

Injection Date : 12/8/2022 10:49:01 PM Seq. Line : 25
Sample Name : PNA STD 100P Location : Vial 2
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



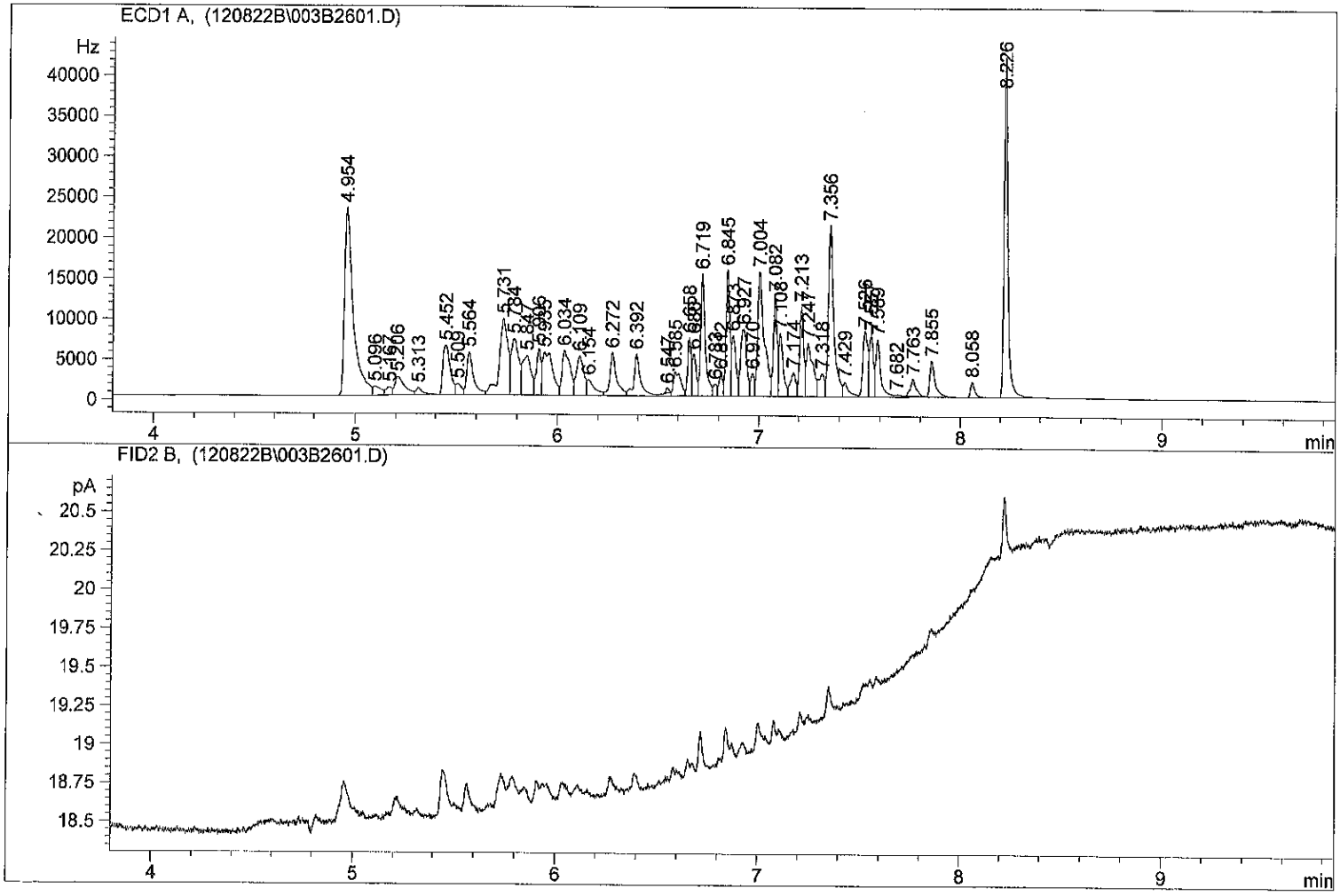
*** End of Report ***

Injection Date	: 12/8/2022 11:02:29 PM	Seq. Line	: 34
Sample Name	: 22L0137 12	Location	: Vial 29
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

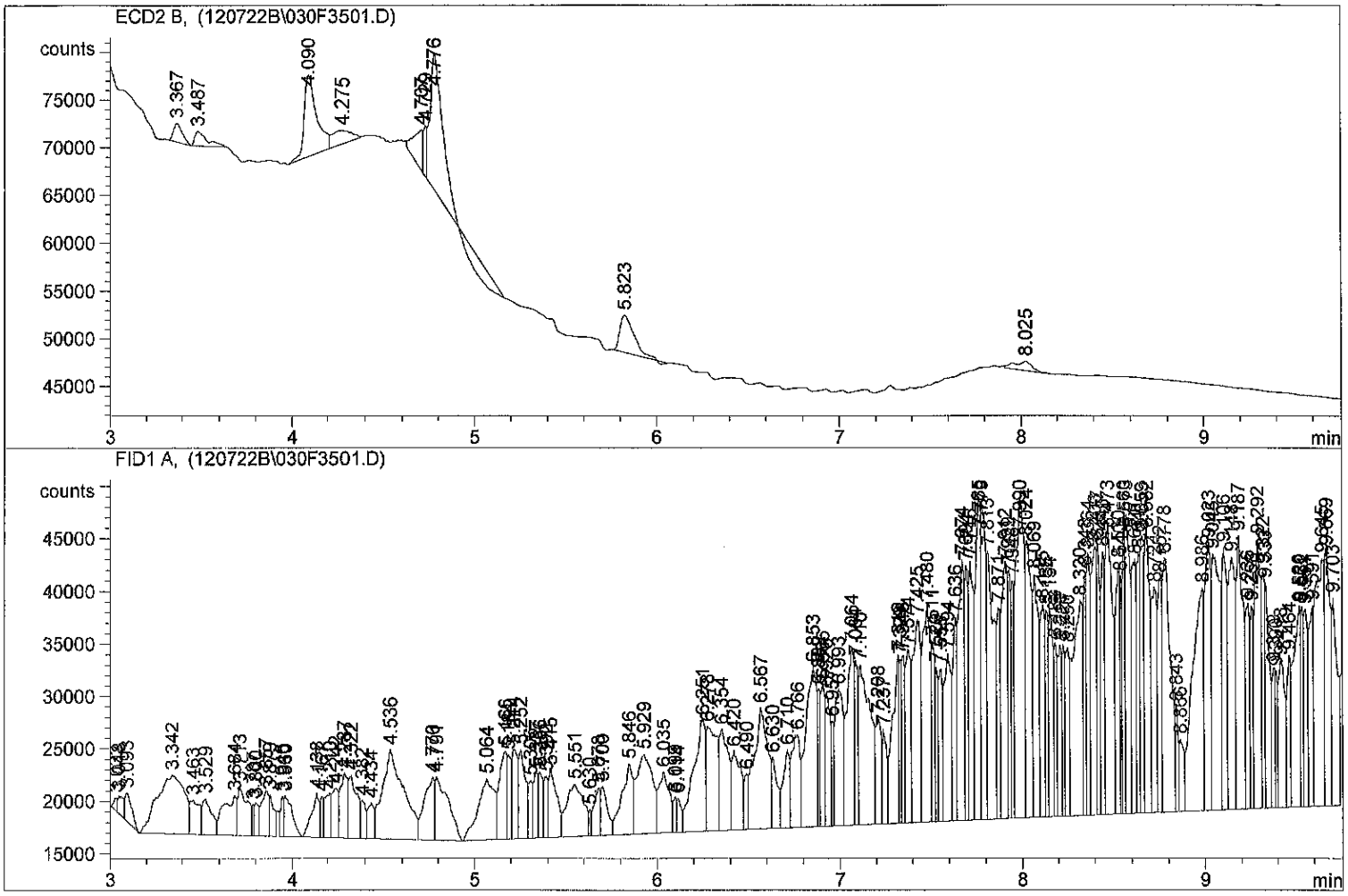
Injection Date : 12/8/2022 11:05:20 PM Seq. Line : 26
Sample Name : AR1660 1PPM Location : Vial 3
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\030F3501.D Sample Name: 22L0137 13

Injection Date	: 12/8/2022 11:16:21 PM	Seq. Line	: 35
Sample Name	: 22L0137 13	Location	: Vial 30
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0227 Batch Matrix: Solid Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/13/22 13:45	
LDW22-SC776H	22L0137-41RE1	12222221ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/13/22 13:45	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/13/22 13:45	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/13/22 13:45	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/13/22 13:45	
LDW22-SC776L	22L0137-45RE1	12222222ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/13/22 13:45	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/13/22 13:45	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/13/22 13:45	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/13/22 13:45	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/13/22 13:45	
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/13/22 13:45	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/13/22 13:45	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/13/22 13:45	
LDW22-SC770H	22L0137-54RE1	12222223ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/13/22 13:45	
LDW22-SC770I	22L0137-55RE1	12222224ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/13/22 13:45	
LDW22-SC770J	22L0137-56RE1	12222225ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/13/22 13:45	
LDW22-SC770K	22L0137-57RE1	12222228ECD7.D	12/13/22 13:45	Added 12/27/2022 by PK
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/13/22 13:45	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/13/22 13:45	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/13/22 13:45	
Blank	BKL0227-BLK1	12202261ECD7.D	12/13/22 13:45	
LCS	BKL0227-BS1	12202262ECD7.D	12/13/22 13:45	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/13/22 13:45	
LDW22-SC776I	BKL0227-MS1	12202267ECD7.D	12/13/22 13:45	
LDW22-SC776I	BKL0227-MSD1	12202268ECD7.D	12/13/22 13:45	
Reference	BKL0227-SRM1	12202264ECD7.D	12/13/22 13:45	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0227

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/13/22 **Balance ID:** B146462614 **Set Up By:** CTO 12/9/22

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Initial (g) Target Dry: 12.5 Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0137-41 B	62.1	(20.15)	20.15	5mL	5mL	2mL	2.5	1.0	
22L0137-42 B	67.1	(18.63)	18.67	5mL	5mL	2mL	2.5	1.0	
22L0137-43 B	65.8	(19.00)	19.06	5mL	5mL	2mL	2.5	1.0	
22L0137-44 B	67.3	(18.58)	18.62	5mL	5mL	2mL	2.5	1.0	
22L0137-45 B	57.4	(21.80)	21.81	5mL	5mL	2mL	2.5	1.0	
22L0137-46 B	63.5	(19.69)	19.69	5mL	5mL	2mL	2.5	1.0	
22L0137-47 B	56.9	(21.98)	21.99	5mL	5mL	2mL	2.5	1.0	
22L0137-48 B	54.8	(22.79)	22.81	5mL	5mL	2mL	2.5	1.0	
22L0137-49 B	54.2	(23.05)	23.07	5mL	5mL	2mL	2.5	1.0	
22L0137-50 B	59.5	(21.02)	21.05	5mL	5mL	2mL	2.5	1.0	
22L0137-51 B	56.3	(22.21)	22.27	5mL	5mL	2mL	2.5	1.0	
22L0137-52 B	59.5	(20.99)	20.99	5mL	5mL	2mL	2.5	1.0	
22L0137-53 B	60.9	(20.53)	20.54	5mL	5mL	2mL	2.5	1.0	
22L0137-54 B	62.8	(19.91)	19.94	5mL	5mL	2mL	2.5	1.0	
22L0137-55 B	63.6	(19.66)	19.66	5mL	5mL	2mL	2.5	1.0	
22L0137-56 B	64.5	(19.39)	19.44	5mL	5mL	2mL	2.5	1.0	
22L0137-57 B	65.4	(19.13)	19.17	5mL	5mL	2mL	2.5	1.0	
22L0137-58 B	63.8	(19.59)	19.64	5mL	5mL	2mL	2.5	1.0	
22L0137-59 B	56.5	(22.11)	22.13	5mL	5mL	2mL	2.5	1.0	
22L0137-60 B	55.5	(22.54)	22.54	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Initial (g) Target Dry: 12.5 Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0227-BLK1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0227-BS1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0227-BSD1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0227-MS1	67.1	(18.63)	18.63	5mL	5mL	2mL	2.5	1.0	Use 22L0137-42
BKL0227-MSD1	67.1	(18.63)	18.63	5mL	5mL	2mL	2.5	1.0	Use 22L0137-42
BKL0227-SRM1	100.0	~~(12.50)~~ (2.50)	2.54	5mL	5mL	2mL	2.5	1.0	Use K003635

Suspected 12.5 mass 2/22/23 +1g DI WATER

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0227

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

	12/13/22	ZH	12/19/22	12/13/22	13:45
Client ID verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time	

Printed: 12/9/2022 10:30:47AM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0227

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
CT (1) 2 3
YB 12/13/22
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 (4) 5 6
CP 12/16/22
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 (4) 5
TVC 12/17/22
Analyst/Date

TurboVap
Post Cleanups
1 2 (3) 4 5
ZH 12/19/22
Analyst/Date

Vialing
ZH 12/19/22
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: YB CT Date: 12/13/22	
Neutral Glass Wool	K010266
1:1 Hexane/Acetone	K010163
Hexane	K000831
Anhydrous Sodium Sulfate	K011285
KD Analyst: RJC Date: 12/16/22	
Anhydrous Sodium Sulfate	
Hexane	K011373
Vialing Analyst: TVC/ZH Date: 12/19/22	
Hexane	K011373
Concentrated Sulfuric Acid	K000796
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K003744
Tetrabutylammonium hydrogensulfate (TBAS)	K010832

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K010600 (V) Exp Date: 1/23/2023	50µL	CT	YB
Spike 20µg/mL	1 K008150 (V) Exp Date: 3/15/2023	63µL	CT	YB

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0227

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh soil/sed into beakers-lightly dry with sodium sulfate. 2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization. 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool. 7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug. 8. Re-homogenize and rinse with 1:1 Hexane/Acetone. 9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane. 10. KD on 100° bath. 11. Exchange (2 X with 20mL) Hexane. 12. TurboVap. 13. Clean-ups. 14. TurboVap. 15. Vial with Hexane. A. Need Total Solids Y (N) B. Archive/Freeze (Y) N	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: PCB Extraction Batch: BKL0227

Total Solids Batch: BKL0174 Work Order(s): 22L0137 41-60

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 41-60	CR 12/18/22
☒ Standing Water Decanted (Not shared)= 47, 48, 59	CR 12/18/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☐ Previously Frozen =	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / (N)	CR 12/8/22
☒ Multiple Jars Y / (N)	CR 12/8/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

Data File C:\HPCHEM\2\DATA\120822B\024B2701.D Sample Name: 22L0137 41

```
Injection Date  : 12/8/2022 11:20:06 PM          Seq. Line :  27
Sample Name     : 22L0137 41                     Location : Vial 24
Acq. Operator   : YL                                 Inj :   1
                                                 Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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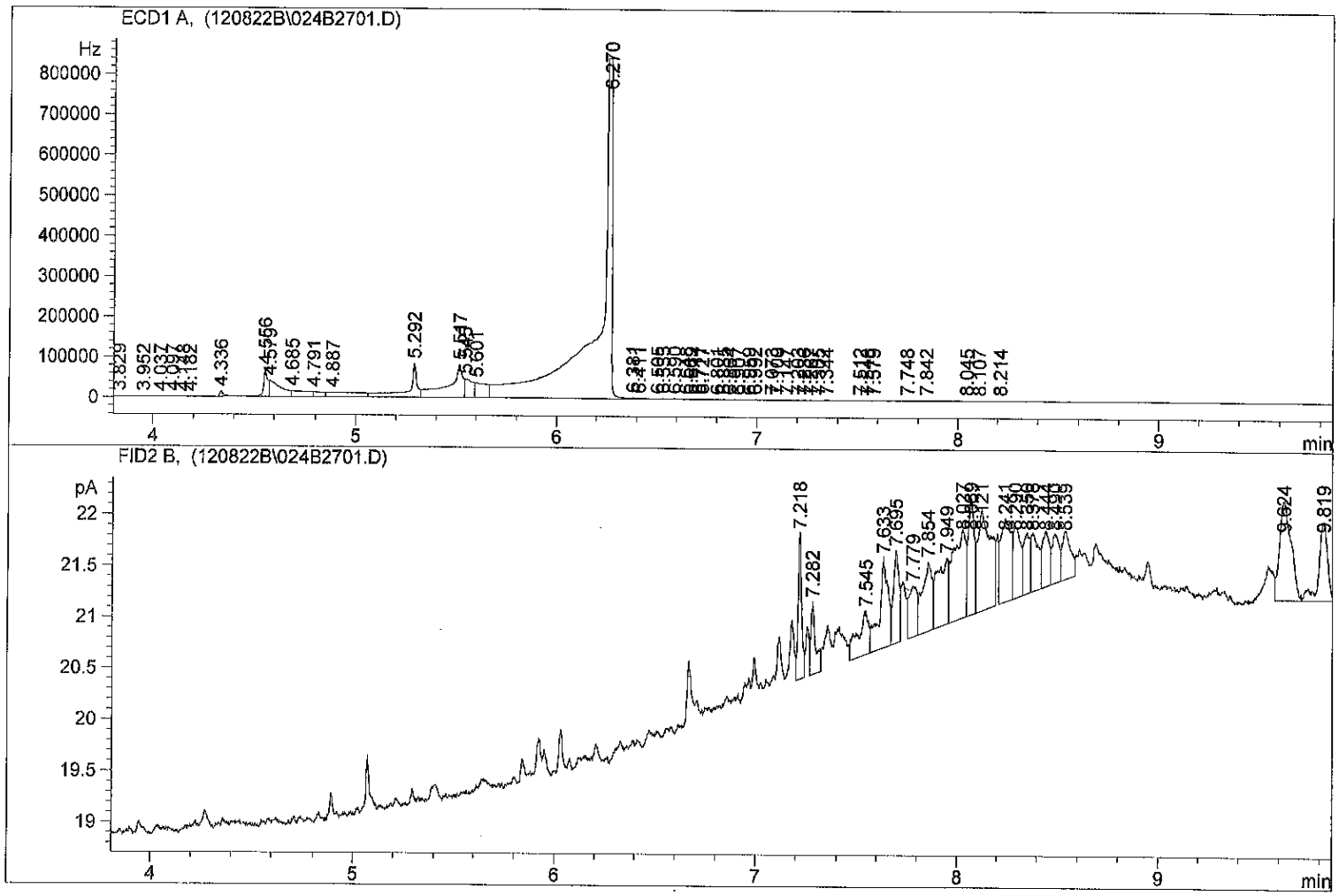
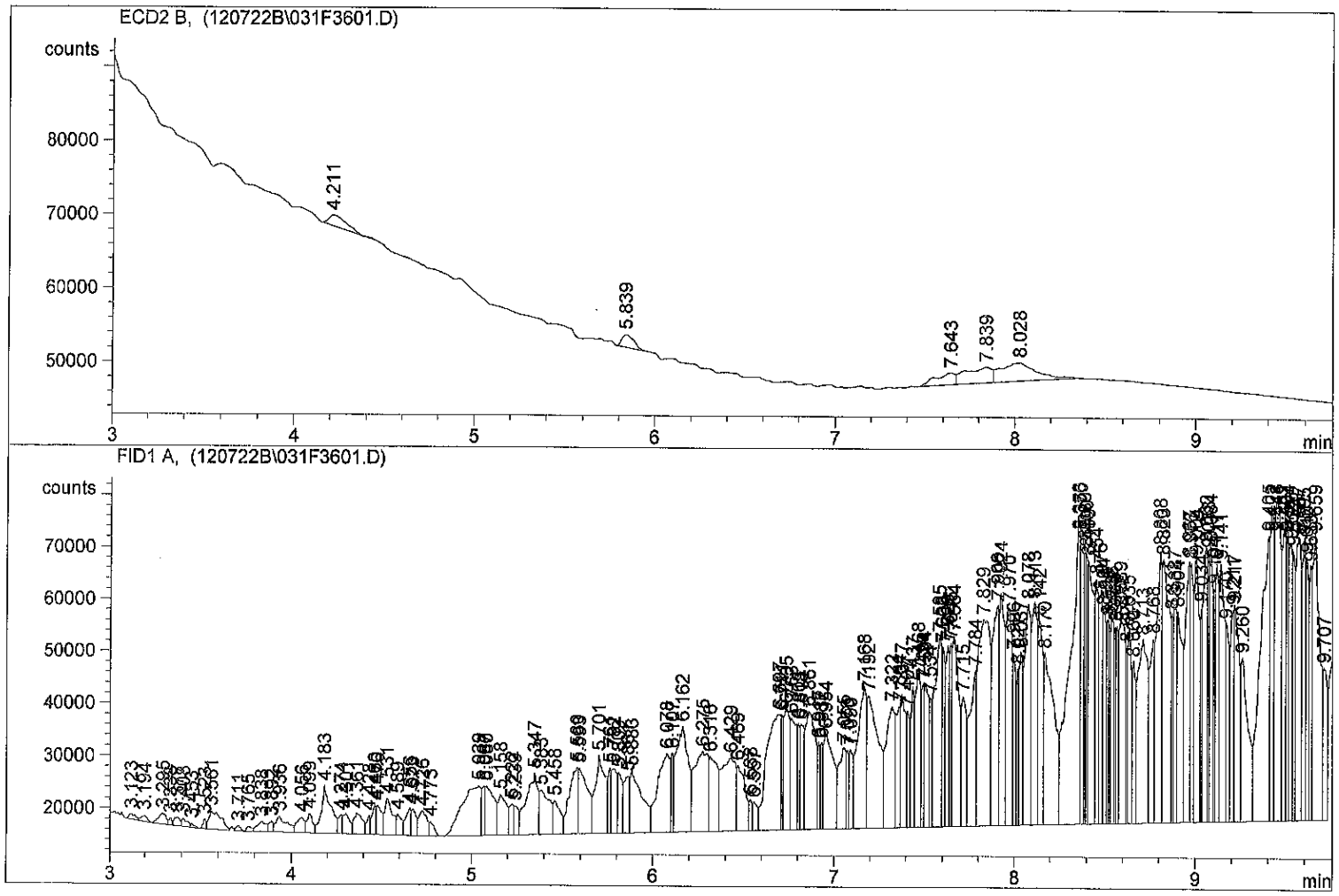


*** End of Report ***

Injection Date	: 12/8/2022 11:30:51 PM	Seq. Line	: 36
Sample Name	: 22L0137 14	Location	: Vial 31
Acq. Operator	: YL	Inj	: 1
		Inj. Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			

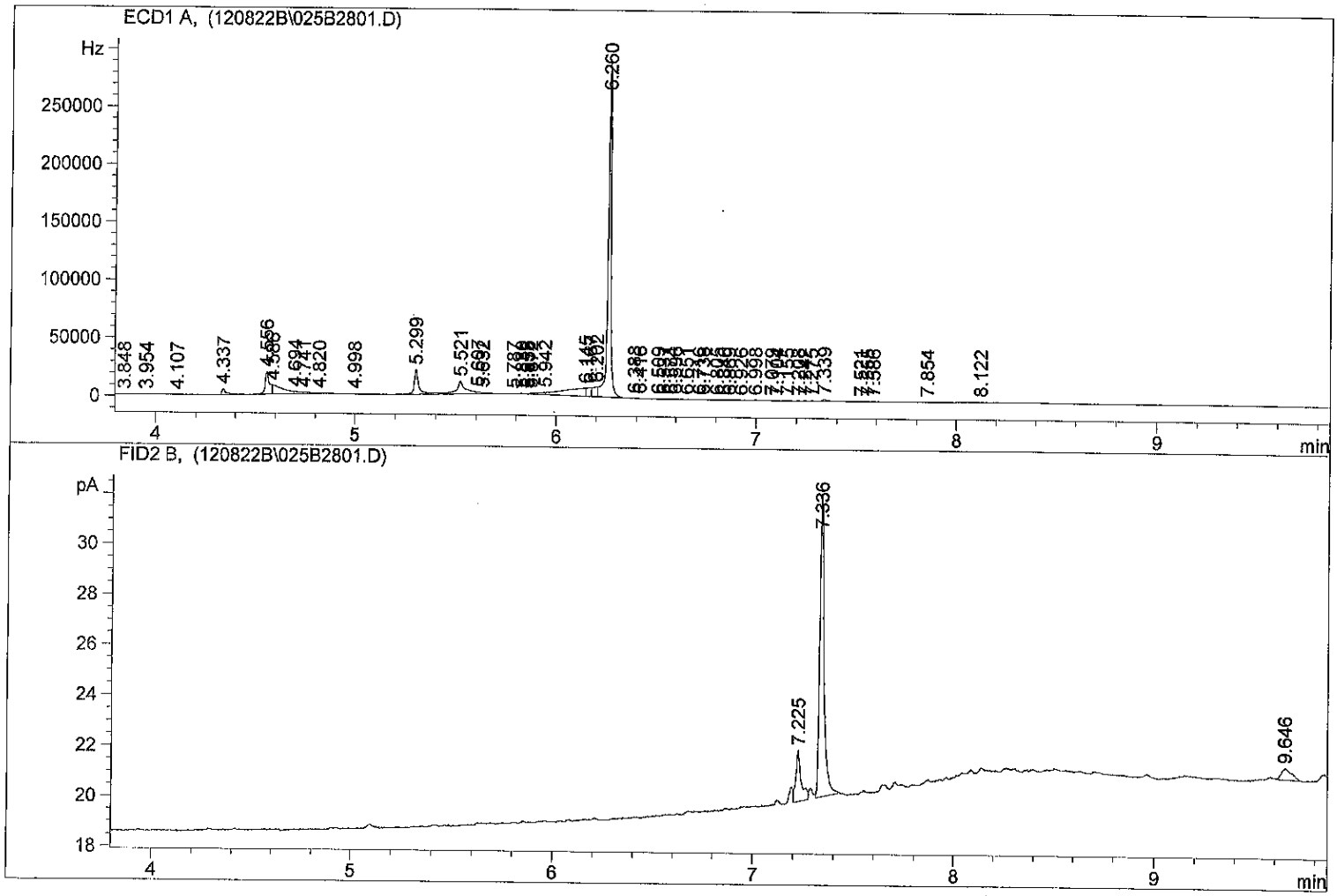


*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\025B2801.D

Sample Name: 22L0137 42

Injection Date	: 12/8/2022 11:34:50 PM	Seq. Line	: 28
Sample Name	: 22L0137 42	Location	: Vial 25
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		

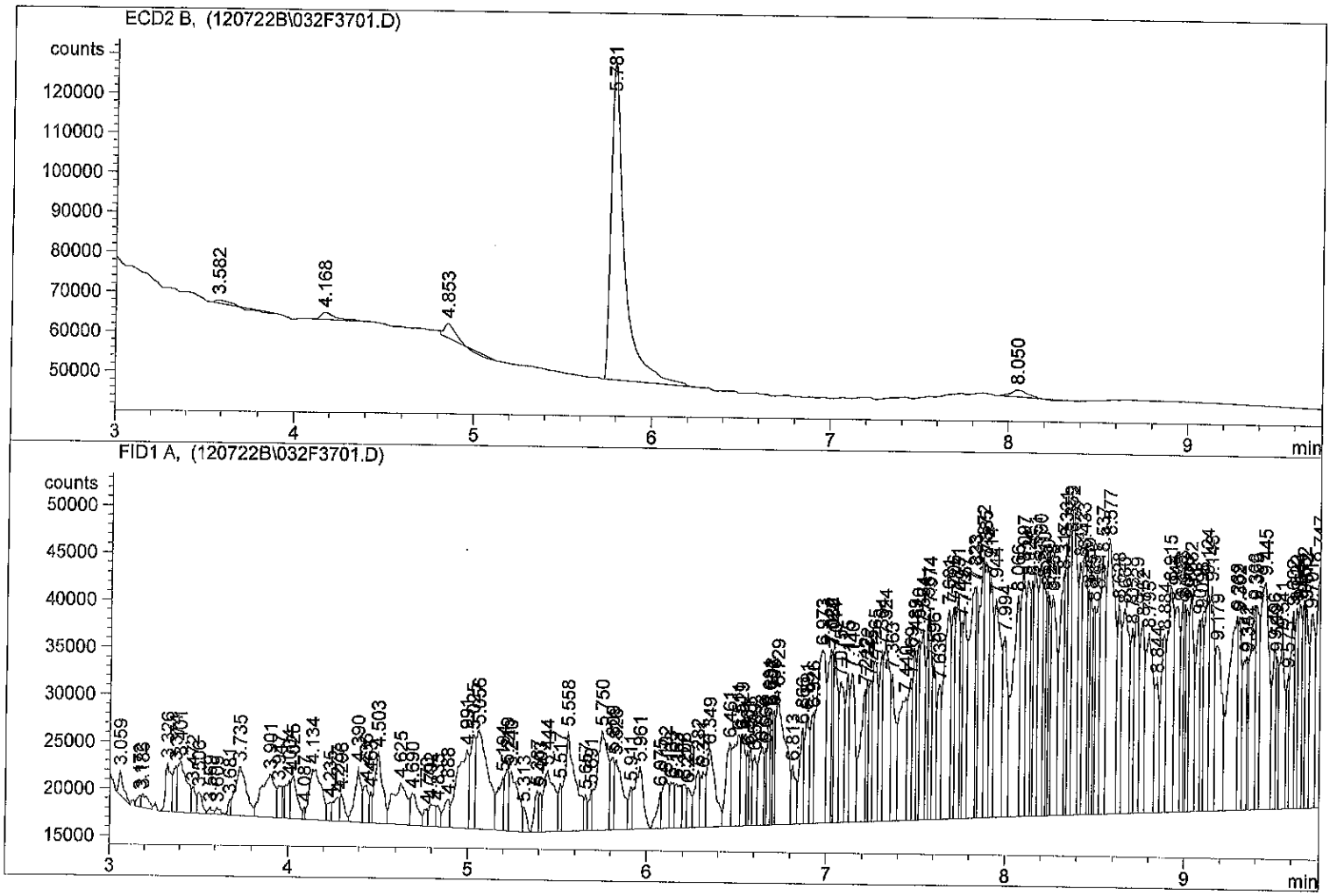


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\032F3701.D

Sample Name: 22L0137 15

Injection Date	: 12/8/2022 11:47:01 PM	Seq. Line	: 37
Sample Name	: 22L0137 15	Location	: Vial 32
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



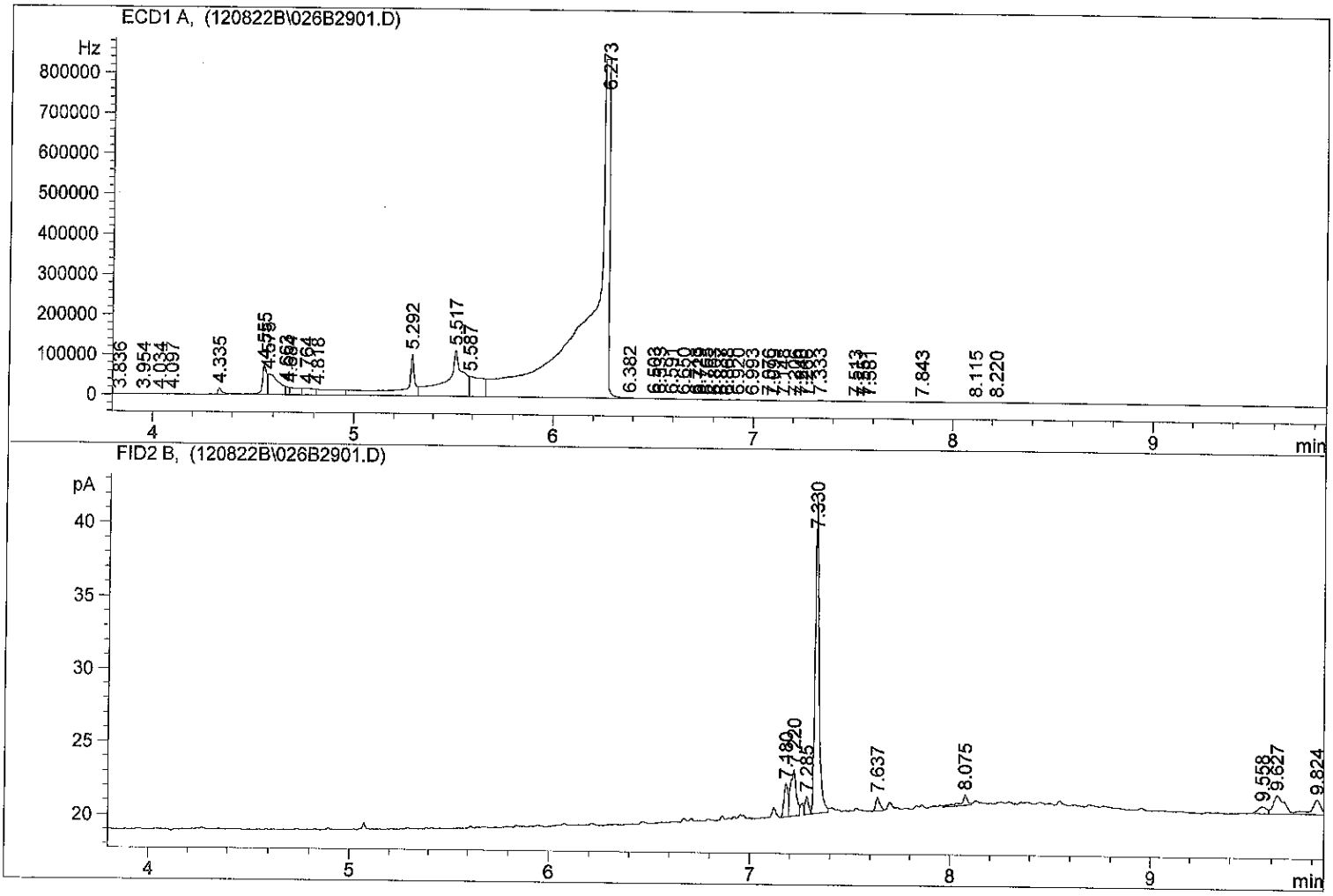
*** End of Report ***

Instrument 1 12/8/2022 11:56:49 PM YL

Data File C:\HPCHEM\2\DATA\120822B\026B2901.D

Sample Name: 22L0137 43

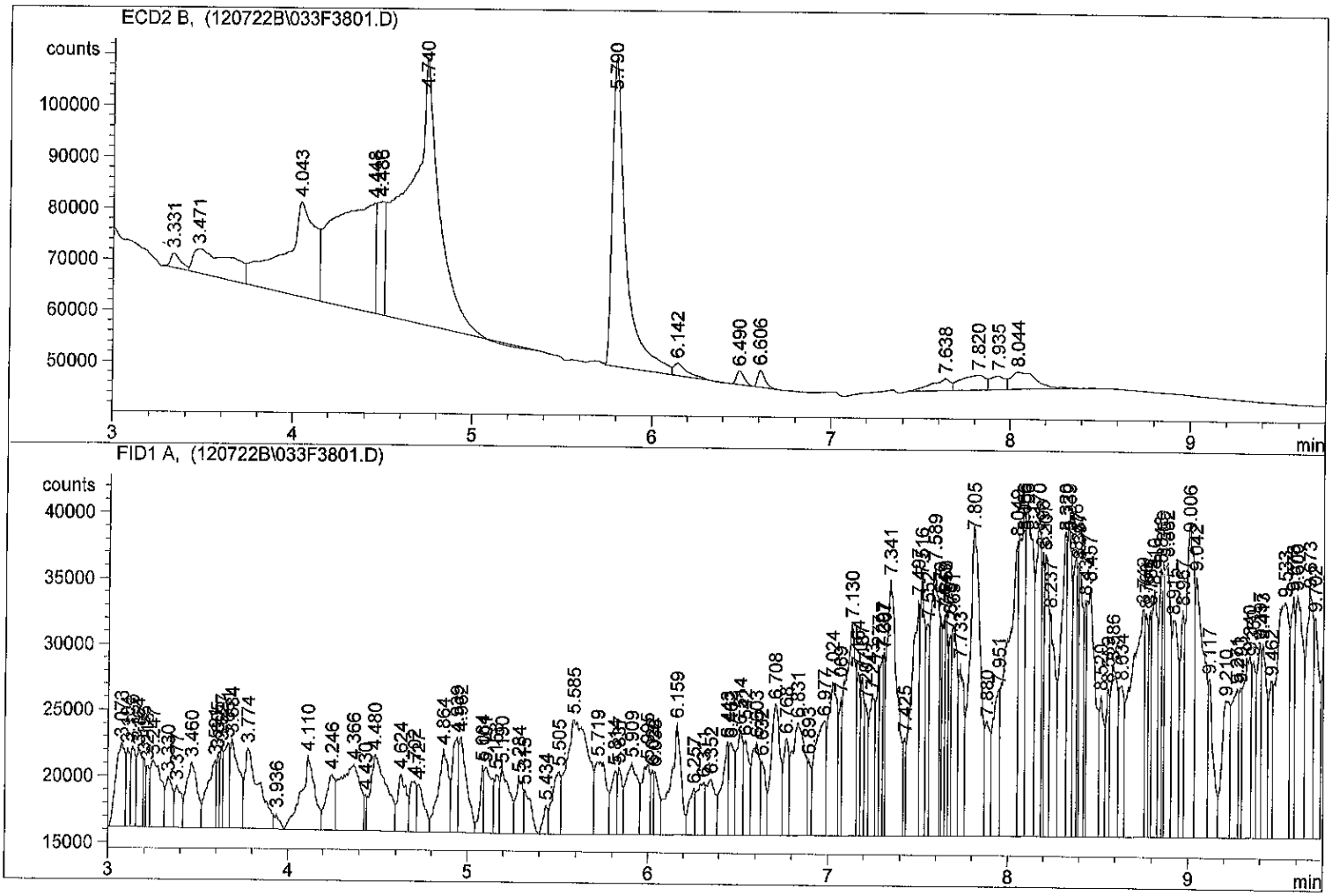
Injection Date	: 12/8/2022 11:49:36 PM	Seq. Line	: 29
Sample Name	: 22L0137 43	Location	: Vial 26
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

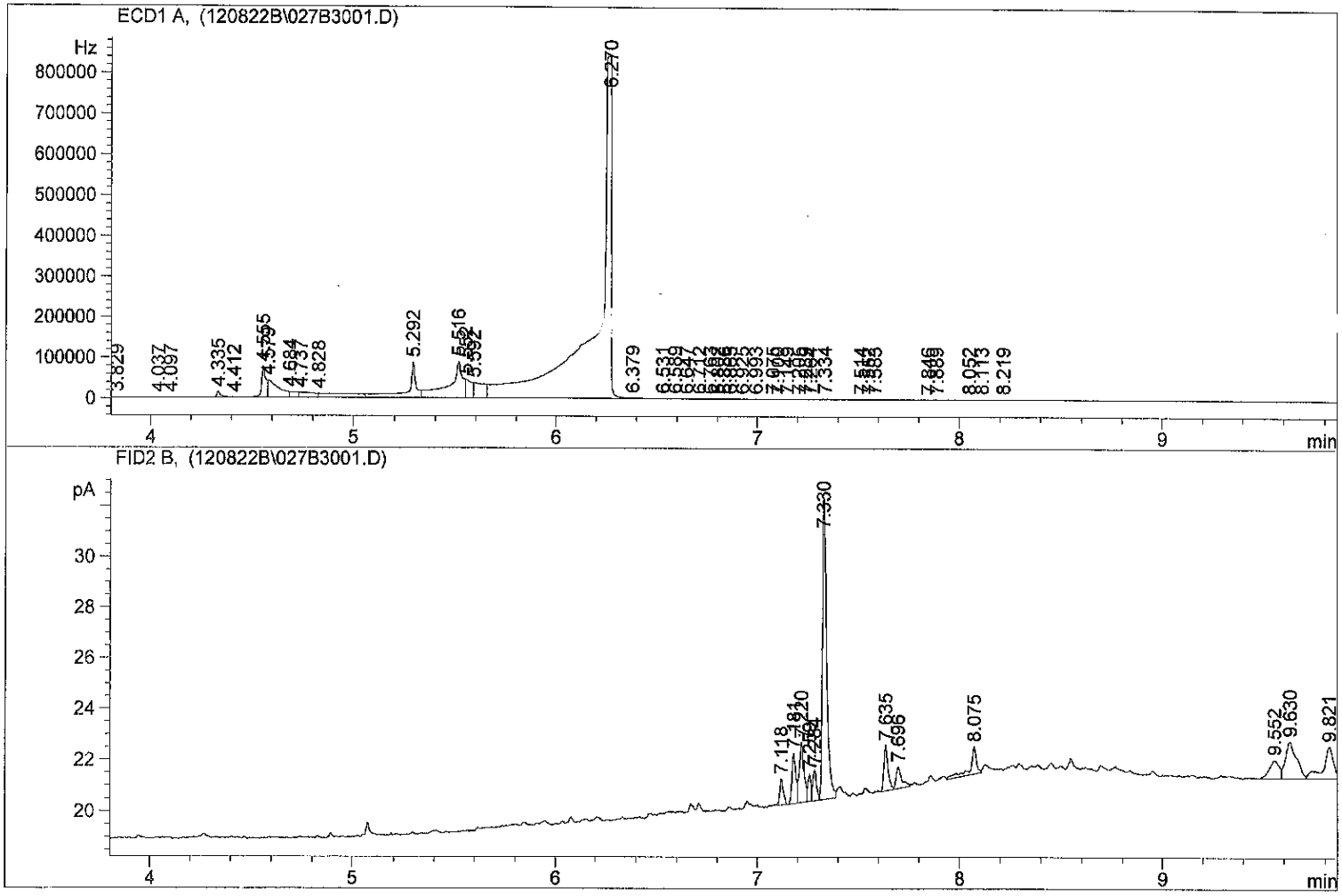
Data File C:\HPCHEM\1\DATA\120722B\033F3801.D Sample Name: 22L0137 16

Injection Date	: 12/9/2022 12:02:05 AM	Seq. Line	: 38
Sample Name	: 22L0137 16	Location	: Vial 33
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

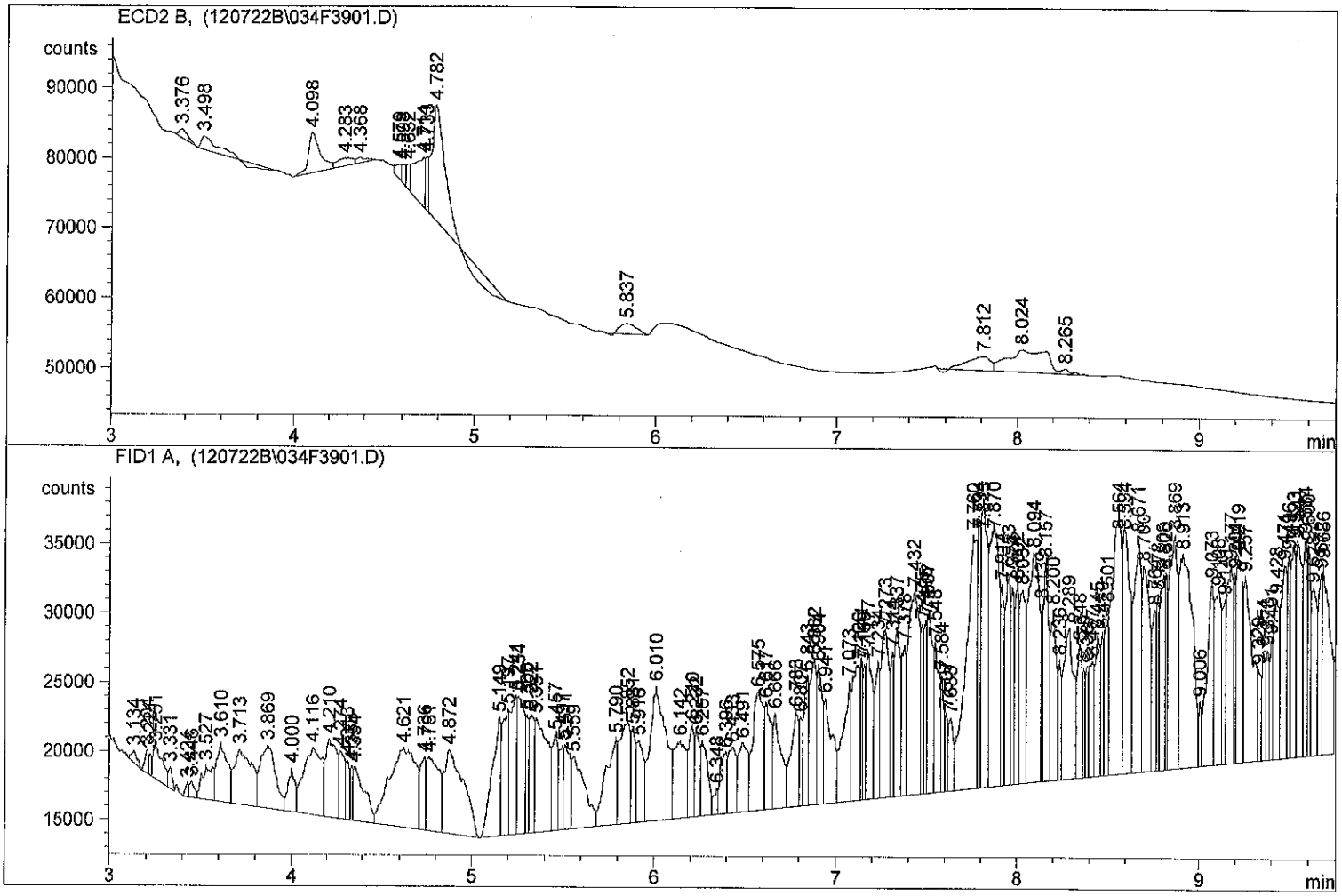
Injection Date	: 12/9/2022 12:04:21 AM	Seq. Line	: 30
Sample Name	: 22L0137 44	Location	: Vial 27
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

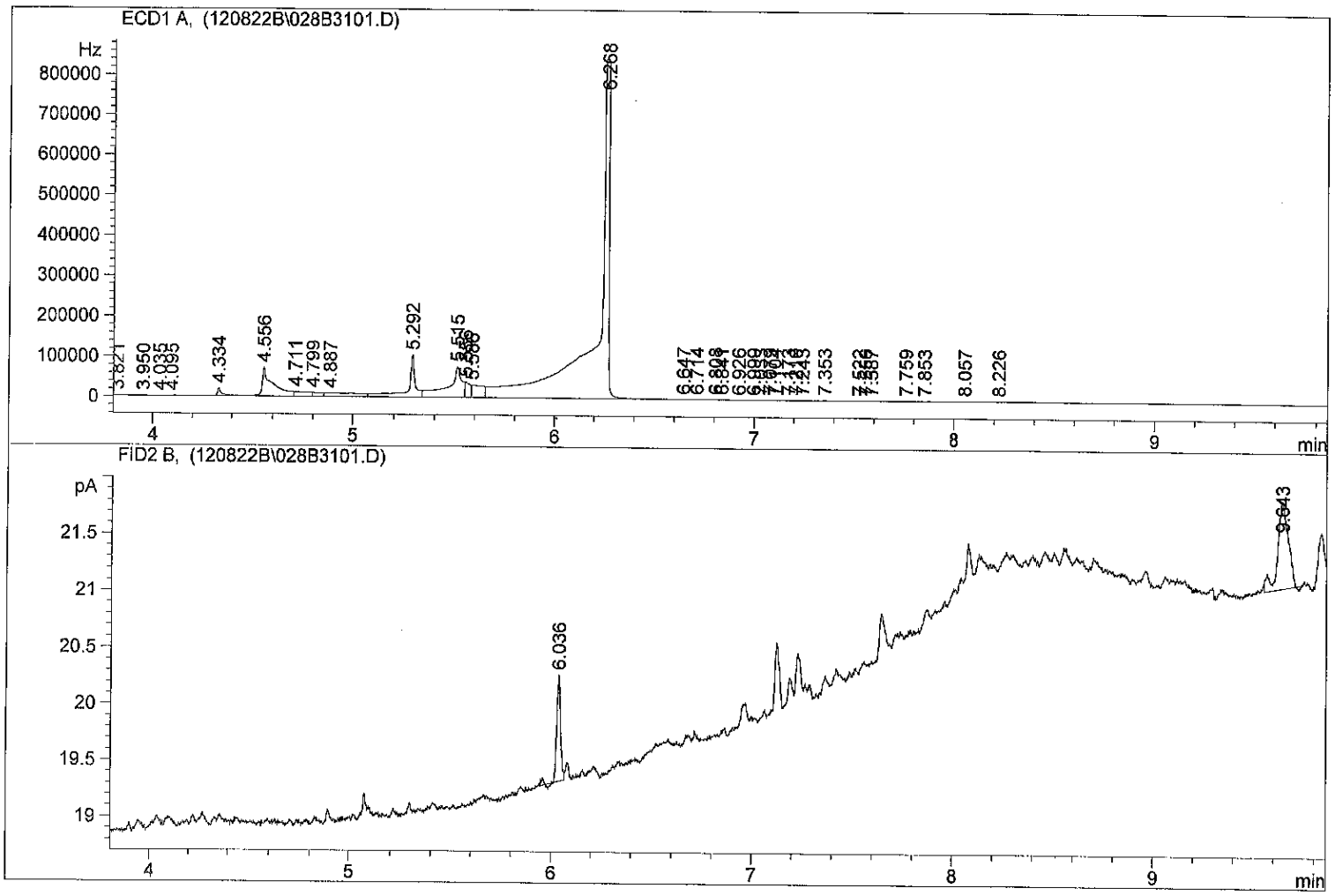
Injection Date : 12/9/2022 12:16:41 AM Seq. Line : 39
Sample Name : 22L0137 17 Location : Vial 34
Acq. Operator : YL Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

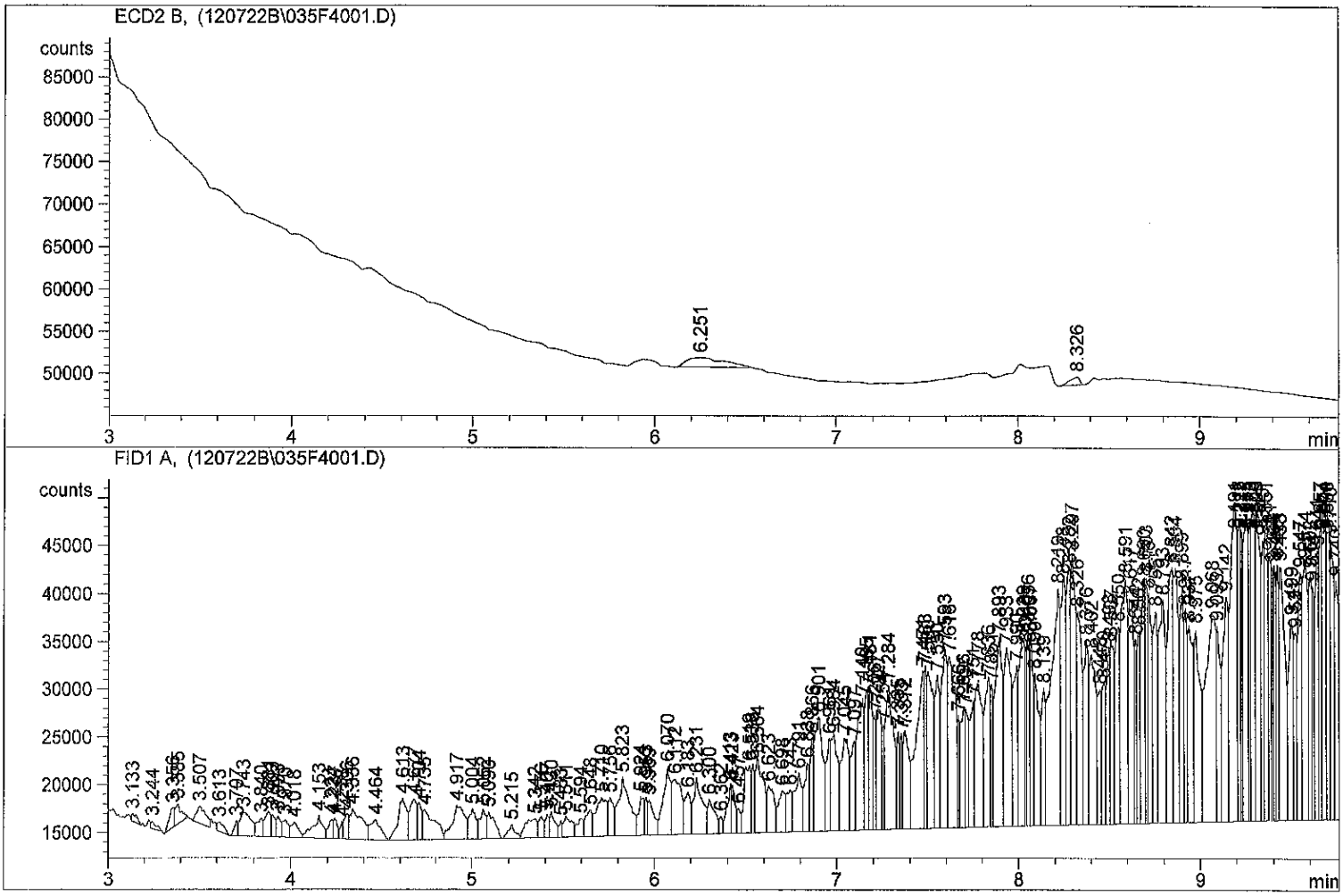
Injection Date : 12/9/2022 12:19:06 AM Seq. Line : 31
Sample Name : 22L0137 45 Location : Vial 28
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\035F4001.D Sample Name: 22L0137 18

Injection Date	: 12/9/2022 12:30:07 AM	Seq. Line	: 40
Sample Name	: 22L0137 18	Location	: Vial 35
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

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==========================================================================
Injection Date  : 12/9/2022 12:33:51 AM          Seq. Line :  32
Sample Name     : 22L0137 46                      Location : Vial 29
Acq. Operator   : YL                                 Inj :  1
                                                 Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
==========================================================================
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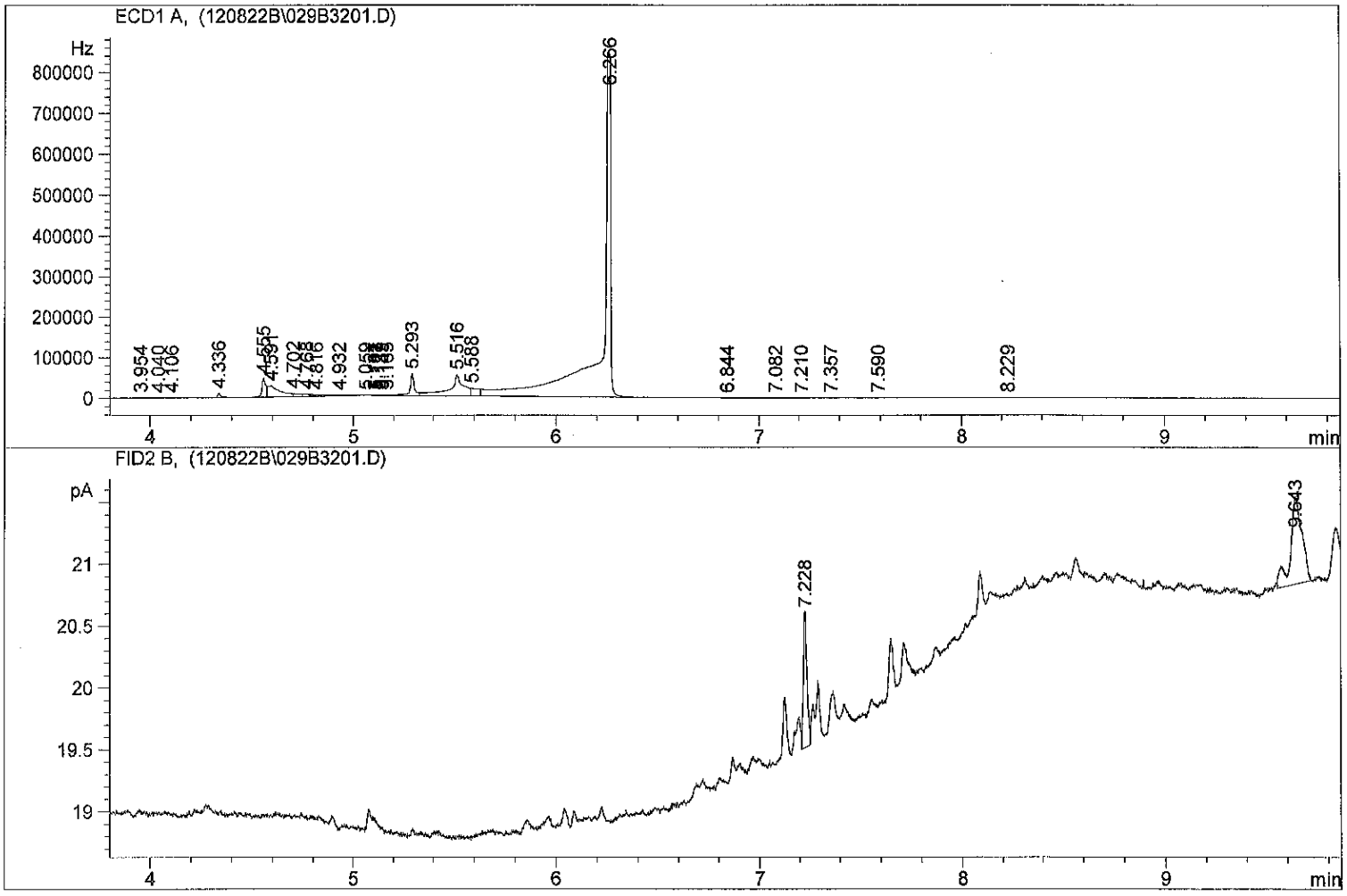
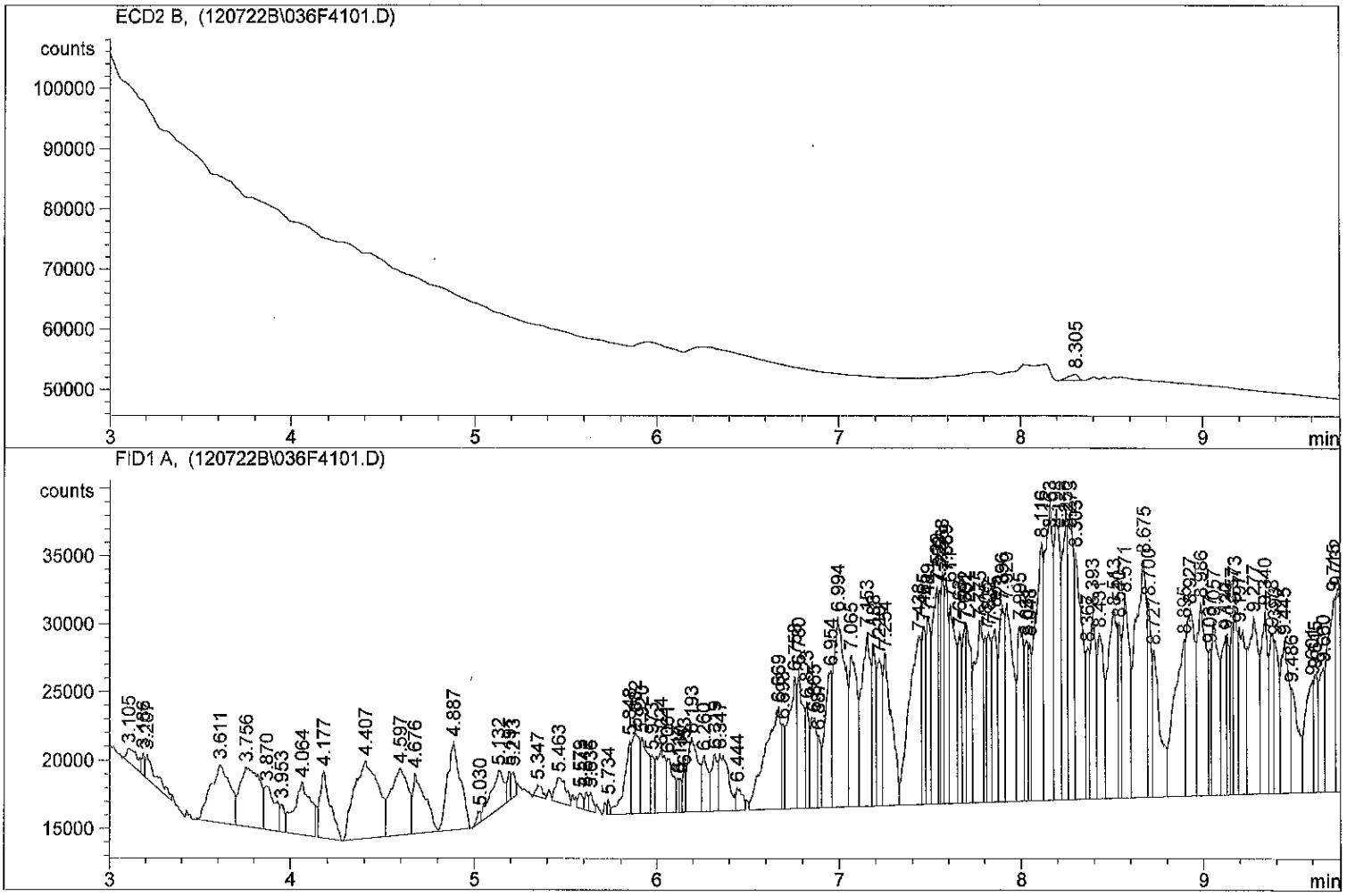


*** End of Report ***

Injection Date	: 12/9/2022 12:43:53 AM	Seq. Line	: 41
Sample Name	: 22L0137 19	Location	: Vial 36
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
==========================================================================
Injection Date  : 12/9/2022 12:48:37 AM          Seq. Line :  33
Sample Name     : 22L0137 47                      Location : Vial 30
Acq. Operator   : YL                                 Inj :  1
                                                 Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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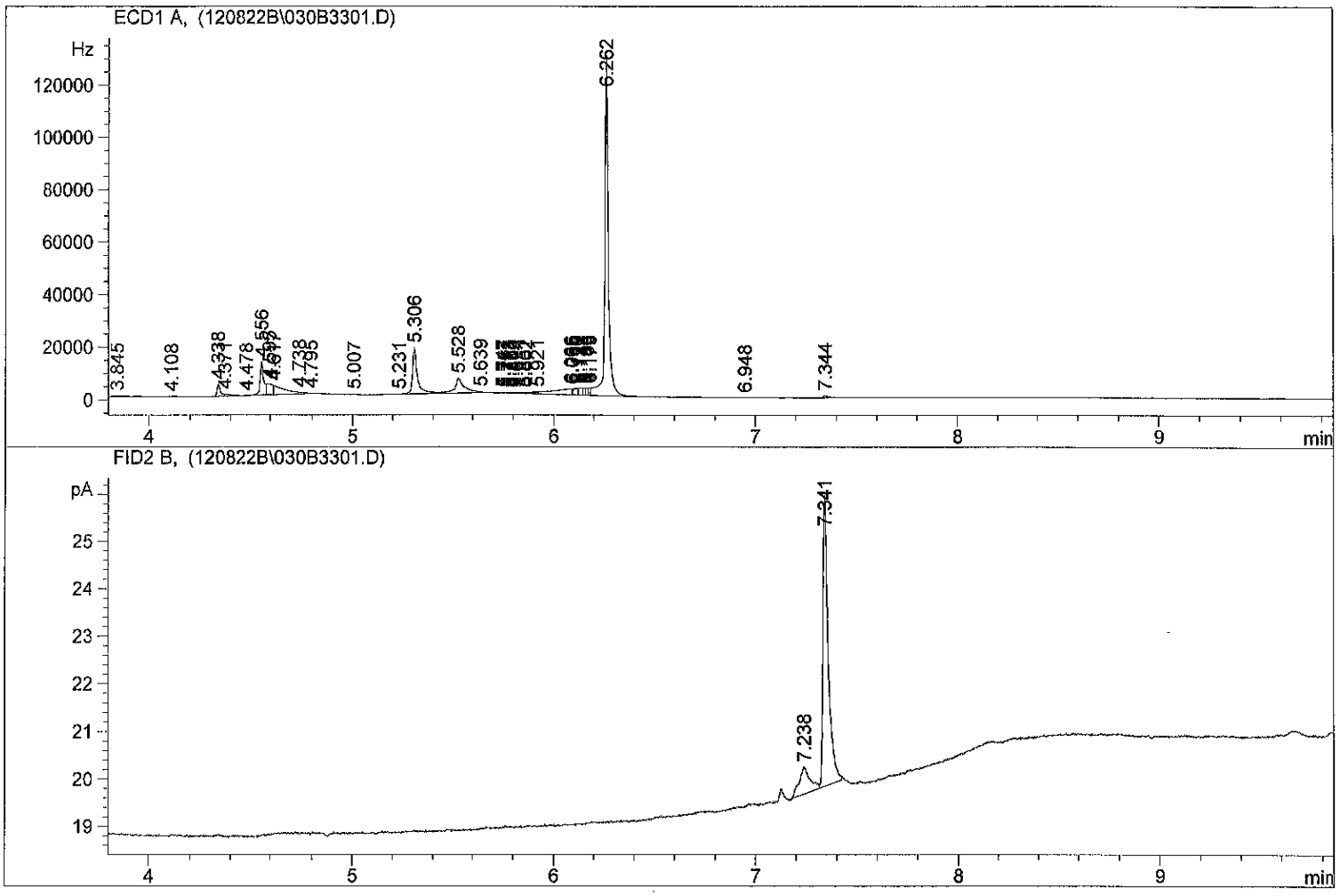

*** End of Report ***

```
Injection Date  : 12/9/2022 12:58:58 AM        Seq. Line :  42
Sample Name     : 22L0137 20                    Location : Vial 37
Acq. Operator   : YL                               Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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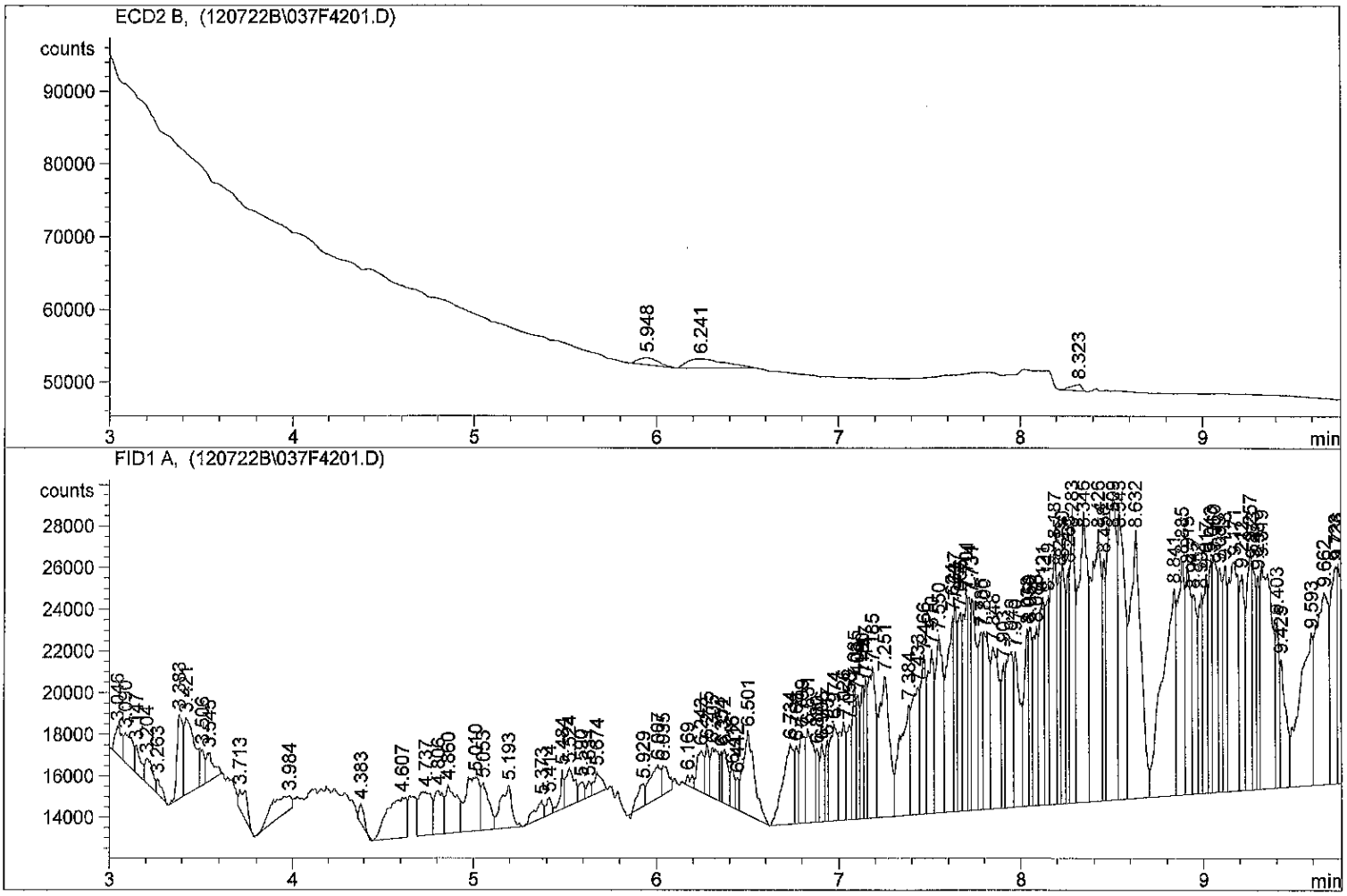

*** End of Report ***

```
==========================================================================
Injection Date  : 12/9/2022 1:03:23 AM          Seq. Line :  34
Sample Name     : 22L0137 48                     Location : Vial 31
Acq. Operator   : YL                                Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
==========================================================================
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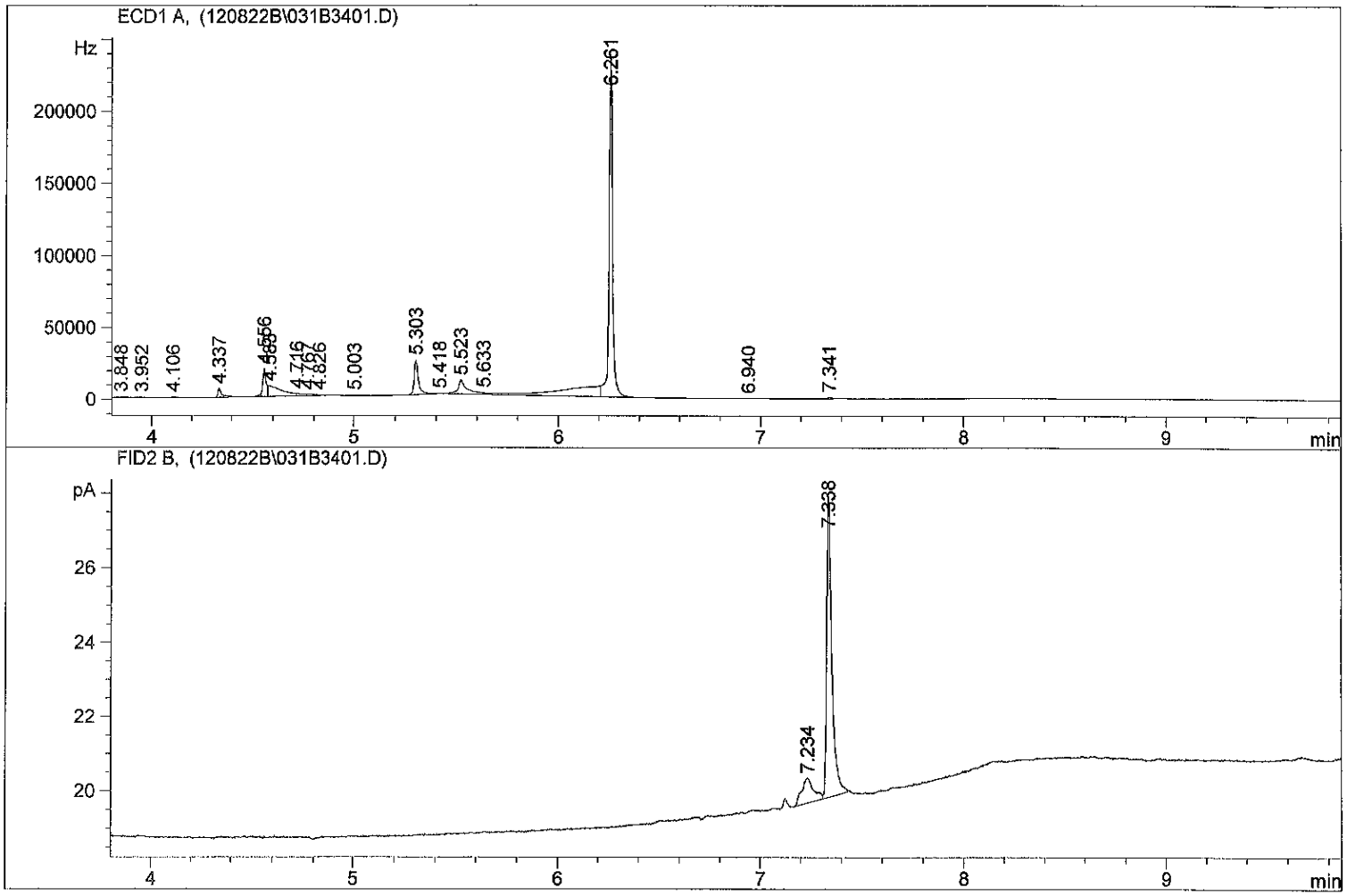
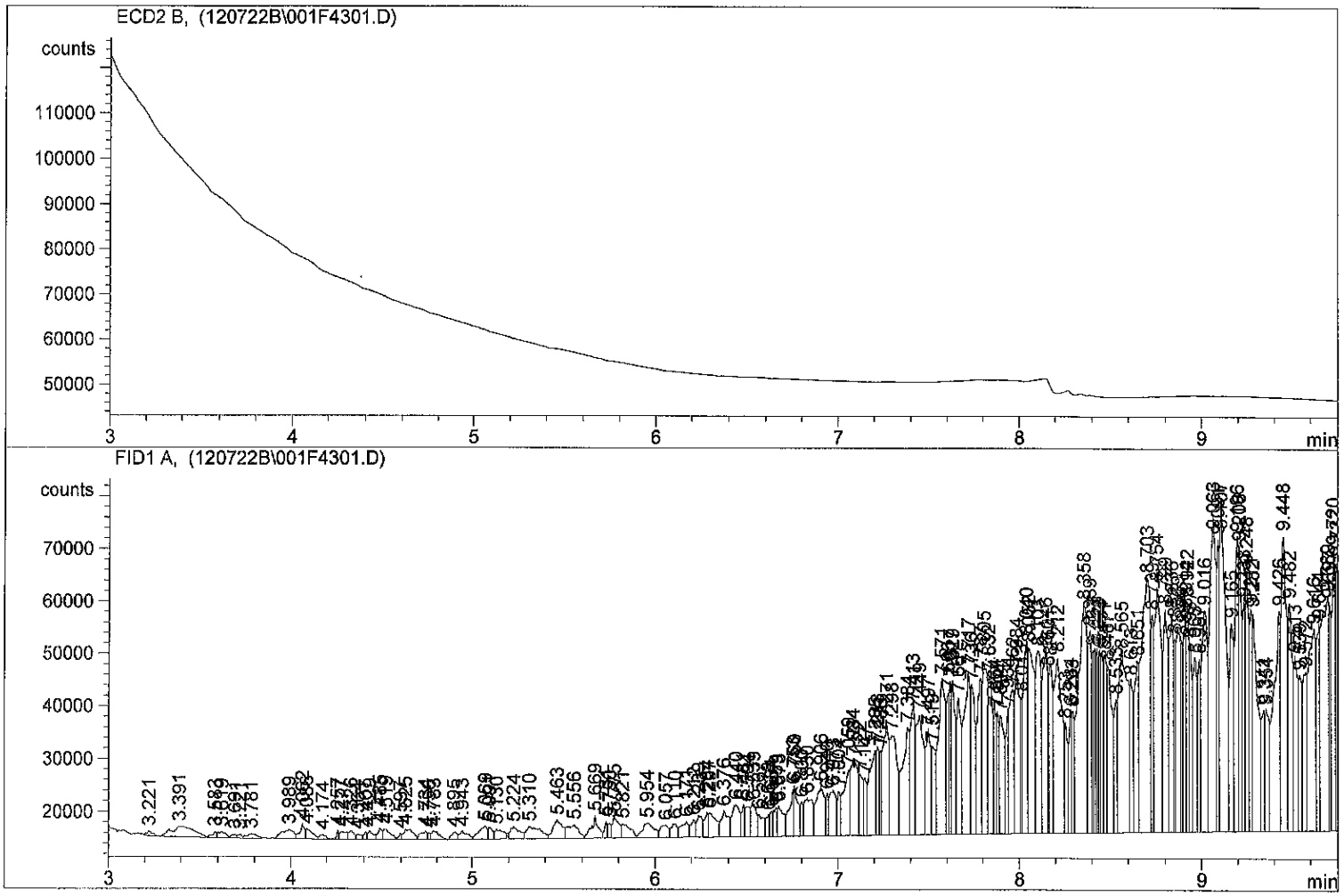


*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\001F4301.D Sample Name: DCM RINSE

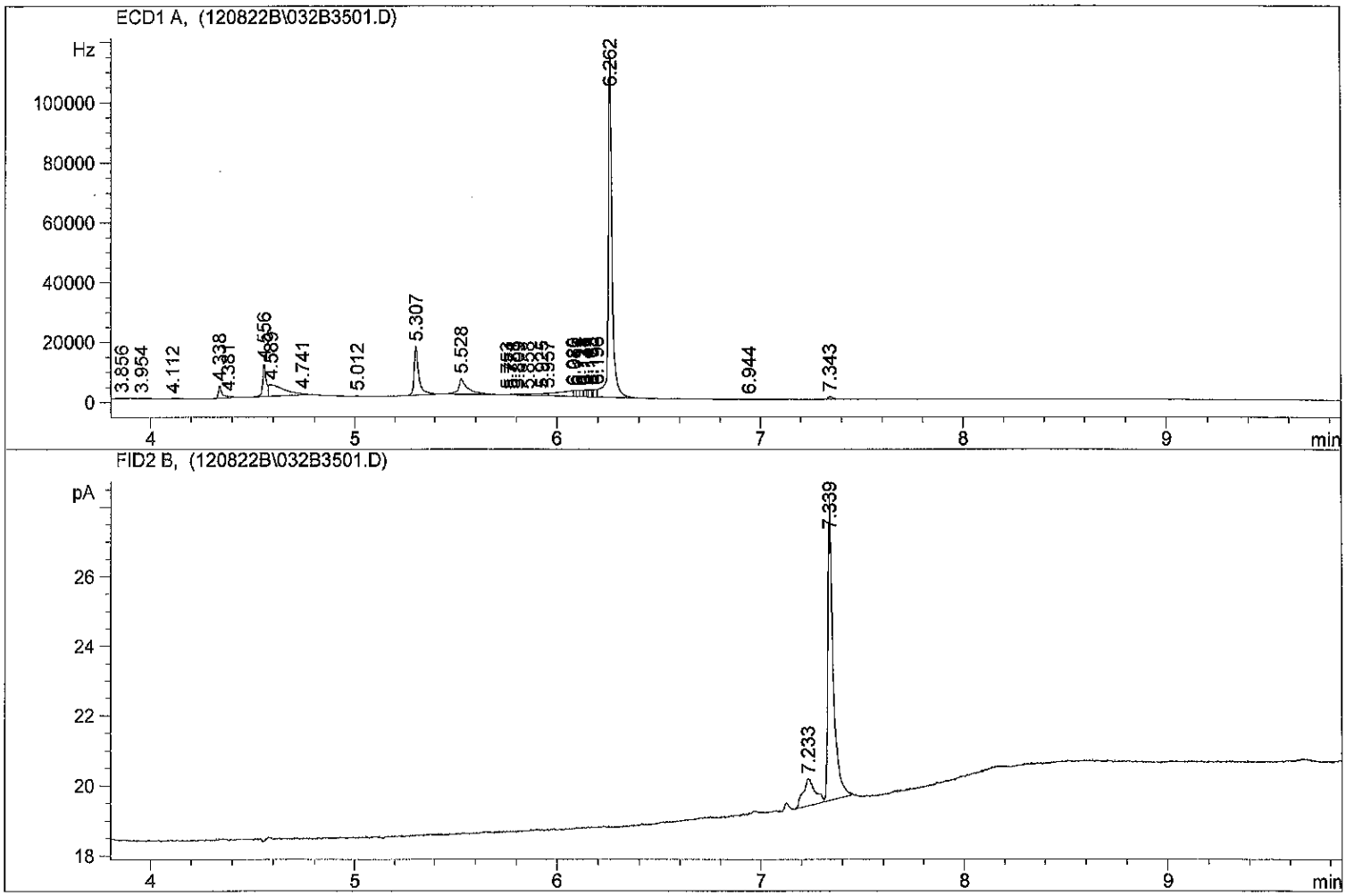
Injection Date	: 12/9/2022 1:13:30 AM	Seq. Line	: 43
Sample Name	: DCM RINSE	Location	: Vial 1
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\032B3501.D Sample Name: 22L0137 49

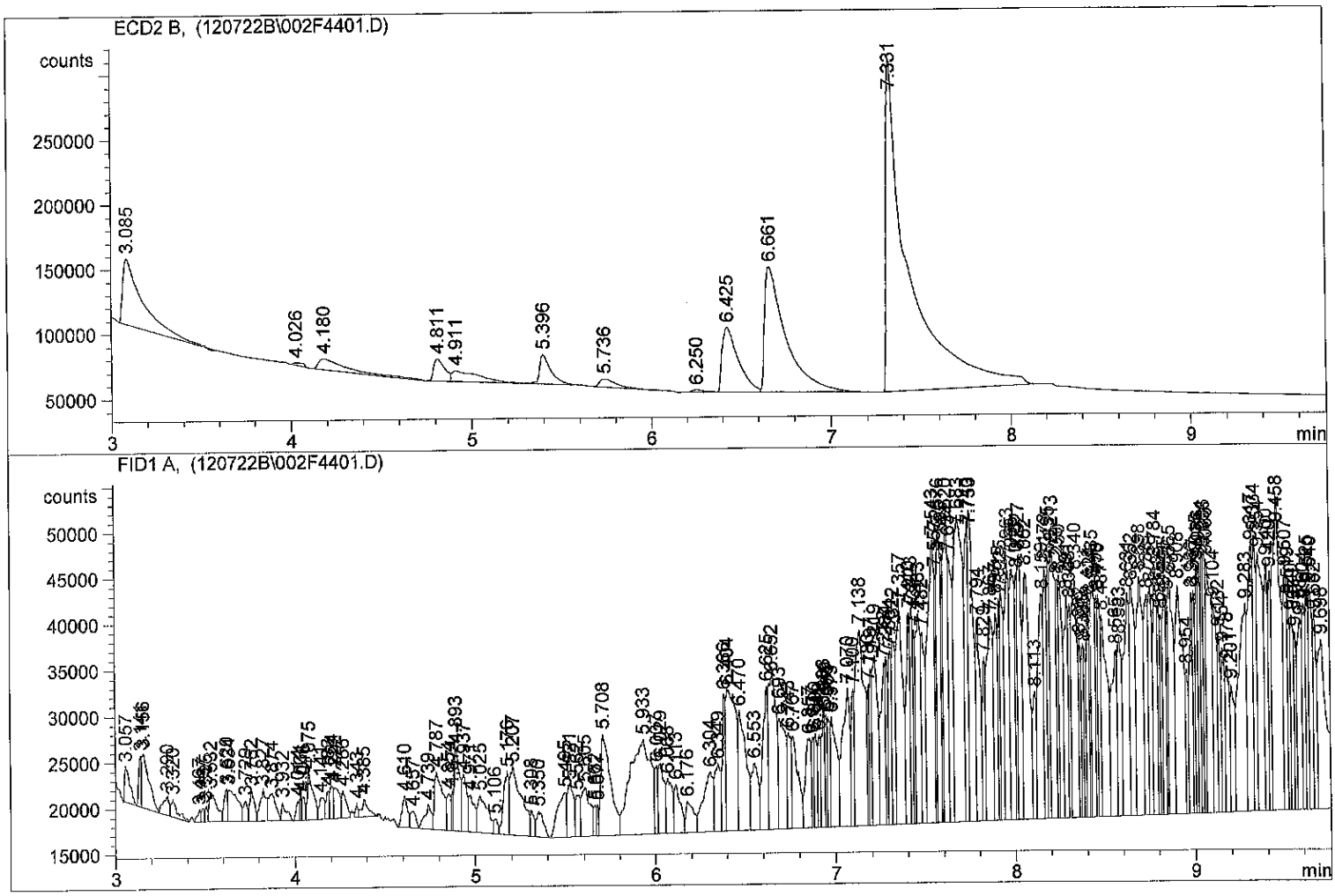
Injection Date	: 12/9/2022 1:18:07 AM	Seq. Line	: 35
Sample Name	: 22L0137 49	Location	: Vial 32
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

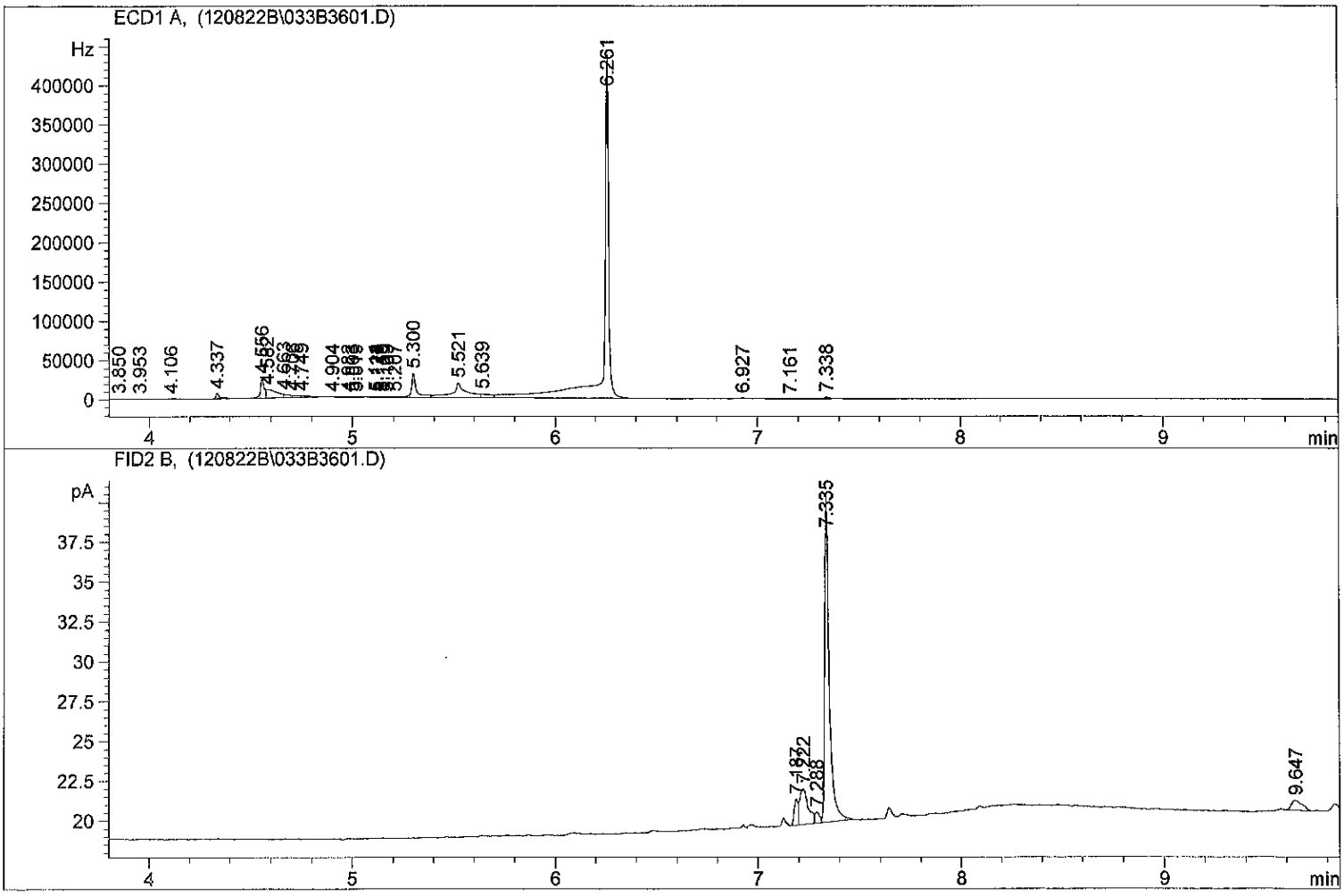
Data File C:\HPCHEM\1\DATA\120722B\002F4401.D Sample Name: PNA STD 10PPM

Injection Date	: 12/9/2022 1:27:00 AM	Seq. Line	: 44
Sample Name	: PNA STD 10PPM	Location	: Vial 2
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120722BS.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Injection Date : 12/9/2022 1:29:46 AM Seq. Line : 36
Sample Name : 22L0137 50 Location : Vial 33
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

Data File C:\HPCHEM\1\DATA\120722B\003F4501.D Sample Name: AR1660 1PPM

```
Injection Date  : 12/9/2022 1:41:41 AM          Seq. Line :  45
Sample Name     : AR1660 1PPM                   Location : Vial 3
Acq. Operator   : YL                               Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120722BS.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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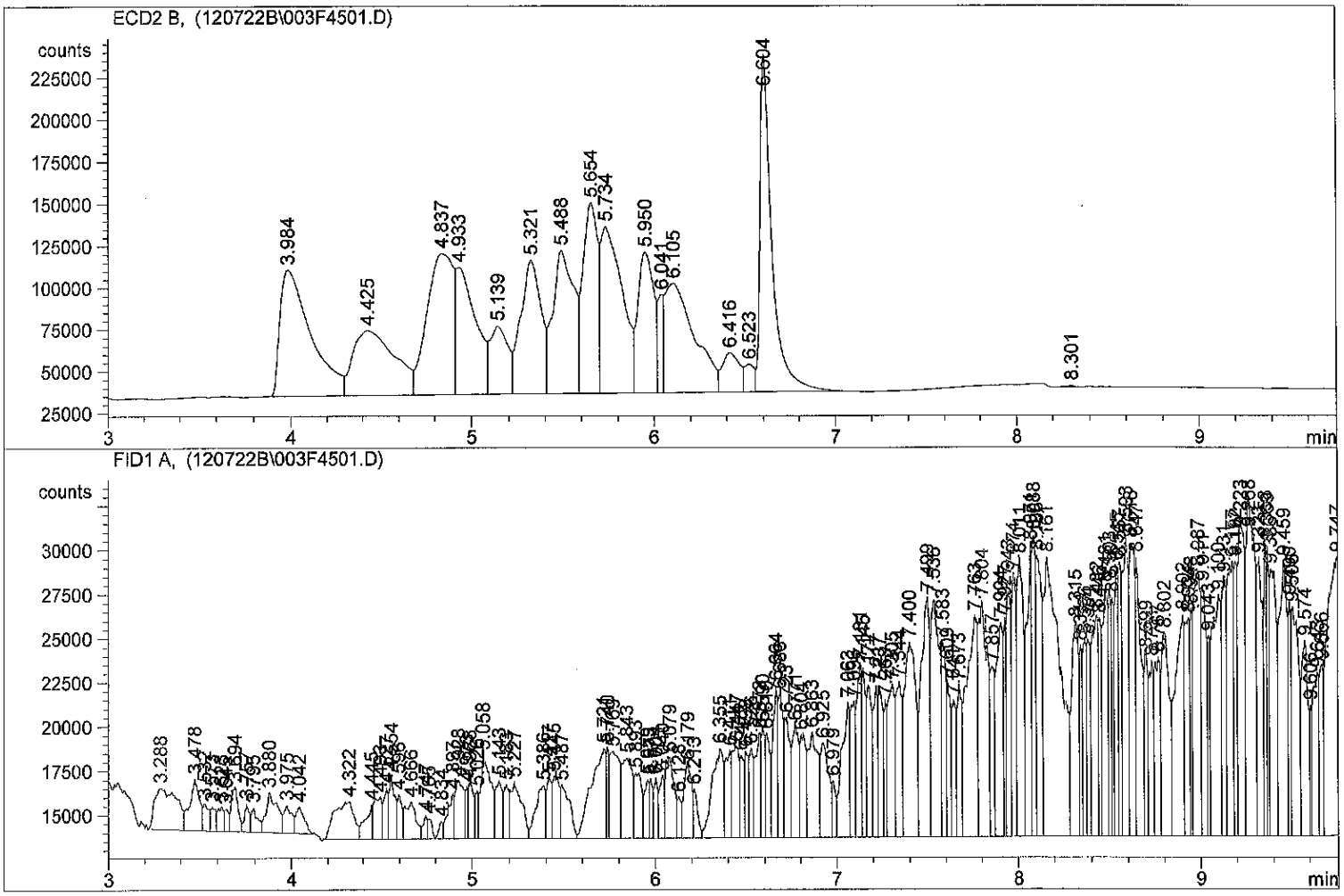
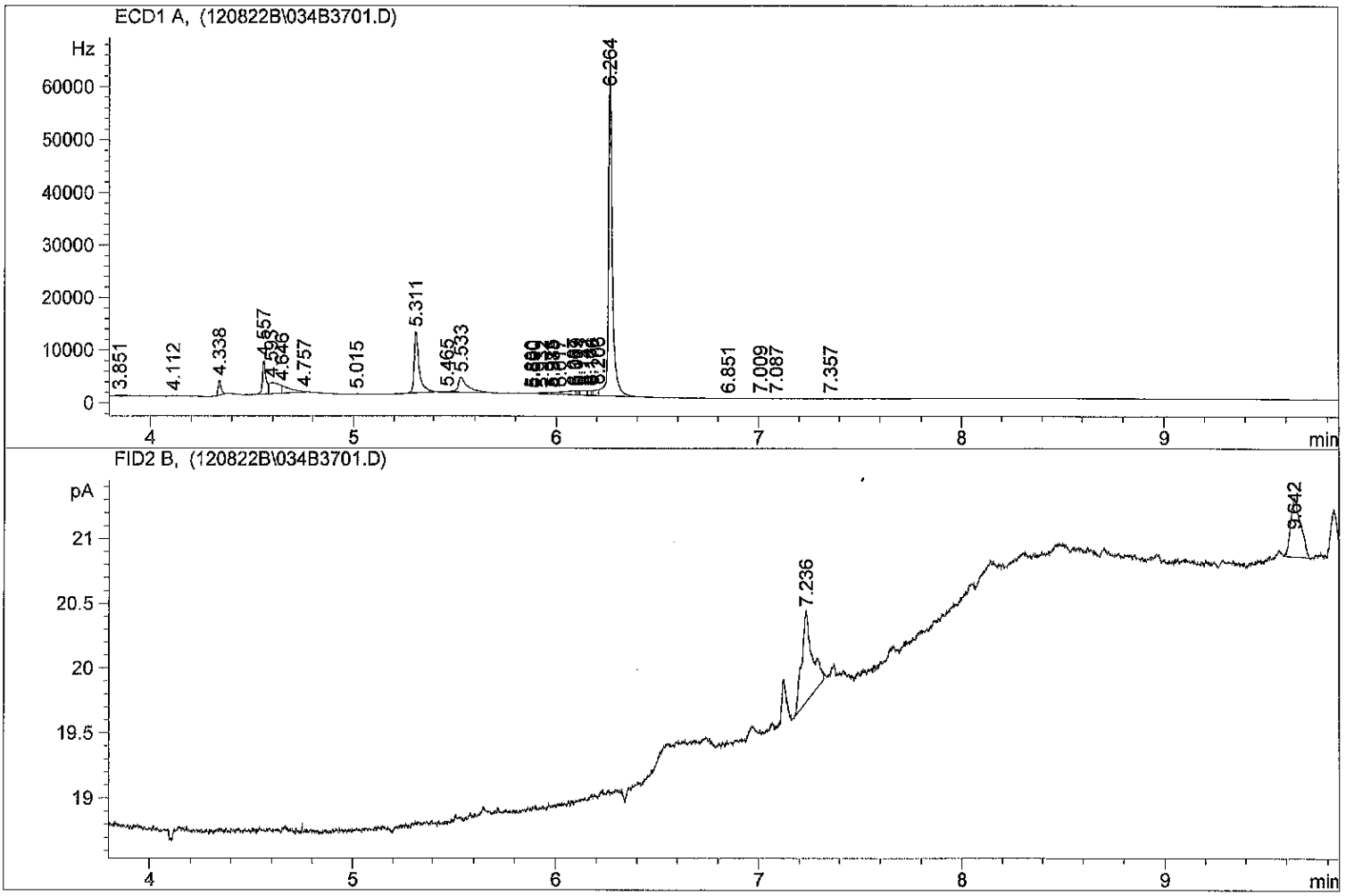


*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\034B3701.D Sample Name: 22L0137 51

Injection Date	: 12/9/2022 1:48:00 AM	Seq. Line	: 37
Sample Name	: 22L0137 51	Location	: Vial 34
Acq. Operator	: YL	Inj	: 1
		Inj Volume	: 2 µl
Different Inj Volume from Sequence !		Actual Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\2\SEQUENCE\120822B.S		
Method	: C:\HPCHEM\2\METHODS\SCREEN.M		
Last changed	: 10/18/2022 7:53:49 AM by DM		



*** End of Report ***

```
Injection Date  : 12/9/2022 2:02:45 AM          Seq. Line :  38
Sample Name     : 22L0137 52                    Location : Vial 35
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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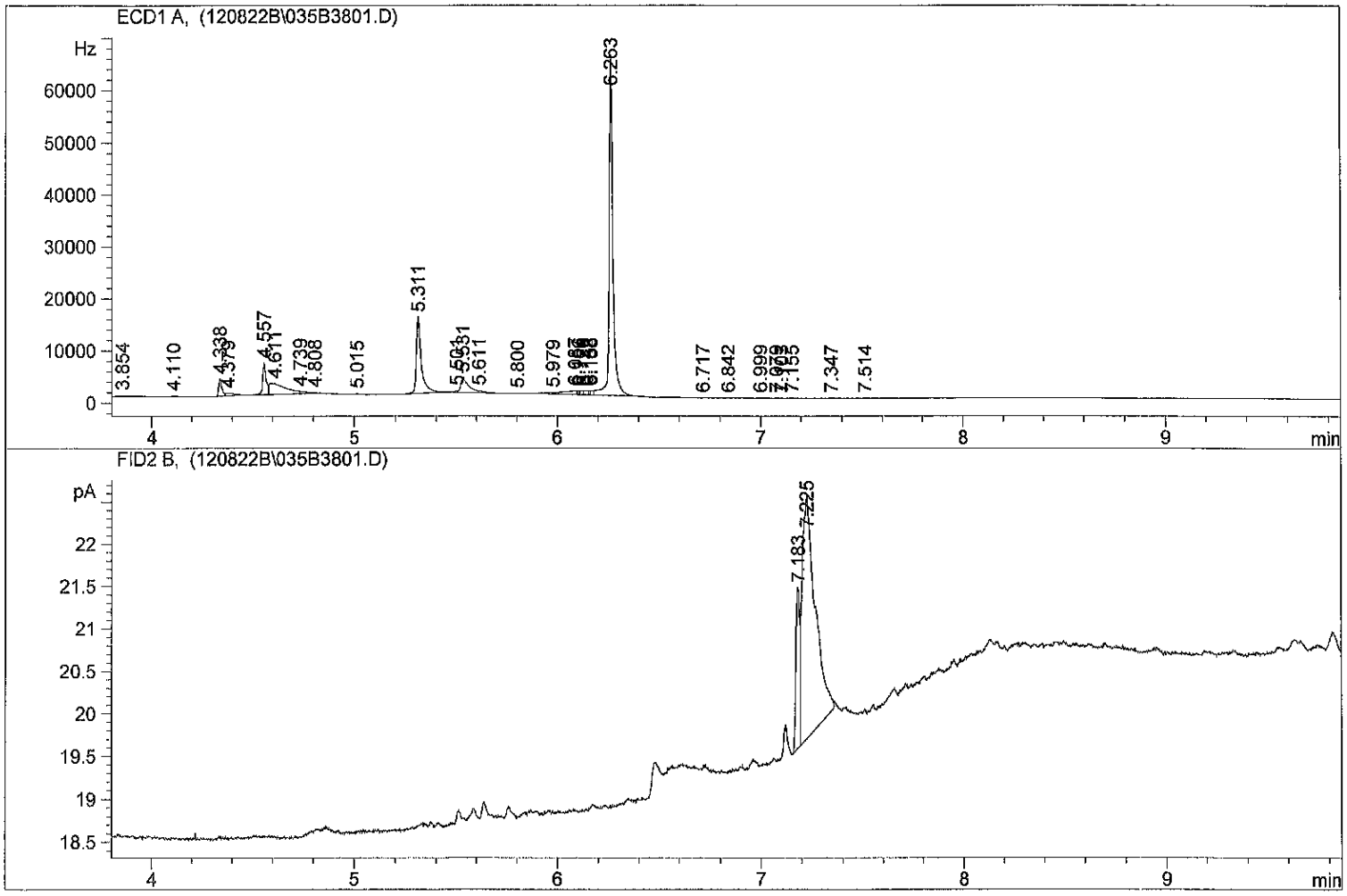

*** End of Report ***

```
==========================================================================
Injection Date  : 12/9/2022 2:17:31 AM          Seq. Line :  39
Sample Name     : 22L0137 53                    Location : Vial 36
Acq. Operator   : YL                               Inj :  1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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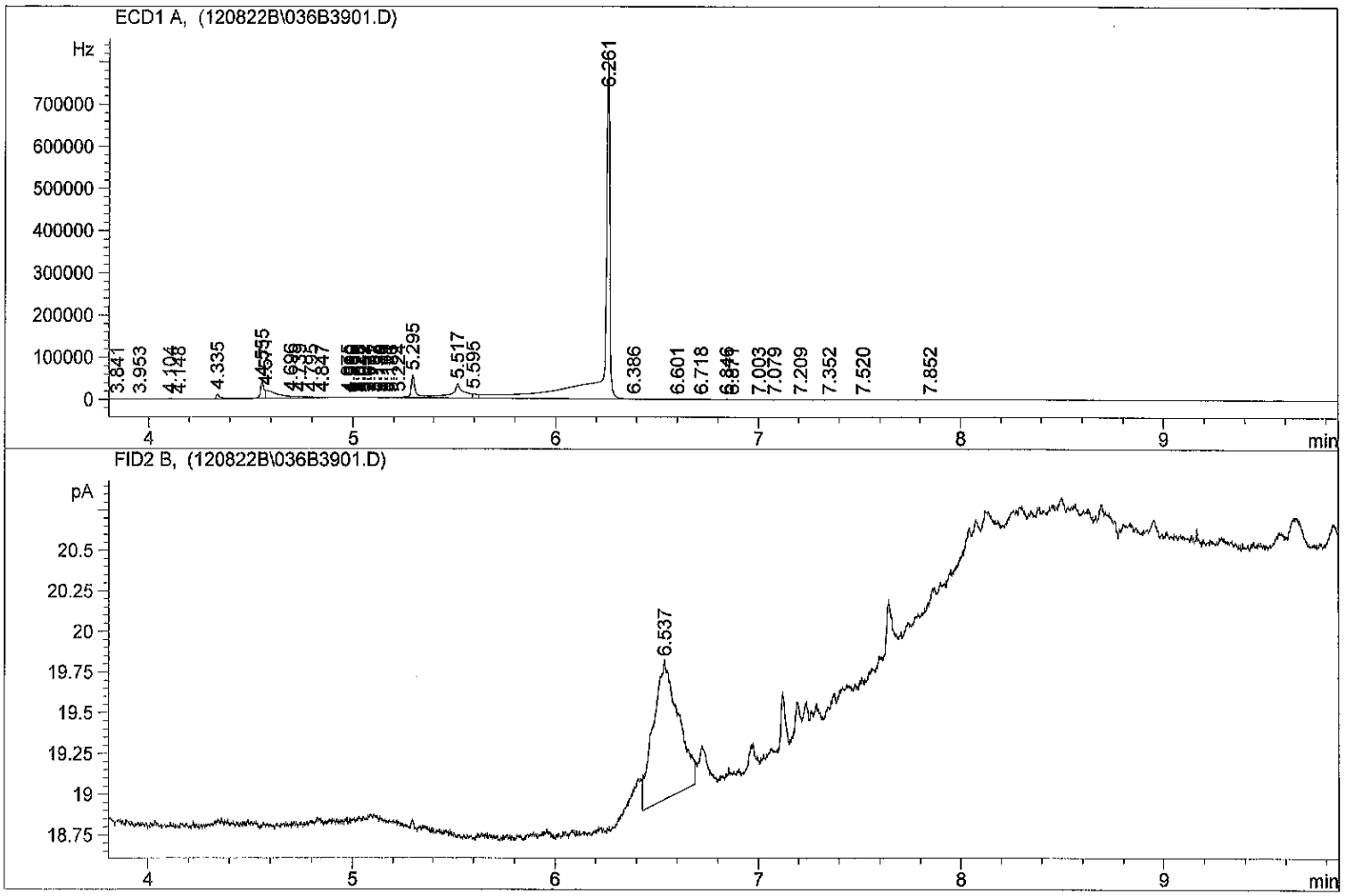

*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\037B4001.D Sample Name: 22L0137 54

```
Injection Date    : 12/9/2022 2:32:17 AM          Seq. Line :  40
Sample Name       : 22L0137 54                    Location : Vial 37
Acq. Operator     : YL                                Inj :   1
                                                  Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File     : C:\HPCHEM\2\SEQUENCE\120822B.S
Method            : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed      : 10/18/2022 7:53:49 AM by DM
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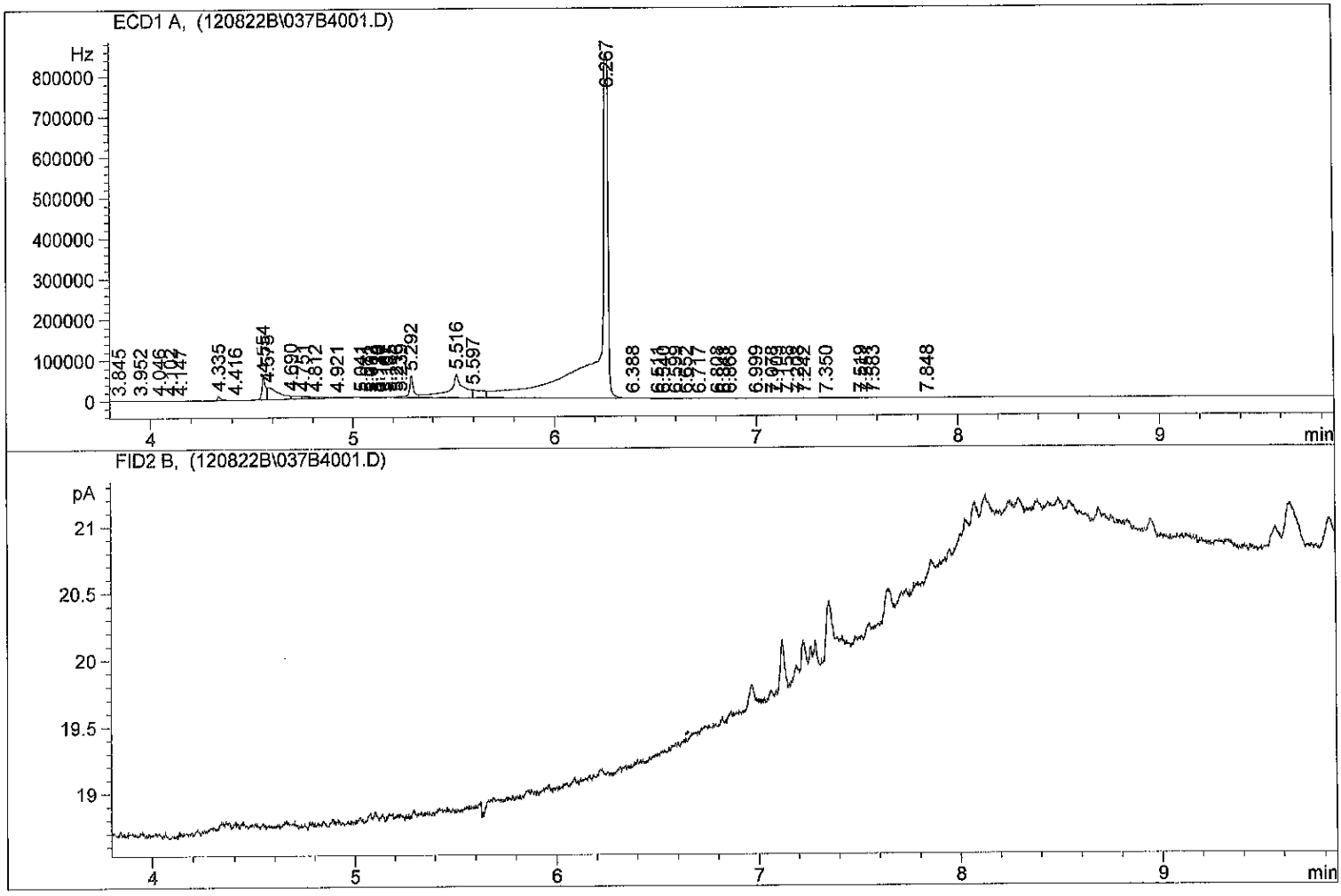

*** End of Report ***

```
Injection Date  : 12/9/2022 2:47:01 AM          Seq. Line :  41
Sample Name     : 22L0137 55                    Location : Vial 38
Acq. Operator   : YL                               Inj :  1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
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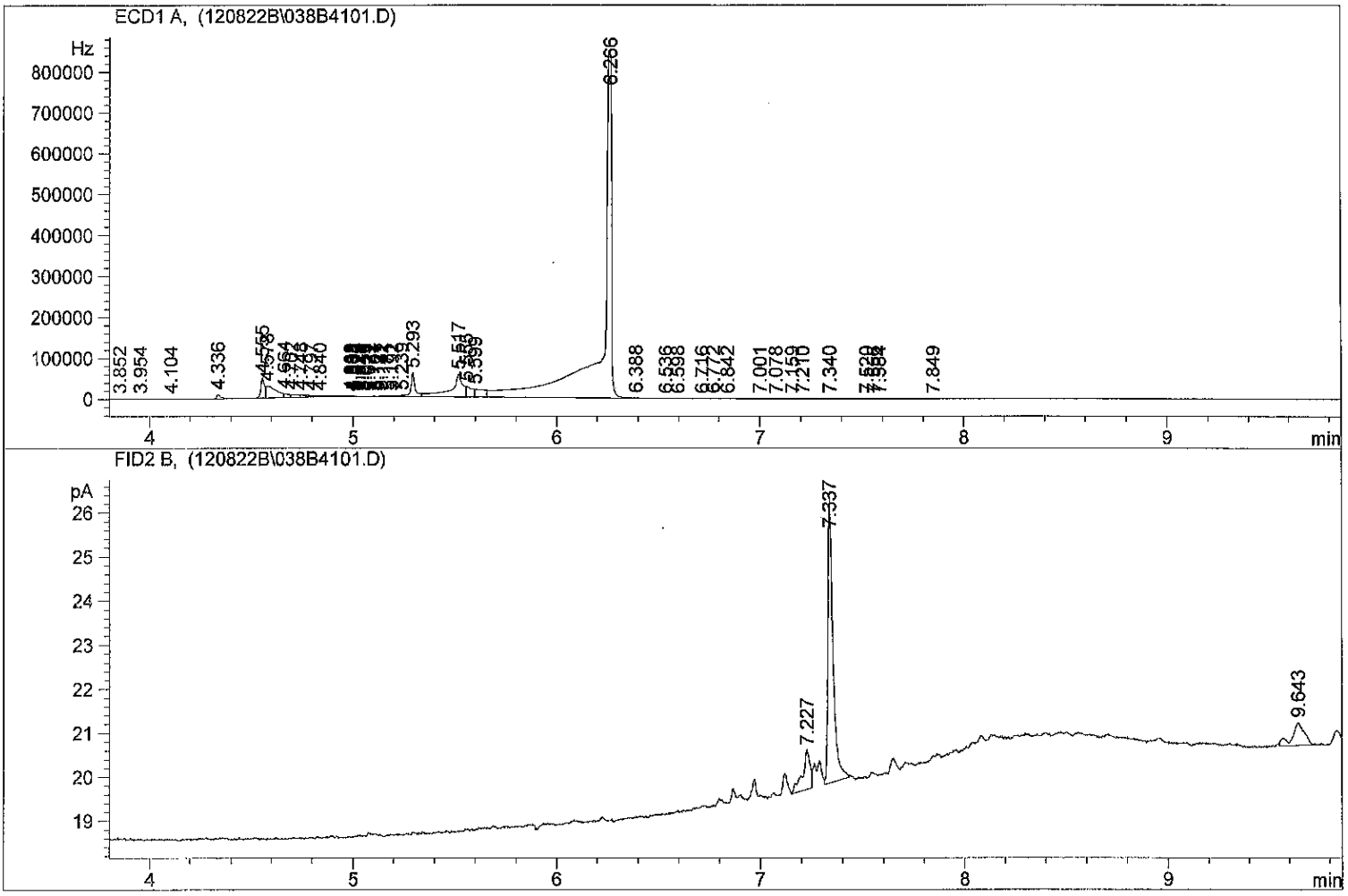
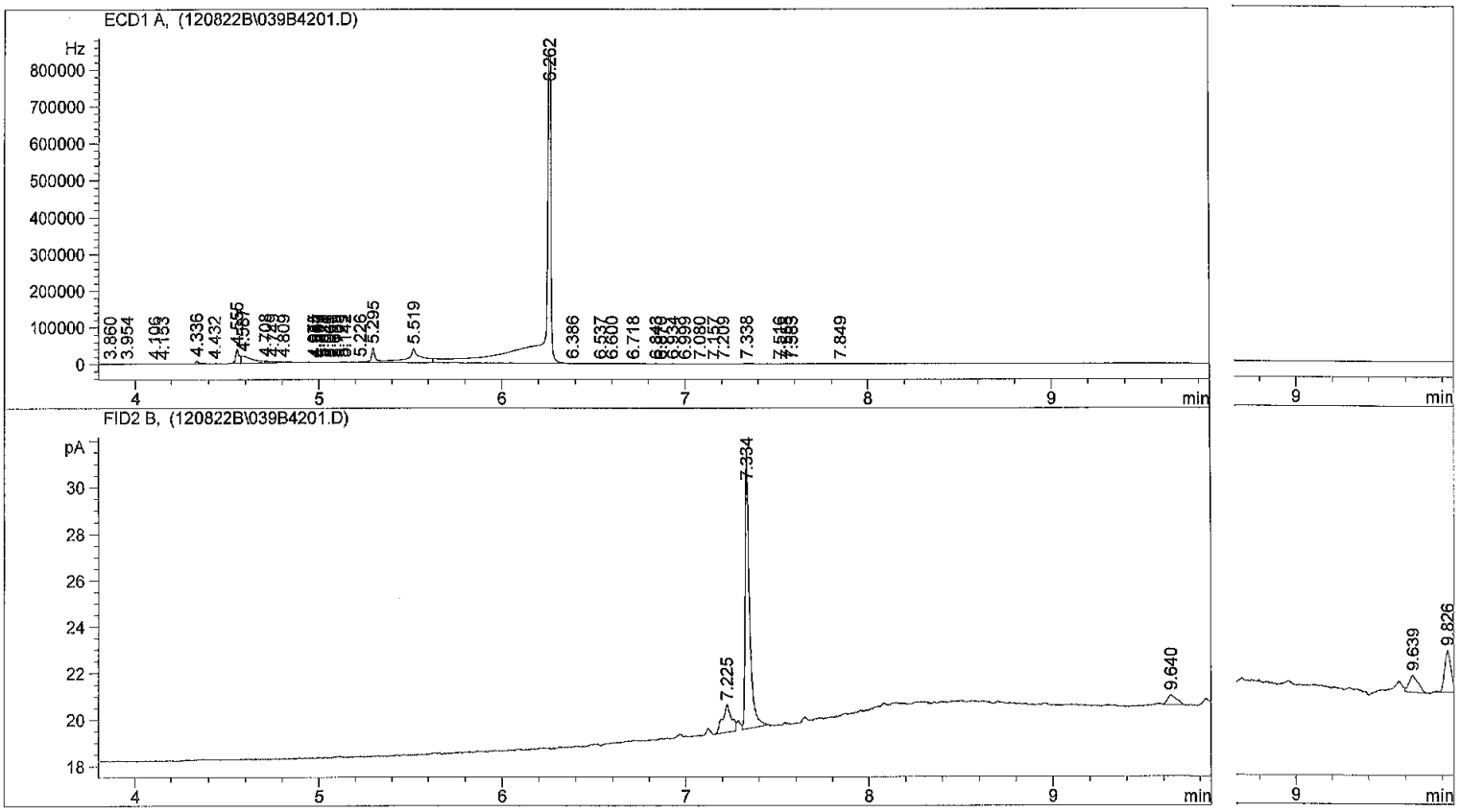


*** End of Report ***

Data File C:\HPCHEM\2\DATA\120822B\039B4201.D Sample Name: 22L0137 56 Name: 22L0137 57

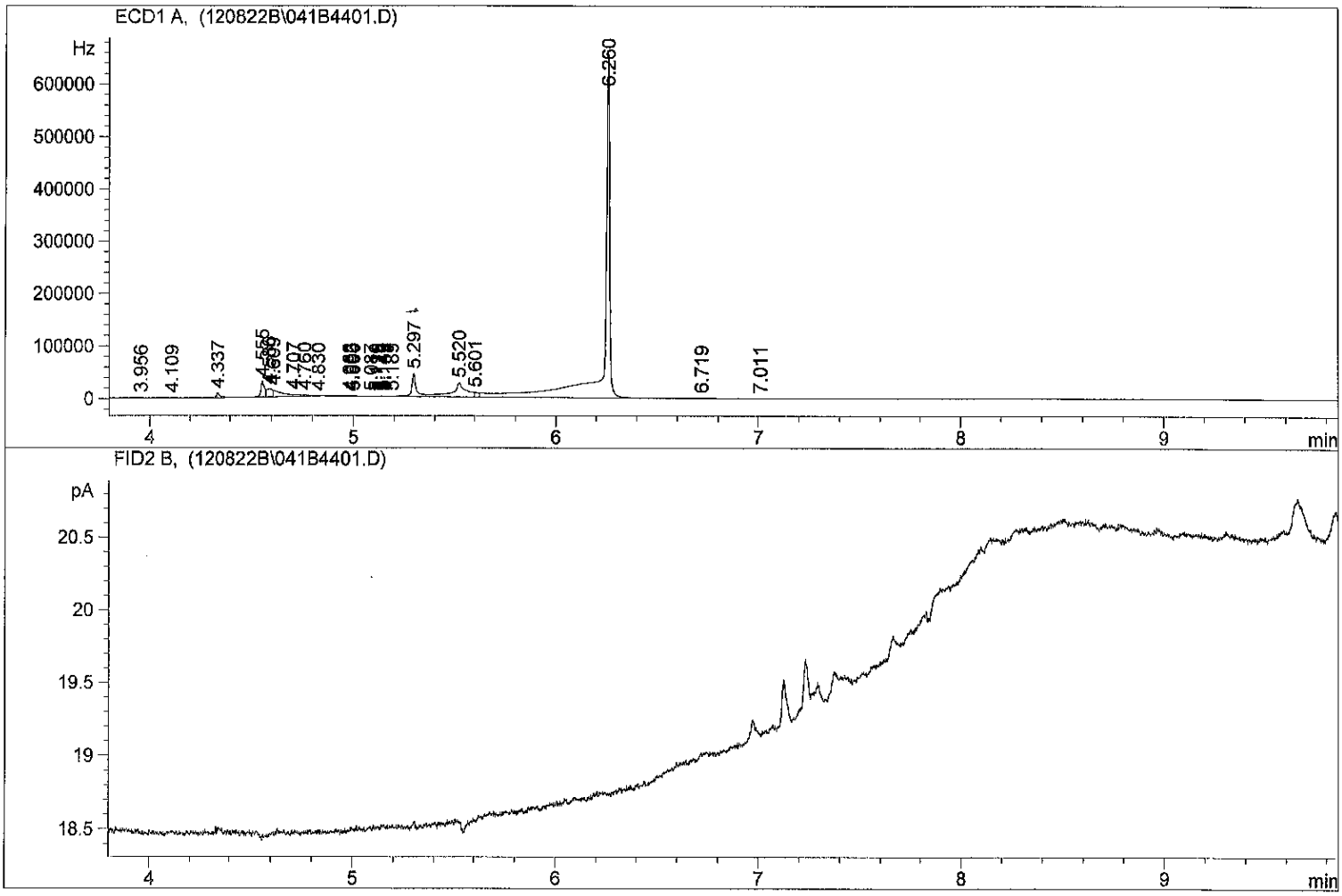
Injection Date : 12/9/2022 3:01:42 AM Seq. Line : 42
Sample Name : 22L0137 56 Location : Vial 39
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

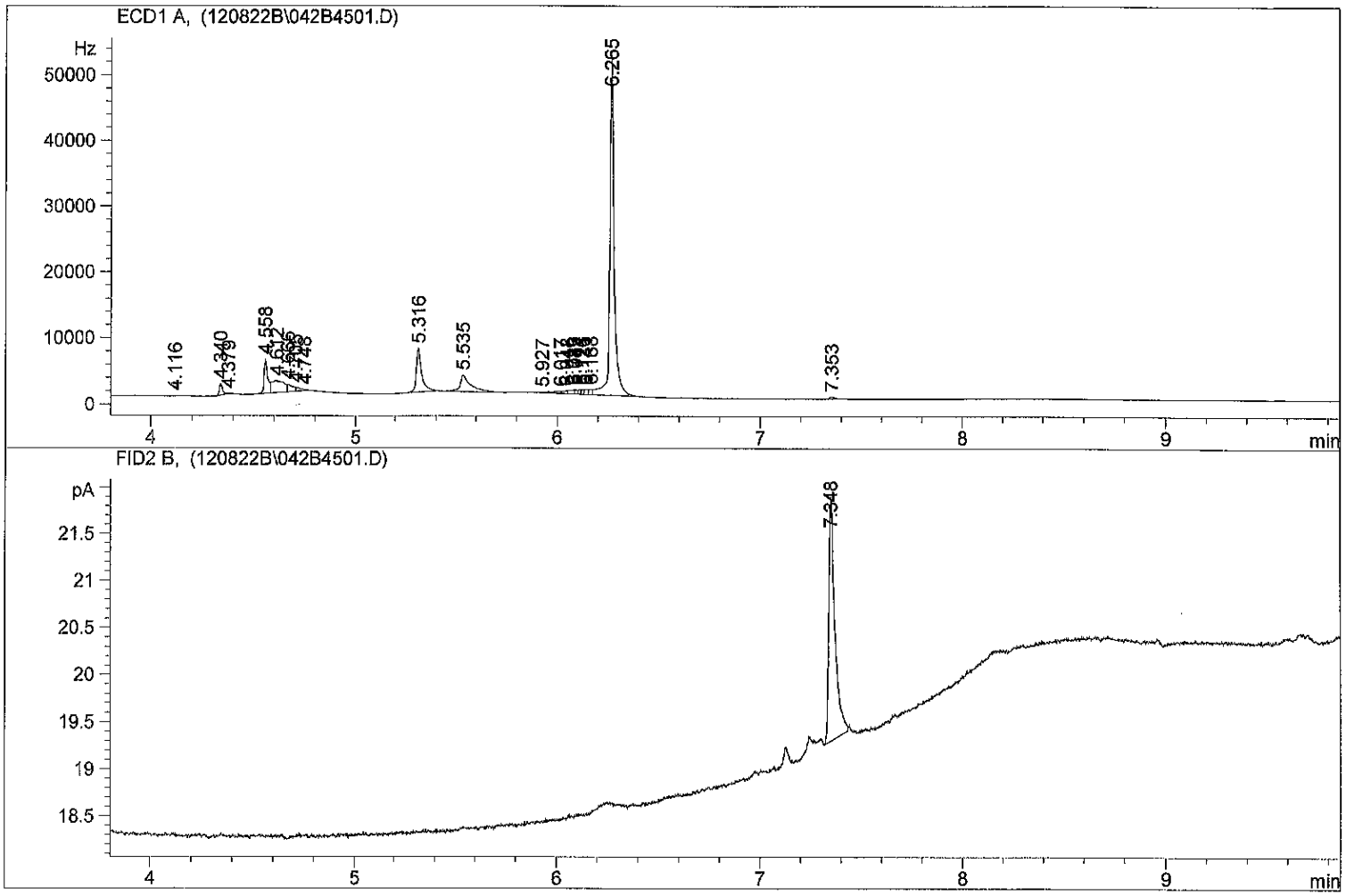
Data File C:\HPCHEM\2\DATA\120822B\041B4401.D Sample Name: 22L0137 58

Injection Date : 12/9/2022 3:31:10 AM Seq. Line : 44
Sample Name : 22L0137 58 Location : Vial 41
Acq. Operator : YL Inj : 1
Inj Volume : 2 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

```
==========================================================================
Injection Date  : 12/9/2022 3:45:53 AM          Seq. Line :  45
Sample Name     : 22L0137 59                    Location  : Vial 42
Acq. Operator   : YL                               Inj :   1
                                                Inj Volume : 2 µl
Different Inj Volume from Sequence !     Actual Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\120822B.S
Method          : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed    : 10/18/2022 7:53:49 AM by DM
==========================================================================
```



*** End of Report ***

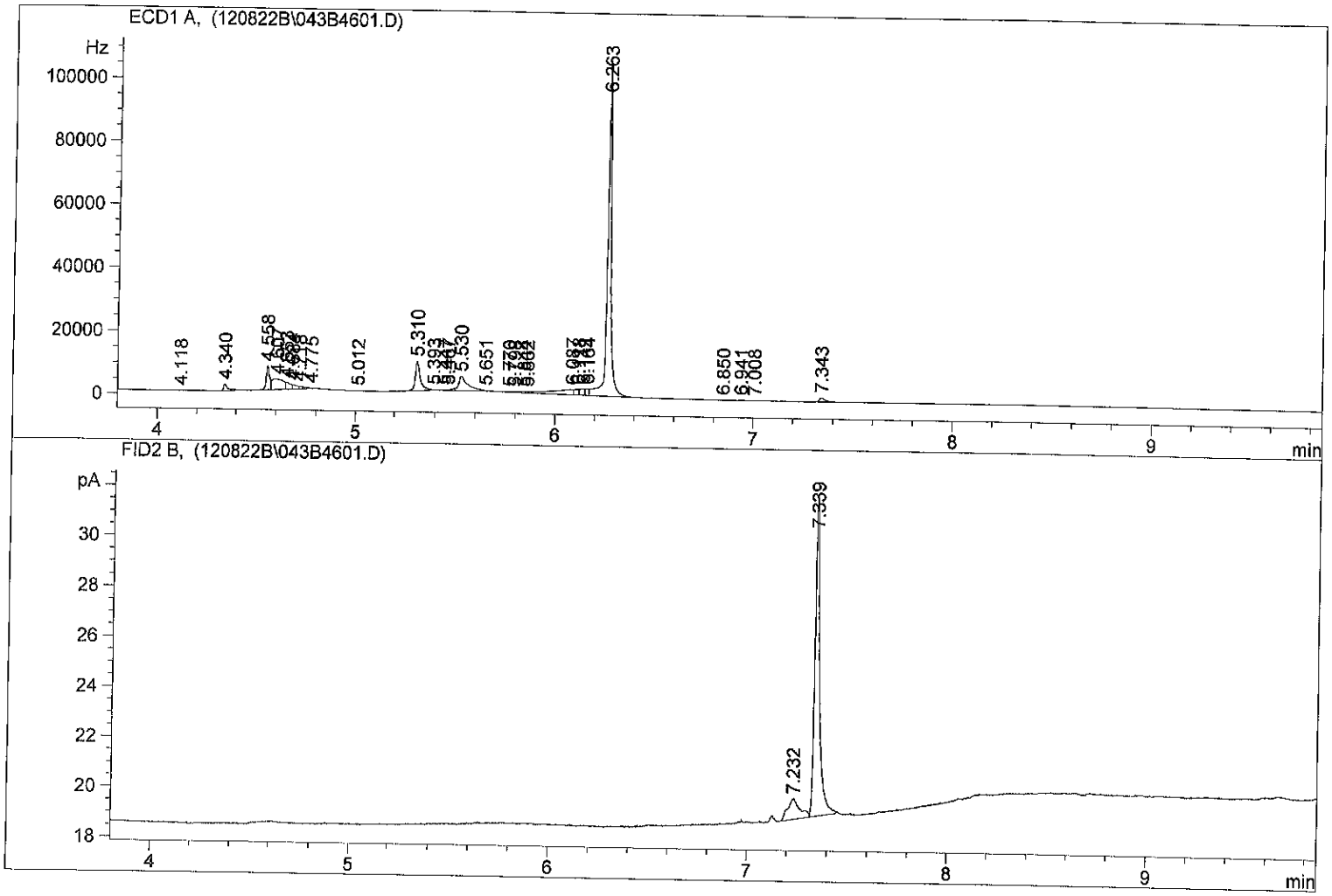
Data File C:\HPCHEM\2\DATA\120822B\043B4601.D

Sample Name: 22L0137 60

Injection Date : 12/9/2022 4:00:36 AM
Sample Name : 22L0137 60
Acq. Operator : YL

Seq. Line : 46
Location : Vial 43
Inj : 1
Inj Volume : 2 µl

Different Inj Volume from Sequence ! Actual Inj Volume : 1 µl
Sequence File : C:\HPCHEM\2\SEQUENCE\120822B.S
Method : C:\HPCHEM\2\METHODS\SCREEN.M
Last changed : 10/18/2022 7:53:49 AM by DM



*** End of Report ***

Instrument 2 12/9/2022 4:10:59 AM YL

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0282 Batch Matrix: Solid Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC769C	22L0137-61	12202250ECD7.D	12/13/22 17:43	
LDW22-SC769D	22L0137-62	12202251ECD7.D	12/13/22 17:43	
LDW22-SC769E	22L0137-63	12202252ECD7.D	12/13/22 17:43	
LDW22-SC769F	22L0137-64	12202253ECD7.D	12/13/22 17:43	
LDW22-SC769G	22L0137-65	12202254ECD7.D	12/13/22 17:43	
LDW22-SC769G	22L0137-65RE1	12222218ECD7.D	12/13/22 17:43	Added 12/27/2022 by PK
LDW22-SC769H	22L0137-66	12202255ECD7.D	12/13/22 17:43	
LDW22-SC769I	22L0137-67	12202256ECD7.D	12/13/22 17:43	
LDW22-SC769J	22L0137-68	12202257ECD7.D	12/13/22 17:43	
LDW22-SC769J	22L0137-68RE1	12222219ECD7.D	12/13/22 17:43	Added 12/27/2022 by PK
LDW22-SC769K	22L0137-69	12202258ECD7.D	12/13/22 17:43	
LDW22-SC769K	22L0137-69RE1	12222220ECD7.D	12/13/22 17:43	Added 12/27/2022 by PK
Blank	BKL0282-BLK1	12202244ECD7.D	12/13/22 17:43	
LCS	BKL0282-BS1	12202245ECD7.D	12/13/22 17:43	
LCS Dup	BKL0282-BSD1	12202246ECD7.D	12/13/22 17:43	
LDW22-SC769K	BKL0282-MS1	12202248ECD7.D	12/13/22 17:43	
LDW22-SC769K	BKL0282-MSD1	12202249ECD7.D	12/13/22 17:43	
Reference	BKL0282-SRM1	12202247ECD7.D	12/13/22 17:43	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0282

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/13/22 **Balance ID:** B14646614 **Set Up By:** GD 12/12/22

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0137-61 B	57.6	(21.71)	21.79	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-62 B	58.6	(21.34)	21.39	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-63 B	61.5	(20.33)	20.38	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-64 B	62.1	(20.13)	20.16	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-65 B	63.9	(19.55)	19.56	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-66 B	64.8	(19.29)	19.33	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-67 B	64.2	(19.46)	19.47	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-68 B	65.0	(19.24)	19.29	5mL	5mL	2mL	2.5 ____	1.0 ____	
22L0137-69 B	71.5	(17.48)	17.49	5mL	5mL	2mL	2.5 ____	1.0 ____	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0282-BLK1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5 ____	1.0 ____	(10g Actual Wt.)
BKL0282-BS1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5 ____	1.0 ____	(10g Actual Wt.)
BKL0282-BSD1	100.0	(12.50)	12.54	5mL	5mL	2mL	2.5 ____	1.0 ____	(10g Actual Wt.)
BKL0282-MS1	71.5	(17.48)	17.49	5mL	5mL	2mL	2.5 ____	1.0 ____	Use 22L0137-69
BKL0282-MSD1	71.5	(17.48)	17.48	5mL	5mL	2mL	2.5 ____	1.0 ____	Use 22L0137-69
BKL0282-SRM1	100.0	~~(12.50)~~ (2.50)	____	5mL	5mL	2mL	2.5 ____	1.0 ____	Use K003525

+1g DI WATER

12/13/22
Client ID Verified By — Date

LJ 12/14/22
Preparation Reviewed By — Date

12/13/22 17:43
Extraction Date and Time — ~~15:43~~ 12/13/22

Printed: 12/12/2022 10:18:47AM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0282

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
1 2 3
CT 12/13/22
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 4 5 6
LJ 12/15/22
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 4 5
LJ 12/14/22
Analyst/Date

TurboVap
Post Cleanups
1 2 3 4 5
LJ 12/14/22
Analyst/Date

Vialing
LJ 12/14/22
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: CT Date: 12/13/22	
Neutral Glass Wool	KB1266
1:1 Hexane/Acetone	KB1163
Hexane	KB083104
Anhydrous Sodium Sulfate	KB11285
KD Analyst: LJ Date: 12/15/22	
Anhydrous Sodium Sulfate	K011285
Hexane	K011373
Vialing Analyst: LJ Date: 12/14/22	
Hexane	K011373
Concentrated Sulfuric Acid	K009796
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	~~K003734~~ K003744 LJ 12/14/22
Tetrabutylammonium hydrogensulfate (TBAS)	K010832

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K010600 (V) Exp Date: 1/23/2023	50µL	CT	
Spike 20µg/mL	1 K008150 (V) Exp Date: 3/5/2023	63µL	CT	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0282

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0137: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh soil/sed into beakers-lightly dry with sodium sulfate. 2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization. 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool. 7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug. 8. Re-homogenize and rinse with 1:1 Hexane/Acetone. 9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane. 10. KD on 100° bath. 11. Exchange (2 X with 20mL) Hexane. 12. TurboVap. 13. Clean-ups. 14. TurboVap. 15. Vial with Hexane. A. Need Total Solids Y (N) B. Archive/Freeze (Y) N	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

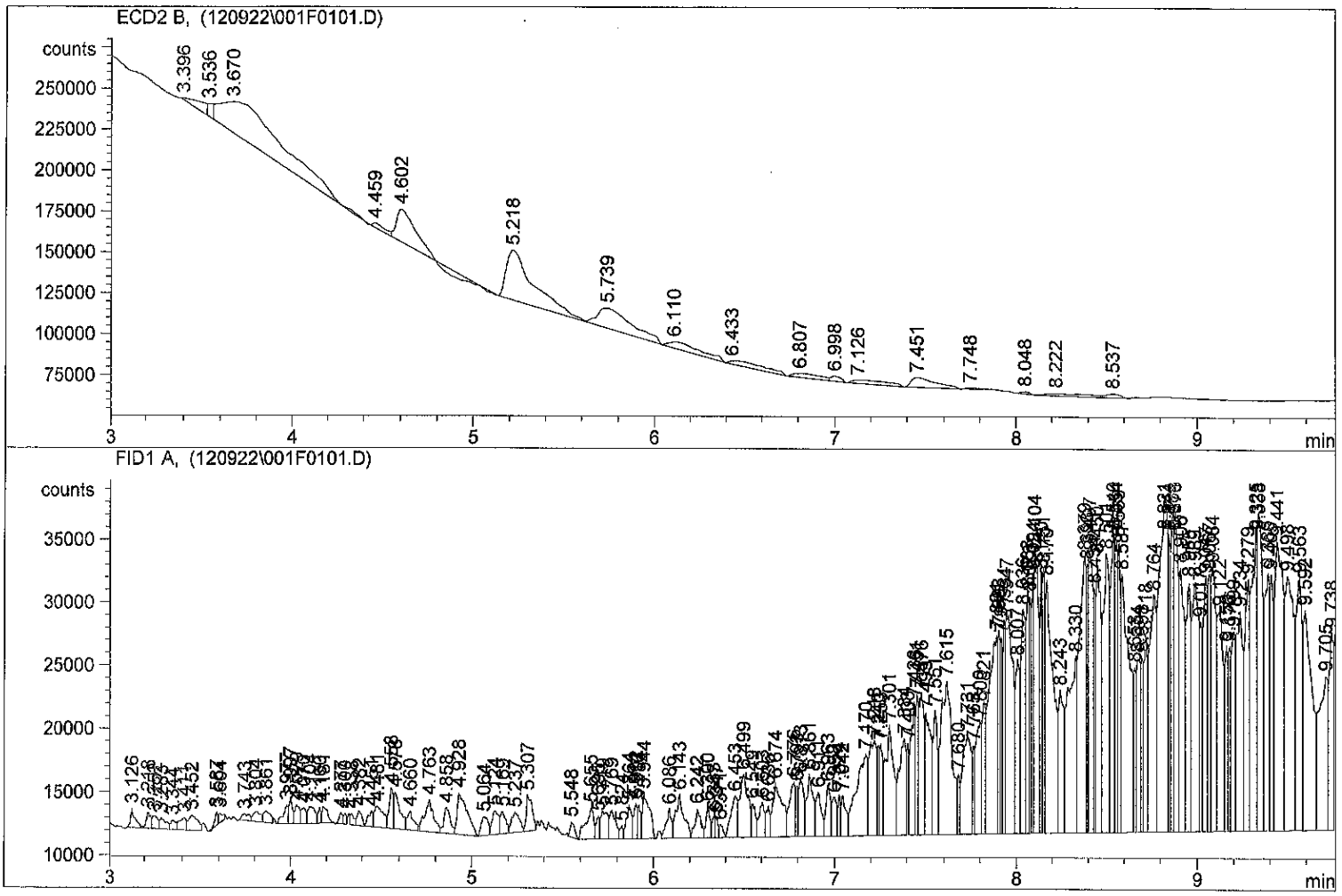
Organic Extractions Laboratory Analyst Notes

Extraction Parameter: PCB Extraction Batch BKL0282

Total Solids Batch: BKL075 Work Order(s): 22L0137-61-69

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 61-69	CR 12/09/22
☒ Standing Water Decanted (Not shared)= 61, 63	CR 12/09/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☐ Previously Frozen =	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / (N)	CR 12/09/22
☒ Multiple Jars Y / (N)	CR 12/09/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

Injection Date	: 12/9/2022 5:09:04 PM	Seq. Line	: 1
Sample Name	: DCM RINSE	Location	: Vial 1
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

```
Injection Date  : 12/9/2022 5:23:18 PM          Seq. Line :   2
Sample Name     : PNA STD 10PPM                  Location : Vial 2
Acq. Operator   : CR                                Inj :   1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\120922.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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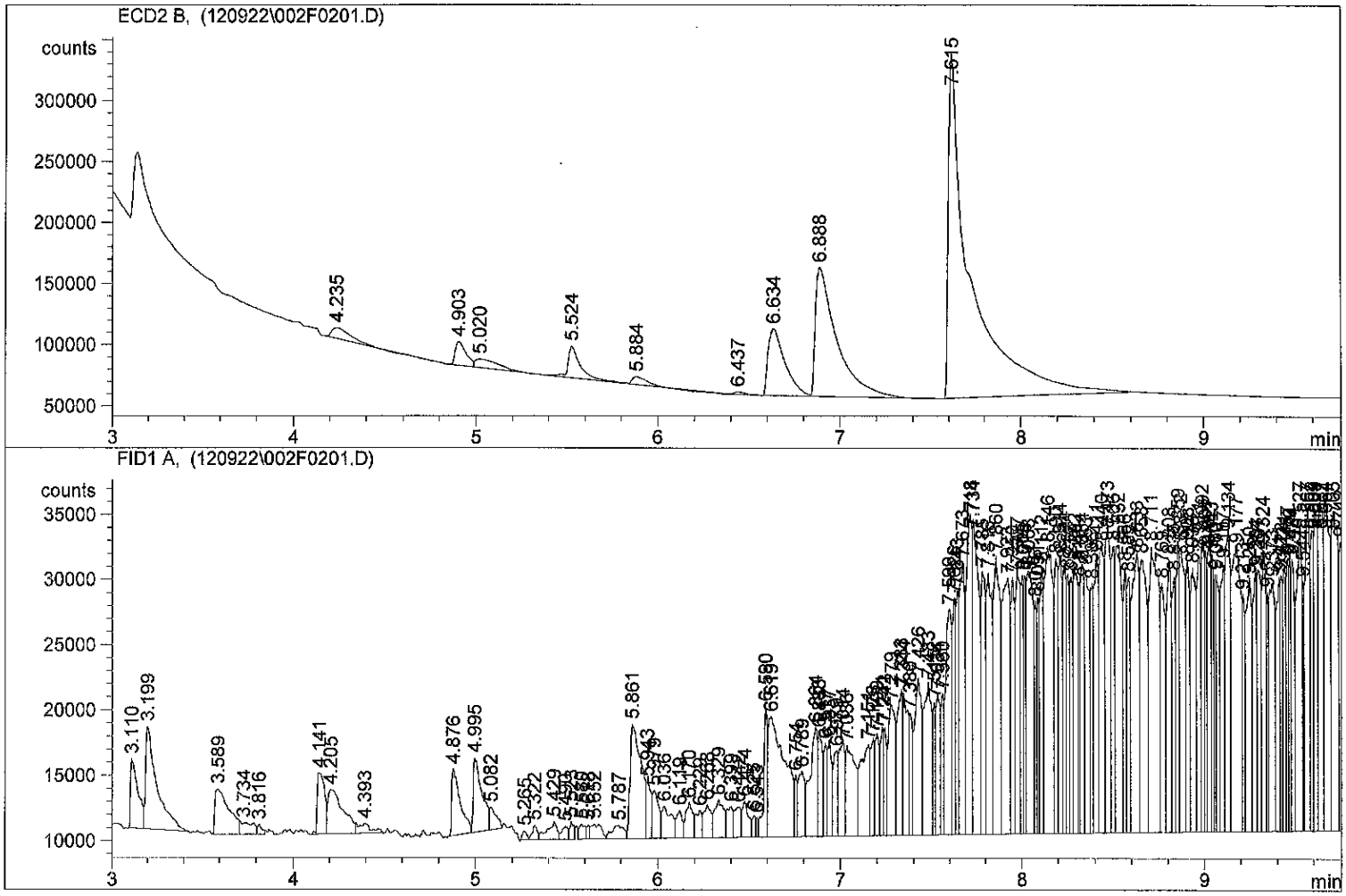

*** End of Report ***

```
Injection Date  : 12/9/2022 5:37:49 PM          Seq. Line :   3
Sample Name     : AR1660 1PPM                   Location : Vial 3
Acq. Operator   : CR                               Inj :   1
                                              Inj Volume : 1 µl

Sequence File   : C:\HPCHEM\1\SEQUENCE\120922.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
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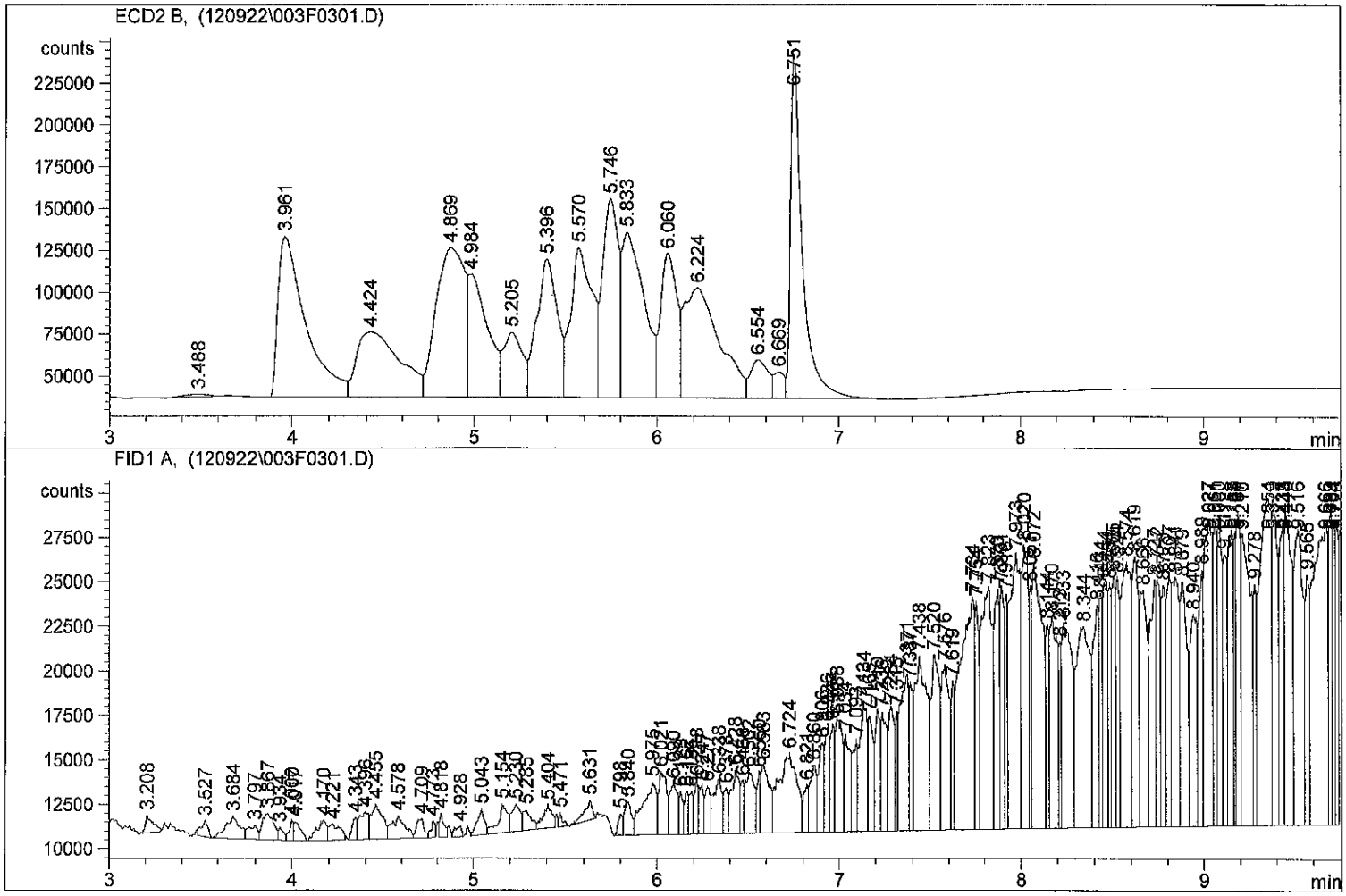
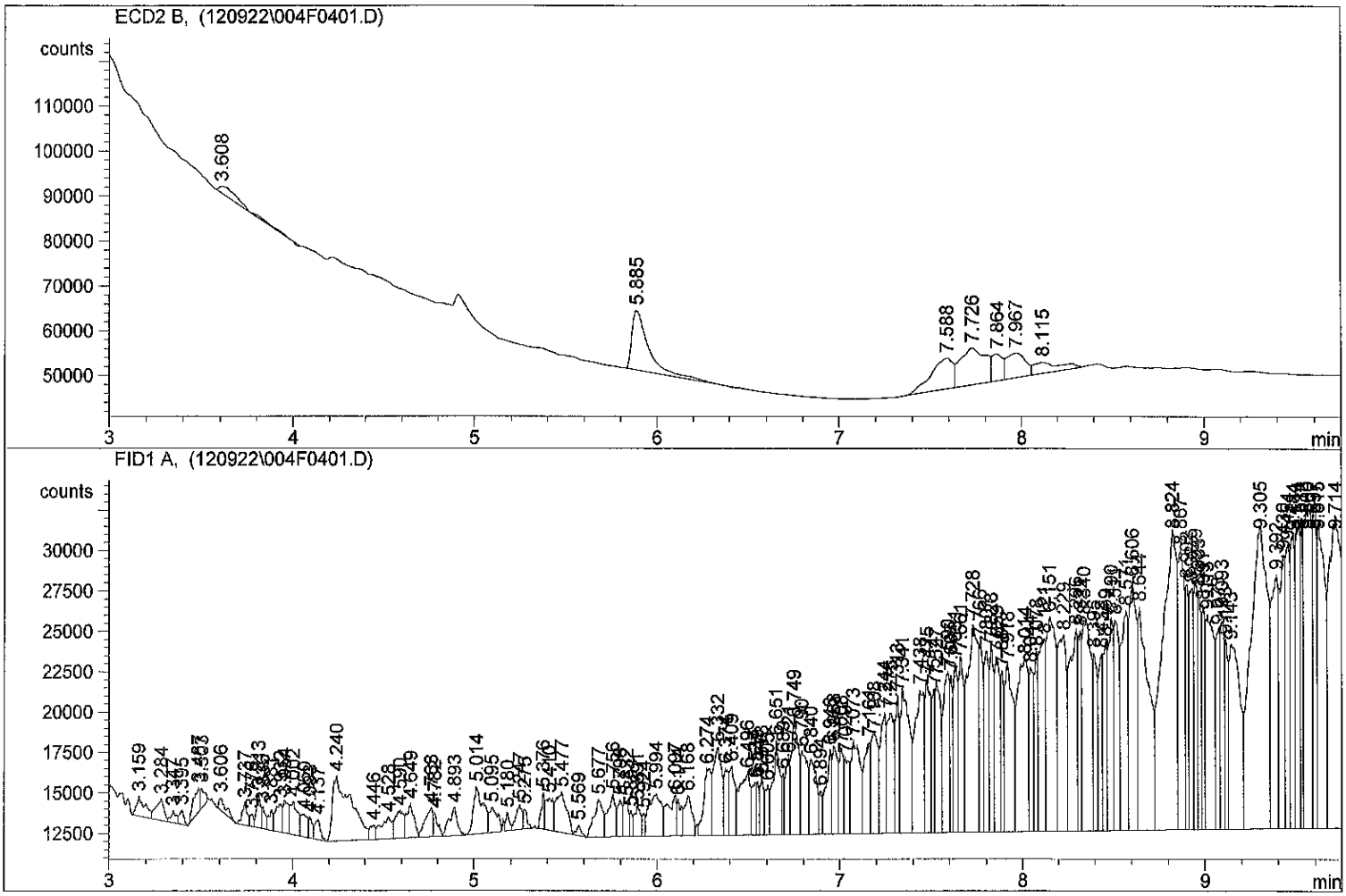


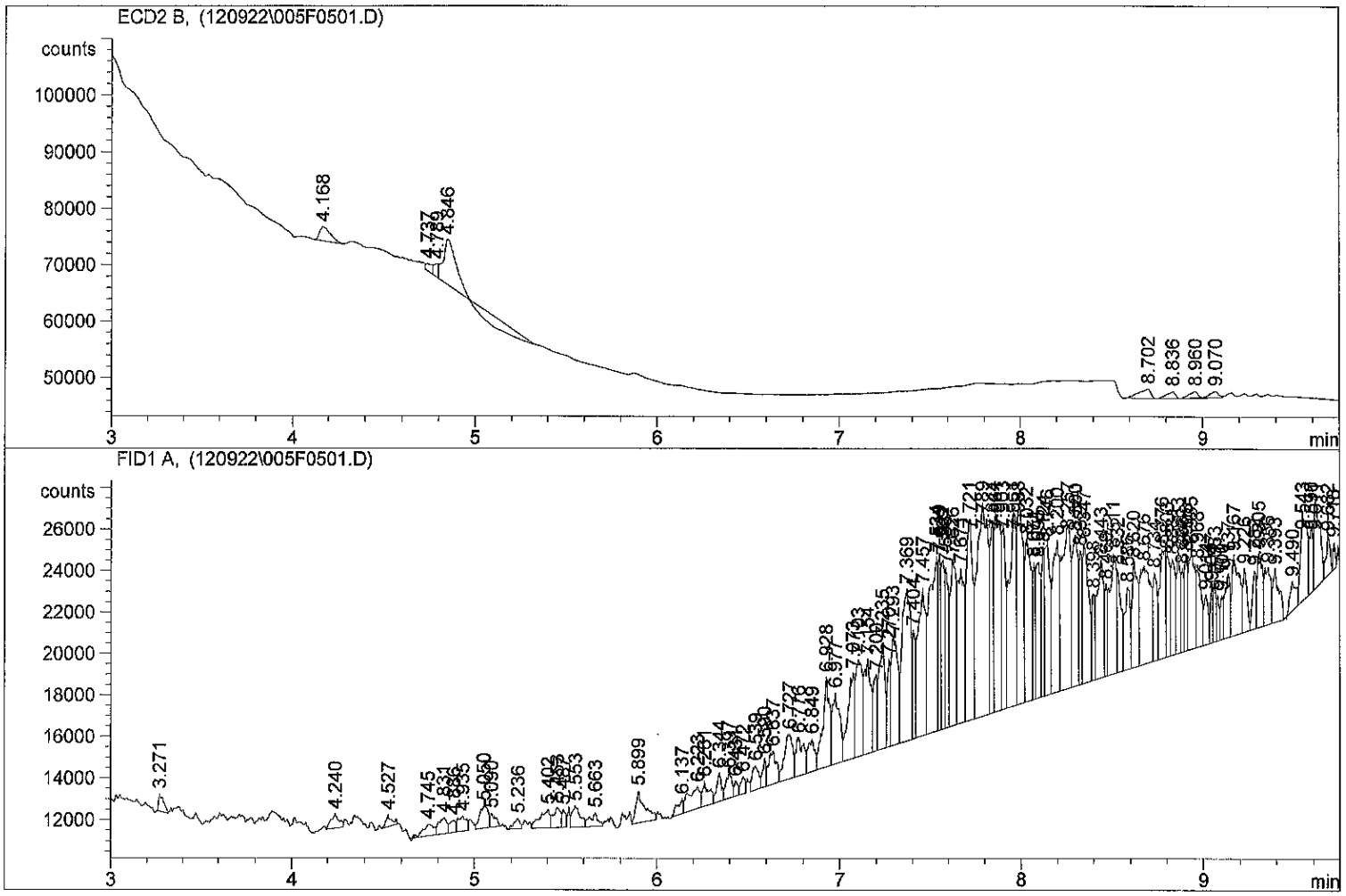
*** End of Report ***

Injection Date	: 12/9/2022 5:52:24 PM	Seq. Line	: 4
Sample Name	: 22L0137 61	Location	: Vial 4
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



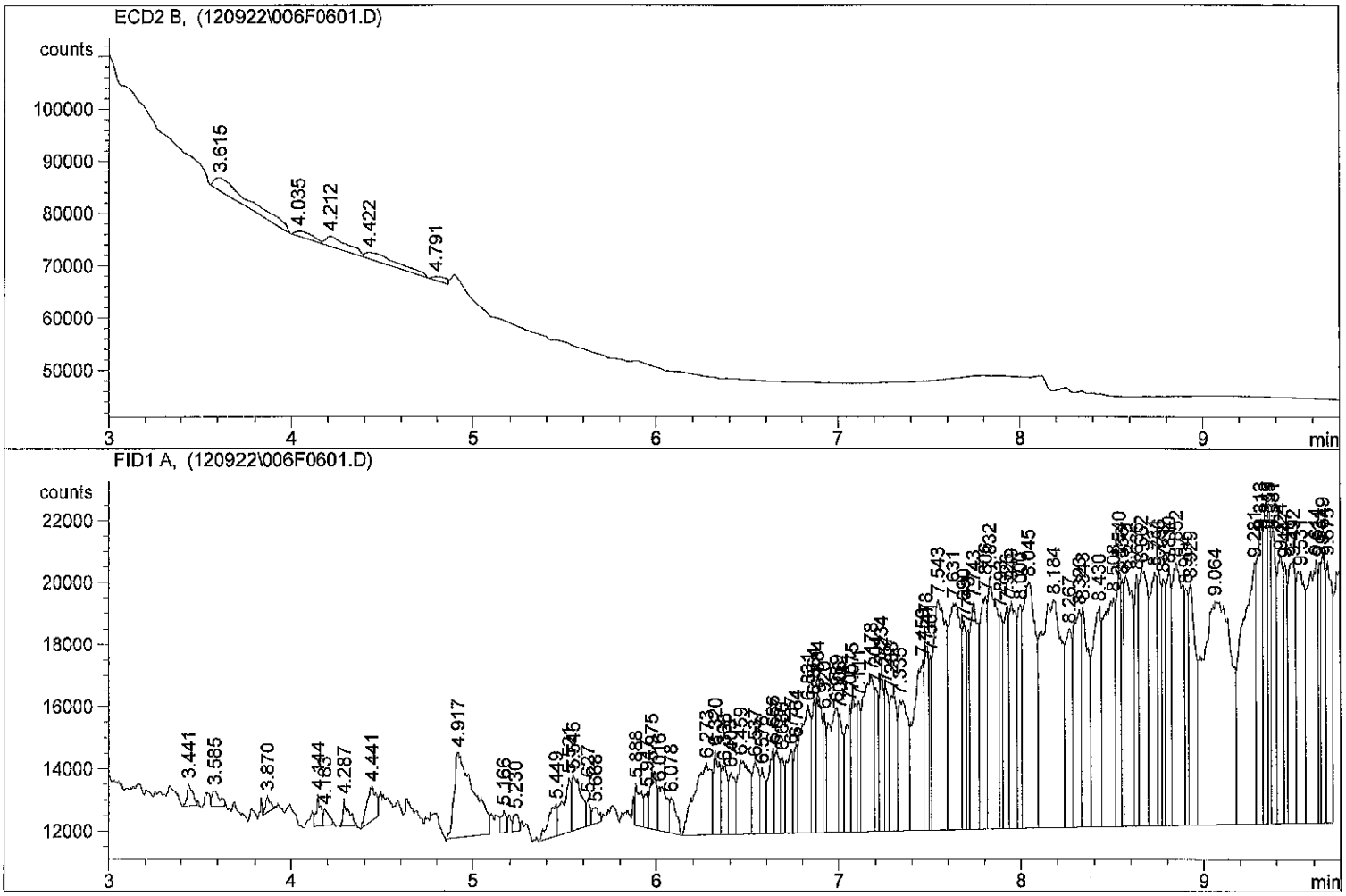
*** End of Report ***

Injection Date	: 12/9/2022 6:05:58 PM	Seq. Line	: 5
Sample Name	: 22L0137 62	Location	: Vial 5
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



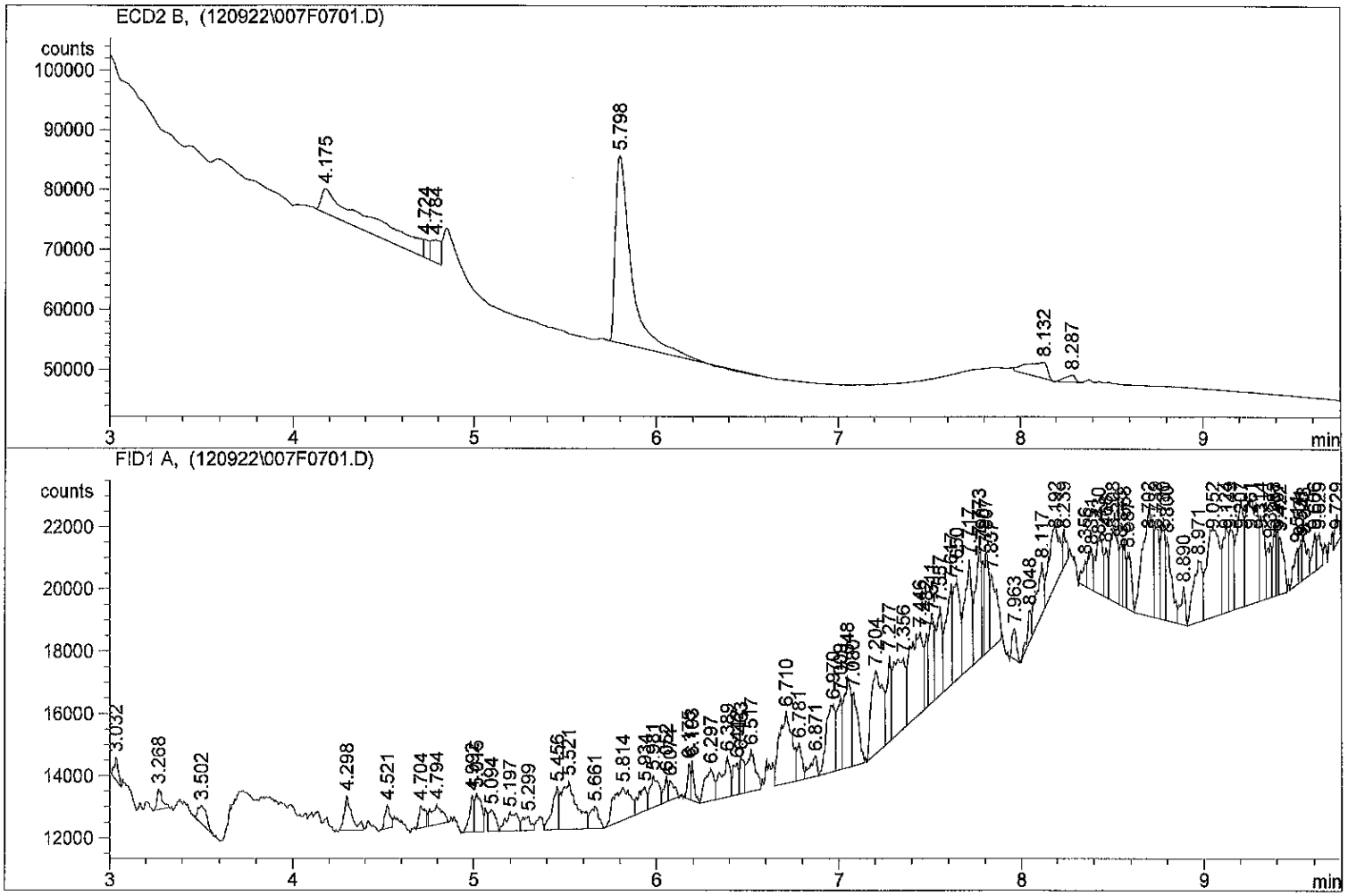
*** End of Report ***

Injection Date	: 12/9/2022 6:20:30 PM	Seq. Line	: 6
Sample Name	: 22L0137 63	Location	: Vial 6
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



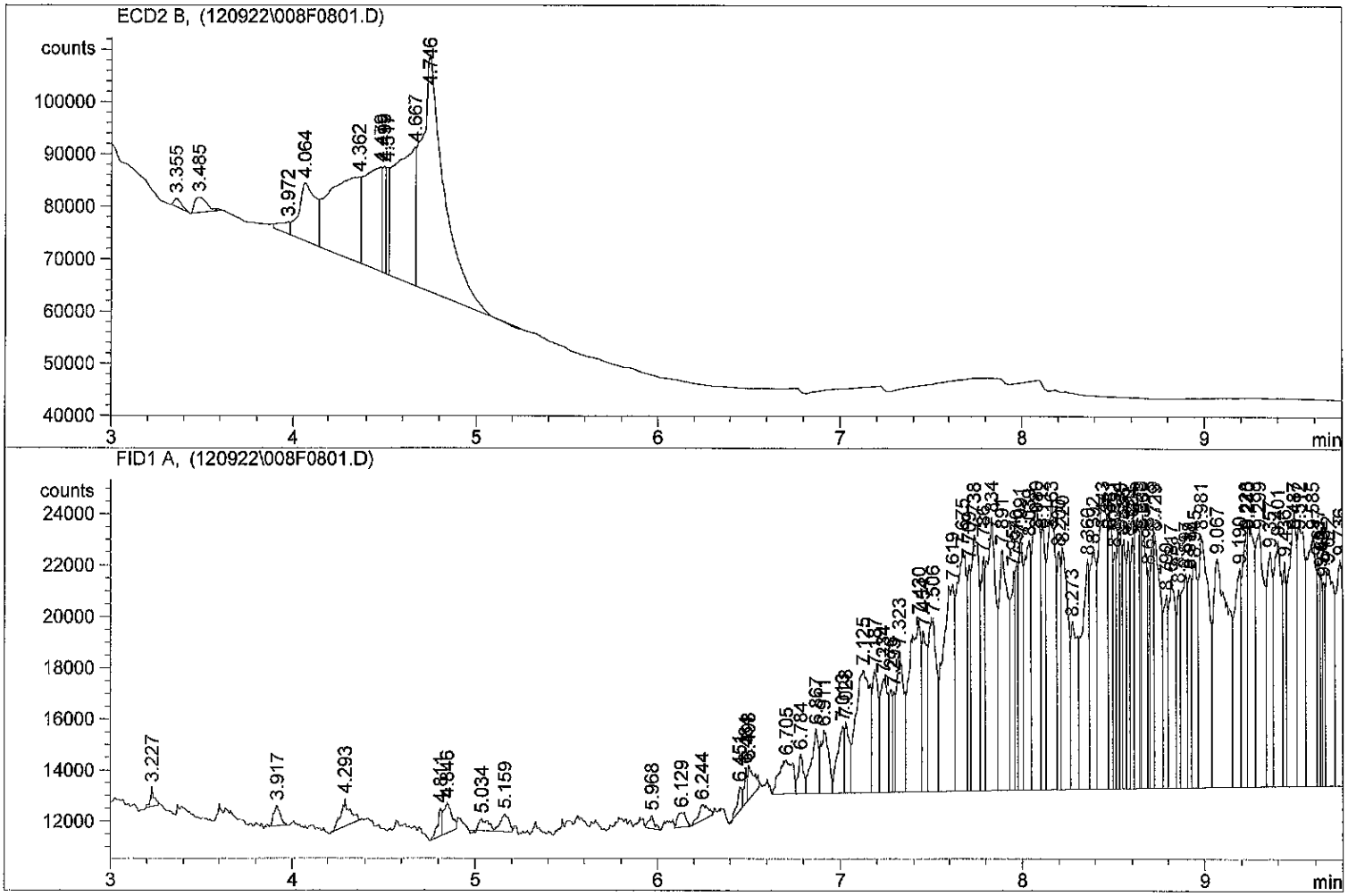
*** End of Report ***

Injection Date	: 12/9/2022 6:34:00 PM	Seq. Line :	7
Sample Name	: 22L0137 64	Location :	Vial 7
Acq. Operator	: CR	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



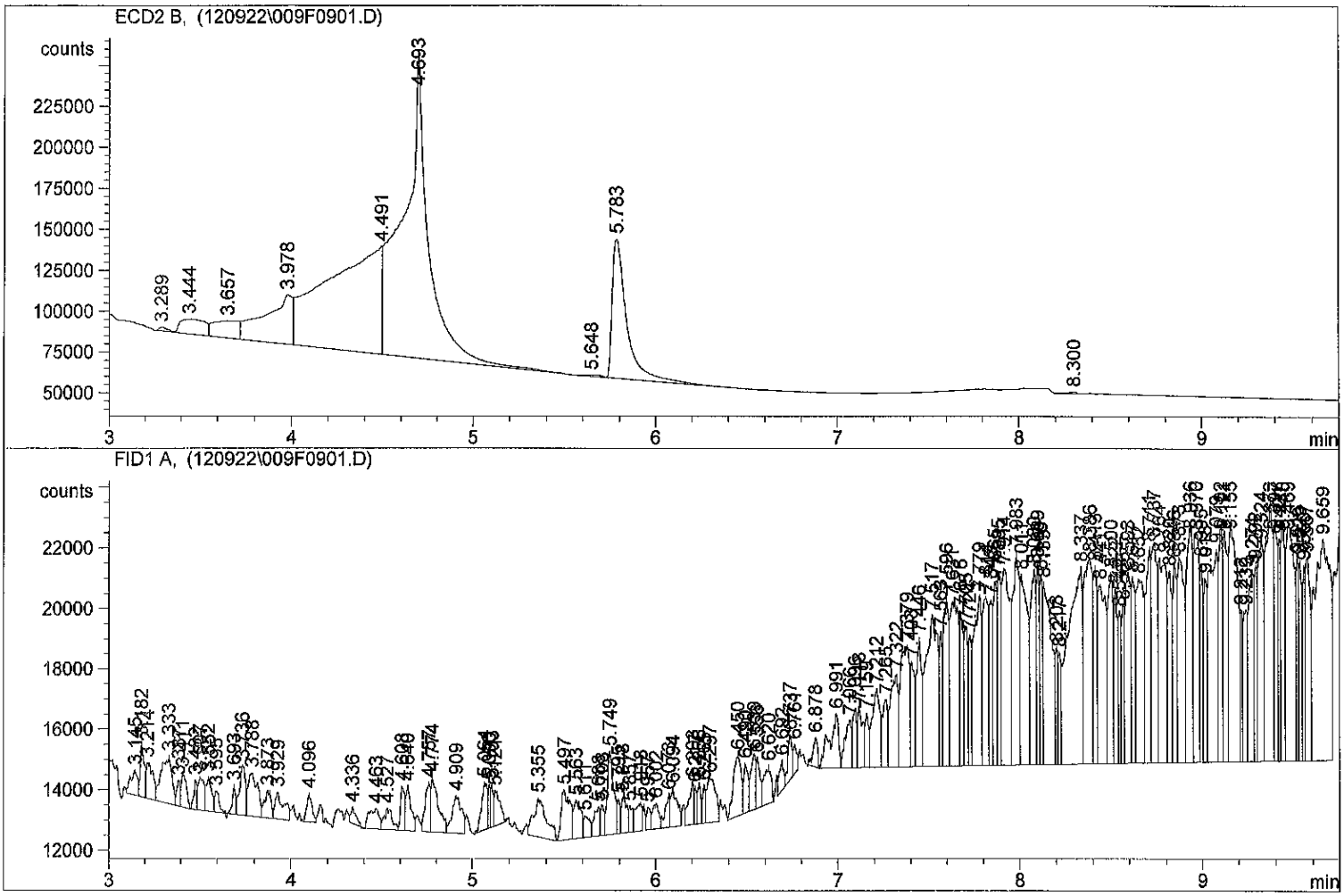
*** End of Report ***

Injection Date	: 12/9/2022 6:47:36 PM	Seq. Line	: 8
Sample Name	: 22L0137 65	Location	: Vial 8
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



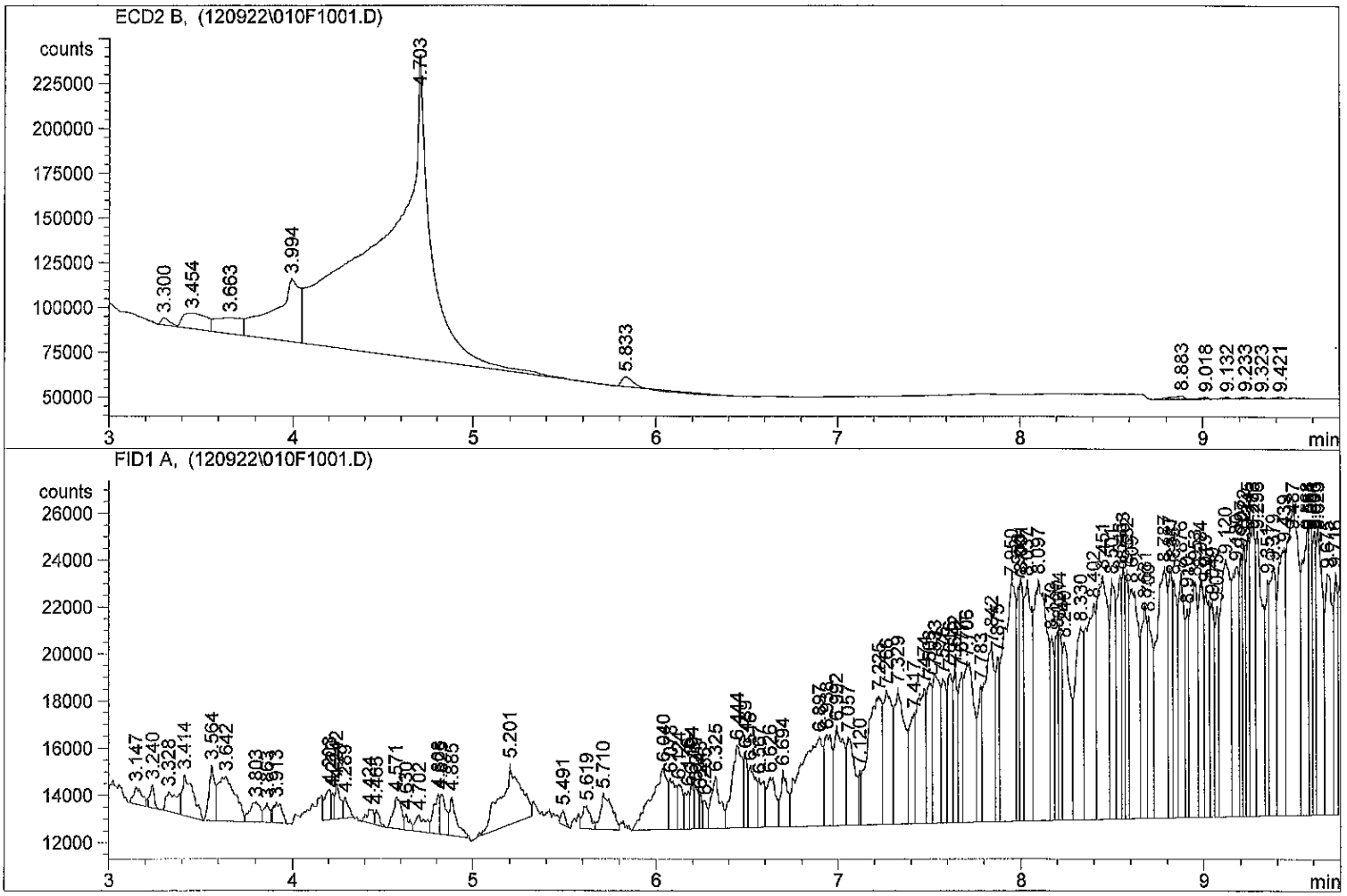
*** End of Report ***

Injection Date	: 12/9/2022 7:01:29 PM	Seq. Line :	9
Sample Name	: 22L0137 66	Location :	Vial 9
Acq. Operator	: CR	Inj :	1
		Inj Volume :	1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

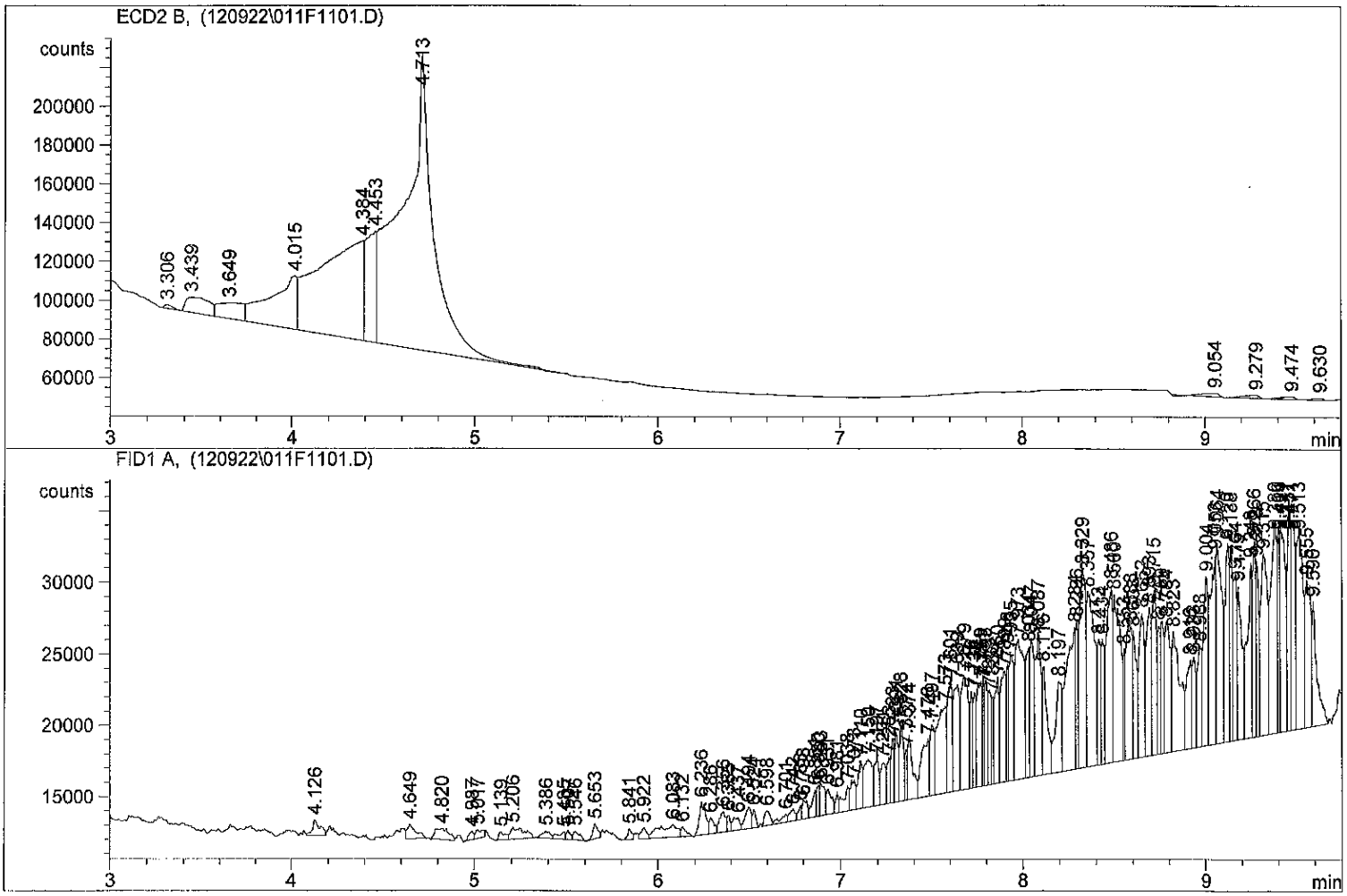
Injection Date	: 12/9/2022 7:15:03 PM	Seq. Line	: 10
Sample Name	: 22L0137 67	Location	: Vial 10
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

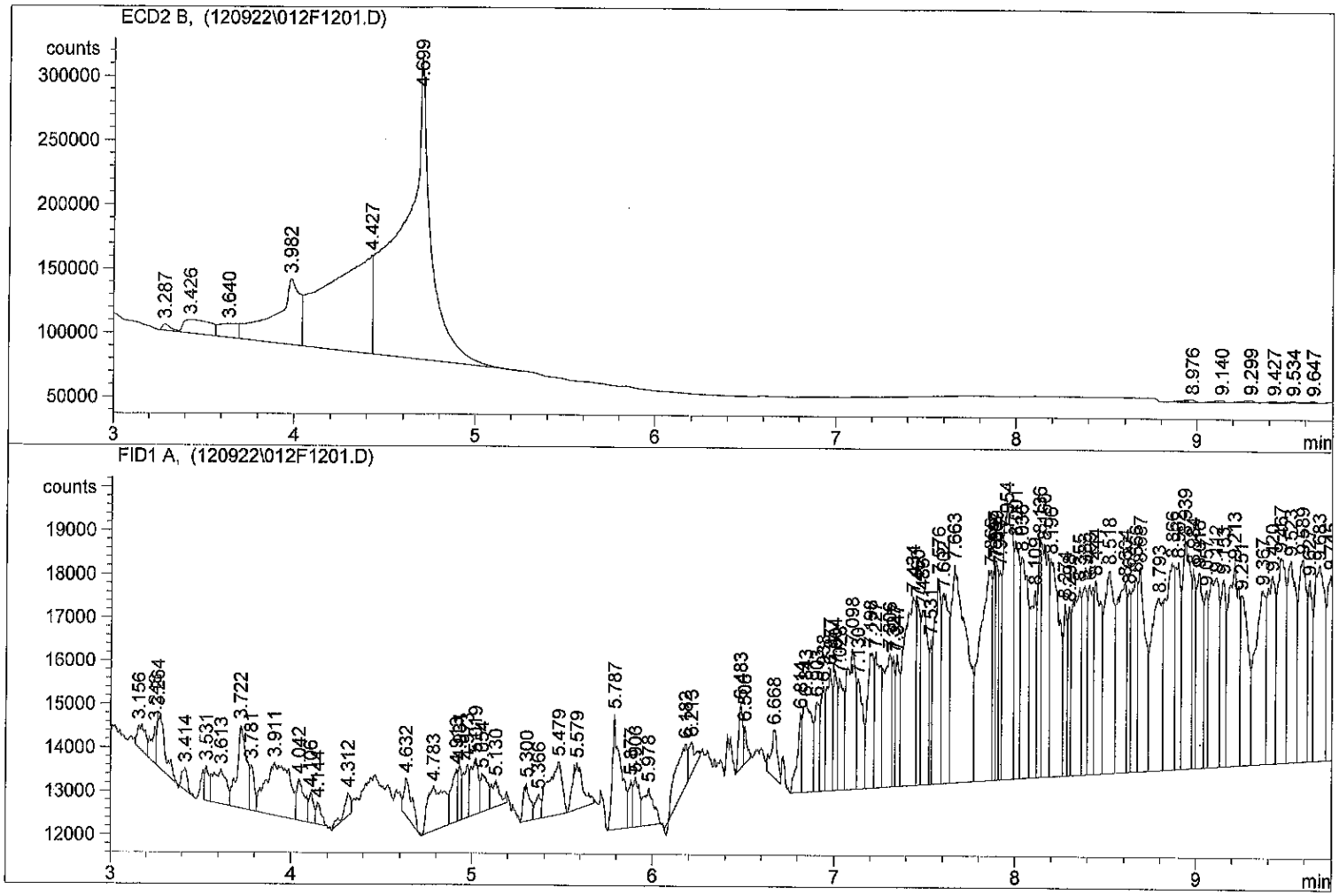
Data File C:\HPCHEM\1\DATA\120922\011F1101.D Sample Name: 22L0137 68

Injection Date	: 12/9/2022 7:28:52 PM	Seq. Line	: 11
Sample Name	: 22L0137 68	Location	: Vial 11
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Injection Date	: 12/9/2022 7:42:25 PM	Seq. Line	: 12
Sample Name	: 22L0137 69	Location	: Vial 12
Acq. Operator	: CR	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\120922.S		
Method	: C:\HPCHEM\1\METHODS\SCREEN.M		
Last changed	: 7/9/2021 3:37:33 AM by TW		
SCREEN METHOD			



*** End of Report ***

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0205	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC785F	22L0137-23	12192259ECD7.D	12/17/2022	
Reference	BKL0226-SRM1	12192256ECD7.D	12/17/2022	
Matrix Spike Dup	BKL0226-MSD1	12192255ECD7.D	12/17/2022	
Matrix Spike	BKL0226-MS1	12192254ECD7.D	12/17/2022	
LCS Dup	BKL0226-BSD1	12192253ECD7.D	12/17/2022	
LCS	BKL0226-BS1	12192252ECD7.D	12/17/2022	
LDW22-SC776A	22L0137-33	12202213ECD7.D	12/17/2022	
Blank	BKL0226-BLK1	12192251ECD7.D	12/17/2022	
LDW22-SC785M	22L0137-30	12202210ECD7.D	12/17/2022	
LDW22-SC785K	22L0137-28	12202208ECD7.D	12/17/2022	
LDW22-SC785J	22L0137-27	12202207ECD7.D	12/17/2022	
LDW22-SC785L	22L0137-29	12202209ECD7.D	12/17/2022	
LDW22-SC785H	22L0137-25	12202205ECD7.D	12/17/2022	
LDW22-SC785N	22L0137-31	12202211ECD7.D	12/17/2022	
LDW22-SC785E	22L0137-22	12192258ECD7.D	12/17/2022	
LDW22-SC785D	22L0137-21	12192257ECD7.D	12/17/2022	
LDW22-SC776B	22L0137-34	12222211ECD7.D	12/17/2022	
LDW22-SC785A-FD	22L0137-32	12202212ECD7.D	12/17/2022	
LDW22-SC776C	22L0137-35	12202217ECD7.D	12/17/2022	
LDW22-SC776D	22L0137-36	12202218ECD7.D	12/17/2022	
LDW22-SC776E	22L0137-37	12202219ECD7.D	12/17/2022	
LDW22-SC776E-FD	22L0137-38	12202220ECD7.D	12/17/2022	
LDW22-SC776F	22L0137-39	12202221ECD7.D	12/17/2022	
LDW22-SC785G	22L0137-24	12202204ECD7.D	12/17/2022	
LDW22-SC776G	22L0137-40	12202222ECD7.D	12/17/2022	
LDW22-SC785I	22L0137-26	12202206ECD7.D	12/17/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0205

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/17/2022 2:53:46PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-21	B	LDW22-SC785D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-22	B	LDW22-SC785E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-23	B	LDW22-SC785F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-24	B	LDW22-SC785G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-25	B	LDW22-SC785H	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-26	B	LDW22-SC785I	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-27	B	LDW22-SC785J	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-28	B	LDW22-SC785K	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-29	B	LDW22-SC785L	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-30	B	LDW22-SC785M	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-31	B	LDW22-SC785N	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-32	B	LDW22-SC785A-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-33	B	LDW22-SC776A	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-34	B	LDW22-SC776B	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-35	B	LDW22-SC776C	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-36	B	LDW22-SC776D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-37	B	LDW22-SC776E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-38	B	LDW22-SC776E-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-39	B	LDW22-SC776F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-40	B	LDW22-SC776G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
BKL0226-BLK1	-	Blank	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-BS1	-	LCS	-	2.5	2.5	-	12/17/2022	CTO	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0205

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/17/2022 2:53:46PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0226-BSD1	-	LCS Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MS1	-	Matrix Spike	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-SRM1	-	Reference	-	2.5	2.5	-	12/17/2022	CTO	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0206	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776B	22L0137-34	12222211ECD7.D	12/17/2022	
LDW22-SC785E	22L0137-22	12192258ECD7.D	12/17/2022	
LDW22-SC785F	22L0137-23	12192259ECD7.D	12/17/2022	
LDW22-SC785H	22L0137-25	12202205ECD7.D	12/17/2022	
LDW22-SC785M	22L0137-30	12202210ECD7.D	12/17/2022	
LDW22-SC785L	22L0137-29	12202209ECD7.D	12/17/2022	
LDW22-SC785K	22L0137-28	12202208ECD7.D	12/17/2022	
LDW22-SC785J	22L0137-27	12202207ECD7.D	12/17/2022	
Blank	BKL0226-BLK1	12192251ECD7.D	12/17/2022	
LDW22-SC776F	22L0137-39	12202221ECD7.D	12/17/2022	
LDW22-SC785G	22L0137-24	12202204ECD7.D	12/17/2022	
LDW22-SC785N	22L0137-31	12202211ECD7.D	12/17/2022	
LDW22-SC776A	22L0137-33	12202213ECD7.D	12/17/2022	
LCS Dup	BKL0226-BSD1	12192253ECD7.D	12/17/2022	
LDW22-SC776C	22L0137-35	12202217ECD7.D	12/17/2022	
LDW22-SC776D	22L0137-36	12202218ECD7.D	12/17/2022	
LDW22-SC776E	22L0137-37	12202219ECD7.D	12/17/2022	
LDW22-SC776E-FD	22L0137-38	12202220ECD7.D	12/17/2022	
LDW22-SC785A-FD	22L0137-32	12202212ECD7.D	12/17/2022	
LDW22-SC776G	22L0137-40	12202222ECD7.D	12/17/2022	
LCS	BKL0226-BS1	12192252ECD7.D	12/17/2022	
LDW22-SC785D	22L0137-21	12192257ECD7.D	12/17/2022	
Reference	BKL0226-SRM1	12192256ECD7.D	12/17/2022	
Matrix Spike Dup	BKL0226-MSD1	12192255ECD7.D	12/17/2022	
Matrix Spike	BKL0226-MS1	12192254ECD7.D	12/17/2022	
LDW22-SC785I	22L0137-26	12202206ECD7.D	12/17/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0206

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/17/2022 2:54:14PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-21	B	LDW22-SC785D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-22	B	LDW22-SC785E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-23	B	LDW22-SC785F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-24	B	LDW22-SC785G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-25	B	LDW22-SC785H	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-26	B	LDW22-SC785I	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-27	B	LDW22-SC785J	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-28	B	LDW22-SC785K	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-29	B	LDW22-SC785L	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-30	B	LDW22-SC785M	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-31	B	LDW22-SC785N	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-32	B	LDW22-SC785A-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-33	B	LDW22-SC776A	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-34	B	LDW22-SC776B	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-35	B	LDW22-SC776C	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-36	B	LDW22-SC776D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-37	B	LDW22-SC776E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-38	B	LDW22-SC776E-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-39	B	LDW22-SC776F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-40	B	LDW22-SC776G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
BKL0226-BLK1	-	Blank	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-BS1	-	LCS	-	2.5	2.5	-	12/17/2022	CTO	

CLEANUP BENCH SHEET

CKL0206

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/17/2022 2:54:14PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0226-BSD1	-	LCS Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MS1	-	Matrix Spike	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-SRM1	-	Reference	-	2.5	2.5	-	12/17/2022	CTO	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0207	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776A	22L0137-33	12202213ECD7.D	12/17/2022	
Blank	BKL0226-BLK1	12192251ECD7.D	12/17/2022	
LDW22-SC785G	22L0137-24	12202204ECD7.D	12/17/2022	
LDW22-SC785A-FD	22L0137-32	12202212ECD7.D	12/17/2022	
LDW22-SC785N	22L0137-31	12202211ECD7.D	12/17/2022	
LDW22-SC785M	22L0137-30	12202210ECD7.D	12/17/2022	
LDW22-SC785L	22L0137-29	12202209ECD7.D	12/17/2022	
LDW22-SC785K	22L0137-28	12202208ECD7.D	12/17/2022	
LDW22-SC785I	22L0137-26	12202206ECD7.D	12/17/2022	
LDW22-SC785H	22L0137-25	12202205ECD7.D	12/17/2022	
LDW22-SC785F	22L0137-23	12192259ECD7.D	12/17/2022	
LCS	BKL0226-BS1	12192252ECD7.D	12/17/2022	
LDW22-SC785D	22L0137-21	12192257ECD7.D	12/17/2022	
LDW22-SC785J	22L0137-27	12202207ECD7.D	12/17/2022	
LDW22-SC776G	22L0137-40	12202222ECD7.D	12/17/2022	
LDW22-SC776F	22L0137-39	12202221ECD7.D	12/17/2022	
LDW22-SC776E-FD	22L0137-38	12202220ECD7.D	12/17/2022	
LDW22-SC776E	22L0137-37	12202219ECD7.D	12/17/2022	
LDW22-SC776D	22L0137-36	12202218ECD7.D	12/17/2022	
LDW22-SC776C	22L0137-35	12202217ECD7.D	12/17/2022	
LDW22-SC776B	22L0137-34	12222211ECD7.D	12/17/2022	
LCS Dup	BKL0226-BSD1	12192253ECD7.D	12/17/2022	
Matrix Spike Dup	BKL0226-MSD1	12192255ECD7.D	12/17/2022	
Reference	BKL0226-SRM1	12192256ECD7.D	12/17/2022	
Matrix Spike	BKL0226-MS1	12192254ECD7.D	12/17/2022	
LDW22-SC785E	22L0137-22	12192258ECD7.D	12/17/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0207

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/17/2022 2:54:42PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-21	B	LDW22-SC785D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-22	B	LDW22-SC785E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-23	B	LDW22-SC785F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-24	B	LDW22-SC785G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-25	B	LDW22-SC785H	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-26	B	LDW22-SC785I	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-27	B	LDW22-SC785J	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-28	B	LDW22-SC785K	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-29	B	LDW22-SC785L	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-30	B	LDW22-SC785M	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-31	B	LDW22-SC785N	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-32	B	LDW22-SC785A-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-33	B	LDW22-SC776A	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-34	B	LDW22-SC776B	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-35	B	LDW22-SC776C	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-36	B	LDW22-SC776D	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-37	B	LDW22-SC776E	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-38	B	LDW22-SC776E-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-39	B	LDW22-SC776F	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
22L0137-40	B	LDW22-SC776G	B 01	2.5	2.5	8082A PCB Solid 4	12/17/2022	CTO	
BKL0226-BLK1	-	Blank	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-BS1	-	LCS	-	2.5	2.5	-	12/17/2022	CTO	

CLEANUP BENCH SHEET

CKL0207

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/17/2022 2:54:42PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0226-BSD1	-	LCS Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MS1	-	Matrix Spike	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/17/2022	CTO	
BKL0226-SRM1	-	Reference	-	2.5	2.5	-	12/17/2022	CTO	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0215	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0215

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/19/2022 3:50:24PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-41	B	LDW22-SC776H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-42	B	LDW22-SC776I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-43	B	LDW22-SC776J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-44	B	LDW22-SC776K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-45	B	LDW22-SC776L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-46	B	LDW22-SC776M	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-47	B	LDW22-SC770A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-48	B	LDW22-SC770B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-49	B	LDW22-SC770C	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-50	B	LDW22-SC770D	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-51	B	LDW22-SC770E	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-52	B	LDW22-SC770F	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-53	B	LDW22-SC770G	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-54	B	LDW22-SC770H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-55	B	LDW22-SC770I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-56	B	LDW22-SC770J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-57	B	LDW22-SC770K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-58	B	LDW22-SC770L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-59	B	LDW22-SC769A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-60	B	LDW22-SC769B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
BKL0227-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	ZH	

CLEANUP BENCH SHEET

CKL0215

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/19/2022 3:50:24PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0227-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	ZH	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0216	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	

Analytical Resources, LLC
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CLEANUP BENCH SHEET

CKL0216

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/19/2022 3:50:54PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-41	B	LDW22-SC776H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-42	B	LDW22-SC776I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-43	B	LDW22-SC776J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-44	B	LDW22-SC776K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-45	B	LDW22-SC776L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-46	B	LDW22-SC776M	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-47	B	LDW22-SC770A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-48	B	LDW22-SC770B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-49	B	LDW22-SC770C	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-50	B	LDW22-SC770D	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-51	B	LDW22-SC770E	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-52	B	LDW22-SC770F	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-53	B	LDW22-SC770G	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-54	B	LDW22-SC770H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-55	B	LDW22-SC770I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-56	B	LDW22-SC770J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-57	B	LDW22-SC770K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-58	B	LDW22-SC770L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-59	B	LDW22-SC769A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-60	B	LDW22-SC769B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
BKL0227-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	ZH	

CLEANUP BENCH SHEET

CKL0216

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/19/2022 3:50:54PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0227-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	ZH	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0217	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0217

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/19/2022 3:51:20PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-41	B	LDW22-SC776H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-42	B	LDW22-SC776I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-43	B	LDW22-SC776J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-44	B	LDW22-SC776K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-45	B	LDW22-SC776L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-46	B	LDW22-SC776M	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-47	B	LDW22-SC770A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-48	B	LDW22-SC770B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-49	B	LDW22-SC770C	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-50	B	LDW22-SC770D	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-51	B	LDW22-SC770E	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-52	B	LDW22-SC770F	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-53	B	LDW22-SC770G	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-54	B	LDW22-SC770H	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-55	B	LDW22-SC770I	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-56	B	LDW22-SC770J	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-57	B	LDW22-SC770K	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-58	B	LDW22-SC770L	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-59	B	LDW22-SC769A	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
22L0137-60	B	LDW22-SC769B	B	2.5	2.5	8082A PCB Solid 4	12/19/2022	ZH	
BKL0227-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	ZH	

CLEANUP BENCH SHEET

CKL0217

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/19/2022 3:51:20PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0227-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	ZH	
BKL0227-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	ZH	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0218	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Matrix Spike Dup	BKL0282-MSD1	12202249ECD7.D	12/19/2022	
Matrix Spike	BKL0282-MS1	12202248ECD7.D	12/19/2022	
LCS Dup	BKL0282-BSD1	12202246ECD7.D	12/19/2022	
LCS	BKL0282-BS1	12202245ECD7.D	12/19/2022	
Blank	BKL0282-BLK1	12202244ECD7.D	12/19/2022	
Reference	BKL0282-SRM1	12202247ECD7.D	12/19/2022	
LDW22-SC769C	22L0137-61	12202250ECD7.D	12/19/2022	
LDW22-SC769D	22L0137-62	12202251ECD7.D	12/19/2022	
LDW22-SC769E	22L0137-63	12202252ECD7.D	12/19/2022	
LDW22-SC769F	22L0137-64	12202253ECD7.D	12/19/2022	
LDW22-SC769G	22L0137-65	12202254ECD7.D	12/19/2022	
LDW22-SC769H	22L0137-66	12202255ECD7.D	12/19/2022	
LDW22-SC769I	22L0137-67	12202256ECD7.D	12/19/2022	
LDW22-SC769K	22L0137-69	12202258ECD7.D	12/19/2022	
LDW22-SC769J	22L0137-68	12202257ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0218

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/19/2022 5:25:02PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-61	B	LDW22-SC769C	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-62	B	LDW22-SC769D	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-63	B	LDW22-SC769E	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-64	B	LDW22-SC769F	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-65	B	LDW22-SC769G	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-66	B	LDW22-SC769H	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-67	B	LDW22-SC769I	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-68	B	LDW22-SC769J	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-69	B	LDW22-SC769K	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
BKL0282-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	LMJ	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0220	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LCS	BKL0282-BS1	12202245ECD7.D	12/19/2022	
LDW22-SC769D	22L0137-62	12202251ECD7.D	12/19/2022	
LDW22-SC769E	22L0137-63	12202252ECD7.D	12/19/2022	
LDW22-SC769F	22L0137-64	12202253ECD7.D	12/19/2022	
LDW22-SC769C	22L0137-61	12202250ECD7.D	12/19/2022	
LDW22-SC769G	22L0137-65	12202254ECD7.D	12/19/2022	
LDW22-SC769H	22L0137-66	12202255ECD7.D	12/19/2022	
LDW22-SC769I	22L0137-67	12202256ECD7.D	12/19/2022	
LDW22-SC769J	22L0137-68	12202257ECD7.D	12/19/2022	
LCS Dup	BKL0282-BSD1	12202246ECD7.D	12/19/2022	
Blank	BKL0282-BLK1	12202244ECD7.D	12/19/2022	
Reference	BKL0282-SRM1	12202247ECD7.D	12/19/2022	
LDW22-SC769K	22L0137-69	12202258ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0282-MSD1	12202249ECD7.D	12/19/2022	
Matrix Spike	BKL0282-MS1	12202248ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0220

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/19/2022 5:25:46PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-61	B	LDW22-SC769C	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-62	B	LDW22-SC769D	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-63	B	LDW22-SC769E	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-64	B	LDW22-SC769F	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-65	B	LDW22-SC769G	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-66	B	LDW22-SC769H	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-67	B	LDW22-SC769I	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-68	B	LDW22-SC769J	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-69	B	LDW22-SC769K	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
BKL0282-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0221	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	BKL0282-BLK1	12202244ECD7.D	12/19/2022	
Reference	BKL0282-SRM1	12202247ECD7.D	12/19/2022	
Matrix Spike	BKL0282-MS1	12202248ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0282-MSD1	12202249ECD7.D	12/19/2022	
LCS	BKL0282-BS1	12202245ECD7.D	12/19/2022	
LDW22-SC769C	22L0137-61	12202250ECD7.D	12/19/2022	
LDW22-SC769D	22L0137-62	12202251ECD7.D	12/19/2022	
LDW22-SC769K	22L0137-69	12202258ECD7.D	12/19/2022	
LDW22-SC769F	22L0137-64	12202253ECD7.D	12/19/2022	
LDW22-SC769G	22L0137-65	12202254ECD7.D	12/19/2022	
LDW22-SC769H	22L0137-66	12202255ECD7.D	12/19/2022	
LDW22-SC769I	22L0137-67	12202256ECD7.D	12/19/2022	
LDW22-SC769J	22L0137-68	12202257ECD7.D	12/19/2022	
LDW22-SC769E	22L0137-63	12202252ECD7.D	12/19/2022	
LCS Dup	BKL0282-BSD1	12202246ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0221

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/19/2022 5:26:22PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-61	B	LDW22-SC769C	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-62	B	LDW22-SC769D	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-63	B	LDW22-SC769E	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-64	B	LDW22-SC769F	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-65	B	LDW22-SC769G	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-66	B	LDW22-SC769H	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-67	B	LDW22-SC769I	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-68	B	LDW22-SC769J	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
22L0137-69	B	LDW22-SC769K	B 01	2.5	2.5	8082A PCB Solid 4	12/19/2022	LMJ	
BKL0282-BLK1	-	Blank	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BS1	-	LCS	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-BSD1	-	LCS Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MS1	-	Matrix Spike	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/19/2022	LMJ	
BKL0282-SRM1	-	Reference	-	2.5	2.5	-	12/19/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0235	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC784J	22L0137-14	12222233ECD7.D	12/20/2022	
LDW22-SC784L	22L0137-16	12222235ECD7.D	12/20/2022	
LDW22-IT815	22L0137-03	12212245ECD7.D	12/20/2022	
LDW22-IT816	22L0137-02	12212244ECD7.D	12/20/2022	
LDW22-IT817	22L0137-01	12212243ECD7.D	12/20/2022	
LDW22-SC784M	22L0137-17	12212261ECD7.D	12/20/2022	
Matrix Spike Dup	BKL0197-MSD1	12212241ECD7.D	12/20/2022	
Blank	BKL0197-BLK1	12212237ECD7.D	12/20/2022	
LCS	BKL0197-BS1	12212238ECD7.D	12/20/2022	
LCS Dup	BKL0197-BSD1	12212239ECD7.D	12/20/2022	
Reference	BKL0197-SRM1	12212242ECD7.D	12/20/2022	
LDW22-SC784B	22L0137-05	12222229ECD7.D	12/20/2022	
LDW22-SC785C	22L0137-20	12212264ECD7.D	12/20/2022	
LDW22-SC785B	22L0137-19	01052390ECD7.D	12/20/2022	
LDW22-SC785A	22L0137-18	12212262ECD7.D	12/20/2022	
LDW22-SC784B-FD	22L0137-06	12222230ECD7.D	12/20/2022	
LDW22-SC784K	22L0137-15	12222234ECD7.D	12/20/2022	
LDW22-SC813	22L0137-04	12212246ECD7.D	12/20/2022	
LDW22-SC784I	22L0137-13	12212257ECD7.D	12/20/2022	
LDW22-SC784H	22L0137-12	12212256ECD7.D	12/20/2022	
LDW22-SC784G	22L0137-11	12212255ECD7.D	12/20/2022	
LDW22-SC784F	22L0137-10	12212252ECD7.D	12/20/2022	
LDW22-SC784E	22L0137-09	12212251ECD7.D	12/20/2022	
LDW22-SC784D	22L0137-08	12222232ECD7.D	12/20/2022	
LDW22-SC784C	22L0137-07	12222231ECD7.D	12/20/2022	
Matrix Spike	BKL0197-MS1	12212240ECD7.D	12/20/2022	

Analytical Resources, LLC
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CLEANUP BENCH SHEET

CKL0235

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/20/2022 4:00:50PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-01	B	LDW22-IT817	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-02	B	LDW22-IT816	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-03	B	LDW22-IT815	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-04	B	LDW22-SC813	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-05	B	LDW22-SC784B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-06	B	LDW22-SC784B-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-07	B	LDW22-SC784C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-08	B	LDW22-SC784D	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-09	B	LDW22-SC784E	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-10	B	LDW22-SC784F	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-11	B	LDW22-SC784G	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-12	B	LDW22-SC784H	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-13	B	LDW22-SC784I	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-14	B	LDW22-SC784J	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-15	B	LDW22-SC784K	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-16	B	LDW22-SC784L	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-17	B	LDW22-SC784M	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-18	B	LDW22-SC785A	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-19	B	LDW22-SC785B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-20	B	LDW22-SC785C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
BKL0197-BLK1	-	Blank	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-BS1	-	LCS	-	2.5	2.5	-	12/20/2022	LMJ	

CLEANUP BENCH SHEET

CKL0235

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/20/2022 4:00:50PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0197-BSD1	-	LCS Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MS1	-	Matrix Spike	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-SRM1	-	Reference	-	2.5	2.5	-	12/20/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0236	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC784E	22L0137-09	12212251ECD7.D	12/20/2022	
LDW22-SC785B	22L0137-19	01052390ECD7.D	12/20/2022	
LCS Dup	BKL0197-BSD1	12212239ECD7.D	12/20/2022	
LDW22-IT815	22L0137-03	12212245ECD7.D	12/20/2022	
Matrix Spike	BKL0197-MS1	12212240ECD7.D	12/20/2022	
Matrix Spike Dup	BKL0197-MSD1	12212241ECD7.D	12/20/2022	
Reference	BKL0197-SRM1	12212242ECD7.D	12/20/2022	
Blank	BKL0197-BLK1	12212237ECD7.D	12/20/2022	
LDW22-SC784H	22L0137-12	12212256ECD7.D	12/20/2022	
LDW22-SC785C	22L0137-20	12212264ECD7.D	12/20/2022	
LDW22-SC785A	22L0137-18	12212262ECD7.D	12/20/2022	
LDW22-SC784J	22L0137-14	12222233ECD7.D	12/20/2022	
LDW22-SC784L	22L0137-16	12222235ECD7.D	12/20/2022	
LDW22-IT817	22L0137-01	12212243ECD7.D	12/20/2022	
LDW22-SC784D	22L0137-08	12222232ECD7.D	12/20/2022	
LDW22-SC784B-FD	22L0137-06	12222230ECD7.D	12/20/2022	
LDW22-SC813	22L0137-04	12212246ECD7.D	12/20/2022	
LDW22-SC784B	22L0137-05	12222229ECD7.D	12/20/2022	
LDW22-SC784K	22L0137-15	12222234ECD7.D	12/20/2022	
LDW22-SC784C	22L0137-07	12222231ECD7.D	12/20/2022	
LDW22-IT816	22L0137-02	12212244ECD7.D	12/20/2022	
LDW22-SC784F	22L0137-10	12212252ECD7.D	12/20/2022	
LDW22-SC784G	22L0137-11	12212255ECD7.D	12/20/2022	
LDW22-SC784I	22L0137-13	12212257ECD7.D	12/20/2022	
LCS	BKL0197-BS1	12212238ECD7.D	12/20/2022	
LDW22-SC784M	22L0137-17	12212261ECD7.D	12/20/2022	

Analytical Resources, LLC
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CLEANUP BENCH SHEET

CKL0236

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/20/2022 4:01:42PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-01	B	LDW22-IT817	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-02	B	LDW22-IT816	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-03	B	LDW22-IT815	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-04	B	LDW22-SC813	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-05	B	LDW22-SC784B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-06	B	LDW22-SC784B-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-07	B	LDW22-SC784C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-08	B	LDW22-SC784D	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-09	B	LDW22-SC784E	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-10	B	LDW22-SC784F	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-11	B	LDW22-SC784G	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-12	B	LDW22-SC784H	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-13	B	LDW22-SC784I	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-14	B	LDW22-SC784J	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-15	B	LDW22-SC784K	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-16	B	LDW22-SC784L	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-17	B	LDW22-SC784M	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-18	B	LDW22-SC785A	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-19	B	LDW22-SC785B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-20	B	LDW22-SC785C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
BKL0197-BLK1	-	Blank	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-BS1	-	LCS	-	2.5	2.5	-	12/20/2022	LMJ	

CLEANUP BENCH SHEET

CKL0236

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/20/2022 4:01:42PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0197-BSD1	-	LCS Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MS1	-	Matrix Spike	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-SRM1	-	Reference	-	2.5	2.5	-	12/20/2022	LMJ	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0237	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT817	22L0137-01	12212243ECD7.D	12/20/2022	
LDW22-SC813	22L0137-04	12212246ECD7.D	12/20/2022	
LDW22-SC785C	22L0137-20	12212264ECD7.D	12/20/2022	
Blank	BKL0197-BLK1	12212237ECD7.D	12/20/2022	
LCS Dup	BKL0197-BSD1	12212239ECD7.D	12/20/2022	
Matrix Spike Dup	BKL0197-MSD1	12212241ECD7.D	12/20/2022	
Reference	BKL0197-SRM1	12212242ECD7.D	12/20/2022	
LDW22-SC785B	22L0137-19	01052390ECD7.D	12/20/2022	
LDW22-SC784G	22L0137-11	12212255ECD7.D	12/20/2022	
LCS	BKL0197-BS1	12212238ECD7.D	12/20/2022	
LDW22-SC784C	22L0137-07	12222231ECD7.D	12/20/2022	
Matrix Spike	BKL0197-MS1	12212240ECD7.D	12/20/2022	
LDW22-IT816	22L0137-02	12212244ECD7.D	12/20/2022	
LDW22-SC784B	22L0137-05	12222229ECD7.D	12/20/2022	
LDW22-SC784I	22L0137-13	12212257ECD7.D	12/20/2022	
LDW22-SC784B-FD	22L0137-06	12222230ECD7.D	12/20/2022	
LDW22-SC785A	22L0137-18	12212262ECD7.D	12/20/2022	
LDW22-SC784D	22L0137-08	12222232ECD7.D	12/20/2022	
LDW22-SC784E	22L0137-09	12212251ECD7.D	12/20/2022	
LDW22-SC784F	22L0137-10	12212252ECD7.D	12/20/2022	
LDW22-SC784H	22L0137-12	12212256ECD7.D	12/20/2022	
LDW22-SC784J	22L0137-14	12222233ECD7.D	12/20/2022	
LDW22-SC784K	22L0137-15	12222234ECD7.D	12/20/2022	
LDW22-SC784L	22L0137-16	12222235ECD7.D	12/20/2022	
LDW22-SC784M	22L0137-17	12212261ECD7.D	12/20/2022	
LDW22-IT815	22L0137-03	12212245ECD7.D	12/20/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CKL0237

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/20/2022 4:02:23PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0137-01	B	LDW22-IT817	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-02	B	LDW22-IT816	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-03	B	LDW22-IT815	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-04	B	LDW22-SC813	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-05	B	LDW22-SC784B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-06	B	LDW22-SC784B-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-07	B	LDW22-SC784C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-08	B	LDW22-SC784D	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-09	B	LDW22-SC784E	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-10	B	LDW22-SC784F	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-11	B	LDW22-SC784G	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-12	B	LDW22-SC784H	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-13	B	LDW22-SC784I	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-14	B	LDW22-SC784J	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-15	B	LDW22-SC784K	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-16	B	LDW22-SC784L	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-17	B	LDW22-SC784M	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-18	B	LDW22-SC785A	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-19	B	LDW22-SC785B	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
22L0137-20	B	LDW22-SC785C	B 01	2.5	2.5	8082A PCB Solid 4	12/20/2022	LMJ	
BKL0197-BLK1	-	Blank	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-BS1	-	LCS	-	2.5	2.5	-	12/20/2022	LMJ	

CLEANUP BENCH SHEET

CKL0237

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/20/2022 4:02:23PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0197-BSD1	-	LCS Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MS1	-	Matrix Spike	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/20/2022	LMJ	
BKL0197-SRM1	-	Reference	-	2.5	2.5	-	12/20/2022	LMJ	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0125	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0126	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0127	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC769B	22L0137-60	12212219ECD7.D	12/19/2022	
Matrix Spike Dup	BKL0227-MSD1	12202268ECD7.D	12/19/2022	
Matrix Spike	BKL0227-MS1	12202267ECD7.D	12/19/2022	
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12/19/2022	
LCS	BKL0227-BS1	12202262ECD7.D	12/19/2022	
Blank	BKL0227-BLK1	12202261ECD7.D	12/19/2022	
Reference	BKL0227-SRM1	12202264ECD7.D	12/19/2022	
LDW22-SC770E	22L0137-51	12212208ECD7.D	12/19/2022	
LDW22-SC770F	22L0137-52	12212209ECD7.D	12/19/2022	
LDW22-SC770G	22L0137-53	12212210ECD7.D	12/19/2022	
LDW22-SC770H	22L0137-54		12/19/2022	
LDW22-SC770L	22L0137-58	12212215ECD7.D	12/19/2022	
LDW22-SC770K	22L0137-57	12212214ECD7.D	12/19/2022	
LDW22-SC770J	22L0137-56	12212213ECD7.D	12/19/2022	
LDW22-SC776H	22L0137-41	12202265ECD7.D	12/19/2022	
LDW22-SC776I	22L0137-42	12202266ECD7.D	12/19/2022	
LDW22-SC776J	22L0137-43	12202269ECD7.D	12/19/2022	
LDW22-SC776K	22L0137-44	12202270ECD7.D	12/19/2022	
LDW22-SC776L	22L0137-45	12202271ECD7.D	12/19/2022	
LDW22-SC776M	22L0137-46	12202272ECD7.D	12/19/2022	
LDW22-SC770C	22L0137-49	12212206ECD7.D	12/19/2022	
LDW22-SC770B	22L0137-48	12202274ECD7.D	12/19/2022	
LDW22-SC770D	22L0137-50	12212207ECD7.D	12/19/2022	
LDW22-SC770A	22L0137-47	12202273ECD7.D	12/19/2022	
LDW22-SC769A	22L0137-59	12212218ECD7.D	12/19/2022	
LDW22-SC770I	22L0137-55	12212212ECD7.D	12/19/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0197-BLK1	File ID:	12212237ECD7.D
Sampled:	N/A	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 04:29
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0197	Sequence:	SKL0319	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	7.95	99.3	40 - 126	
Tetrachlorometaxylene	8.0000	6.34	79.2	44 - 120	
Decachlorobiphenyl [2C]	8.0000	7.61	95.1	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	6.33	79.2	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212237ECD7.D
Data file 2: /221221.b/221221.b/12212237ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-BLK1
Client ID:
Injection Date: 22-DEC-2022 04:29
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.000	263291	5.710	-0.000	146908	31.7	31.7	0.0	Tetrachloro-m-xylene
13.905	0.001	434393	14.132	0.001	293499	39.7	38.0	4.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	586475	31.0
Hexabromobiphenyl	798898	1192715	49.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	338421	35.9
Hexabromobiphenyl	362541	543300	49.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
		Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks			

Total PCB Area Col1 (5.933 - 13.804) = 37468 Col1 Total PCB = 0.0 ppm*

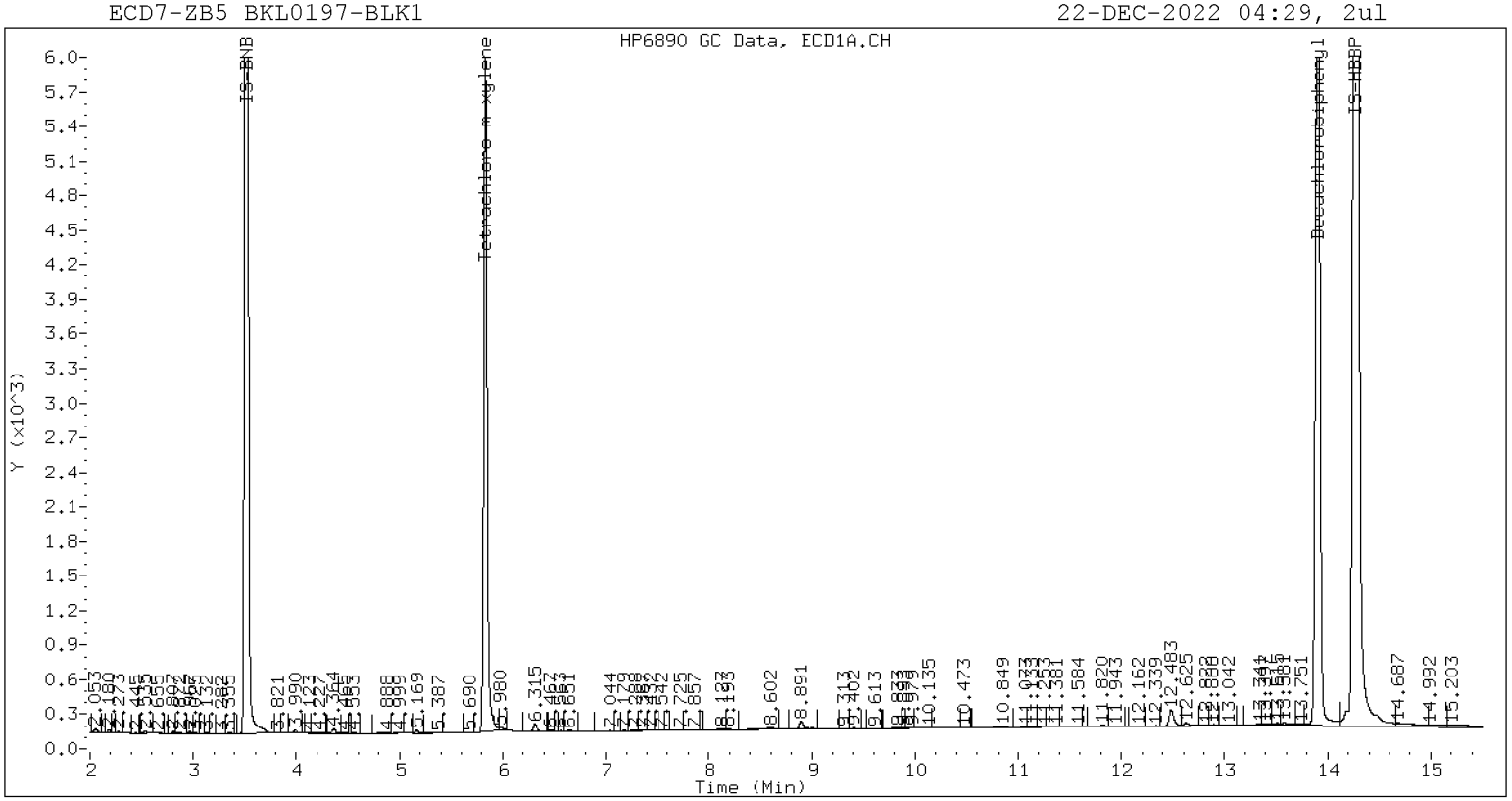
Total PCB Area Col2 (5.810 - 14.032) = 15908 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

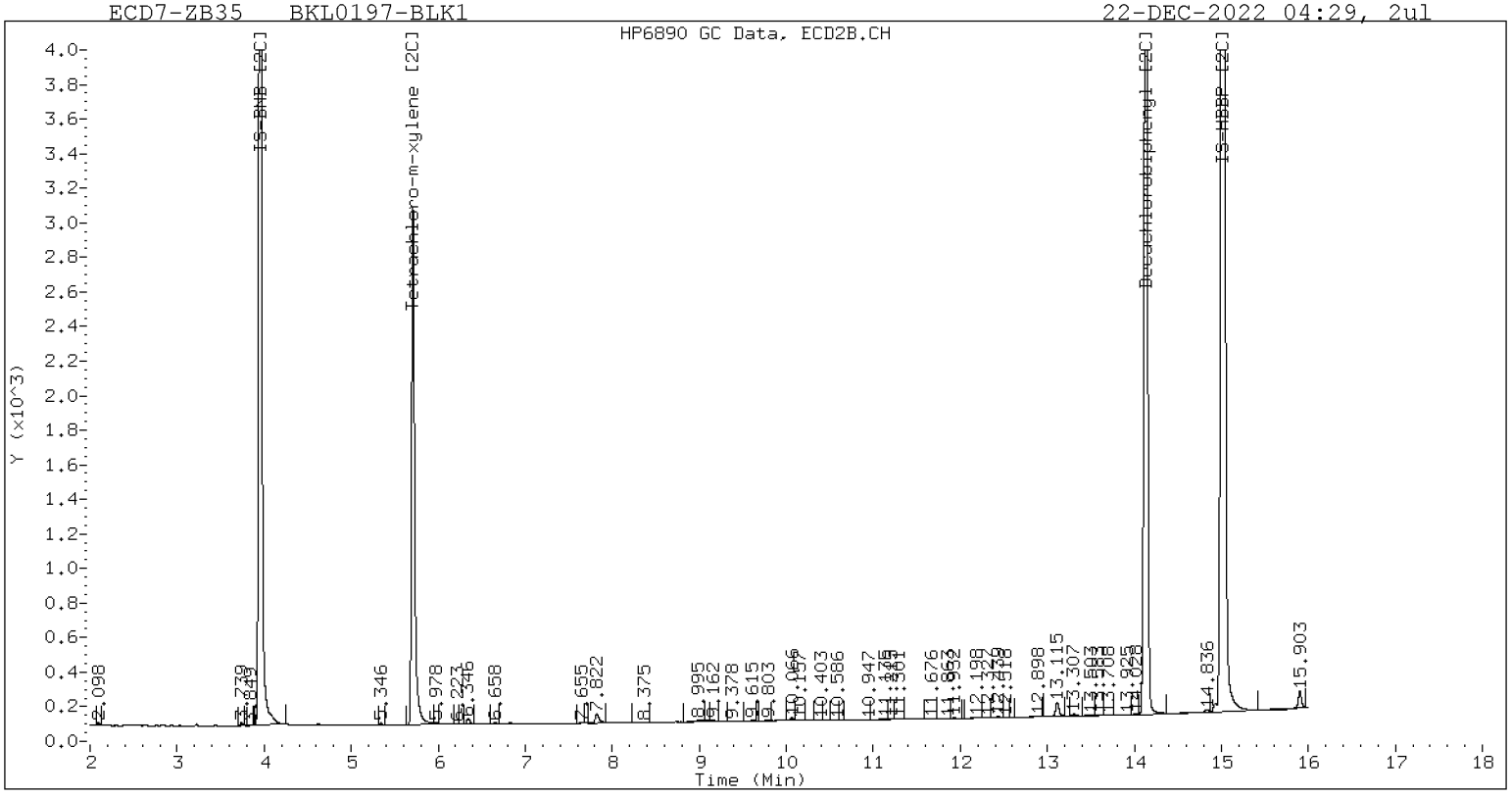
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-BLK1 22-DEC-2022 04:29, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-BLK1 22-DEC-2022 04:29, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0226-BLK1	File ID:	12192251ECD7.D
Sampled:	N/A	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 08:15
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0226	Sequence:	SKL0282	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	9.21	115	40 - 126	
Tetrachlorometaxylene	8.0000	6.29	78.6	44 - 120	
Decachlorobiphenyl [2C]	8.0000	8.45	106	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	6.11	76.4	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192251ECD7.D
Data file 2: /221219.b/221219.b/12192251ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-BLK1
Client ID:
Injection Date: 20-DEC-2022 08:15
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	241711	5.710	-0.004	132517	31.4	30.6	2.9	Tetrachloro-m-xylene
13.905	-0.003	356345	14.131	-0.006	266394	46.0	42.3	8.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	542419	21.2
Hexabromobiphenyl	798898	844627	5.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	316366	27.0
Hexabromobiphenyl	362541	443870	22.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 42960 Col1 Total PCB = 0.0 ppm*

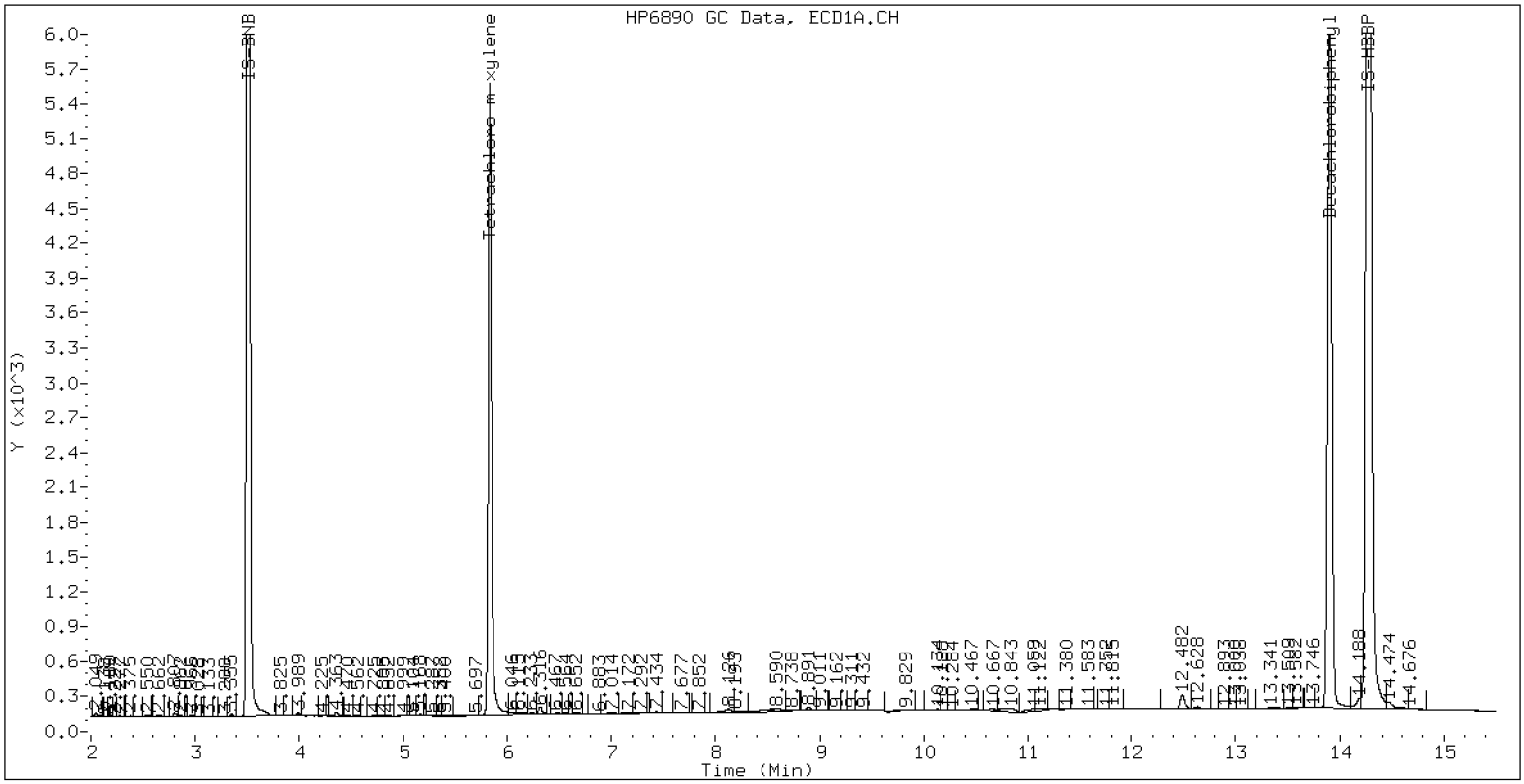
Total PCB Area Col2 (5.936 - 13.808) = 20351 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

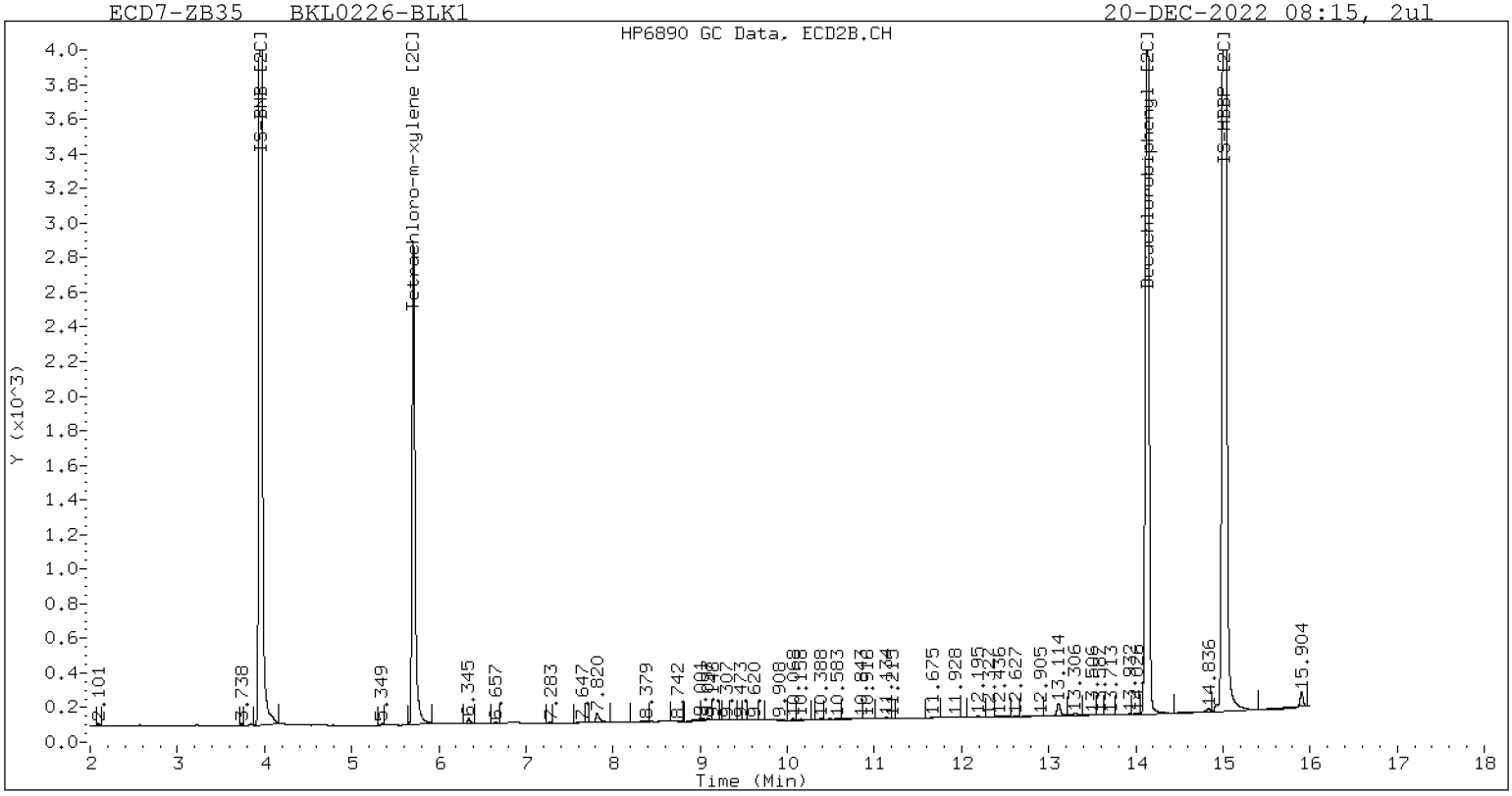
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-BLK1 20-DEC-2022 08:15, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0226-BLK1 20-DEC-2022 08:15, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0227-BLK1	File ID:	12202261ECD7.D
Sampled:	N/A	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 09:57
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0227	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	8.42	105	40 - 126	
Tetrachlorometaxylene	8.0000	6.83	85.4	44 - 120	
Decachlorobiphenyl [2C]	8.0000	8.12	102	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	6.67	83.4	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202261ECD7.D
Data file 2: /221220.b/221220.b/12202261ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-BLK1
Client ID:
Injection Date: 21-DEC-2022 09:57
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	255356	5.711	-0.002	140905	34.2	33.4	2.4	Tetrachloro-m-xylene
13.902	-0.006	309921	14.132	-0.005	244202	42.1	40.6	3.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	527295	17.8
Hexabromobiphenyl	798898	802830	0.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	308037	23.7
Hexabromobiphenyl	362541	423535	16.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 69347 Col1 Total PCB = 0.0 ppm*

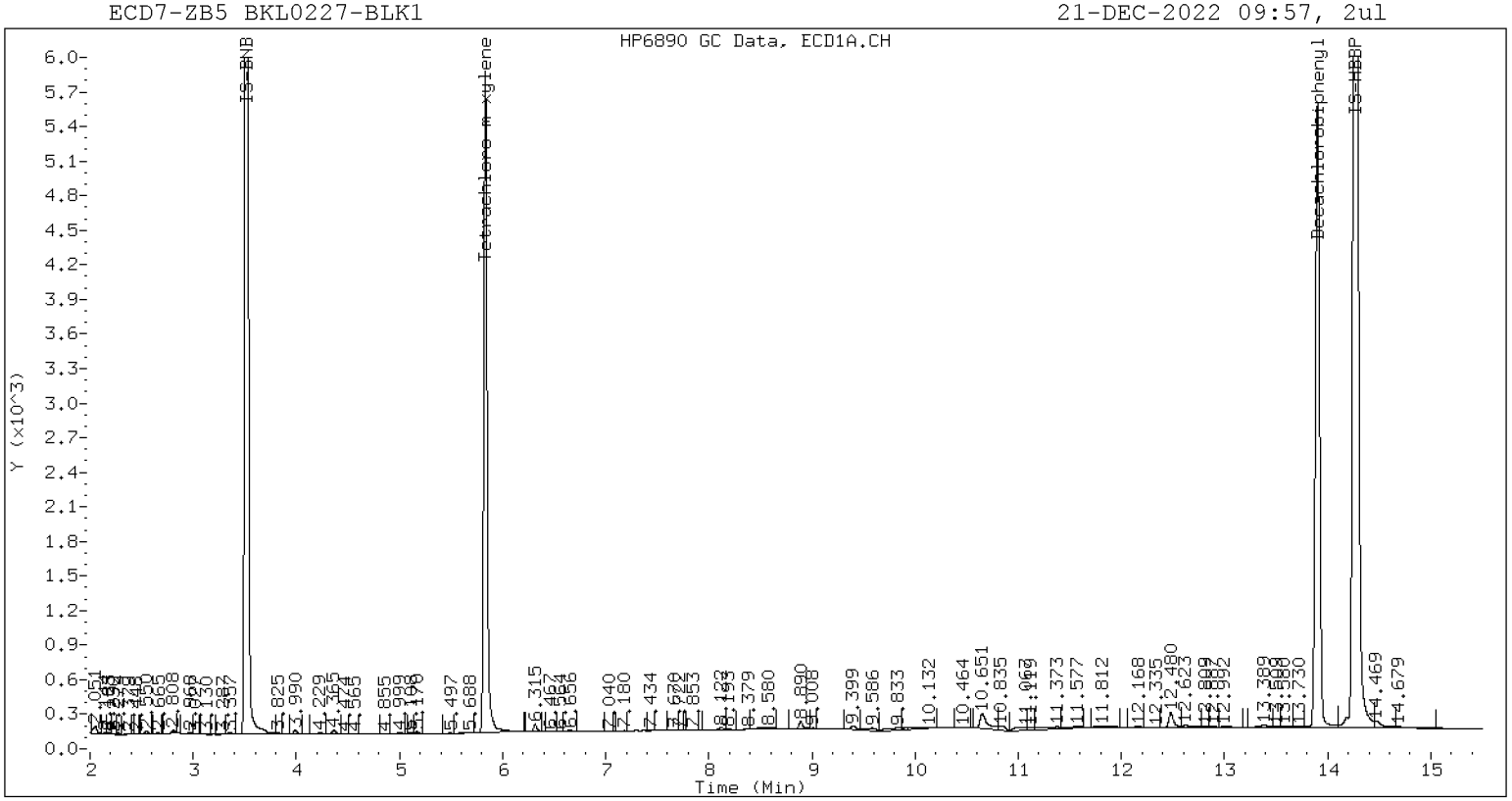
Total PCB Area Col2 (5.813 - 14.037) = 26717 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

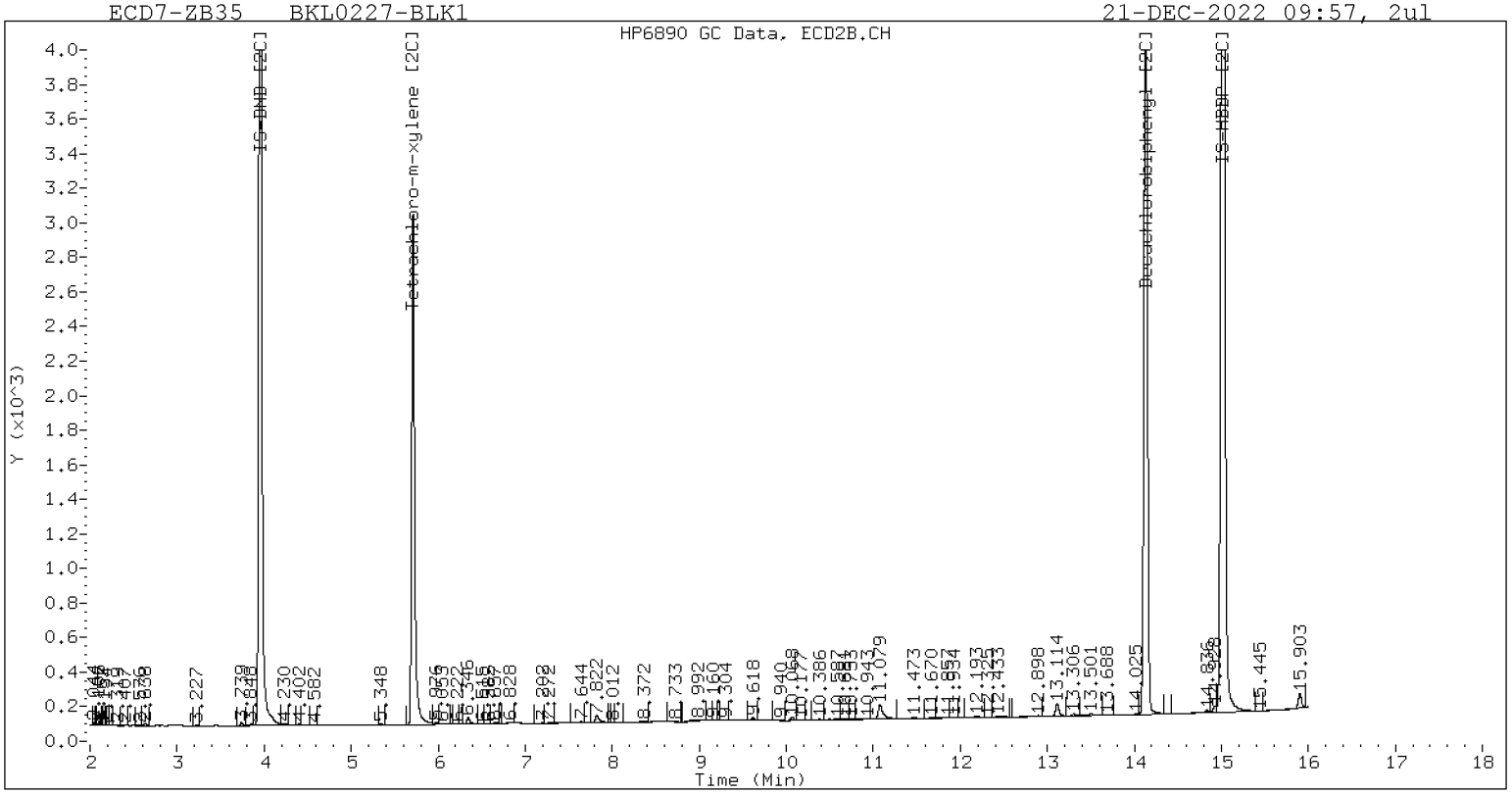
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-BLK1 21-DEC-2022 09:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-BLK1 21-DEC-2022 09:57, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0282-BLK1	File ID:	12202244ECD7.D
Sampled:	N/A	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 03:57
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0282	Sequence:	SKL0304	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	8.24	103	40 - 126	
Tetrachlorometaxylene	8.0000	6.09	76.1	44 - 120	
Decachlorobiphenyl [2C]	8.0000	7.35	91.9	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	5.90	73.8	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202244ECD7.D
Data file 2: /221220.b/221220.b/12202244ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-BLK1
Client ID:
Injection Date: 21-DEC-2022 03:57
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	228361	5.710	-0.004	126357	30.5	29.5	3.2	Tetrachloro-m-xylene
13.902	-0.005	242745	14.131	-0.006	198516	41.2	36.8	11.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	529061	18.2
Hexabromobiphenyl	798898	642834	-19.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	312377	25.4
Hexabromobiphenyl	362541	380447	4.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 1455371 Col1 Total PCB = 0.3 ppm*

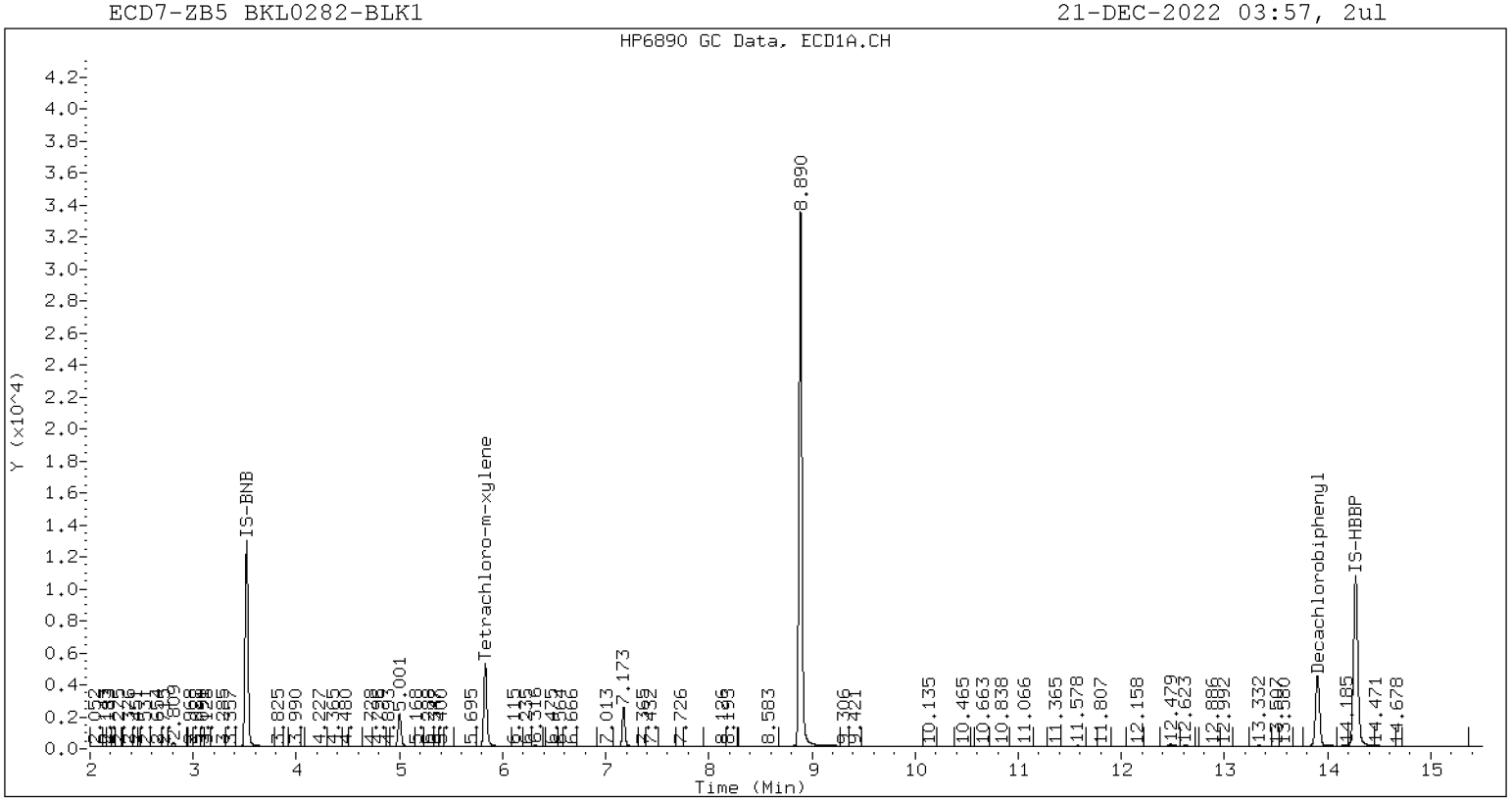
Total PCB Area Col2 (5.813 - 14.037) = 427321 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

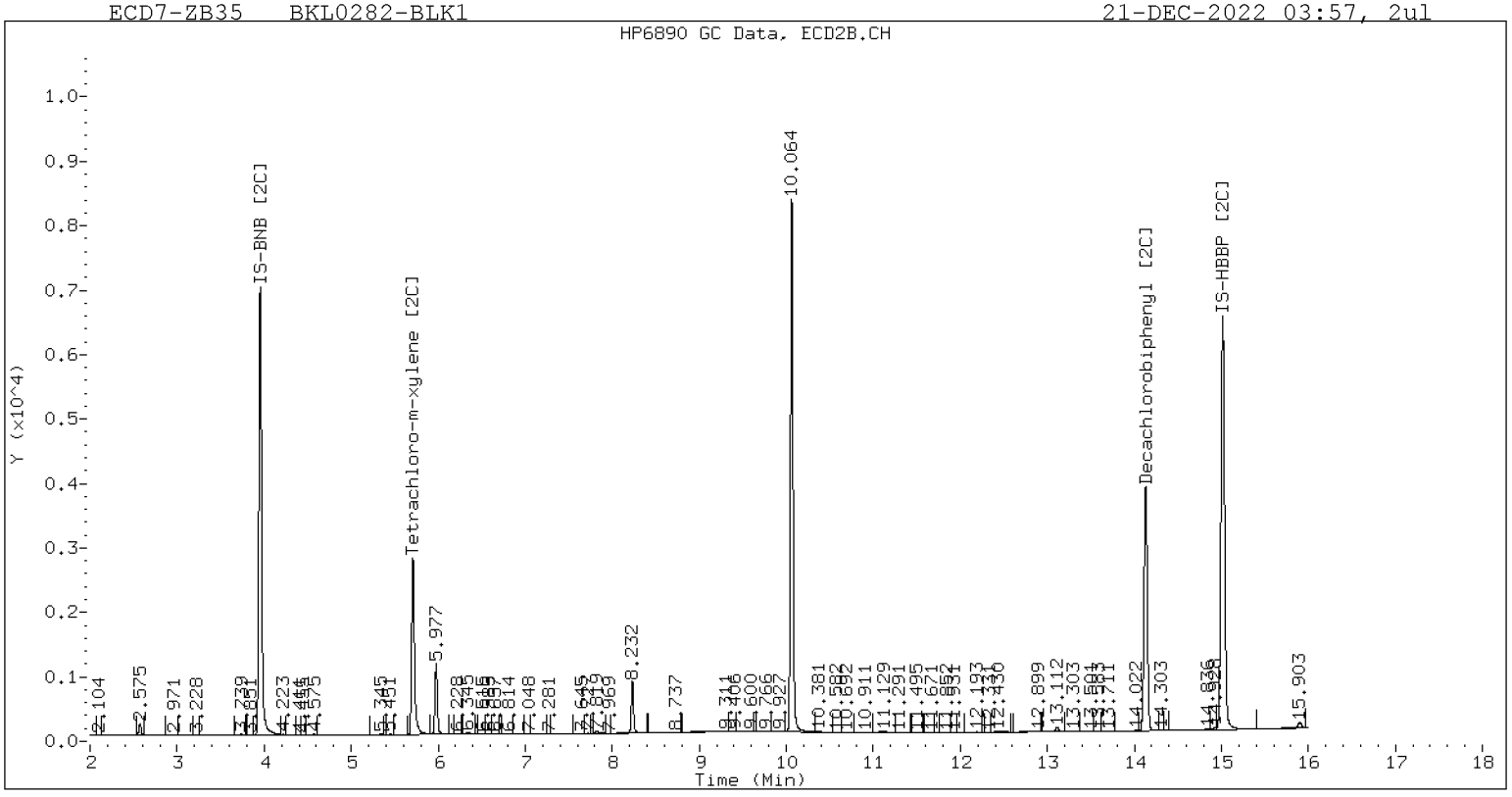
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-BLK1 21-DEC-2022 03:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0282-BLK1 21-DEC-2022 03:57, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/22/22 04:50
Batch:	BKL0197	Laboratory ID:	BKL0197-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	82.2		81.5	56 - 120
Aroclor 1260	101	88.6		87.9	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	78.6		77.9	4.50	30	56 - 120
Aroclor 1260	101	85.2		84.6	3.89	30	58 - 120

* Indicates values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212238ECD7.D
Data file 2: /221221.b/221221.b/12212238ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-BS1
Client ID:
Injection Date: 22-DEC-2022 04:50
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.000	256857	5.711	0.001	138073	32.0	30.9	3.4	Tetrachloro-m-xylene
13.904	0.000	413831	14.133	0.001	294838	37.9	38.0	0.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	566526	26.6
Hexabromobiphenyl	798898	1190428	49.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	325739	30.8
Hexabromobiphenyl	362541	546829	50.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.002	76746	406.1	1	7.273	-0.002	64454	387.0
Aroclor-1016	2	7.670	-0.007	255955	419.5	2	7.867	-0.004	145377	404.7
Aroclor-1016	3	7.807	-0.005	105068	380.0	3	8.067	-0.003	58734	380.8
Aroclor-1016	4	8.421	-0.002	77168	437.8	4	8.238	-0.005	35031	431.9
Total Col1Ave (4 peaks):					410.9	Total Col2Ave (4 peaks):				401.1 RPD = 2
Corrected Ave (3 peaks):					401.9	Corrected Ave (3 peaks):				390.8 RPD = 3
Aroclor-1221	1	4.761	0.001	450	9.6	1	---			0.0
Aroclor-1221	2	6.154	-0.004	8332	101.0	2	6.321	-0.001	6705	128.0
Aroclor-1221	3	6.405	-0.004	48633	255.5	3	6.642	-0.003	28503	323.3
Total Col1Ave (3 peaks):					122.0	Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	4.761	0.000	450	16.0	1	---			0.0
Aroclor-1232	2	6.154	-0.005	8332	140.0	2	7.273	-0.004	64454	796.8
Aroclor-1232	3	7.670	-0.014	255955	957.3	3	7.867	-0.009	145377	919.3
Aroclor-1232	4	8.593	-0.013	98955	872.3	4	8.728	-0.006	44675	1041.9
Total Col1Ave (4 peaks):					496.4	Total Col2Ave (3 peaks):				919.3 RPD = 60*
Corrected Ave (3 peaks):					342.8	Corrected Ave: < 3 Peaks				
Aroclor-1242	1	7.289	-0.006	76746	477.9	1	7.273	-0.002	64454	467.5
Aroclor-1242	2	7.670	-0.015	255955	502.0	2	7.867	-0.005	145377	496.7
Aroclor-1242	3	8.421	-0.009	77168	526.1	3	9.167	-0.005	8155	86.4
Aroclor-1242	4	9.009	-0.022	88783	291.5	4	9.591	-0.003	4213	37.1
Total Col1Ave (4 peaks):					449.4	Total Col2Ave (4 peaks):				271.9 RPD = 49*
Corrected Ave (3 peaks):					423.8	Corrected Ave (3 peaks):				197.0 RPD = 73*
Aroclor-1248	1	8.421	-0.007	77168	316.8	1	8.321	-0.002	43159	324.3
Aroclor-1248	2	8.593	-0.011	98955	318.2	2	8.728	0.000	44675	319.2
Aroclor-1248	3	9.009	-0.013	88783	158.7	3	9.167	-0.005	8155	47.9
Aroclor-1248	4	9.313	0.002	80269	292.9	4	9.591	-0.001	4213	21.1
Total Col1Ave (4 peaks):					271.6	Total Col2Ave (4 peaks):				178.1 RPD = 42*
Corrected Ave (3 peaks):					256.1	Corrected Ave (3 peaks):				129.4 RPD = 66*
Aroclor-1254	1	9.313	-0.002	80269	160.9	1	9.461	-0.002	38185	181.8
Aroclor-1254	2	---			0.0	2	9.981	-0.000	8175	48.4
Aroclor-1254	3	9.680	-0.006	14326	45.5	3	10.158	0.026	86997	239.7
Aroclor-1254	4	9.818	-0.003	46981	76.5	4	10.383	0.003	112013	298.0
Aroclor-1254	5	10.133	-0.043	218437	518.9	5	10.577	-0.001	150879	832.3
Total Col1Ave (4 peaks):					200.4	Total Col2Ave (5 peaks):				320.0 RPD = 46*
Corrected Ave (3 peaks):					94.3	Corrected Ave (4 peaks):				192.0 RPD = 68*
Aroclor-1260	1	11.056	-0.000	186334	430.0	1	11.665	-0.000	119122	412.7
Aroclor-1260	2	11.371	-0.003	197647	441.0	2	11.927	-0.000	294220	406.2
Aroclor-1260	3	11.745	-0.003	500977	425.4	3	12.447	0.000	86193	446.9
Aroclor-1260	4	12.149	0.000	279065	465.4	4	12.512	0.001	207696	430.2
Aroclor-1260	5	12.255	-0.000	111330	453.5	NS	---			----
Total Col1Ave (5 peaks):					443.1	Total Col2Ave (4 peaks):				424.0 RPD = 4
Corrected Ave (4 peaks):					437.5	Corrected Ave (3 peaks):				416.4 RPD = 5
Aroclor-1262	1	10.836	-0.012	369458	928.1	1	11.211	-0.007	108588	261.2
Aroclor-1262	2	12.255	-0.007	111330	179.9	2	11.665	-0.005	119122	330.8
Aroclor-1262	3	12.330	-0.007	134494	203.5	3	12.447	-0.004	86193	217.0
Aroclor-1262	4	12.997	-0.008	127191	239.8	4	12.512	-0.007	207696	333.8
Total Col1Ave (4 peaks):					387.8	Total Col2Ave (4 peaks):				285.7 RPD = 30
Corrected Ave (3 peaks):					207.7	Corrected Ave (3 peaks):				269.6 RPD = 26
Aroclor-1268	1	12.255	-0.007	111330	66.8	1	12.447	-0.002	86193	83.5
Aroclor-1268	2	12.330	-0.005	134494	82.5	2	12.512	-0.005	207696	196.2
Aroclor-1268	3	12.735	0.019	60587	45.4	3	12.904	-0.005	3770	9.6
Aroclor-1268	4	13.498	-0.007	38255	9.4	4	13.721	-0.006	24352	8.6
Total Col1Ave (4 peaks):					51.0	Total Col2Ave (4 peaks):				74.5 RPD = 37
Corrected Ave (3 peaks):					40.5	Corrected Ave (3 peaks):				33.9 RPD = 18

Total PCB Area Col1 (5.933 - 13.804) = 5078563 Col1 Total PCB = 0.9 ppm*

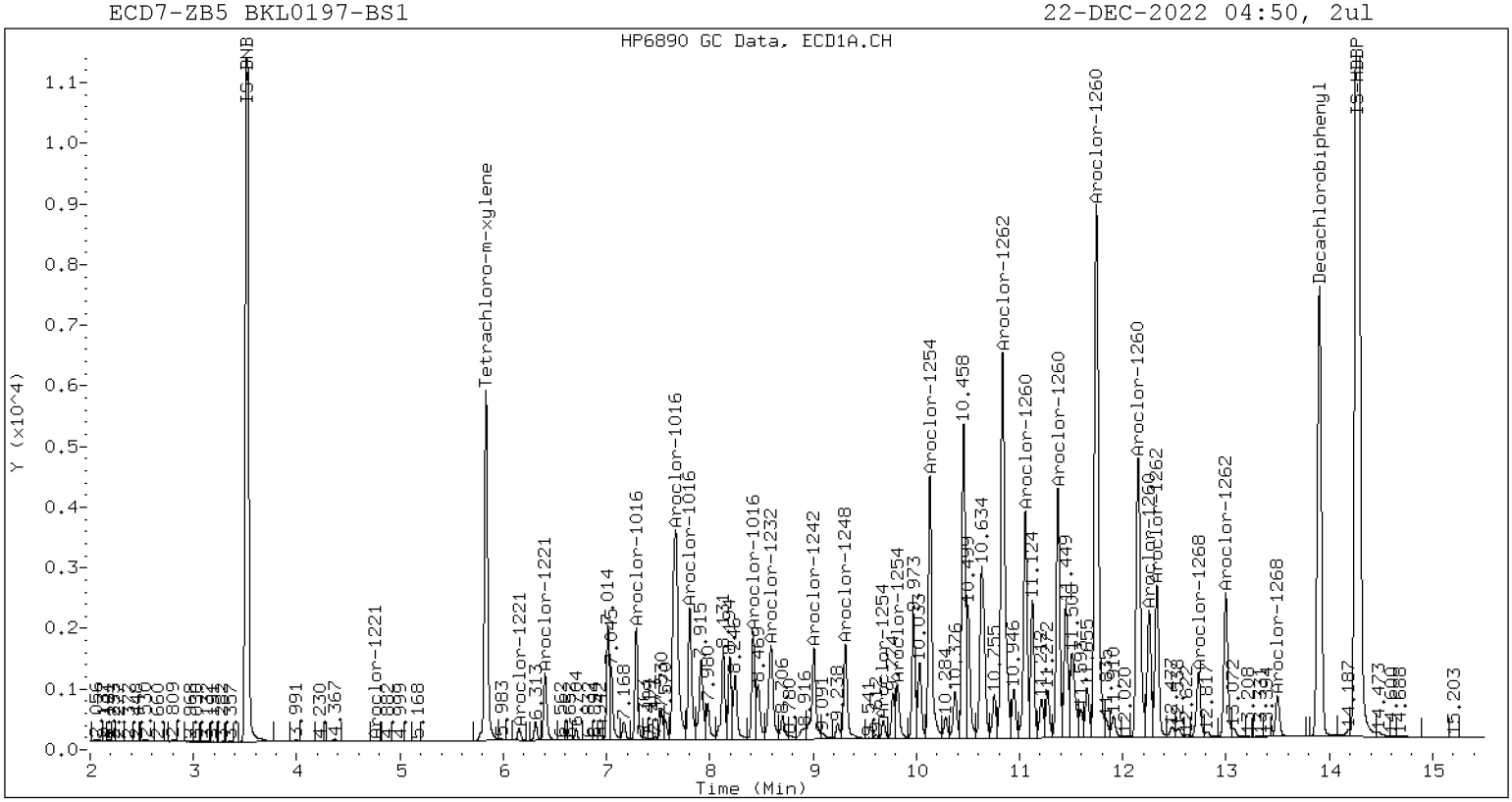
Total PCB Area Col2 (5.810 - 14.032) = 2778917 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

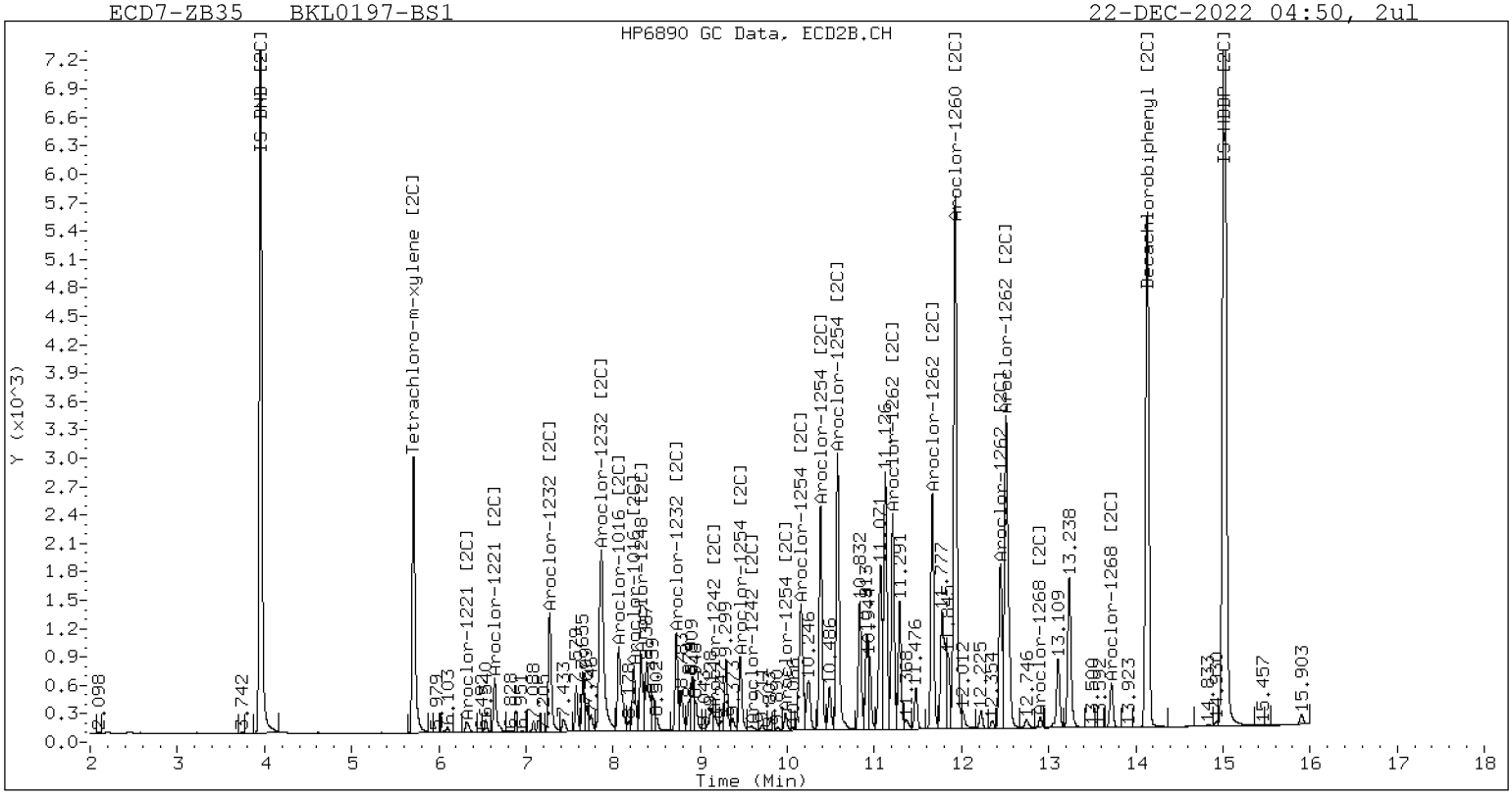
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-BS1 22-DEC-2022 04:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-BS1 22-DEC-2022 04:50, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212239ECD7.D
Data file 2: /221221.b/221221.b/12212239ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-BSD1
Client ID:
Injection Date: 22-DEC-2022 05:11
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.001	244565	5.712	0.002	132687	30.5	29.7	2.8	Tetrachloro-m-xylene
13.903	-0.001	412513	14.132	0.000	293583	36.9	36.7	0.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	565688	26.4
Hexabromobiphenyl	798898	1218100	52.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	326274	31.0
Hexabromobiphenyl	362541	562673	55.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.001	72415	383.8	1	7.274	-0.001	61540	368.9
Aroclor-1016	2	7.670	-0.007	244412	401.2	2	7.868	-0.004	139369	387.4
Aroclor-1016	3	7.807	-0.004	100461	363.9	3	8.067	-0.003	56720	367.1
Aroclor-1016	4	8.421	-0.002	74325	422.3	4	8.238	-0.005	34060	419.2
Total Col1Ave (4 peaks):		392.8				Total Col2Ave (4 peaks):			385.6	RPD = 2
Corrected Ave (3 peaks):		382.9				Corrected Ave (3 peaks):			374.5	RPD = 2
Aroclor-1221	1	4.762	0.002	578	12.4	1	4.979	-0.008	605	22.0
Aroclor-1221	2	6.155	-0.004	7502	91.1	2	6.321	-0.001	6643	126.6
Aroclor-1221	3	6.406	-0.003	46364	244.0	3	6.643	-0.003	26533	300.4
Total Col1Ave (3 peaks):		115.8				Total Col2Ave (3 peaks):			149.7	RPD = 26
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.762	0.001	578	20.5	1	4.979	-0.010	605	38.1
Aroclor-1232	2	6.155	-0.005	7502	126.2	2	7.274	-0.003	61540	759.5
Aroclor-1232	3	7.670	-0.014	244412	915.5	3	7.868	-0.009	139369	879.9
Aroclor-1232	4	8.594	-0.012	95177	840.3	4	8.728	-0.006	43115	1003.9
Total Col1Ave (4 peaks):		475.6				Total Col2Ave (4 peaks):			670.3	RPD = 34
Corrected Ave (3 peaks):		329.0				Corrected Ave (3 peaks):			559.2	RPD = 52*
Aroclor-1242	1	7.289	-0.005	72415	451.6	1	7.274	-0.001	61540	445.7
Aroclor-1242	2	7.670	-0.015	244412	480.1	2	7.868	-0.004	139369	475.4
Aroclor-1242	3	8.421	-0.009	74325	507.4	3	9.168	-0.004	8009	84.7
Aroclor-1242	4	9.009	-0.022	86442	284.2	4	9.591	-0.003	4350	38.3
Total Col1Ave (4 peaks):		430.8				Total Col2Ave (4 peaks):			261.0	RPD = 49*
Corrected Ave (3 peaks):		405.3				Corrected Ave (3 peaks):			189.5	RPD = 73*
Aroclor-1248	1	8.421	-0.007	74325	305.6	1	8.322	-0.002	41988	315.0
Aroclor-1248	2	8.594	-0.011	95177	306.5	2	8.728	0.001	43115	307.5
Aroclor-1248	3	9.009	-0.013	86442	154.7	3	9.168	-0.003	8009	47.0
Aroclor-1248	4	9.313	0.002	78854	288.1	4	9.591	-0.001	4350	21.7
Total Col1Ave (4 peaks):		263.7				Total Col2Ave (4 peaks):			172.8	RPD = 42*
Corrected Ave (3 peaks):		249.5				Corrected Ave (3 peaks):			125.4	RPD = 66*
Aroclor-1254	1	9.313	-0.002	78854	158.3	1	9.461	-0.002	37409	177.8
Aroclor-1254	2	---			0.0	2	9.980	-0.001	7365	43.5
Aroclor-1254	3	9.680	-0.006	13286	42.2	3	10.158	0.026	84863	233.4
Aroclor-1254	4	9.817	-0.004	45717	74.6	4	10.382	0.002	109820	291.7
Aroclor-1254	5	10.133	-0.043	214311	509.9	5	10.577	-0.001	147486	812.2
Total Col1Ave (4 peaks):		196.2				Total Col2Ave (5 peaks):			311.7	RPD = 45*
Corrected Ave (3 peaks):		91.7				Corrected Ave (4 peaks):			186.6	RPD = 68*
Aroclor-1260	1	11.056	-0.001	180779	407.7	1	11.665	0.000	117434	395.4
Aroclor-1260	2	11.372	-0.002	194113	423.3	2	11.928	0.001	288934	387.7
Aroclor-1260	3	11.745	-0.002	505710	419.7	3	12.447	0.000	84226	424.4
Aroclor-1260	4	12.149	0.001	273595	445.9	4	12.511	-0.000	204862	412.3
Aroclor-1260	5	12.256	0.000	109078	434.2	NS	---			----
Total Col1Ave (5 peaks):		426.2				Total Col2Ave (4 peaks):			405.0	RPD = 5
Corrected Ave (4 peaks):		421.2				Corrected Ave (3 peaks):			398.5	RPD = 6
Aroclor-1262	1	10.836	-0.012	360123	884.1	1	11.212	-0.006	106632	249.2
Aroclor-1262	2	12.256	-0.007	109078	172.2	2	11.665	-0.005	117434	316.9
Aroclor-1262	3	12.330	-0.007	131576	194.5	3	12.447	-0.004	84226	206.1
Aroclor-1262	4	12.995	-0.010	124753	229.8	4	12.511	-0.008	204862	320.0
Total Col1Ave (4 peaks):		370.2				Total Col2Ave (4 peaks):			273.0	RPD = 30
Corrected Ave (3 peaks):		198.9				Corrected Ave (3 peaks):			257.4	RPD = 26
Aroclor-1268	1	12.256	-0.007	109078	64.0	1	12.447	-0.002	84226	79.3
Aroclor-1268	2	12.330	-0.005	131576	78.9	2	12.511	-0.006	204862	188.1
Aroclor-1268	3	12.733	0.017	58999	43.2	3	12.905	-0.005	3699	9.2
Aroclor-1268	4	13.498	-0.007	37252	8.9	4	13.720	-0.007	23879	8.2
Total Col1Ave (4 peaks):		48.8				Total Col2Ave (4 peaks):			71.2	RPD = 37

Corrected Ave (3 peaks): 38.7 Corrected Ave (3 peaks): 32.2 RPD = 18

Total PCB Area Col1 (5.933 - 13.804) = 4938907 Col1 Total PCB = 0.9 ppm*

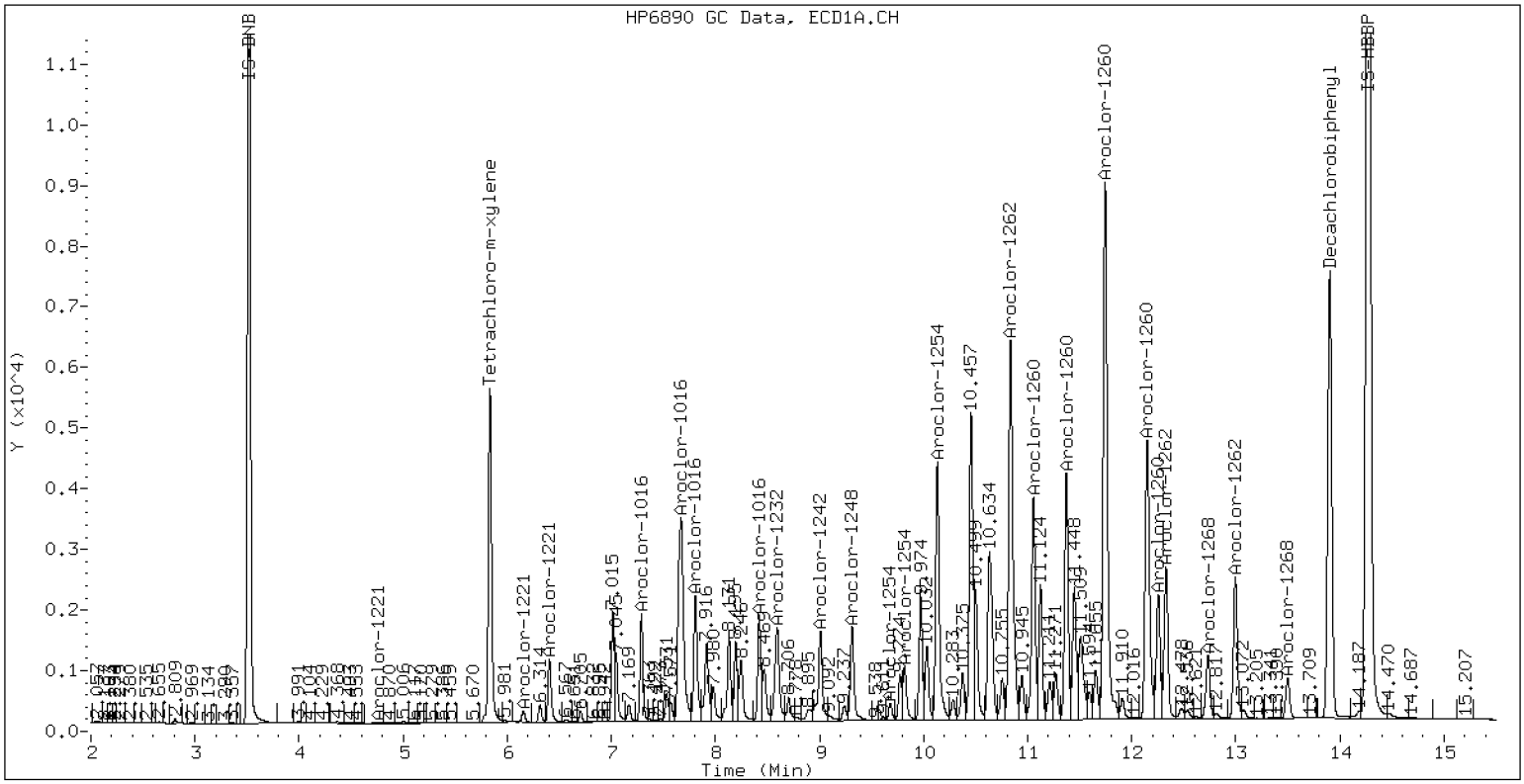
Total PCB Area Col2 (5.810 - 14.032) = 2718925 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

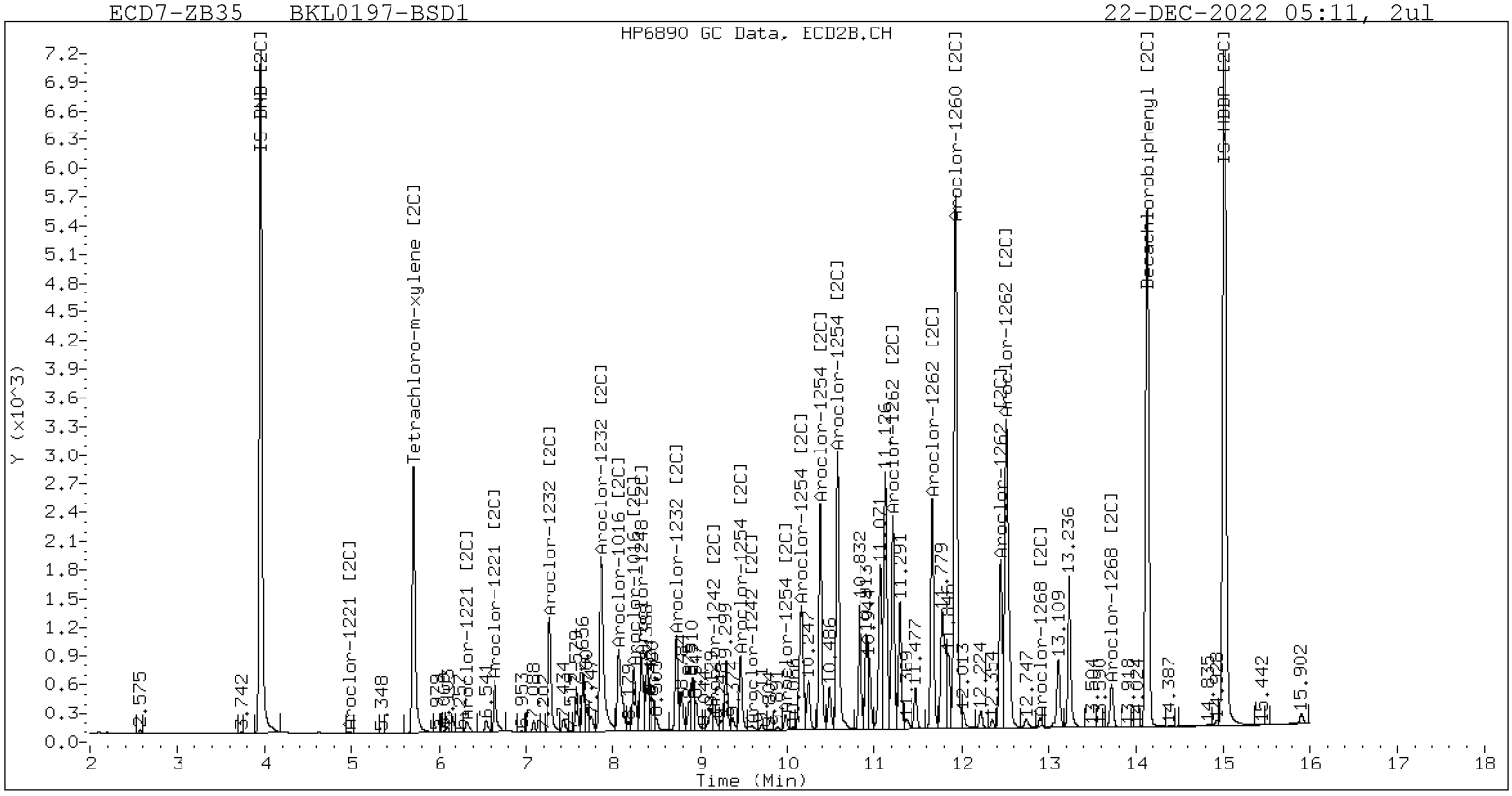
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-BSD1 22-DEC-2022 05:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-BSD1 22-DEC-2022 05:11, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/20/22 08:37
Batch:	BKL0226	Laboratory ID:	BKL0226-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	89.4		88.7	56 - 120
Aroclor 1260	101	111		110	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	83.0		82.4	7.41	30	56 - 120
Aroclor 1260	101	101		99.9	9.25	30	58 - 120

* Indicates values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192252ECD7.D
Data file 2: /221219.b/221219.b/12192252ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-BS1
Client ID:
Injection Date: 20-DEC-2022 08:37
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	280252	5.710	-0.004	147561	35.2	33.0	6.6	Tetrachloro-m-xylene
13.904	-0.003	388952	14.132	-0.005	282436	45.2	42.9	5.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	561638	25.5
Hexabromobiphenyl	798898	939779	17.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	326552	31.1
Hexabromobiphenyl	362541	464198	28.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.288	-0.007	83111	443.6	1	7.272	-0.004	68713	411.5
Aroclor-1016	2	7.669	-0.016	276656	457.4	2	7.866	-0.005	157736	438.1
Aroclor-1016	3	7.806	-0.012	112945	412.1	3	8.066	-0.004	62759	405.8
Aroclor-1016	4	8.420	-0.009	83084	475.5	4	8.237	-0.004	37537	461.6
Total Col1Ave (4 peaks):		447.1				Total Col2Ave (4 peaks):			429.3	RPD = 4
Corrected Ave (3 peaks):		437.7				Corrected Ave (3 peaks):			418.5	RPD = 4
Aroclor-1221	1	4.756	-0.004	1045	22.5	1	---			0.0
Aroclor-1221	2	6.153	-0.006	11514	140.8	2	6.318	-0.003	6874	130.9
Aroclor-1221	3	6.403	-0.006	53556	283.8	3	6.640	-0.005	29881	338.1
Total Col1Ave (3 peaks):		149.0				Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	4.756	-0.005	1045	37.4	1	---			0.0
Aroclor-1232	2	6.153	-0.007	11514	195.1	2	7.272	-0.005	68713	847.3
Aroclor-1232	3	7.669	-0.015	276656	1043.7	3	7.866	-0.011	157736	995.0
Aroclor-1232	4	8.592	-0.014	108352	963.5	4	8.727	-0.007	47070	1095.1
Total Col1Ave (4 peaks):		559.9				Total Col2Ave (3 peaks):			979.1	RPD = 54*
Corrected Ave (3 peaks):		398.7				Corrected Ave: < 3 Peaks				
Aroclor-1242	1	7.288	-0.007	83111	522.1	1	7.272	-0.006	68713	497.2
Aroclor-1242	2	7.669	-0.017	276656	547.3	2	7.866	-0.009	157736	537.6
Aroclor-1242	3	8.420	-0.010	83084	571.3	3	9.166	-0.011	8577	90.6
Aroclor-1242	4	9.008	-0.023	110513	366.0	4	9.591	-0.014	4388	38.6
Total Col1Ave (4 peaks):		501.7				Total Col2Ave (4 peaks):			291.0	RPD = 53*
Corrected Ave (3 peaks):		478.5				Corrected Ave (3 peaks):			208.8	RPD = 78*
Aroclor-1248	1	8.420	-0.008	83084	344.1	1	8.321	-0.006	45611	341.9
Aroclor-1248	2	8.592	-0.012	108352	351.4	2	8.727	-0.006	47070	335.5
Aroclor-1248	3	9.008	-0.014	110513	199.2	3	9.166	-0.011	8577	50.3
Aroclor-1248	4	9.312	0.001	88342	325.1	4	9.591	-0.012	4388	21.9
Total Col1Ave (4 peaks):		305.0				Total Col2Ave (4 peaks):			187.4	RPD = 48*
Corrected Ave (3 peaks):		289.5				Corrected Ave (3 peaks):			135.9	RPD = 72*
Aroclor-1254	1	9.312	-0.009	88342	178.6	1	9.460	-0.007	40623	192.9
Aroclor-1254	2	---			0.0	2	9.980	-0.007	8015	47.3
Aroclor-1254	3	9.680	-0.014	14026	44.9	3	10.157	0.018	92297	253.7
Aroclor-1254	4	9.817	-0.014	50560	83.0	4	10.382	-0.007	119629	317.5
Aroclor-1254	5	10.132	-0.057	231006	553.5	5	10.577	-0.009	159736	878.9
Total Col1Ave (4 peaks):		215.0				Total Col2Ave (5 peaks):			338.1	RPD = 44*
Corrected Ave (3 peaks):		102.2				Corrected Ave (4 peaks):			202.9	RPD = 66*
Aroclor-1260	1	11.056	-0.007	187771	548.9	1	11.664	-0.005	122287	499.1
Aroclor-1260	2	11.372	-0.005	198910	562.2	2	11.927	-0.006	298818	486.0
Aroclor-1260	3	11.744	-0.008	493847	531.2	3	12.447	-0.004	84709	517.4
Aroclor-1260	4	12.147	-0.011	268887	568.0	4	12.511	-0.005	205527	501.4
Aroclor-1260	5	12.255	-0.006	107099	552.6	NS	---			----
Total Col1Ave (5 peaks):		552.6				Total Col2Ave (4 peaks):			501.0	RPD = 10
Corrected Ave (4 peaks):		548.7				Corrected Ave (3 peaks):			495.5	RPD = 10
Aroclor-1262	1	10.835	-0.013	377324	1200.6	1	11.211	-0.007	112699	319.3
Aroclor-1262	2	12.255	-0.007	107099	219.2	2	11.664	-0.006	122287	400.0
Aroclor-1262	3	12.329	-0.007	128994	247.2	3	12.447	-0.004	84709	251.2
Aroclor-1262	4	12.998	-0.007	117301	280.1	4	12.511	-0.008	205527	389.1
Total Col1Ave (4 peaks):		486.8				Total Col2Ave (4 peaks):			339.9	RPD = 36
Corrected Ave (3 peaks):		248.8				Corrected Ave (3 peaks):			319.9	RPD = 25
Aroclor-1268	1	12.255	-0.007	107099	81.5	1	12.447	-0.002	84709	96.7
Aroclor-1268	2	12.329	-0.006	128994	100.3	2	12.511	-0.006	205527	228.8
Aroclor-1268	3	12.734	0.018	56532	53.6	3	12.905	-0.005	3806	11.4
Aroclor-1268	4	13.498	-0.007	33511	10.4	4	13.720	-0.006	23326	9.7
Total Col1Ave (4 peaks):		61.4				Total Col2Ave (4 peaks):			86.6	RPD = 34
Corrected Ave (3 peaks):		48.5				Corrected Ave (3 peaks):			39.3	RPD = 21

Total PCB Area Col1 (5.936 - 13.808) = 5214286 Col1 Total PCB = 0.8 ppm*

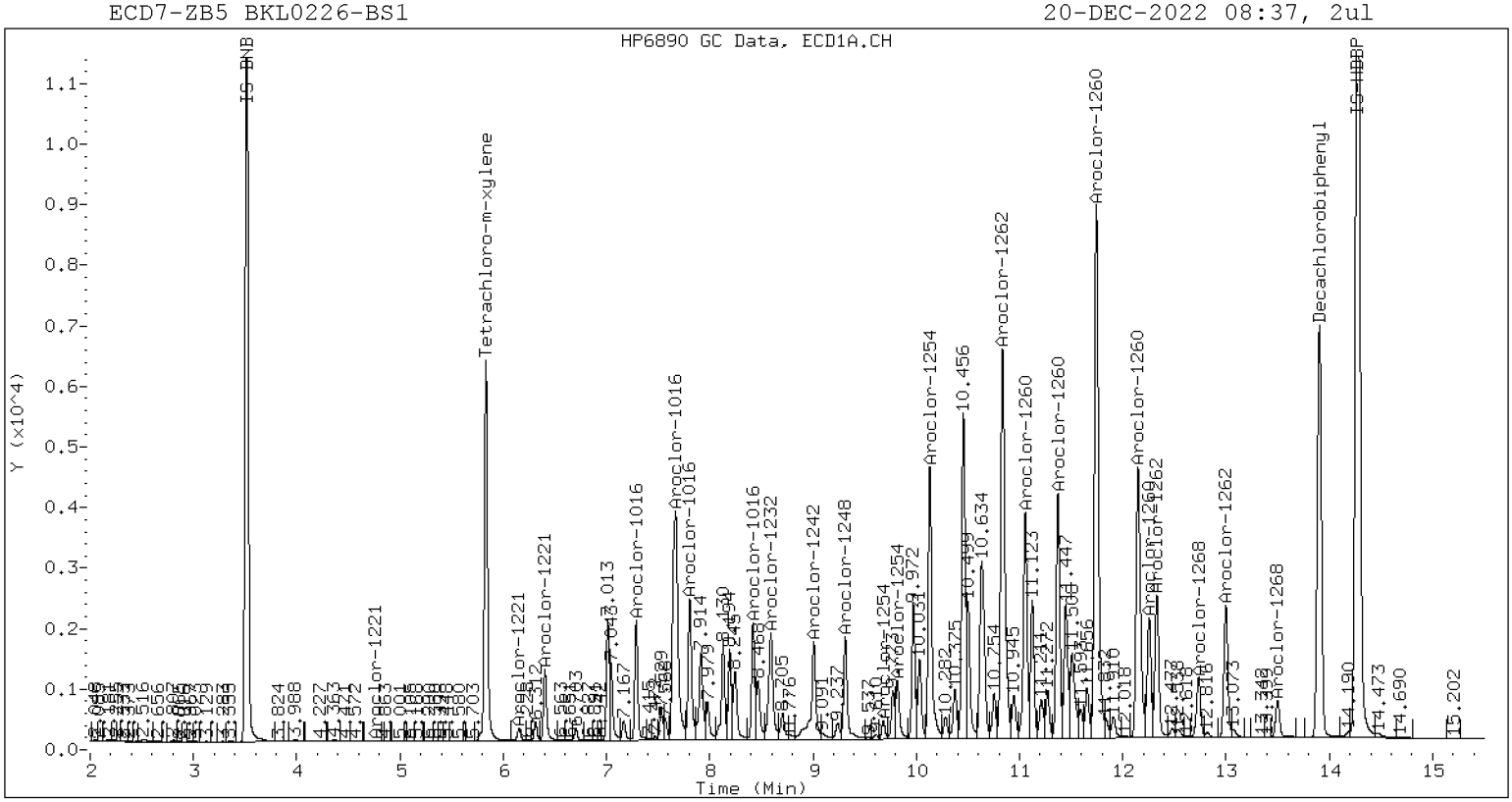
Total PCB Area Col2 (5.936 - 13.808) = 2879696 Col2 Total PCB = 1.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

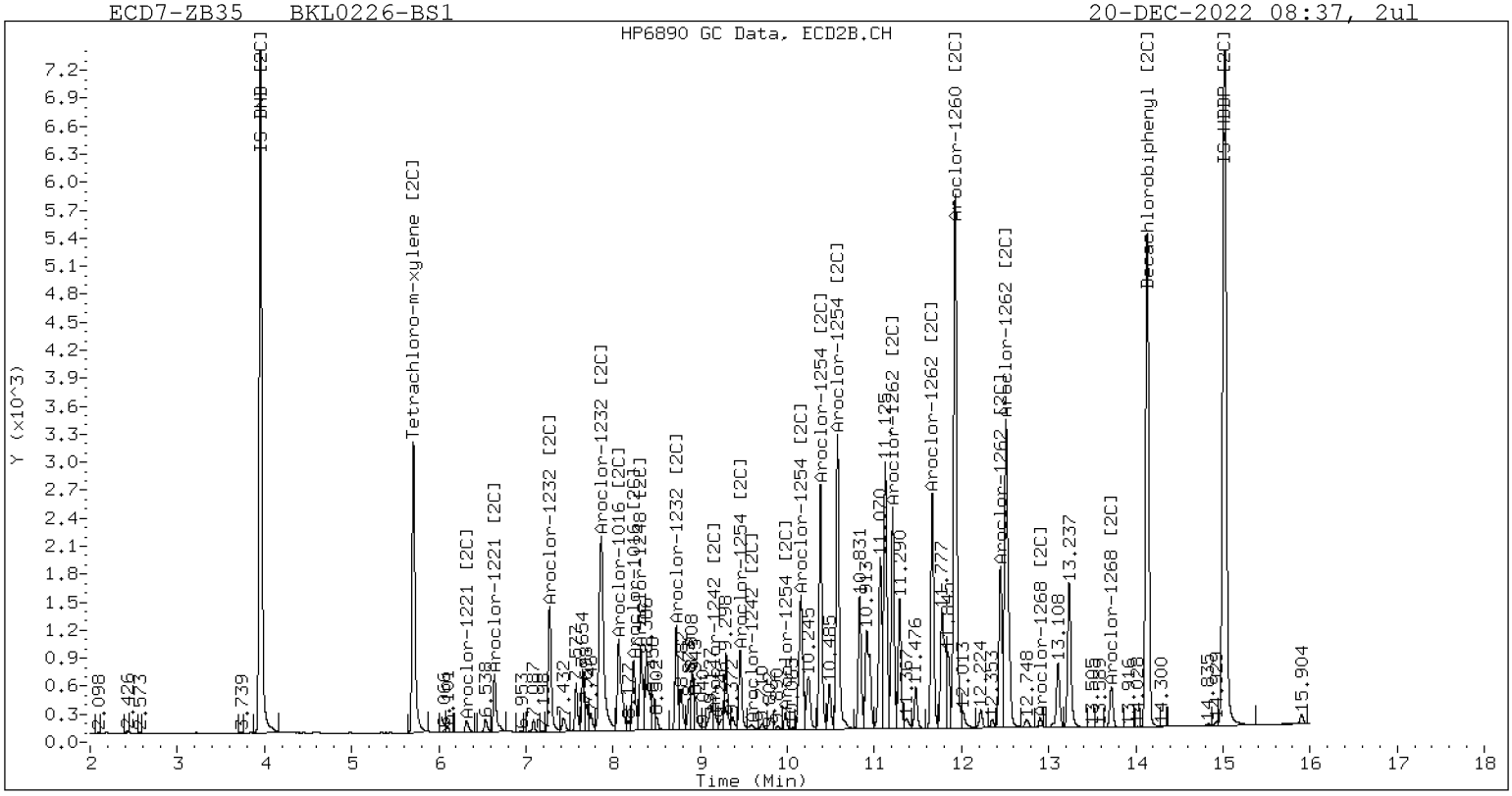
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-BS1 20-DEC-2022 08:37, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0226-BS1 20-DEC-2022 08:37, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192253ECD7.D
Data file 2: /221219.b/221219.b/12192253ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-BSD1
Client ID:
Injection Date: 20-DEC-2022 08:58
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	272947	5.711	-0.002	142371	35.1	32.5	7.7	Tetrachloro-m-xylene
13.903	-0.005	360315	14.132	-0.005	263806	42.1	39.7	6.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	549252	22.7
Hexabromobiphenyl	798898	932711	16.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	319992	28.5
Hexabromobiphenyl	362541	468188	29.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.005	74886	408.7	1	7.273	-0.002	61920	378.5
Aroclor-1016	2	7.670	-0.015	253039	427.8	2	7.868	-0.002	141734	401.7
Aroclor-1016	3	7.807	-0.010	102860	383.7	3	8.067	-0.003	56764	374.6
Aroclor-1016	4	8.421	-0.008	75284	440.6	4	8.238	-0.003	33720	423.2
Total Col1Ave (4 peaks):		415.2				Total Col2Ave (4 peaks):		394.5	RPD = 5	
Corrected Ave (3 peaks):		406.7				Corrected Ave (3 peaks):		384.9	RPD = 6	
Aroclor-1221	1	4.759	-0.001	936	20.6	1	4.988	0.001	294	10.9
Aroclor-1221	2	6.154	-0.004	12918	161.5	2	6.320	-0.001	6357	123.5
Aroclor-1221	3	6.405	-0.004	51289	277.9	3	6.642	-0.003	27486	317.3
Total Col1Ave (3 peaks):		153.4				Total Col2Ave (3 peaks):		150.6	RPD = 2	
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.759	-0.002	936	34.3	1	4.988	-0.001	294	18.9
Aroclor-1232	2	6.154	-0.005	12918	223.8	2	7.273	-0.004	61920	779.2
Aroclor-1232	3	7.670	-0.014	253039	976.2	3	7.868	-0.009	141734	912.3
Aroclor-1232	4	8.595	-0.011	97754	888.9	4	8.728	-0.006	42860	1017.6
Total Col1Ave (4 peaks):		530.8				Total Col2Ave (4 peaks):		682.0	RPD = 25	
Corrected Ave (3 peaks):		382.3				Corrected Ave (3 peaks):		570.2	RPD = 39	
Aroclor-1242	1	7.289	-0.006	74886	481.0	1	7.273	-0.004	61920	457.2
Aroclor-1242	2	7.670	-0.015	253039	511.9	2	7.868	-0.007	141734	493.0
Aroclor-1242	3	8.421	-0.009	75284	529.4	3	9.167	-0.011	7829	84.4
Aroclor-1242	4	9.009	-0.022	99947	338.4	4	9.593	-0.013	4030	36.2
Total Col1Ave (4 peaks):		465.2				Total Col2Ave (4 peaks):		267.7	RPD = 54*	
Corrected Ave (3 peaks):		443.8				Corrected Ave (3 peaks):		192.6	RPD = 79*	
Aroclor-1248	1	8.421	-0.006	75284	318.8	1	8.322	-0.004	41626	318.4
Aroclor-1248	2	8.595	-0.010	97754	324.2	2	8.728	-0.004	42860	311.7
Aroclor-1248	3	9.009	-0.013	99947	184.3	3	9.167	-0.010	7829	46.8
Aroclor-1248	4	9.313	0.002	77118	290.2	4	9.593	-0.010	4030	20.5
Total Col1Ave (4 peaks):		279.4				Total Col2Ave (4 peaks):		174.4	RPD = 46*	
Corrected Ave (3 peaks):		264.4				Corrected Ave (3 peaks):		126.4	RPD = 71*	
Aroclor-1254	1	9.313	-0.008	77118	159.5	1	9.461	-0.006	37063	179.6
Aroclor-1254	2	---			0.0	2	9.980	-0.007	7093	42.8
Aroclor-1254	3	9.682	-0.012	10776	35.3	3	10.158	0.018	83501	234.2
Aroclor-1254	4	9.819	-0.012	43012	72.2	4	10.383	-0.006	108648	294.2
Aroclor-1254	5	10.133	-0.057	208494	510.9	5	10.578	-0.008	145386	816.4
Total Col1Ave (4 peaks):		194.5				Total Col2Ave (5 peaks):		313.4	RPD = 47*	
Corrected Ave (3 peaks):		89.0				Corrected Ave (4 peaks):		187.7	RPD = 71*	
Aroclor-1260	1	11.056	-0.006	167784	494.2	1	11.664	-0.005	111600	451.6
Aroclor-1260	2	11.372	-0.005	178950	509.6	2	11.928	-0.005	272510	439.4
Aroclor-1260	3	11.744	-0.008	460292	498.9	3	12.446	-0.005	75783	458.9
Aroclor-1260	4	12.149	-0.010	242435	516.0	4	12.512	-0.005	186229	450.5
Aroclor-1260	5	12.255	-0.007	96168	500.0	NS	---			----
Total Col1Ave (5 peaks):		503.7				Total Col2Ave (4 peaks):		450.1	RPD = 11	
Corrected Ave (4 peaks):		500.7				Corrected Ave (3 peaks):		447.2	RPD = 11	
Aroclor-1262	1	10.837	-0.011	339743	1089.2	1	11.211	-0.007	102776	288.7
Aroclor-1262	2	12.255	-0.008	96168	198.3	2	11.664	-0.006	111600	362.0
Aroclor-1262	3	12.330	-0.006	116000	224.0	3	12.446	-0.005	75783	222.8
Aroclor-1262	4	12.998	-0.007	106556	256.4	4	12.512	-0.008	186229	349.6
Total Col1Ave (4 peaks):		442.0				Total Col2Ave (4 peaks):		305.8	RPD = 36	
Corrected Ave (3 peaks):		226.2				Corrected Ave (3 peaks):		287.0	RPD = 24	
Aroclor-1268	1	12.255	-0.007	96168	73.7	1	12.446	-0.004	75783	85.7
Aroclor-1268	2	12.330	-0.005	116000	90.9	2	12.512	-0.005	186229	205.5
Aroclor-1268	3	12.734	0.018	51081	48.8	3	12.905	-0.004	3380	10.1
Aroclor-1268	4	13.499	-0.007	29908	9.4	4	13.720	-0.007	20908	8.6
Total Col1Ave (4 peaks):		55.7				Total Col2Ave (4 peaks):		77.5	RPD = 33	

Corrected Ave (3 peaks): 44.0 Corrected Ave (3 peaks): 34.8 RPD = 23

Total PCB Area Col1 (5.936 - 13.808) = 4683520 Col1 Total PCB = 0.7 ppm*

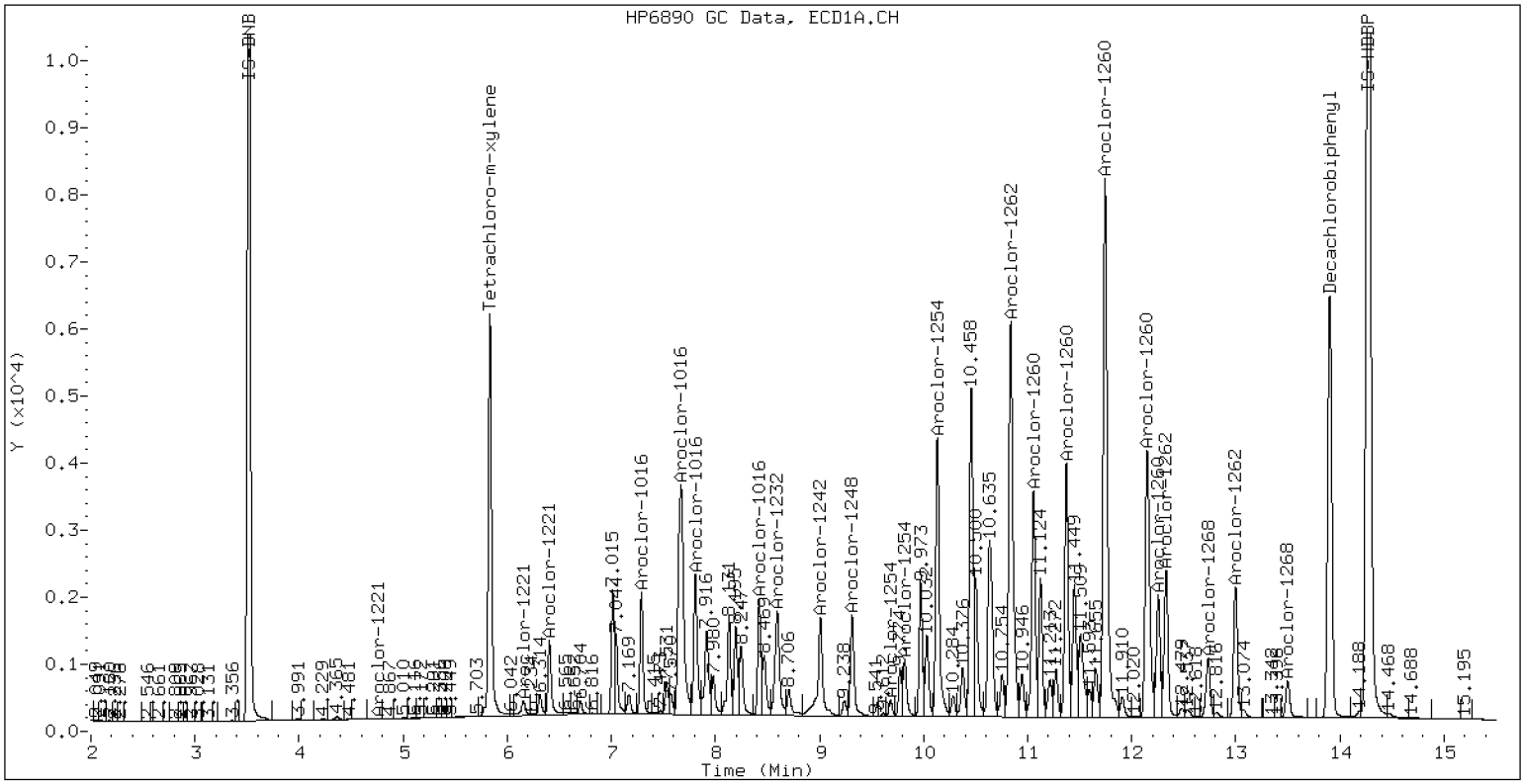
Total PCB Area Col2 (5.936 - 13.808) = 2610443 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

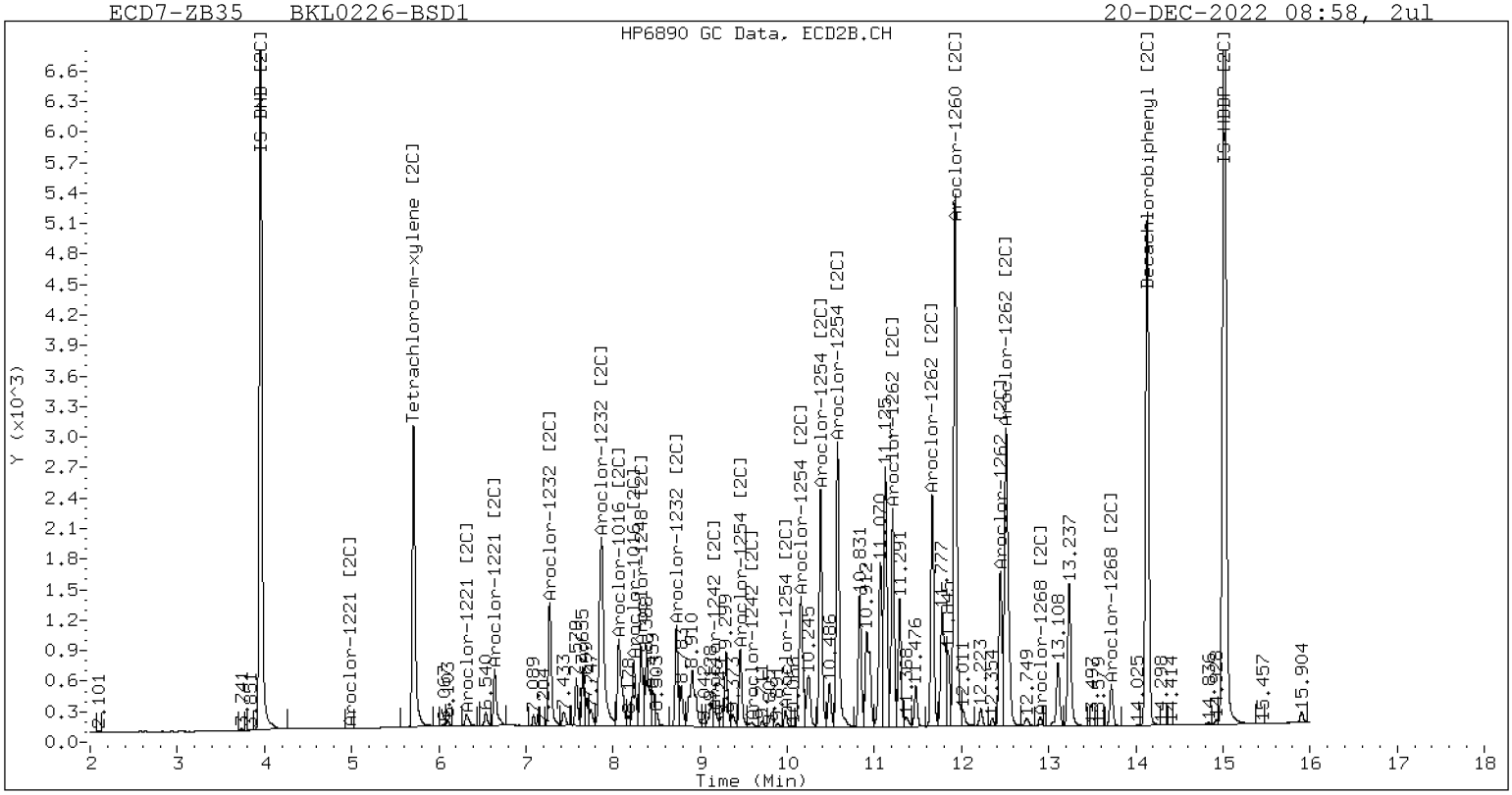
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-BSD1 20-DEC-2022 08:58, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0226-BSD1 20-DEC-2022 08:58, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 10:19
Batch:	BKL0227	Laboratory ID:	BKL0227-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	88.9		88.2	56 - 120
Aroclor 1260	101	116		115	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	89.9		89.2	1.14	30	56 - 120
Aroclor 1260	101	114		113	2.20	30	58 - 120

* Indicates values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202262ECD7.D
Data file 2: /221220.b/221220.b/12202262ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-BS1
Client ID:
Injection Date: 21-DEC-2022 10:19
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	281282	5.711	-0.002	150837	37.5	35.9	4.6	Tetrachloro-m-xylene
13.903	-0.005	339110	14.133	-0.004	272130	44.3	43.9	0.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	528630	18.1
Hexabromobiphenyl	798898	835831	4.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	306833	23.2
Hexabromobiphenyl	362541	436766	20.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.005	77245	438.1	1	7.274	-0.001	64785	413.0
Aroclor-1016	2	7.670	-0.014	256465	450.5	2	7.868	-0.002	145245	429.3
Aroclor-1016	3	7.807	-0.010	105465	408.8	3	8.068	-0.002	58178	400.4
Aroclor-1016	4	8.421	-0.009	78940	480.0	4	8.238	-0.003	34542	452.1
Total Col1Ave (4 peaks):		444.3				Total Col2Ave (4 peaks):		423.7	RPD = 5	
Corrected Ave (3 peaks):		432.4				Corrected Ave (3 peaks):		414.2	RPD = 4	
Aroclor-1221	1	4.756	-0.004	1066	24.4	1	4.990	0.002	275	10.6
Aroclor-1221	2	6.154	-0.004	10226	132.8	2	6.321	-0.000	6672	135.2
Aroclor-1221	3	6.405	-0.004	50687	285.4	3	6.643	-0.002	28026	337.4
Total Col1Ave (3 peaks):		147.5				Total Col2Ave (3 peaks):		161.1	RPD = 9	
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.756	-0.005	1066	40.5	1	4.990	0.000	275	18.4
Aroclor-1232	2	6.154	-0.005	10226	184.1	2	7.274	-0.003	64785	850.2
Aroclor-1232	3	7.670	-0.013	256465	1028.0	3	7.868	-0.008	145245	975.0
Aroclor-1232	4	8.594	-0.012	101171	955.8	4	8.729	-0.005	44220	1094.9
Total Col1Ave (4 peaks):		552.1				Total Col2Ave (4 peaks):		734.6	RPD = 28	
Corrected Ave (3 peaks):		393.5				Corrected Ave (3 peaks):		614.6	RPD = 44*	
Aroclor-1242	1	7.289	-0.005	77245	515.5	1	7.274	-0.003	64785	498.9
Aroclor-1242	2	7.670	-0.015	256465	539.1	2	7.868	-0.007	145245	526.9
Aroclor-1242	3	8.421	-0.009	78940	576.7	3	9.168	-0.010	8272	93.0
Aroclor-1242	4	9.009	-0.022	101678	357.7	4	9.593	-0.012	4418	41.3
Total Col1Ave (4 peaks):		497.3				Total Col2Ave (4 peaks):		290.0	RPD = 53*	
Corrected Ave (3 peaks):		470.8				Corrected Ave (3 peaks):		211.1	RPD = 76*	
Aroclor-1248	1	8.421	-0.007	78940	347.3	1	8.322	-0.004	42751	341.1
Aroclor-1248	2	8.594	-0.011	101171	348.6	2	8.729	-0.004	44220	335.4
Aroclor-1248	3	9.009	-0.013	101678	194.8	3	9.168	-0.010	8272	51.6
Aroclor-1248	4	9.312	0.001	84498	330.4	4	9.593	-0.010	4418	23.5
Total Col1Ave (4 peaks):		305.3				Total Col2Ave (4 peaks):		187.9	RPD = 48*	
Corrected Ave (3 peaks):		290.8				Corrected Ave (3 peaks):		136.8	RPD = 72*	
Aroclor-1254	1	9.312	-0.009	84498	181.5	1	9.461	-0.006	38328	193.7
Aroclor-1254	2	---			0.0	2	9.981	-0.006	6726	42.3
Aroclor-1254	3	9.681	-0.013	13714	46.7	3	10.159	0.020	86773	253.8
Aroclor-1254	4	9.816	-0.014	48387	84.4	4	10.383	-0.006	112514	317.8
Aroclor-1254	5	10.132	-0.057	218179	555.4	5	10.577	-0.009	150880	883.5
Total Col1Ave (4 peaks):		217.0				Total Col2Ave (5 peaks):		338.2	RPD = 44*	
Corrected Ave (3 peaks):		104.2				Corrected Ave (4 peaks):		201.9	RPD = 64*	
Aroclor-1260	1	11.056	-0.007	176928	581.5	1	11.665	-0.004	115857	502.5
Aroclor-1260	2	11.372	-0.005	187006	594.3	2	11.927	-0.005	282984	489.2
Aroclor-1260	3	11.744	-0.008	462562	559.5	3	12.447	-0.004	80585	523.1
Aroclor-1260	4	12.148	-0.011	250714	595.4	4	12.511	-0.005	194528	504.4
Aroclor-1260	5	12.256	-0.006	99263	575.9	NS	---			----
Total Col1Ave (5 peaks):		581.3				Total Col2Ave (4 peaks):		504.8	RPD = 14	
Corrected Ave (4 peaks):		577.8				Corrected Ave (3 peaks):		498.7	RPD = 15	
Aroclor-1262	1	10.836	-0.012	352217	1260.1	1	11.211	-0.006	106781	321.5
Aroclor-1262	2	12.256	-0.007	99263	228.4	2	11.665	-0.005	115857	402.8
Aroclor-1262	3	12.329	-0.007	118858	256.1	3	12.447	-0.004	80585	254.0
Aroclor-1262	4	12.997	-0.008	106558	286.1	4	12.511	-0.008	194528	391.4
Total Col1Ave (4 peaks):		507.7				Total Col2Ave (4 peaks):		342.4	RPD = 39	
Corrected Ave (3 peaks):		256.9				Corrected Ave (3 peaks):		322.3	RPD = 23	
Aroclor-1268	1	12.256	-0.007	99263	84.9	1	12.447	-0.002	80585	97.7
Aroclor-1268	2	12.329	-0.006	118858	103.9	2	12.511	-0.006	194528	230.1
Aroclor-1268	3	12.734	0.018	51994	55.5	3	12.906	-0.004	3440	11.0
Aroclor-1268	4	13.498	-0.007	30215	10.6	4	13.719	-0.007	21261	9.4
Total Col1Ave (4 peaks):		63.7				Total Col2Ave (4 peaks):		87.1	RPD = 31	

Corrected Ave (3 peaks): 50.3 Corrected Ave (3 peaks): 39.4 RPD = 24

Total PCB Area Col1 (5.936 - 13.808) = 4897691 Col1 Total PCB = 1.0 ppm*

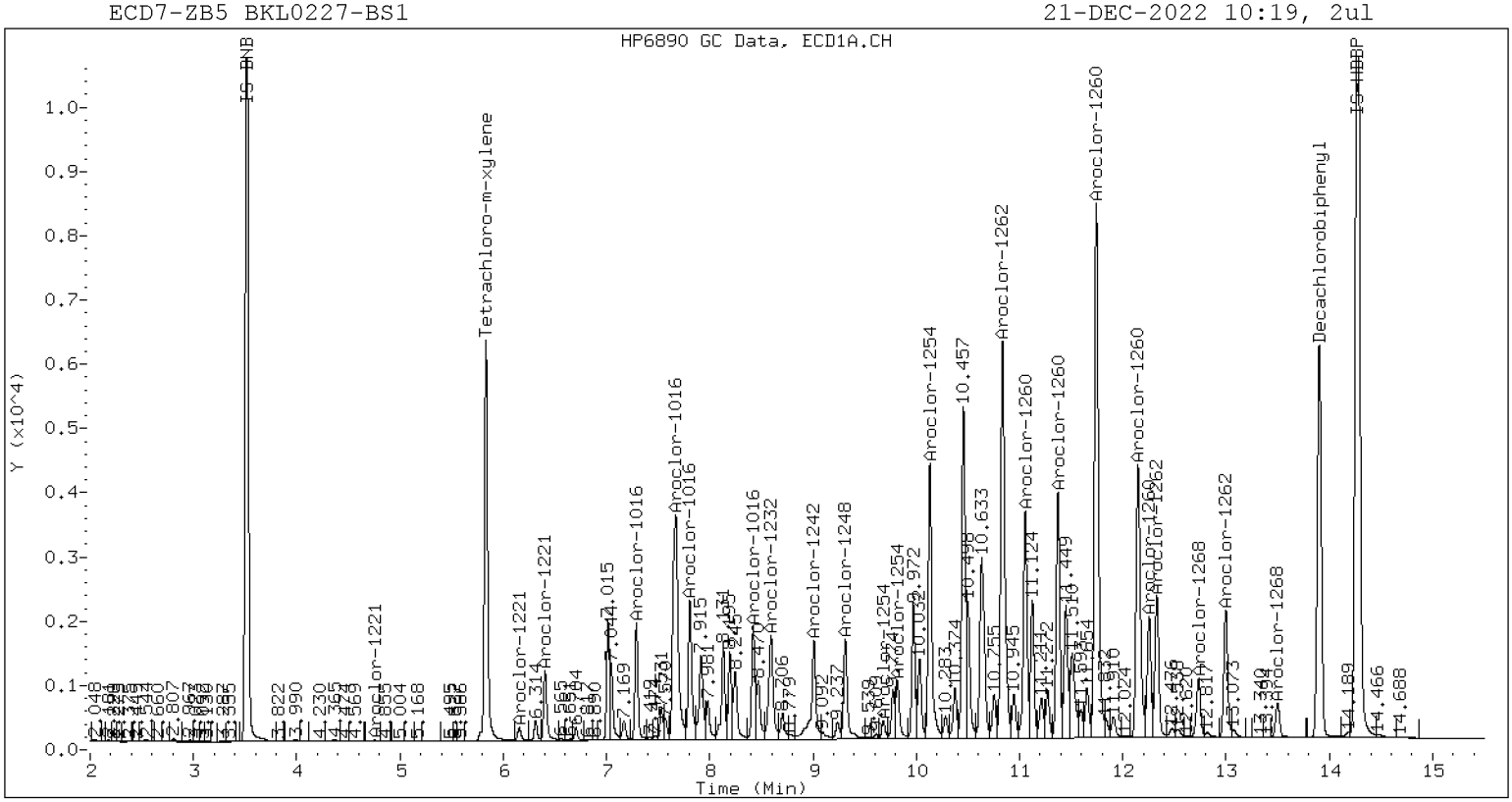
Total PCB Area Col2 (5.813 - 14.037) = 2704355 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

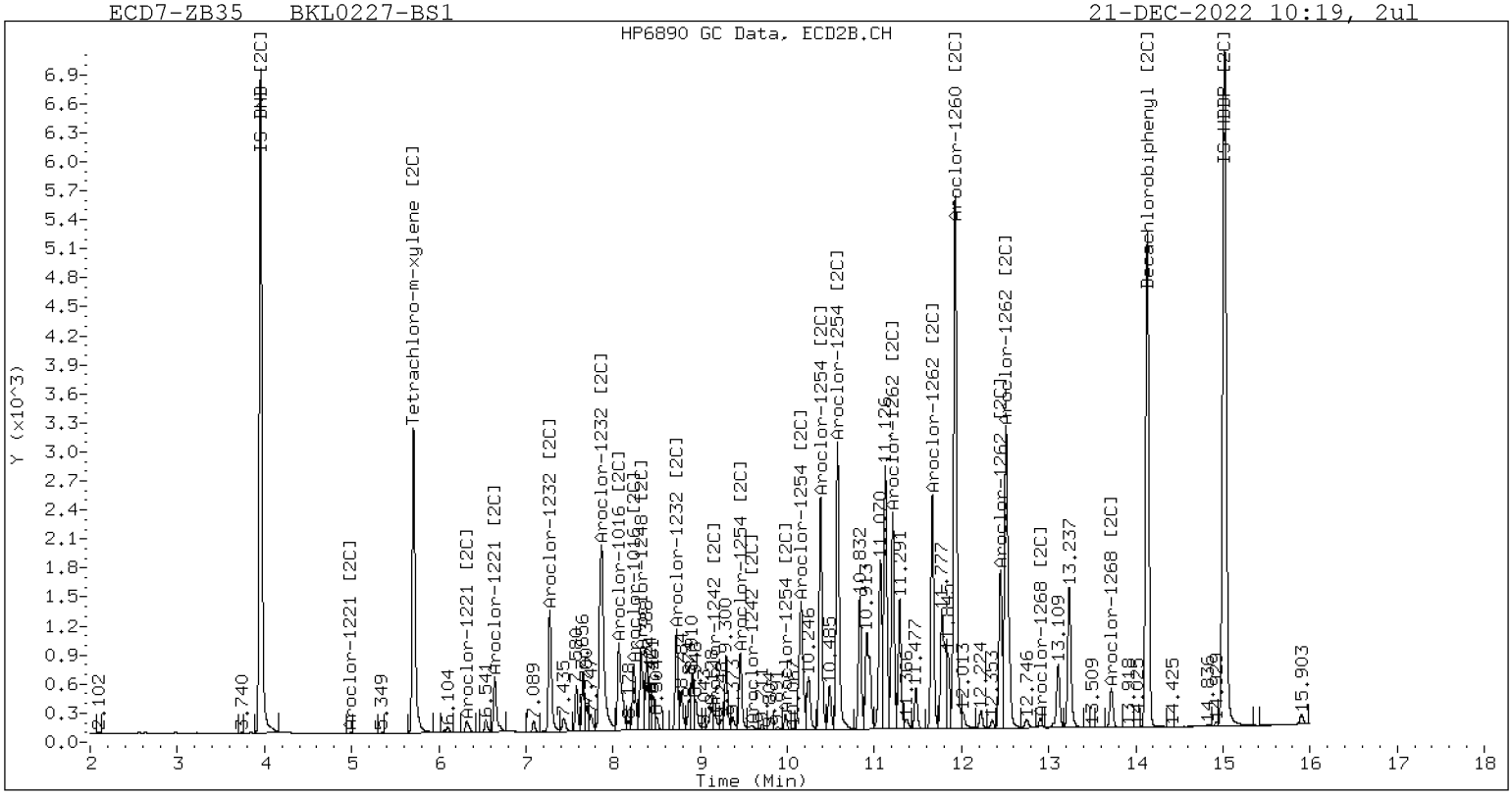
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-BS1 21-DEC-2022 10:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-BS1 21-DEC-2022 10:19, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202263ECD7.D
Data file 2: /221220.b/221220.b/12202263ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-BSD1
Client ID:
Injection Date: 21-DEC-2022 10:40
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.004	281691	5.710	-0.003	151654	37.1	35.0	5.8	Tetrachloro-m-xylene
13.904	-0.004	340627	14.132	-0.005	269459	42.9	41.7	2.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	536258	19.8
Hexabromobiphenyl	798898	866222	8.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	316250	27.0
Hexabromobiphenyl	362541	455000	25.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.006	80174	448.2	1	7.273	-0.002	65391	404.4
Aroclor-1016	2	7.670	-0.014	263456	456.2	2	7.867	-0.003	148638	426.2
Aroclor-1016	3	7.806	-0.011	107866	412.2	3	8.068	-0.002	59378	396.5
Aroclor-1016	4	8.421	-0.009	80281	481.2	4	8.238	-0.003	35359	449.0
Total Col1Ave (4 peaks):		449.4				Total Col2Ave (4 peaks):			419.0	RPD = 7
Corrected Ave (3 peaks):		438.8				Corrected Ave (3 peaks):			409.0	RPD = 7
Aroclor-1221	1	4.762	0.002	489	11.0	1	4.976	-0.011	785	29.4
Aroclor-1221	2	6.154	-0.005	10407	133.3	2	6.321	-0.001	7522	147.9
Aroclor-1221	3	6.404	-0.005	51848	287.8	3	6.643	-0.003	28435	332.2
Total Col1Ave (3 peaks):		144.0				Total Col2Ave (3 peaks):			169.8	RPD = 16
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.762	0.001	489	18.3	1	4.976	-0.013	785	51.0
Aroclor-1232	2	6.154	-0.006	10407	184.7	2	7.273	-0.004	65391	832.6
Aroclor-1232	3	7.670	-0.013	263456	1041.0	3	7.867	-0.009	148638	968.1
Aroclor-1232	4	8.593	-0.012	102946	958.7	4	8.728	-0.006	44684	1073.4
Total Col1Ave (4 peaks):		550.7				Total Col2Ave (4 peaks):			731.3	RPD = 28
Corrected Ave (3 peaks):		387.2				Corrected Ave (3 peaks):			617.3	RPD = 46*
Aroclor-1242	1	7.289	-0.006	80174	527.5	1	7.273	-0.004	65391	488.6
Aroclor-1242	2	7.670	-0.015	263456	545.9	2	7.867	-0.007	148638	523.1
Aroclor-1242	3	8.421	-0.009	80281	578.2	3	9.168	-0.010	7859	85.7
Aroclor-1242	4	9.009	-0.022	104214	361.4	4	9.593	-0.013	4275	38.8
Total Col1Ave (4 peaks):		503.2				Total Col2Ave (4 peaks):			284.1	RPD = 56*
Corrected Ave (3 peaks):		478.3				Corrected Ave (3 peaks):			204.4	RPD = 80*
Aroclor-1248	1	8.421	-0.007	80281	348.2	1	8.322	-0.004	43262	334.9
Aroclor-1248	2	8.593	-0.011	102946	349.7	2	8.728	-0.004	44684	328.8
Aroclor-1248	3	9.009	-0.013	104214	196.8	3	9.168	-0.009	7859	47.5
Aroclor-1248	4	9.313	0.002	85039	327.8	4	9.593	-0.010	4275	22.0
Total Col1Ave (4 peaks):		305.6				Total Col2Ave (4 peaks):			183.3	RPD = 50*
Corrected Ave (3 peaks):		290.9				Corrected Ave (3 peaks):			132.8	RPD = 75*
Aroclor-1254	1	9.313	-0.008	85039	180.1	1	9.462	-0.005	38437	188.5
Aroclor-1254	2	---			0.0	2	9.981	-0.006	7293	44.5
Aroclor-1254	3	9.682	-0.013	13877	46.5	3	10.158	0.019	86997	246.9
Aroclor-1254	4	9.816	-0.014	48732	83.8	4	10.383	-0.006	112342	307.8
Aroclor-1254	5	10.133	-0.056	218473	548.3	5	10.578	-0.008	151224	859.2
Total Col1Ave (4 peaks):		214.7				Total Col2Ave (5 peaks):			329.4	RPD = 42*
Corrected Ave (3 peaks):		103.5				Corrected Ave (4 peaks):			196.9	RPD = 62*
Aroclor-1260	1	11.055	-0.007	178727	566.8	1	11.665	-0.004	116530	485.2
Aroclor-1260	2	11.372	-0.005	189325	580.6	2	11.927	-0.005	285792	474.2
Aroclor-1260	3	11.743	-0.008	469338	547.7	3	12.447	-0.004	81164	505.7
Aroclor-1260	4	12.148	-0.010	255064	584.5	4	12.512	-0.005	196279	488.6
Aroclor-1260	5	12.255	-0.006	100688	563.7	NS	---			----
Total Col1Ave (5 peaks):		568.7				Total Col2Ave (4 peaks):			488.4	RPD = 15
Corrected Ave (4 peaks):		564.7				Corrected Ave (3 peaks):			482.7	RPD = 16
Aroclor-1262	1	10.835	-0.013	355091	1225.8	1	11.212	-0.005	106966	309.2
Aroclor-1262	2	12.255	-0.007	100688	223.6	2	11.665	-0.005	116530	388.9
Aroclor-1262	3	12.330	-0.006	121953	253.6	3	12.447	-0.004	81164	245.6
Aroclor-1262	4	12.996	-0.009	109940	284.8	4	12.512	-0.007	196279	379.1
Total Col1Ave (4 peaks):		496.9				Total Col2Ave (4 peaks):			330.7	RPD = 40*
Corrected Ave (3 peaks):		254.0				Corrected Ave (3 peaks):			311.3	RPD = 20
Aroclor-1268	1	12.255	-0.007	100688	83.1	1	12.447	-0.002	81164	94.5
Aroclor-1268	2	12.330	-0.005	121953	102.9	2	12.512	-0.005	196279	222.9
Aroclor-1268	3	12.734	0.018	54121	55.7	3	12.905	-0.005	3442	10.5
Aroclor-1268	4	13.499	-0.006	31701	10.7	4	13.721	-0.005	21731	9.2
Total Col1Ave (4 peaks):		63.1				Total Col2Ave (4 peaks):			84.3	RPD = 29

Corrected Ave (3 peaks): 49.8 Corrected Ave (3 peaks): 38.1 RPD = 27

Total PCB Area Col1 (5.936 - 13.808) = 4988345 Col1 Total PCB = 1.0 ppm*

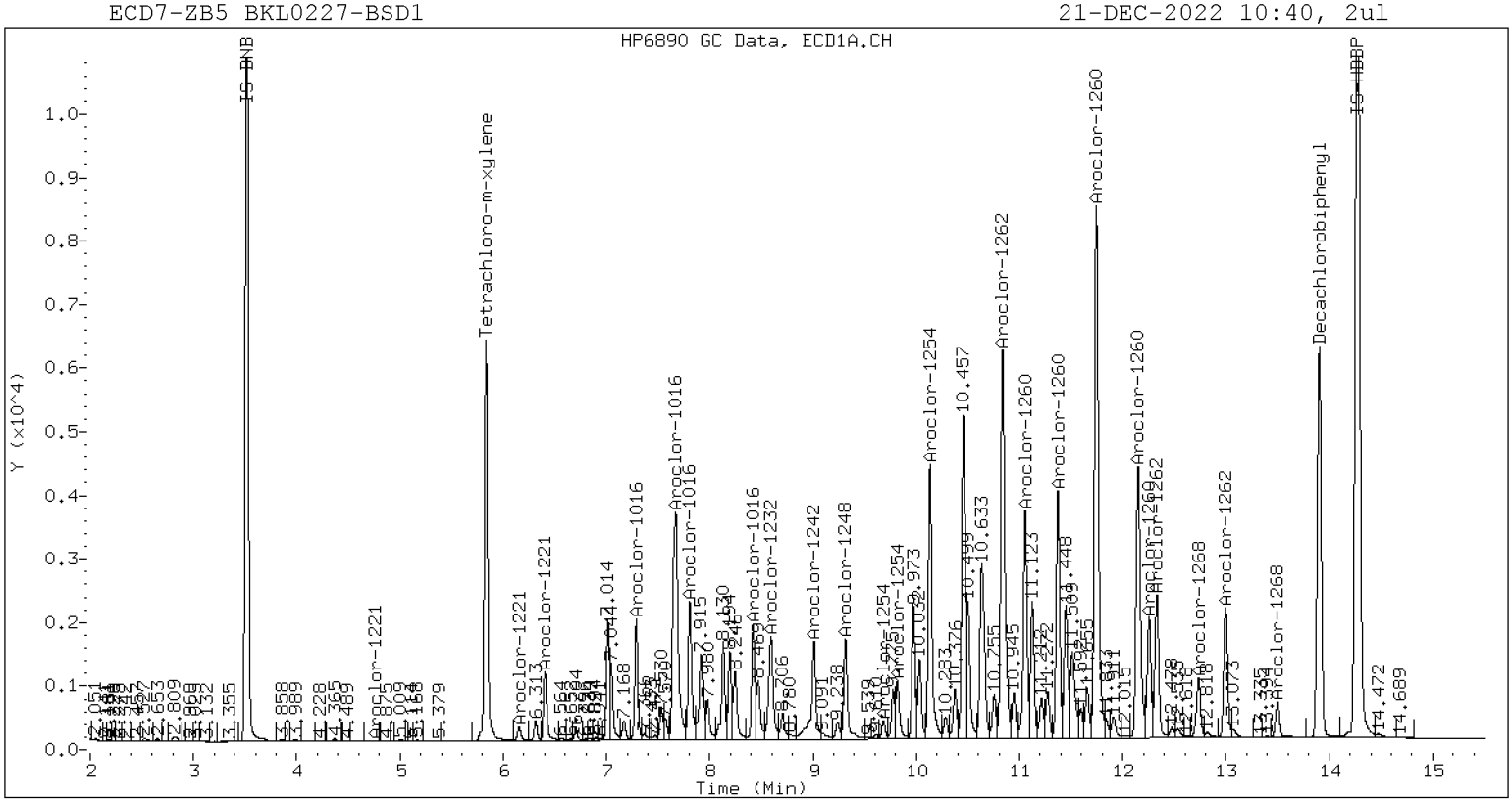
Total PCB Area Col2 (5.813 - 14.037) = 2731237 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

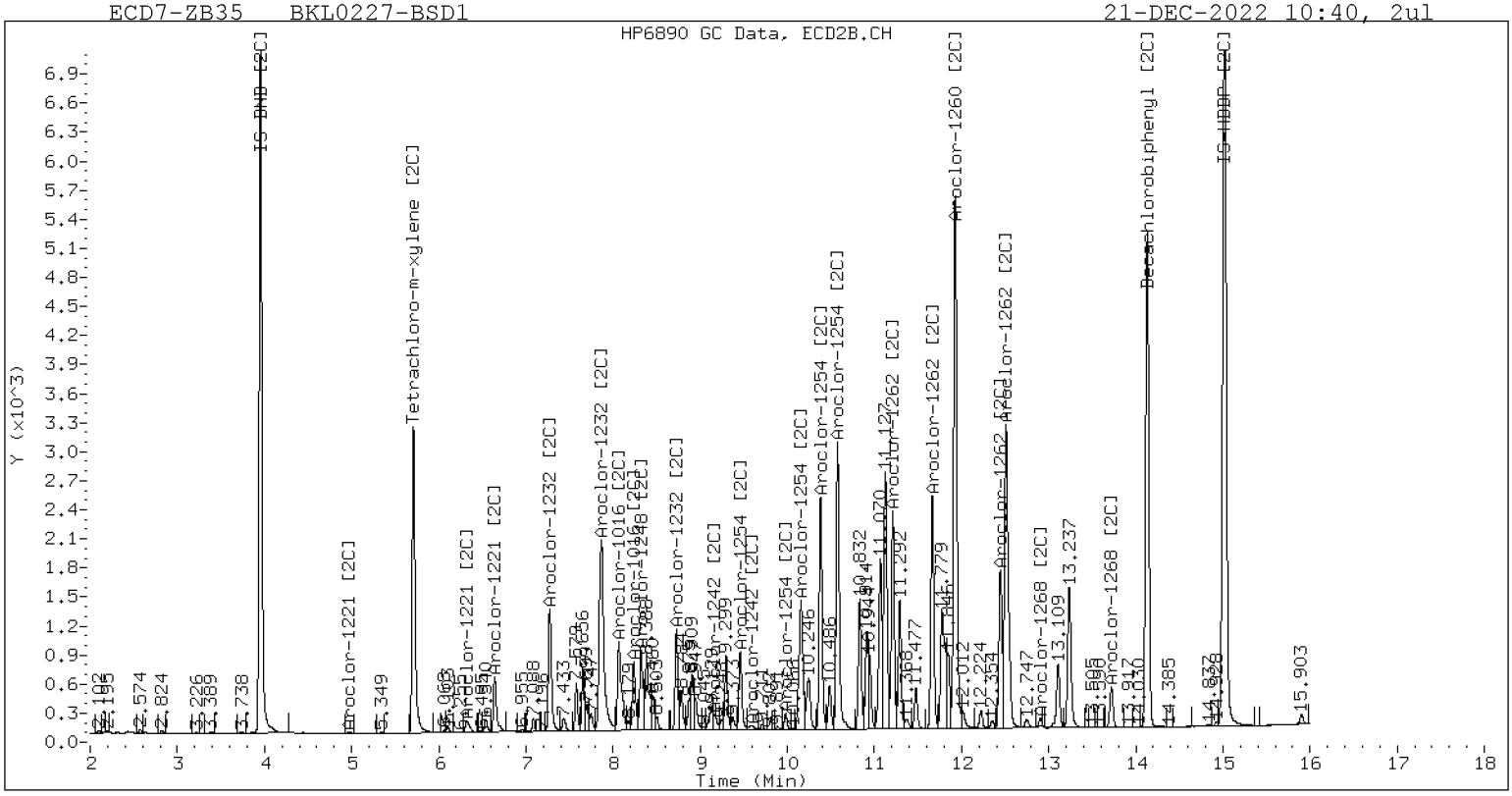
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-BSD1 21-DEC-2022 10:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-BSD1 21-DEC-2022 10:40, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 04:19
Batch:	BKL0282	Laboratory ID:	BKL0282-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	80.2		79.6	56 - 120
Aroclor 1260	101	105		105	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	81.5		80.8	1.55	30	56 - 120
Aroclor 1260	101	109		108	3.25	30	58 - 120

* Indicates values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202245ECD7.D
Data file 2: /221220.b/221220.b/12202245ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-BS1
Client ID:
Injection Date: 21-DEC-2022 04:19
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	248289	5.712	-0.002	134730	32.8	31.2	5.0	Tetrachloro-m-xylene
13.903	-0.005	253884	14.132	-0.005	205951	40.1	36.9	8.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	534216	19.3
Hexabromobiphenyl	798898	690338	-13.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	315125	26.5
Hexabromobiphenyl	362541	392939	8.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	7.289	-0.005	75833	425.5	1	7.274	-0.001	58020	360.1
Aroclor-1016	2	7.669	-0.015	233888	406.5	2	7.868	-0.003	131333	378.0
Aroclor-1016	3	7.807	-0.010	94081	360.9	3	8.067	-0.003	52234	350.0
Aroclor-1016	4	8.421	-0.009	68386	411.5	4	8.238	-0.003	31093	396.2
Total Col1Ave (4 peaks):					401.1	Total Col2Ave (4 peaks):				371.1 RPD = 8
Corrected Ave (3 peaks):					392.9	Corrected Ave (3 peaks):				362.7 RPD = 8
Aroclor-1221	1	4.761	0.001	504	11.4	1	4.991	0.004	211	7.9
Aroclor-1221	2	6.155	-0.004	9033	116.1	2	6.321	-0.000	7569	149.3
Aroclor-1221	3	6.405	-0.003	44875	250.0	3	6.643	-0.002	25031	293.5
Total Col1Ave (3 peaks):					125.9	Total Col2Ave (3 peaks):				150.2 RPD = 18
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.761	0.000	504	19.0	1	4.991	0.002	211	13.8
Aroclor-1232	2	6.155	-0.005	9033	160.9	2	7.274	-0.003	58020	741.4
Aroclor-1232	3	7.669	-0.014	233888	927.7	3	7.868	-0.009	131333	858.5
Aroclor-1232	4	8.593	-0.012	87727	820.1	4	8.729	-0.005	38962	939.3
Total Col1Ave (4 peaks):					481.9	Total Col2Ave (4 peaks):				638.2 RPD = 28
Corrected Ave (3 peaks):					333.3	Corrected Ave (3 peaks):				537.9 RPD = 47*
Aroclor-1242	1	7.289	-0.006	75833	500.8	1	7.274	-0.003	58020	435.0
Aroclor-1242	2	7.669	-0.016	233888	486.5	2	7.868	-0.007	131333	463.9
Aroclor-1242	3	8.421	-0.009	68386	494.4	3	9.168	-0.010	6919	75.7
Aroclor-1242	4	9.009	-0.022	77926	271.3	4	9.591	-0.014	3657	33.3
Total Col1Ave (4 peaks):					438.2	Total Col2Ave (4 peaks):				252.0 RPD = 54*
Corrected Ave (3 peaks):					417.4	Corrected Ave (3 peaks):				181.4 RPD = 79*
Aroclor-1248	1	8.421	-0.007	68386	297.7	1	8.322	-0.004	38062	295.7
Aroclor-1248	2	8.593	-0.011	87727	299.1	2	8.729	-0.004	38962	287.8
Aroclor-1248	3	9.009	-0.013	77926	147.7	3	9.168	-0.010	6919	42.0
Aroclor-1248	4	9.314	0.003	72125	279.1	4	9.591	-0.011	3657	18.9
Total Col1Ave (4 peaks):					255.9	Total Col2Ave (4 peaks):				161.1 RPD = 45*
Corrected Ave (3 peaks):					241.5	Corrected Ave (3 peaks):				116.2 RPD = 70*
Aroclor-1254	1	9.314	-0.007	72125	153.3	1	9.462	-0.005	32669	160.8
Aroclor-1254	2	---			0.0	2	9.981	-0.006	6281	38.5
Aroclor-1254	3	9.681	-0.014	12060	40.6	3	10.159	0.019	73244	208.6
Aroclor-1254	4	9.817	-0.013	39927	68.9	4	10.383	-0.006	93617	257.5
Aroclor-1254	5	10.132	-0.057	175897	443.1	5	10.578	-0.008	124603	710.5
Total Col1Ave (4 peaks):					176.5	Total Col2Ave (5 peaks):				275.2 RPD = 44*
Corrected Ave (3 peaks):					87.6	Corrected Ave (4 peaks):				166.3 RPD = 62*
Aroclor-1260	1	11.055	-0.007	134355	534.7	1	11.665	-0.004	91927	443.2
Aroclor-1260	2	11.372	-0.005	138528	533.0	2	11.928	-0.005	223849	430.1
Aroclor-1260	3	11.743	-0.009	353934	518.3	3	12.447	-0.005	62787	453.0
Aroclor-1260	4	12.146	-0.012	185941	534.7	4	12.512	-0.005	150893	434.9
Aroclor-1260	5	12.255	-0.007	73125	513.7	NS	---			----
Total Col1Ave (5 peaks):					526.9	Total Col2Ave (4 peaks):				440.3 RPD = 18
Corrected Ave (4 peaks):					524.9	Corrected Ave (3 peaks):				436.1 RPD = 18
Aroclor-1262	1	10.836	-0.012	272349	1179.7	1	11.212	-0.006	85963	287.7
Aroclor-1262	2	12.255	-0.008	73125	203.7	2	11.665	-0.005	91927	355.2
Aroclor-1262	3	12.329	-0.008	87878	229.3	3	12.447	-0.005	62787	220.0
Aroclor-1262	4	12.996	-0.009	80264	260.9	4	12.512	-0.007	150893	337.5
Total Col1Ave (4 peaks):					468.4	Total Col2Ave (4 peaks):				300.1 RPD = 44*
Corrected Ave (3 peaks):					231.3	Corrected Ave (3 peaks):				281.7 RPD = 20
Aroclor-1268	1	12.255	-0.008	73125	75.7	1	12.447	-0.003	62787	84.6
Aroclor-1268	2	12.329	-0.006	87878	93.0	2	12.512	-0.005	150893	198.4
Aroclor-1268	3	12.733	0.017	39163	50.6	3	12.905	-0.005	2593	9.2
Aroclor-1268	4	13.496	-0.009	22331	9.4	4	13.720	-0.006	16188	8.0
Total Col1Ave (4 peaks):					57.2	Total Col2Ave (4 peaks):				75.1 RPD = 27

Corrected Ave (3 peaks): 45.2 Corrected Ave (3 peaks): 33.9 RPD = 29

Total PCB Area Col1 (5.936 - 13.808) = 3981036 Col1 Total PCB = 0.8 ppm*

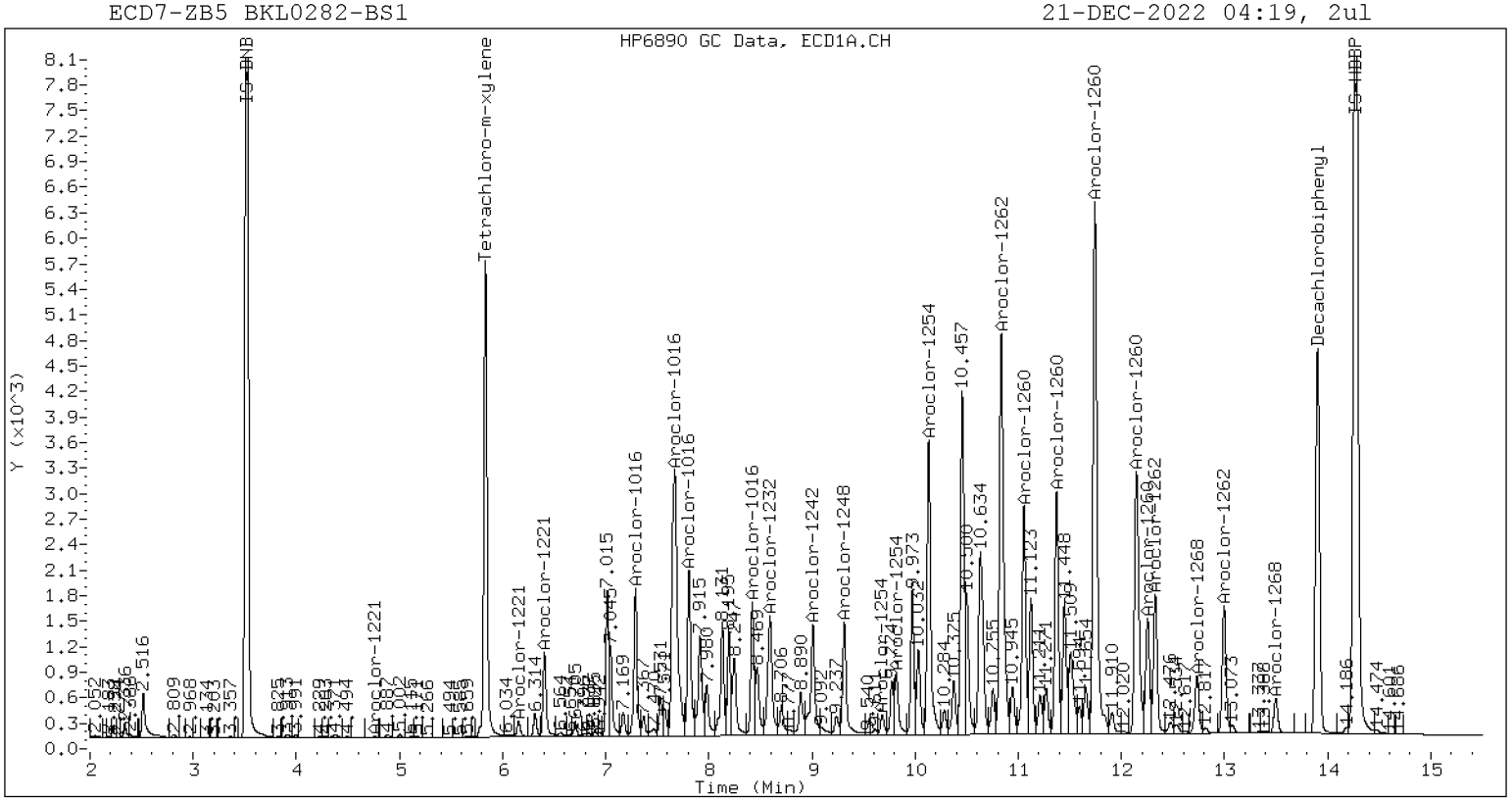
Total PCB Area Col2 (5.813 - 14.037) = 2259520 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

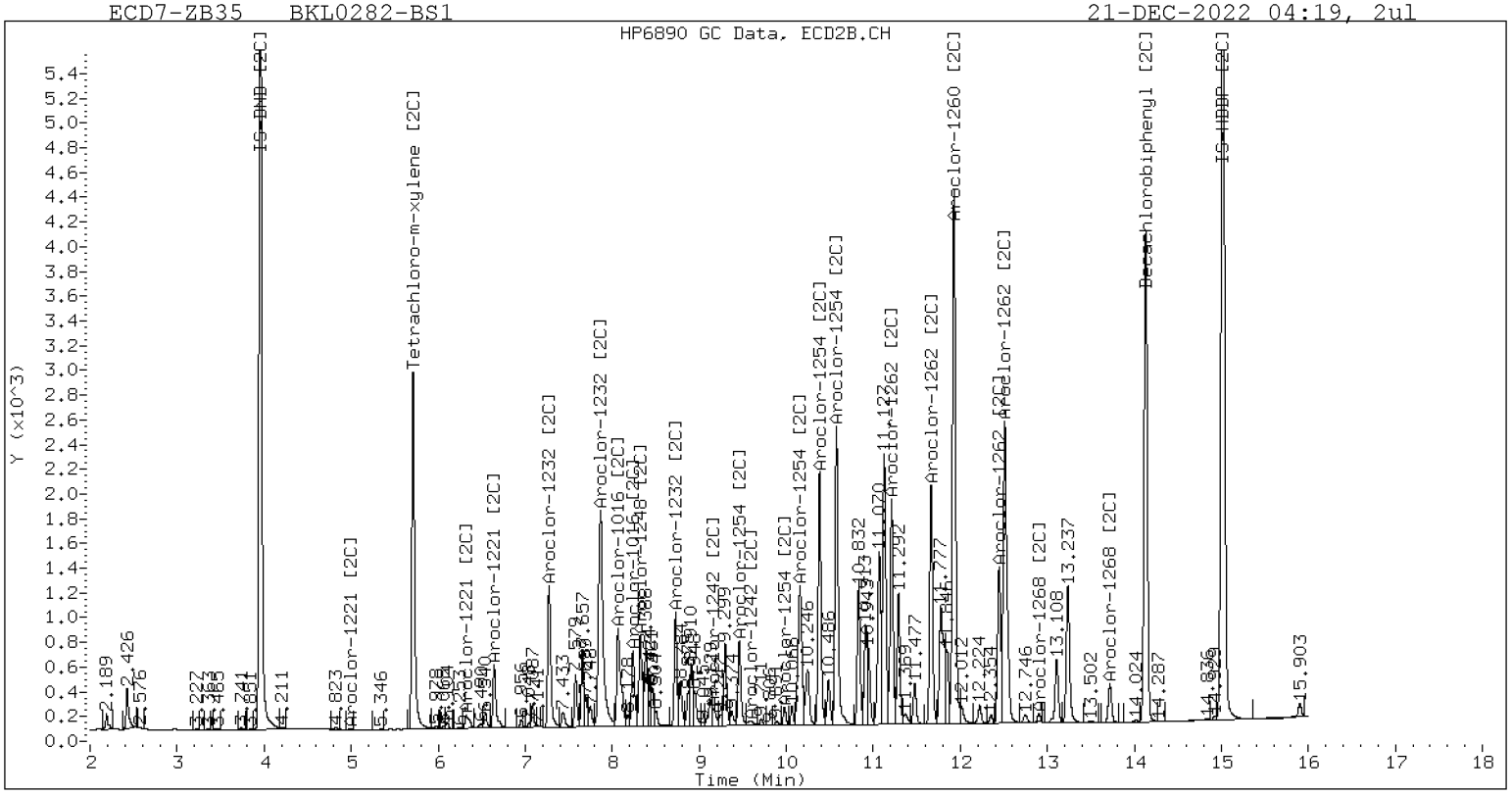
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-BS1 21-DEC-2022 04:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0282-BS1 21-DEC-2022 04:19, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202246ECD7.D
Data file 2: /221220.b/221220.b/12202246ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-BSD1
Client ID:
Injection Date: 21-DEC-2022 04:40
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	254827	5.711	-0.003	139010	33.6	32.2	4.5	Tetrachloro-m-xylene
13.902	-0.005	281393	14.131	-0.006	222230	42.1	38.7	8.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	534580	19.4
Hexabromobiphenyl	798898	729438	-8.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	315322	26.6
Hexabromobiphenyl	362541	404149	11.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.005	72112	404.4	1	7.274	-0.001	60157	373.1
Aroclor-1016	2	7.670	-0.015	238676	414.6	2	7.868	-0.003	136273	391.9
Aroclor-1016	3	7.807	-0.011	97343	373.1	3	8.067	-0.003	54174	362.8
Aroclor-1016	4	8.421	-0.008	72732	437.3	4	8.237	-0.004	36290	462.2
	Total Col1Ave (4 peaks):				407.3		Total Col2Ave (4 peaks):			397.5 RPD = 2
	Corrected Ave (3 peaks):				397.4		Corrected Ave (3 peaks):			376.0 RPD = 6
Aroclor-1221	1	4.761	0.001	599	13.6	1	4.971	-0.016	2596	97.6
Aroclor-1221	2	6.155	-0.004	9690	124.5	2	6.321	-0.001	6843	134.9
Aroclor-1221	3	6.405	-0.004	47055	262.0	3	6.643	-0.003	26796	313.9
	Total Col1Ave (3 peaks):				133.3		Total Col2Ave (3 peaks):			182.1 RPD = 31
	Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks			
Aroclor-1232	1	4.761	-0.000	599	22.5	1	4.971	-0.018	2596	169.3
Aroclor-1232	2	6.155	-0.005	9690	172.5	2	7.274	-0.003	60157	768.2
Aroclor-1232	3	7.670	-0.014	238676	946.0	3	7.868	-0.009	136273	890.2
Aroclor-1232	4	8.594	-0.012	93206	870.8	4	8.728	-0.006	40799	983.0
	Total Col1Ave (4 peaks):				503.0		Total Col2Ave (4 peaks):			702.7 RPD = 33
	Corrected Ave (3 peaks):				355.3		Corrected Ave (3 peaks):			609.2 RPD = 53*
Aroclor-1242	1	7.289	-0.006	72112	475.9	1	7.274	-0.003	60157	450.8
Aroclor-1242	2	7.670	-0.015	238676	496.1	2	7.868	-0.007	136273	481.0
Aroclor-1242	3	8.421	-0.009	72732	525.4	3	9.168	-0.010	7198	78.8
Aroclor-1242	4	9.009	-0.022	86008	299.2	4	9.594	-0.011	4080	37.1
	Total Col1Ave (4 peaks):				449.2		Total Col2Ave (4 peaks):			261.9 RPD = 53*
	Corrected Ave (3 peaks):				423.8		Corrected Ave (3 peaks):			188.9 RPD = 77*
Aroclor-1248	1	8.421	-0.006	72732	316.4	1	8.322	-0.004	39680	308.0
Aroclor-1248	2	8.594	-0.010	93206	317.6	2	8.728	-0.005	40799	301.1
Aroclor-1248	3	9.009	-0.013	86008	162.9	3	9.168	-0.009	7198	43.7
Aroclor-1248	4	9.314	0.003	77321	299.0	4	9.594	-0.008	4080	21.1
	Total Col1Ave (4 peaks):				274.0		Total Col2Ave (4 peaks):			168.5 RPD = 48*
	Corrected Ave (3 peaks):				259.4		Corrected Ave (3 peaks):			122.0 RPD = 72*
Aroclor-1254	1	9.314	-0.007	77321	164.3	1	9.462	-0.005	34701	170.7
Aroclor-1254	2	---			0.0	2	9.982	-0.005	7427	45.4
Aroclor-1254	3	9.681	-0.013	14084	47.4	3	10.159	0.020	80561	229.3
Aroclor-1254	4	9.818	-0.013	42863	74.0	4	10.383	-0.006	100117	275.2
Aroclor-1254	5	10.133	-0.056	190927	480.7	5	10.578	-0.009	133671	761.7
	Total Col1Ave (4 peaks):				191.6		Total Col2Ave (5 peaks):			296.5 RPD = 43*
	Corrected Ave (3 peaks):				95.2		Corrected Ave (4 peaks):			180.1 RPD = 62*
Aroclor-1260	1	11.056	-0.006	146893	553.2	1	11.665	-0.004	100873	472.8
Aroclor-1260	2	11.373	-0.005	151265	550.8	2	11.928	-0.005	245550	458.7
Aroclor-1260	3	11.743	-0.008	384885	533.4	3	12.447	-0.004	69164	485.2
Aroclor-1260	4	12.148	-0.011	202387	550.8	4	12.512	-0.005	165645	464.2
Aroclor-1260	5	12.255	-0.006	80203	533.2	NS	---			----
	Total Col1Ave (5 peaks):				544.3		Total Col2Ave (4 peaks):			470.2 RPD = 15
	Corrected Ave (4 peaks):				542.0		Corrected Ave (3 peaks):			465.2 RPD = 15
Aroclor-1262	1	10.836	-0.012	298035	1221.8	1	11.212	-0.006	93678	304.8
Aroclor-1262	2	12.255	-0.007	80203	211.5	2	11.665	-0.005	100873	379.0
Aroclor-1262	3	12.329	-0.007	96371	237.9	3	12.447	-0.004	69164	235.6
Aroclor-1262	4	12.997	-0.008	89638	275.8	4	12.512	-0.008	165645	360.2
	Total Col1Ave (4 peaks):				486.7		Total Col2Ave (4 peaks):			319.9 RPD = 41*
	Corrected Ave (3 peaks):				241.7		Corrected Ave (3 peaks):			300.2 RPD = 22
Aroclor-1268	1	12.255	-0.007	80203	78.6	1	12.447	-0.002	69164	90.7
Aroclor-1268	2	12.329	-0.006	96371	96.5	2	12.512	-0.005	165645	211.8
Aroclor-1268	3	12.735	0.019	43109	52.7	3	12.906	-0.004	2953	10.2
Aroclor-1268	4	13.498	-0.008	25823	10.3	4	13.721	-0.006	17983	8.6
	Total Col1Ave (4 peaks):				59.5		Total Col2Ave (4 peaks):			80.3 RPD = 30

Corrected Ave (3 peaks): 47.2 Corrected Ave (3 peaks): 36.5 RPD = 26

Total PCB Area Col1 (5.936 - 13.808) = 4606267 Col1 Total PCB = 0.9 ppm*

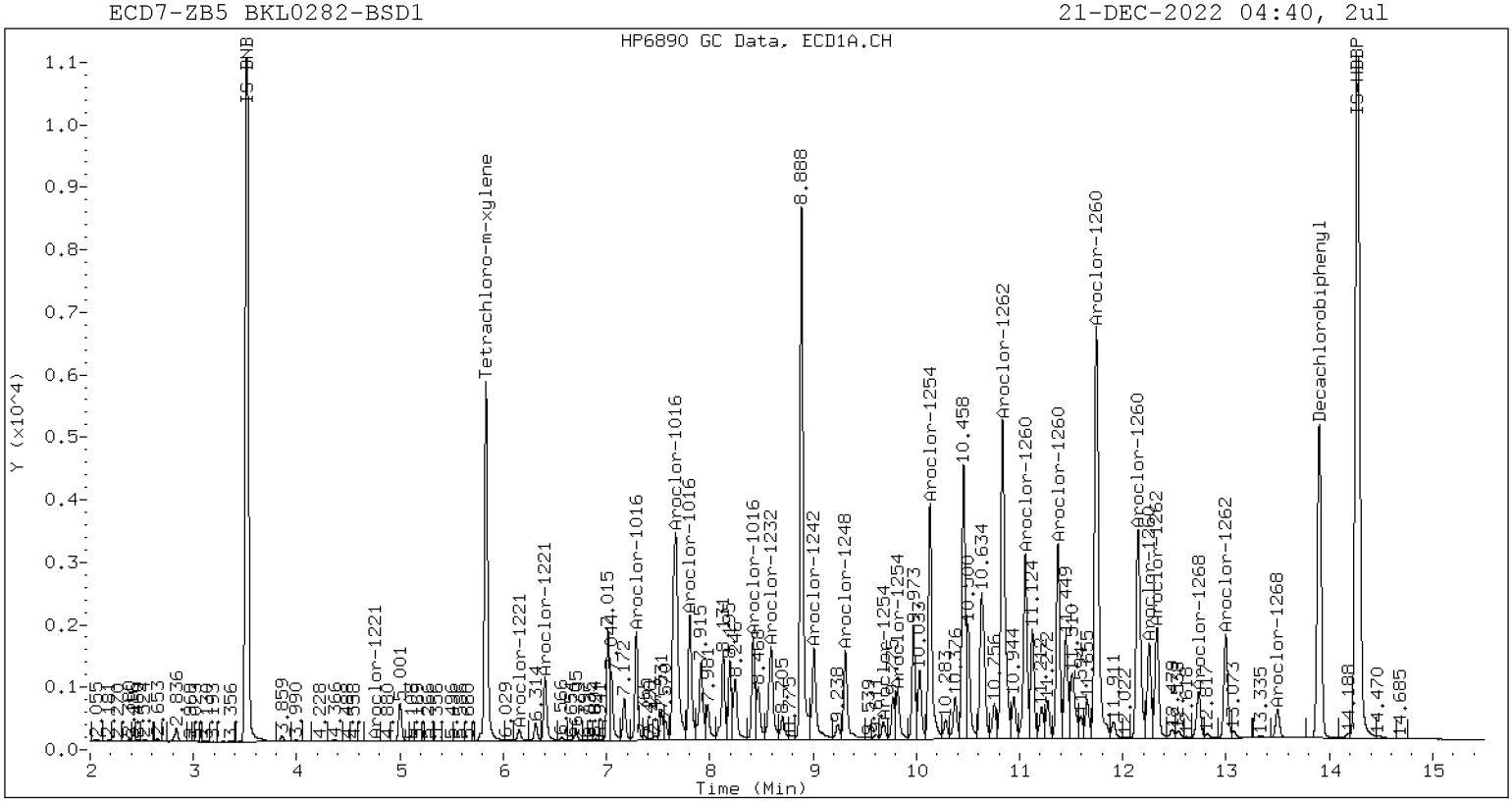
Total PCB Area Col2 (5.813 - 14.037) = 2523831 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

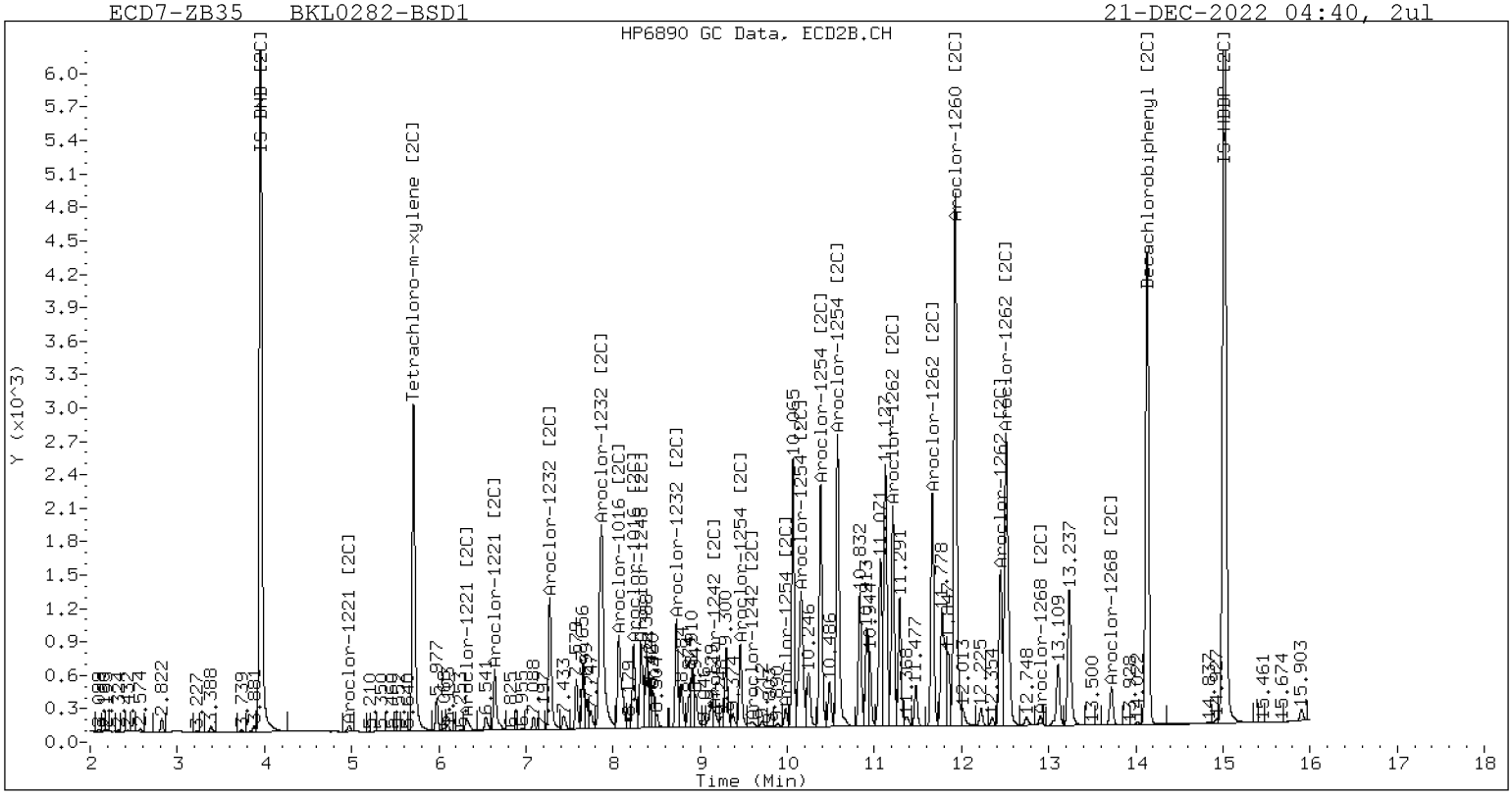
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-BSD1 21-DEC-2022 04:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0282-BSD1 21-DEC-2022 04:40, 2ul



ZB-35 Manual Integration: NO

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/22/22 05:32
Batch:	BKL0197	Laboratory ID:	BKL0197-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	15.56 g / 2.5 mL	Source Sample:	LDW22-IT816

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	101	ND	U	67.7		67.0	56 - 120
Aroclor 1260 [2C]	101	20.8		82.3		61.1	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/22/22 05:53
Batch:	BKL0197	Laboratory ID:	BKL0197-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	15.56 g / 2.5 mL	Source Sample:	LDW22-IT816

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	101	71.9		71.2	5.98	30	56 - 120
Aroclor 1260 [2C]	101	89.7		68.4	8.57	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212240ECD7.D
Data file 2: /221221.b/221221.b/12212240ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-MS1
Client ID:
Injection Date: 22-DEC-2022 05:32
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	222482	5.709	-0.001	122515	28.4	28.7	1.1	Tetrachloro-m-xylene
13.899	-0.005	295129	14.130	-0.002	210279	36.7	31.3	16.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	553731	23.7
Hexabromobiphenyl	798898	876975	9.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	311889	25.2
Hexabromobiphenyl	362541	473902	30.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.288	-0.003	63263	342.5	1	7.271	-0.003	48985	307.2
Aroclor-1016	2	7.665	-0.012	206999	347.1	2	7.864	-0.008	110155	320.3
Aroclor-1016	3	7.803	-0.009	79892	295.6	3	8.063	-0.007	44832	303.5
Aroclor-1016	4	8.417	-0.006	63757	370.1	4	8.234	-0.009	27437	353.3
	Total Col1Ave (4 peaks):				338.8		Total Col2Ave (4 peaks):			321.1 RPD = 5
	Corrected Ave (3 peaks):				328.4		Corrected Ave (3 peaks):			310.3 RPD = 6
Aroclor-1221	1	4.752	-0.008	787	17.2	1	4.972	-0.015	2478	94.1
Aroclor-1221	2	6.153	-0.006	8715	108.1	2	6.321	-0.001	7583	151.2
Aroclor-1221	3	6.403	-0.006	44264	237.9	3	6.642	-0.003	26791	317.3
	Total Col1Ave (3 peaks):				121.1		Total Col2Ave (3 peaks):			187.5 RPD = 43*
	Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks			
Aroclor-1232	1	4.752	-0.009	787	28.6	1	4.972	-0.017	2478	163.4
Aroclor-1232	2	6.153	-0.007	8715	149.8	2	7.271	-0.006	48985	632.4
Aroclor-1232	3	7.665	-0.018	206999	792.1	3	7.864	-0.012	110155	727.5
Aroclor-1232	4	8.589	-0.017	69230	624.4	4	8.725	-0.009	36063	878.4
	Total Col1Ave (4 peaks):				398.7		Total Col2Ave (4 peaks):			600.4 RPD = 40*
	Corrected Ave (3 peaks):				267.6		Corrected Ave (3 peaks):			507.8 RPD = 62*
Aroclor-1242	1	7.288	-0.007	63263	403.1	1	7.271	-0.003	48985	371.1
Aroclor-1242	2	7.665	-0.020	206999	415.4	2	7.864	-0.008	110155	393.1
Aroclor-1242	3	8.417	-0.012	63757	444.7	3	9.157	-0.015	8882	98.2
Aroclor-1242	4	9.005	-0.026	57946	194.6	4	9.598	0.003	16796	154.6
	Total Col1Ave (4 peaks):				364.4		Total Col2Ave (4 peaks):			254.3 RPD = 36
	Corrected Ave (3 peaks):				337.7		Corrected Ave (3 peaks):			208.0 RPD = 48*
Aroclor-1248	1	8.417	-0.010	63757	267.8	1	8.320	-0.003	33593	263.7
Aroclor-1248	2	8.589	-0.016	69230	227.7	2	8.725	-0.002	36063	269.1
Aroclor-1248	3	9.005	-0.017	57946	106.0	3	9.157	-0.014	8882	54.5
Aroclor-1248	4	9.307	-0.004	73499	274.3	4	9.598	0.006	16796	87.8
	Total Col1Ave (4 peaks):				219.0		Total Col2Ave (4 peaks):			168.8 RPD = 26
	Corrected Ave (3 peaks):				200.5		Corrected Ave (3 peaks):			135.3 RPD = 39
Aroclor-1254	1	9.307	-0.009	73499	150.8	1	9.460	-0.003	49299	245.2
Aroclor-1254	2	9.382	-0.011	6990	36.9	2	9.974	-0.007	9199	56.9
Aroclor-1254	3	9.689	0.003	101504	329.6	3	10.153	0.021	65543	188.6
Aroclor-1254	4	9.810	-0.011	145108	241.8	4	10.378	-0.002	101952	283.3
Aroclor-1254	5	10.129	-0.047	184198	447.7	5	10.572	-0.006	127792	736.2
	Total Col1Ave (5 peaks):				241.3		Total Col2Ave (5 peaks):			302.0 RPD = 22
	Corrected Ave (4 peaks):				189.8		Corrected Ave (4 peaks):			193.5 RPD = 2
Aroclor-1260	1	11.048	-0.008	181359	568.1	1	11.660	-0.005	97256	388.8
Aroclor-1260	2	11.367	-0.008	149743	453.5	2	11.924	-0.003	276587	440.6
Aroclor-1260	3	11.736	-0.011	356806	411.3	3	12.441	-0.005	76063	455.1
Aroclor-1260	4	12.138	-0.011	196207	444.1	4	12.506	-0.005	151980	363.2
Aroclor-1260	5	12.249	-0.006	92008	508.8	NS	---			----
	Total Col1Ave (5 peaks):				477.2		Total Col2Ave (4 peaks):			411.9 RPD = 15
	Corrected Ave (4 peaks):				454.4		Corrected Ave (3 peaks):			397.5 RPD = 13
Aroclor-1262	1	10.827	-0.022	299478	1021.2	1	11.208	-0.010	81010	224.8
Aroclor-1262	2	12.249	-0.013	92008	201.8	2	11.660	-0.010	97256	311.6
Aroclor-1262	3	12.324	-0.013	108784	223.4	3	12.441	-0.010	76063	221.0
Aroclor-1262	4	12.989	-0.016	84562	216.4	4	12.506	-0.013	151980	281.8
	Total Col1Ave (4 peaks):				415.7		Total Col2Ave (4 peaks):			259.8 RPD = 46*
	Corrected Ave (3 peaks):				213.9		Corrected Ave (3 peaks):			242.5 RPD = 13
Aroclor-1268	1	12.249	-0.013	92008	75.0	1	12.441	-0.008	76063	85.0
Aroclor-1268	2	12.324	-0.011	108784	90.6	2	12.506	-0.011	151980	165.7
Aroclor-1268	3	12.725	0.009	45087	45.8	3	12.905	-0.005	3394	10.0
Aroclor-1268	4	13.493	-0.012	26638	8.9	4	13.716	-0.010	18389	7.5
	Total Col1Ave (4 peaks):				55.1		Total Col2Ave (4 peaks):			67.1 RPD = 20

Corrected Ave (3 peaks): 43.2 Corrected Ave (3 peaks): 34.2 RPD = 23

Total PCB Area Col1 (5.933 - 13.804) = 5230376 Col1 Total PCB = 1.0 ppm*

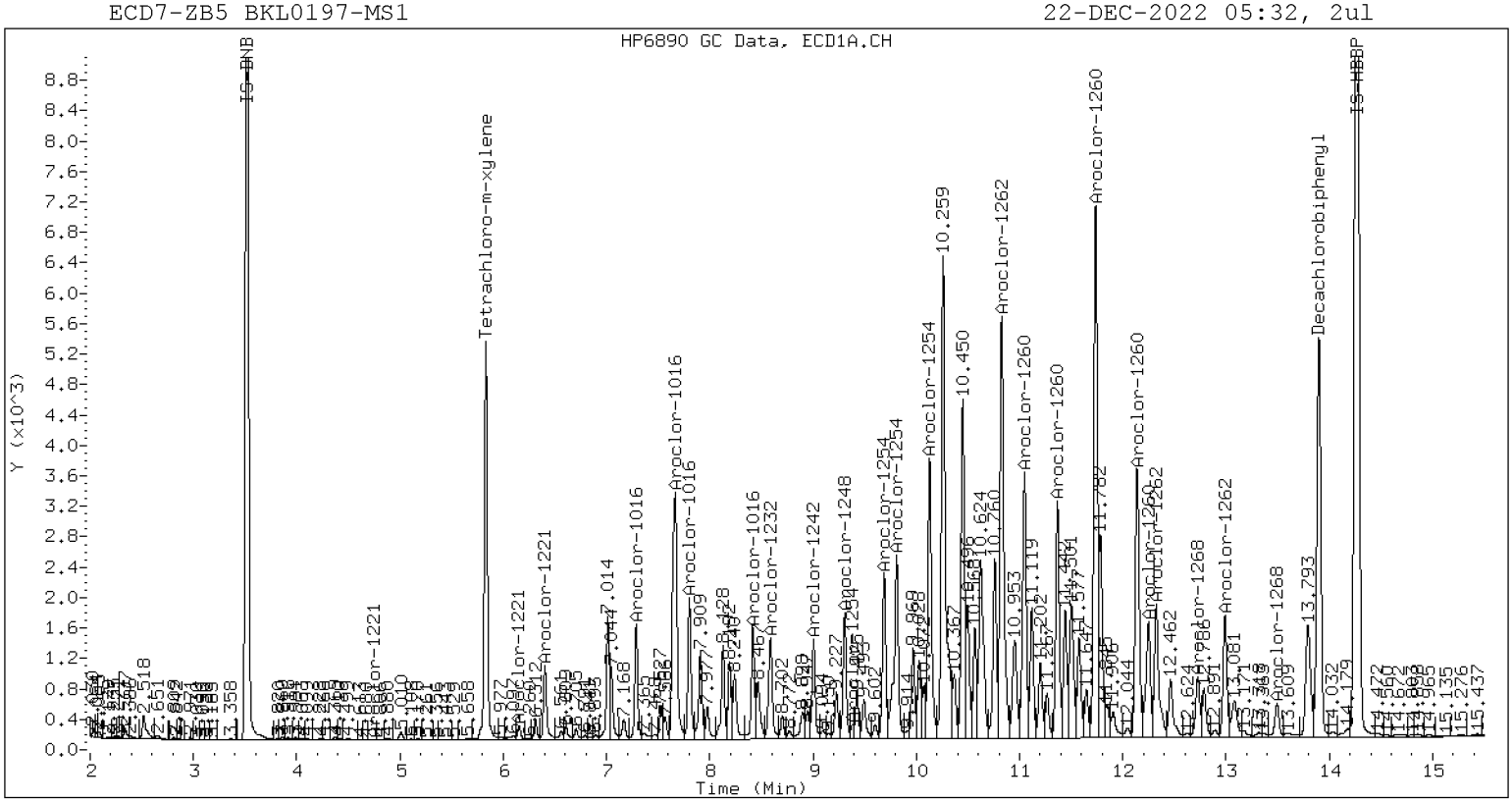
Total PCB Area Col2 (5.810 - 14.032) = 2891320 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

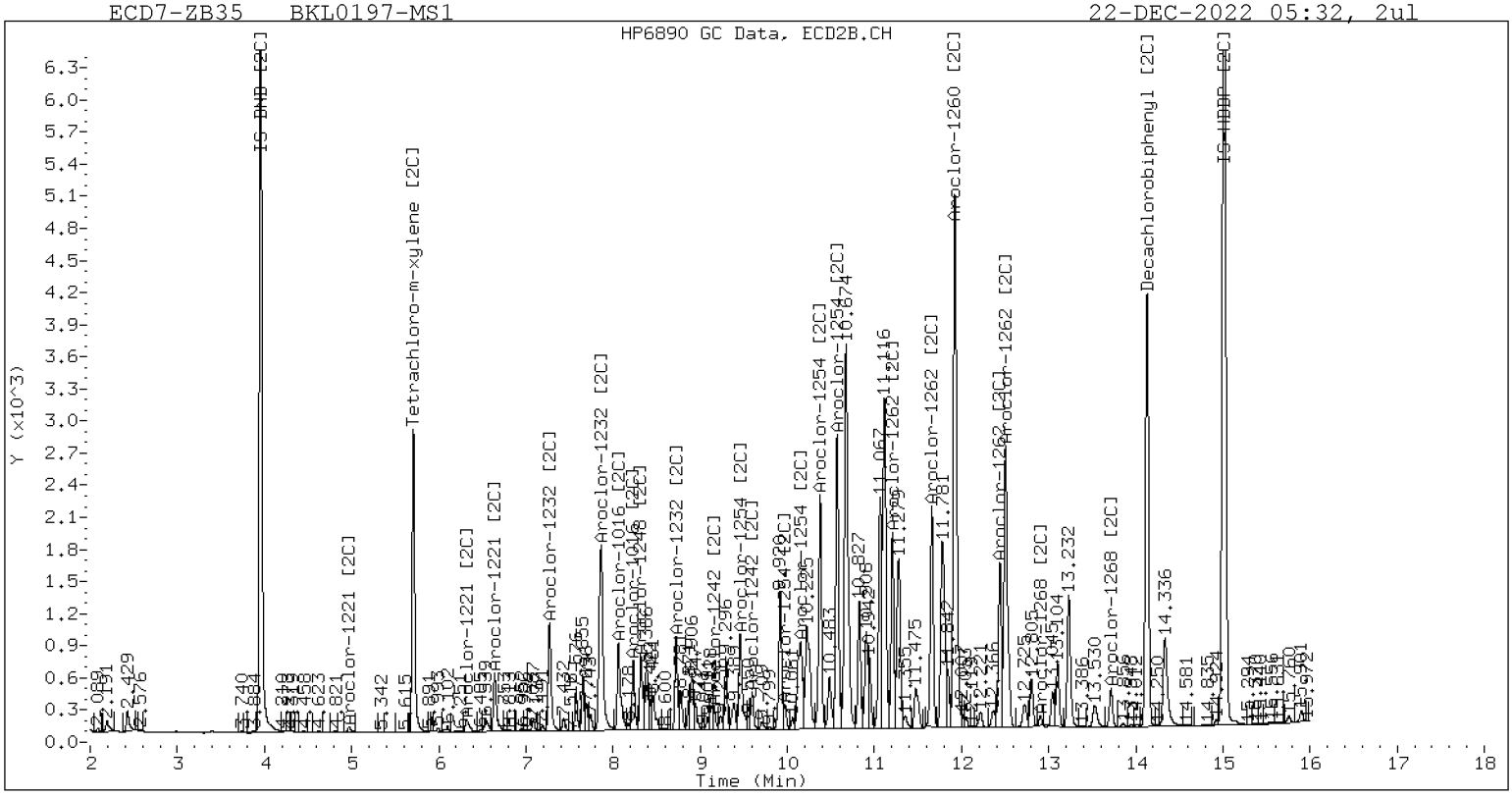
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-MS1 22-DEC-2022 05:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-MS1 22-DEC-2022 05:32, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212241ECD7.D
Data file 2: /221221.b/221221.b/12212241ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-MSD1
Client ID:
Injection Date: 22-DEC-2022 05:53
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.003	250614	5.708	-0.003	136504	30.5	30.4	0.3	Tetrachloro-m-xylene
13.899	-0.005	299680	14.130	-0.002	218669	38.6	32.6	16.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	579658	29.5
Hexabromobiphenyl	798898	847358	6.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	327432	31.4
Hexabromobiphenyl	362541	472763	30.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.287	-0.004	70806	366.2	1	7.271	-0.003	56259	336.1
Aroclor-1016	2	7.665	-0.012	230343	369.0	2	7.863	-0.009	121164	335.6
Aroclor-1016	3	7.802	-0.009	89802	317.4	3	8.063	-0.008	50351	324.7
Aroclor-1016	4	8.416	-0.006	69652	386.2	4	8.233	-0.010	30949	379.6
Total Col1Ave (4 peaks):		359.7				Total Col2Ave (4 peaks):			344.0	RPD = 4
Corrected Ave (3 peaks):		350.9				Corrected Ave (3 peaks):			332.1	RPD = 5
Aroclor-1221	1	4.735	-0.025	801	16.7	1	4.970	-0.017	2875	104.0
Aroclor-1221	2	6.151	-0.008	9993	118.4	2	6.319	-0.002	8462	160.7
Aroclor-1221	3	6.402	-0.007	49454	253.9	3	6.641	-0.005	30442	343.5
Total Col1Ave (3 peaks):		129.7				Total Col2Ave (3 peaks):			202.7	RPD = 44*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.735	-0.026	801	27.8	1	4.970	-0.019	2875	180.6
Aroclor-1232	2	6.151	-0.009	9993	164.0	2	7.271	-0.006	56259	691.9
Aroclor-1232	3	7.665	-0.019	230343	842.0	3	7.863	-0.013	121164	762.2
Aroclor-1232	4	8.588	-0.017	75696	652.2	4	8.724	-0.010	39812	923.7
Total Col1Ave (4 peaks):		421.5				Total Col2Ave (4 peaks):			639.6	RPD = 41*
Corrected Ave (3 peaks):		281.3				Corrected Ave (3 peaks):			544.9	RPD = 64*
Aroclor-1242	1	7.287	-0.008	70806	431.0	1	7.271	-0.003	56259	406.0
Aroclor-1242	2	7.665	-0.020	230343	441.6	2	7.863	-0.009	121164	411.9
Aroclor-1242	3	8.416	-0.013	69652	464.1	3	9.156	-0.016	9300	98.0
Aroclor-1242	4	9.006	-0.025	61891	198.6	4	9.597	0.003	18645	163.5
Total Col1Ave (4 peaks):		383.8				Total Col2Ave (4 peaks):			269.8	RPD = 35
Corrected Ave (3 peaks):		357.0				Corrected Ave (3 peaks):			222.5	RPD = 46*
Aroclor-1248	1	8.416	-0.011	69652	279.5	1	8.320	-0.004	37220	278.3
Aroclor-1248	2	8.588	-0.016	75696	237.9	2	8.724	-0.003	39812	283.0
Aroclor-1248	3	9.006	-0.017	61891	108.1	3	9.156	-0.015	9300	54.3
Aroclor-1248	4	9.306	-0.005	78987	281.6	4	9.597	0.005	18645	92.8
Total Col1Ave (4 peaks):		226.8				Total Col2Ave (4 peaks):			177.1	RPD = 25
Corrected Ave (3 peaks):		208.5				Corrected Ave (3 peaks):			141.8	RPD = 38
Aroclor-1254	1	9.306	-0.009	78987	154.8	1	9.460	-0.003	54930	260.2
Aroclor-1254	2	9.382	-0.012	6295	31.7	2	9.974	-0.007	9890	58.3
Aroclor-1254	3	9.690	0.004	120819	374.8	3	10.153	0.020	76068	208.5
Aroclor-1254	4	9.810	-0.011	146419	233.0	4	10.379	-0.001	110283	291.9
Aroclor-1254	5	10.128	-0.047	199691	463.6	5	10.572	-0.007	140152	769.1
Total Col1Ave (5 peaks):		251.6				Total Col2Ave (5 peaks):			317.6	RPD = 23
Corrected Ave (4 peaks):		198.6				Corrected Ave (4 peaks):			204.7	RPD = 3
Aroclor-1260	1	11.048	-0.008	197213	639.4	1	11.660	-0.005	107144	429.3
Aroclor-1260	2	11.367	-0.008	163610	512.9	2	11.923	-0.004	304628	486.5
Aroclor-1260	3	11.736	-0.012	385010	459.3	3	12.441	-0.006	81896	491.1
Aroclor-1260	4	12.137	-0.012	207208	485.4	4	12.505	-0.006	162062	388.2
Aroclor-1260	5	12.248	-0.007	99945	572.0	NS	---			----
Total Col1Ave (5 peaks):		533.8				Total Col2Ave (4 peaks):			448.8	RPD = 17
Corrected Ave (4 peaks):		507.4				Corrected Ave (3 peaks):			434.7	RPD = 15
Aroclor-1262	1	10.827	-0.021	324680	1145.8	1	11.207	-0.010	89408	248.7
Aroclor-1262	2	12.248	-0.014	99945	226.9	2	11.660	-0.010	107144	344.1
Aroclor-1262	3	12.323	-0.014	119612	254.2	3	12.441	-0.011	81896	238.5
Aroclor-1262	4	12.988	-0.017	90398	239.4	4	12.505	-0.015	162062	301.3
Total Col1Ave (4 peaks):		466.6				Total Col2Ave (4 peaks):			283.1	RPD = 49*
Corrected Ave (3 peaks):		240.2				Corrected Ave (3 peaks):			262.8	RPD = 9
Aroclor-1268	1	12.248	-0.014	99945	84.3	1	12.441	-0.009	81896	91.8
Aroclor-1268	2	12.323	-0.012	119612	103.1	2	12.505	-0.012	162062	177.1
Aroclor-1268	3	12.726	0.009	49817	52.4	3	12.904	-0.005	3494	10.3
Aroclor-1268	4	13.493	-0.012	27616	9.5	4	13.716	-0.011	19250	7.9
Total Col1Ave (4 peaks):		62.3				Total Col2Ave (4 peaks):			71.8	RPD = 14

Corrected Ave (3 peaks): 48.7 Corrected Ave (3 peaks): 36.7 RPD = 28

Total PCB Area Col1 (5.933 - 13.804) = 5645152 Col1 Total PCB = 1.0 ppm*

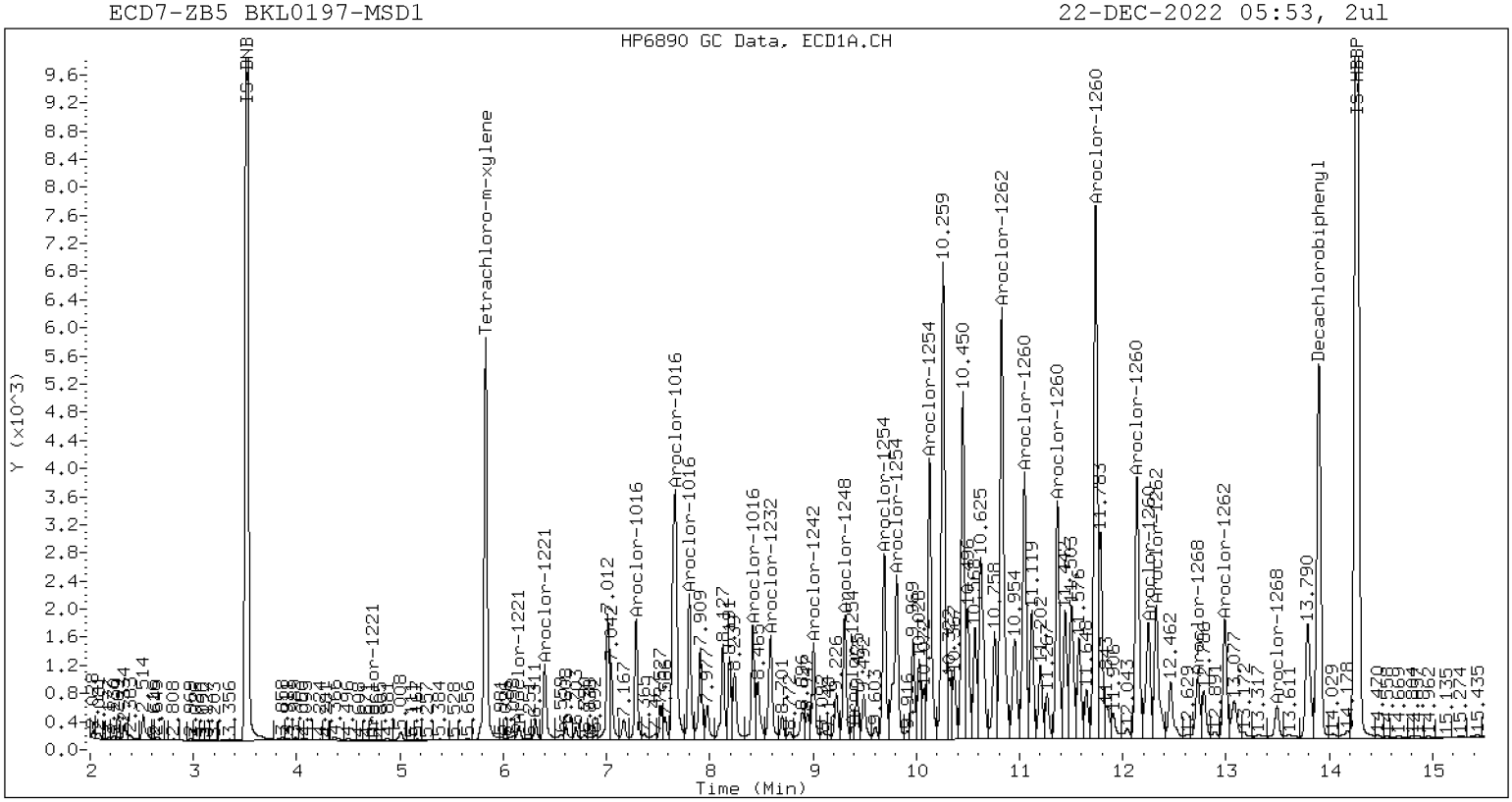
Total PCB Area Col2 (5.810 - 14.032) = 3143078 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

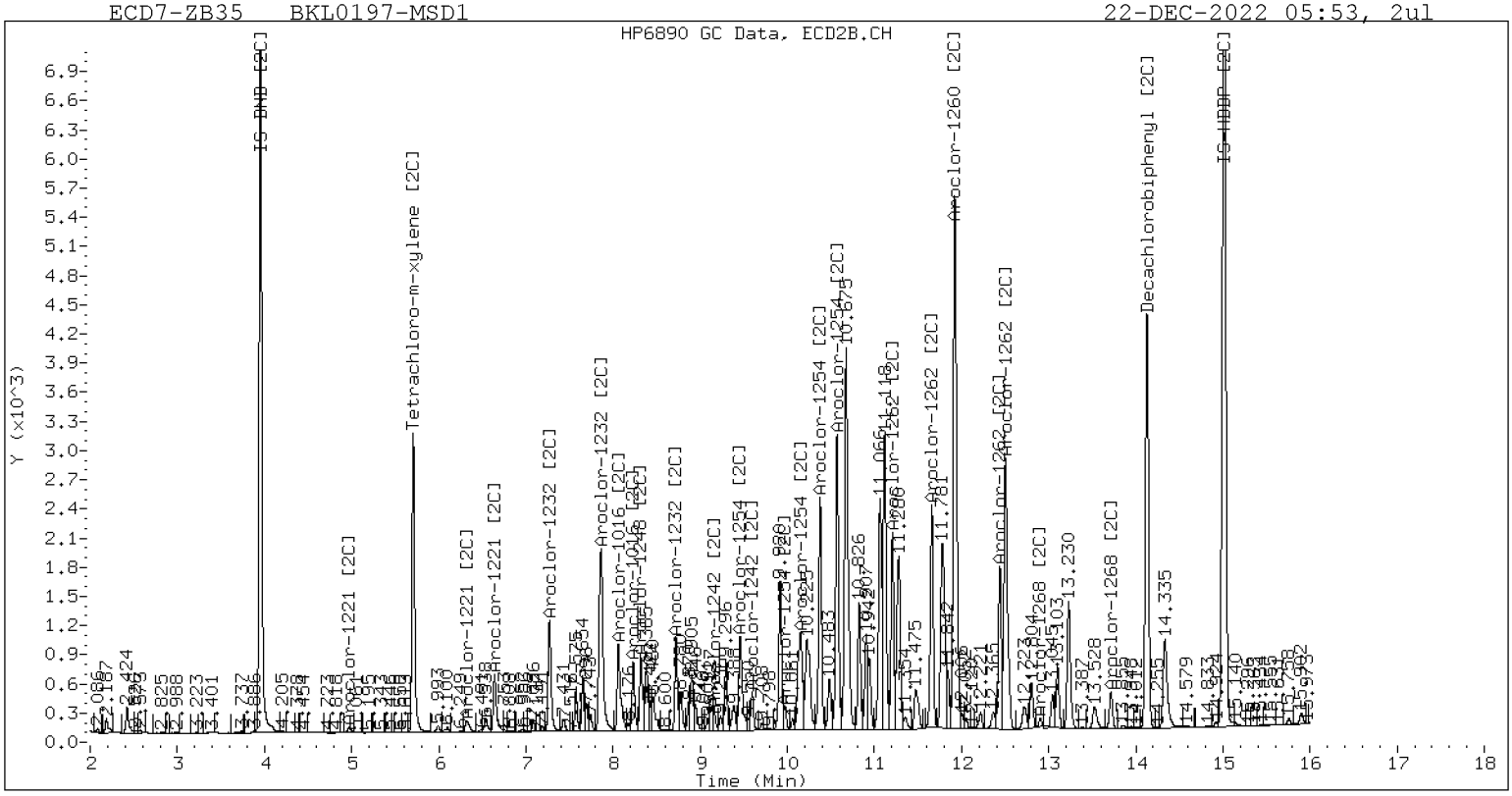
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-MSD1 22-DEC-2022 05:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-MSD1 22-DEC-2022 05:53, 2ul



ZB-35 Manual Integration: NO

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/20/22 09:19
Batch:	BKL0226	Laboratory ID:	BKL0226-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	17.59 g / 2.5 mL	Source Sample:	LDW22-SC776A

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	101	ND	U	77.7		77.1	56 - 120
Aroclor 1260	101	13.5		102		87.6	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/20/22 09:40
Batch:	BKL0226	Laboratory ID:	BKL0226-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	17.59 g / 2.5 mL	Source Sample:	LDW22-SC776A

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	101	71.9		71.4	7.64	30	56 - 120
Aroclor 1260	101	103		88.6	0.0866	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192254ECD7.D
Data file 2: /221219.b/221219.b/12192254ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-MS1
Client ID:
Injection Date: 20-DEC-2022 09:19
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	217103	5.705	-0.008	138161	29.3	34.8	17.0	Tetrachloro-m-xylene
13.897	-0.011	210349	14.126	-0.011	189338	41.7	36.7	12.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	522782	16.8
Hexabromobiphenyl	798898	550368	-31.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	289949	16.4
Hexabromobiphenyl	362541	363445	0.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.284	-0.011	71742	411.4	1	7.269	-0.006	61961	418.0
Aroclor-1016	2	7.660	-0.025	225151	399.9	2	7.858	-0.012	135810	424.8
Aroclor-1016	3	7.798	-0.020	84607	331.6	3	8.058	-0.012	52042	379.0
Aroclor-1016	4	8.414	-0.016	66803	410.7	4	8.227	-0.014	30218	418.5
Total Col1Ave (4 peaks):		388.4				Total Col2Ave (4 peaks):			410.1	RPD = 5
Corrected Ave (3 peaks):		380.7				Corrected Ave (3 peaks):			405.2	RPD = 6
Aroclor-1221	1	4.755	-0.005	2110	48.8	1	4.996	0.008	2138	87.4
Aroclor-1221	2	6.150	-0.009	11340	149.0	2	6.316	-0.005	6541	140.3
Aroclor-1221	3	6.399	-0.010	48875	278.3	3	6.638	-0.007	28716	365.9
Total Col1Ave (3 peaks):		158.7				Total Col2Ave (3 peaks):			197.8	RPD = 22
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.755	-0.006	2110	81.1	1	4.996	0.006	2138	151.6
Aroclor-1232	2	6.150	-0.010	11340	206.4	2	7.269	-0.008	61961	860.5
Aroclor-1232	3	7.660	-0.024	225151	912.6	3	7.858	-0.018	135810	964.8
Aroclor-1232	4	8.582	-0.024	71228	680.5	4	8.721	-0.013	42331	1109.1
Total Col1Ave (4 peaks):		470.1				Total Col2Ave (4 peaks):			771.5	RPD = 49*
Corrected Ave (3 peaks):		322.7				Corrected Ave (3 peaks):			659.0	RPD = 69*
Aroclor-1242	1	7.284	-0.011	71742	484.2	1	7.269	-0.008	61961	504.9
Aroclor-1242	2	7.660	-0.025	225151	478.6	2	7.858	-0.017	135810	521.3
Aroclor-1242	3	8.414	-0.016	66803	493.5	3	9.152	-0.026	19322	229.9
Aroclor-1242	4	9.002	-0.030	53309	189.7	4	9.571	-0.034	15633	154.8
Total Col1Ave (4 peaks):		411.5				Total Col2Ave (4 peaks):			352.7	RPD = 15
Corrected Ave (3 peaks):		384.1				Corrected Ave (3 peaks):			296.5	RPD = 26
Aroclor-1248	1	8.414	-0.014	66803	297.2	1	8.316	-0.010	39247	331.3
Aroclor-1248	2	8.582	-0.022	71228	248.2	2	8.721	-0.011	42331	339.8
Aroclor-1248	3	9.002	-0.021	53309	103.3	3	9.152	-0.026	19322	127.5
Aroclor-1248	4	9.301	-0.010	64707	255.8	4	9.571	-0.031	15633	87.9
Total Col1Ave (4 peaks):		226.1				Total Col2Ave (4 peaks):			221.6	RPD = 2
Corrected Ave (3 peaks):		202.4				Corrected Ave (3 peaks):			182.2	RPD = 10
Aroclor-1254	1	9.301	-0.020	64707	140.6	1	9.453	-0.014	39329	210.4
Aroclor-1254	2	9.421	0.019	4146	23.2	2	9.971	-0.016	10881	72.4
Aroclor-1254	3	9.672	-0.022	30749	105.8	3	10.150	0.011	46244	143.1
Aroclor-1254	4	9.801	-0.030	78072	137.8	4	10.375	-0.014	111742	334.0
Aroclor-1254	5	10.125	-0.065	160920	414.3	5	10.568	-0.018	119275	739.1
Total Col1Ave (5 peaks):		164.3				Total Col2Ave (5 peaks):			299.8	RPD = 58*
Corrected Ave (4 peaks):		101.8				Corrected Ave (4 peaks):			190.0	RPD = 60*
Aroclor-1260	1	11.046	-0.016	104499	521.6	1	11.658	-0.011	79247	413.1
Aroclor-1260	2	11.360	-0.017	100611	485.6	2	11.918	-0.015	209661	435.5
Aroclor-1260	3	11.732	-0.020	283818	521.3	3	12.437	-0.014	67542	526.9
Aroclor-1260	4	12.133	-0.026	144925	522.7	4	12.502	-0.015	135865	423.4
Aroclor-1260	5	12.246	-0.016	57927	510.4	NS	---			----
Total Col1Ave (5 peaks):		512.3				Total Col2Ave (4 peaks):			449.7	RPD = 13
Corrected Ave (4 peaks):		509.7				Corrected Ave (3 peaks):			424.0	RPD = 18
Aroclor-1262	1	10.821	-0.027	229752	1248.3	1	11.204	-0.014	74089	268.1
Aroclor-1262	2	12.246	-0.017	57927	202.4	2	11.658	-0.012	79247	331.1
Aroclor-1262	3	12.319	-0.017	69104	226.1	3	12.437	-0.014	67542	255.8
Aroclor-1262	4	12.984	-0.021	61474	250.7	4	12.502	-0.018	135865	328.5
Total Col1Ave (4 peaks):		481.9				Total Col2Ave (4 peaks):			295.9	RPD = 48*
Corrected Ave (3 peaks):		226.4				Corrected Ave (3 peaks):			284.2	RPD = 23
Aroclor-1268	1	12.246	-0.017	57927	75.2	1	12.437	-0.012	67542	98.5
Aroclor-1268	2	12.319	-0.016	69104	91.7	2	12.502	-0.016	135865	193.1
Aroclor-1268	3	12.721	0.005	36214	58.7	3	12.901	-0.009	3674	14.1
Aroclor-1268	4	13.489	-0.016	18634	9.9	4	13.712	-0.014	19950	10.6
Total Col1Ave (4 peaks):		58.9				Total Col2Ave (4 peaks):			79.1	RPD = 29

Corrected Ave (3 peaks): 47.9 Corrected Ave (3 peaks): 41.1 RPD = 15

Total PCB Area Col1 (5.936 - 13.808) = 3585943 Col1 Total PCB = 0.6 ppm*

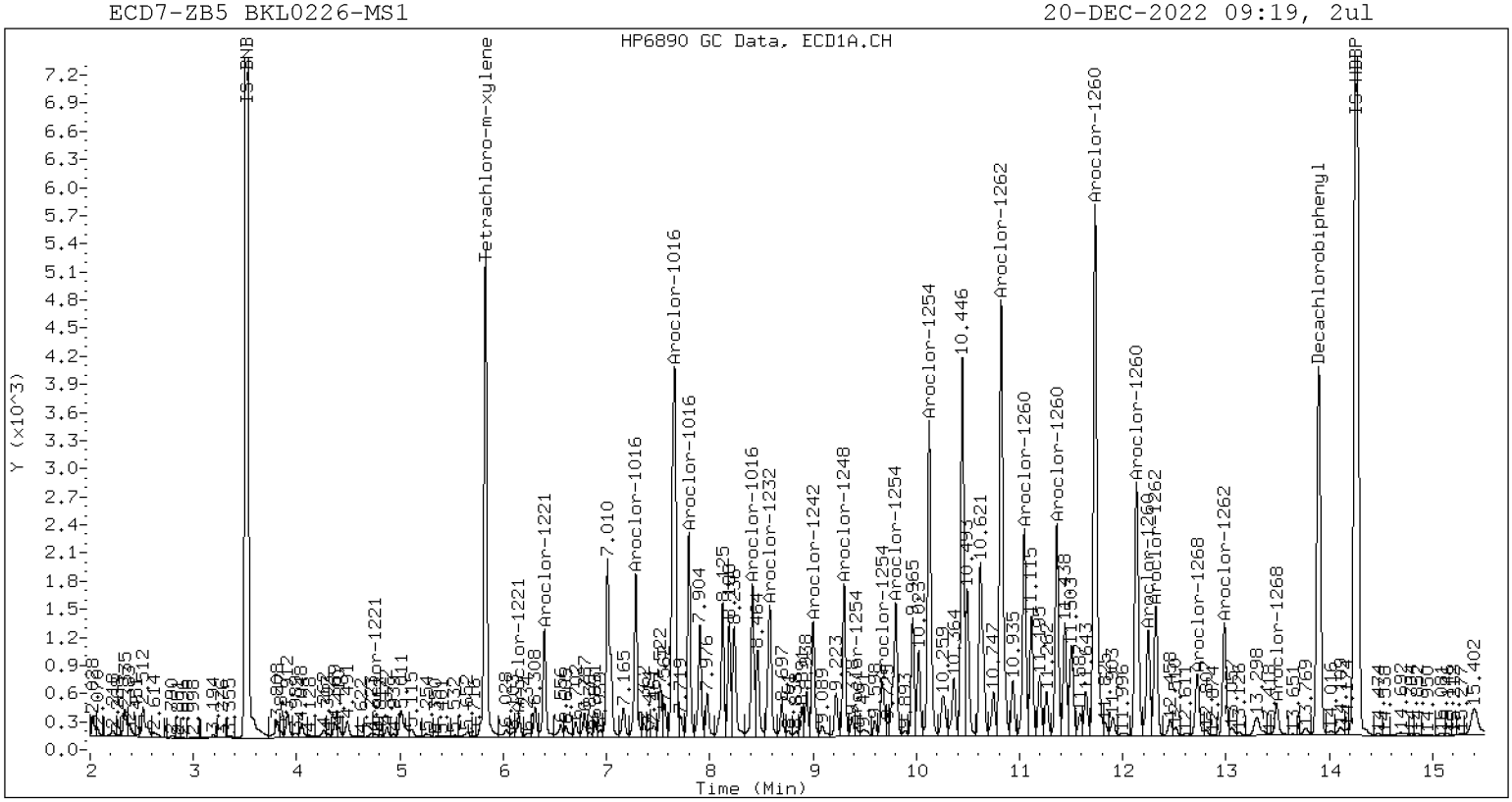
Total PCB Area Col2 (5.936 - 13.808) = 2360990 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

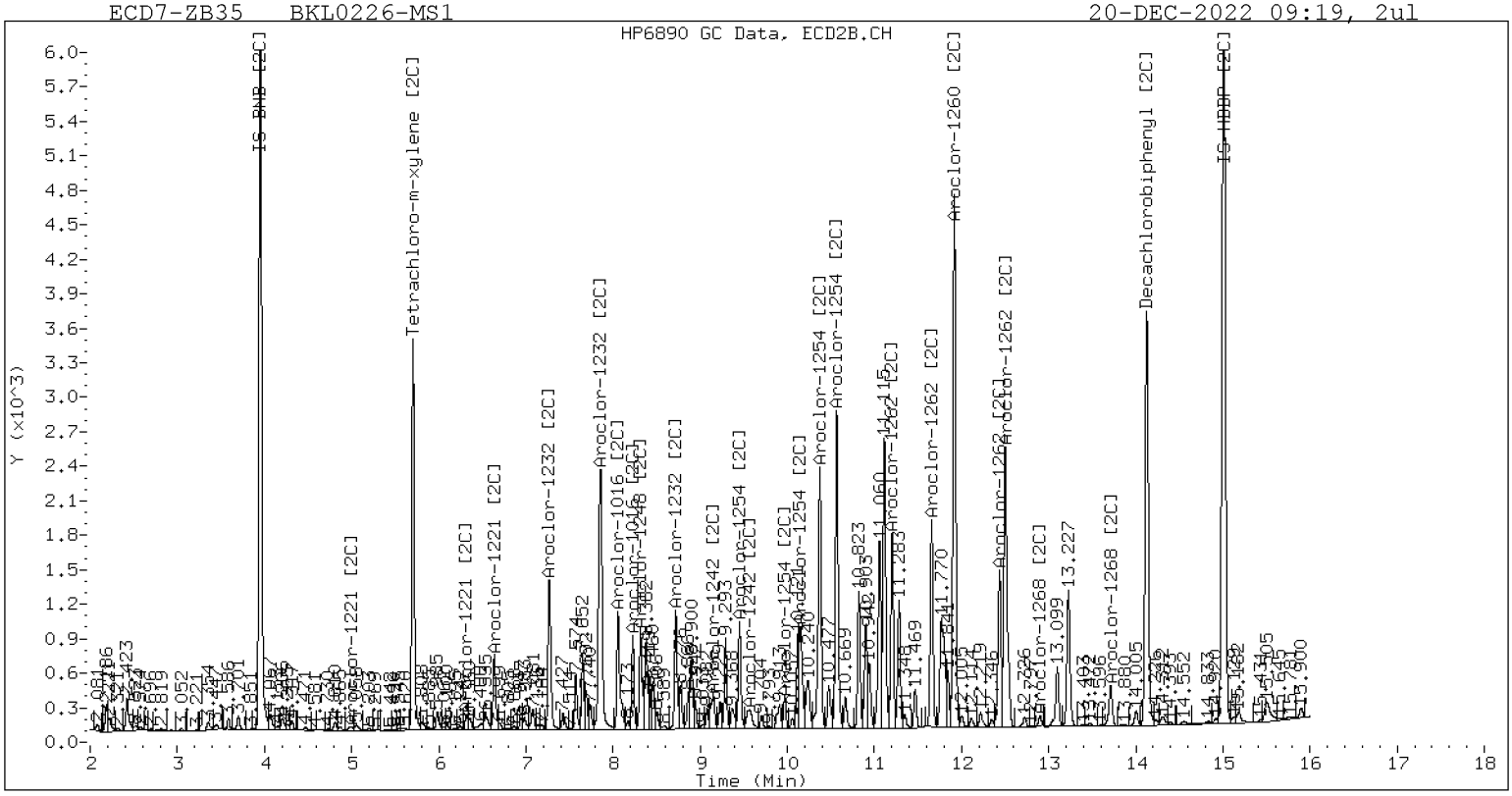
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-MS1 20-DEC-2022 09:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0226-MS1 20-DEC-2022 09:19, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192255ECD7.D
Data file 2: /221219.b/221219.b/12192255ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-MSD1
Client ID:
Injection Date: 20-DEC-2022 09:40
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	243009	5.705	-0.008	142798	33.2	36.3	8.7	Tetrachloro-m-xylene
13.896	-0.012	203132	14.127	-0.010	184167	42.2	37.3	12.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	516084	15.3
Hexabromobiphenyl	798898	524752	-34.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	287355	15.4
Hexabromobiphenyl	362541	347381	-4.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.284	-0.010	70707	410.7	1	7.269	-0.006	62771	427.2
Aroclor-1016	2	7.660	-0.025	208828	375.7	2	7.860	-0.011	134547	424.6
Aroclor-1016	3	7.798	-0.020	77993	309.7	3	8.060	-0.010	54656	401.6
Aroclor-1016	4	8.415	-0.015	55109	343.2	4	8.230	-0.011	29842	417.0
Total Col1Ave (4 peaks):		359.8				Total Col2Ave (4 peaks):			417.6	RPD = 15
Corrected Ave (3 peaks):		342.9				Corrected Ave (3 peaks):			414.4	RPD = 19
Aroclor-1221	1	4.754	-0.006	5584	130.9	1	5.001	0.014	2465	101.6
Aroclor-1221	2	6.150	-0.009	10442	138.9	2	6.317	-0.005	7378	159.6
Aroclor-1221	3	6.400	-0.009	51237	295.5	3	6.638	-0.008	34475	443.2
Total Col1Ave (3 peaks):		188.4				Total Col2Ave (3 peaks):			234.8	RPD = 22
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.754	-0.007	5584	217.5	1	5.001	0.012	2465	176.4
Aroclor-1232	2	6.150	-0.010	10442	192.5	2	7.269	-0.008	62771	879.6
Aroclor-1232	3	7.660	-0.024	208828	857.4	3	7.860	-0.017	134547	964.5
Aroclor-1232	4	8.584	-0.022	68384	661.8	4	8.721	-0.013	37000	978.2
Total Col1Ave (4 peaks):		482.3				Total Col2Ave (4 peaks):			749.7	RPD = 43*
Corrected Ave (3 peaks):		357.3				Corrected Ave (3 peaks):			673.5	RPD = 61*
Aroclor-1242	1	7.284	-0.011	70707	483.4	1	7.269	-0.008	62771	516.1
Aroclor-1242	2	7.660	-0.025	208828	449.6	2	7.860	-0.015	134547	521.2
Aroclor-1242	3	8.415	-0.015	55109	412.4	3	9.154	-0.024	13818	165.9
Aroclor-1242	4	9.002	-0.029	58781	211.8	4	9.575	-0.031	10875	108.6
Total Col1Ave (4 peaks):		389.3				Total Col2Ave (4 peaks):			328.0	RPD = 17
Corrected Ave (3 peaks):		358.0				Corrected Ave (3 peaks):			263.6	RPD = 30
Aroclor-1248	1	8.415	-0.013	55109	248.4	1	8.317	-0.009	41094	350.1
Aroclor-1248	2	8.584	-0.020	68384	241.4	2	8.721	-0.012	37000	299.7
Aroclor-1248	3	9.002	-0.020	58781	115.3	3	9.154	-0.024	13818	92.0
Aroclor-1248	4	9.303	-0.008	65658	263.0	4	9.575	-0.028	10875	61.7
Total Col1Ave (4 peaks):		217.0				Total Col2Ave (4 peaks):			200.9	RPD = 8
Corrected Ave (3 peaks):		201.7				Corrected Ave (3 peaks):			151.1	RPD = 29
Aroclor-1254	1	9.303	-0.018	65658	144.5	1	9.453	-0.014	39911	215.4
Aroclor-1254	2	9.420	0.018	4225	23.9	2	9.972	-0.015	12587	84.5
Aroclor-1254	3	9.671	-0.024	30283	105.5	3	10.150	0.011	43637	136.3
Aroclor-1254	4	9.801	-0.029	78662	140.6	4	10.375	-0.014	107933	325.5
Aroclor-1254	5	10.125	-0.065	155177	404.7	5	10.569	-0.018	114754	717.5
Total Col1Ave (5 peaks):		163.8				Total Col2Ave (5 peaks):			295.9	RPD = 57*
Corrected Ave (4 peaks):		103.6				Corrected Ave (4 peaks):			190.4	RPD = 59*
Aroclor-1260	1	11.046	-0.016	104643	547.8	1	11.657	-0.012	75498	411.7
Aroclor-1260	2	11.360	-0.017	93296	472.2	2	11.918	-0.015	197618	429.5
Aroclor-1260	3	11.732	-0.020	264115	508.8	3	12.438	-0.013	60835	496.5
Aroclor-1260	4	12.132	-0.026	135687	513.3	4	12.501	-0.015	128487	418.9
Aroclor-1260	5	12.246	-0.016	56450	521.7	NS	---			----
Total Col1Ave (5 peaks):		512.8				Total Col2Ave (4 peaks):			439.2	RPD = 15
Corrected Ave (4 peaks):		504.0				Corrected Ave (3 peaks):			420.0	RPD = 18
Aroclor-1262	1	10.822	-0.026	221340	1261.3	1	11.204	-0.013	70129	265.5
Aroclor-1262	2	12.246	-0.017	56450	206.9	2	11.657	-0.013	75498	330.0
Aroclor-1262	3	12.319	-0.018	66097	226.9	3	12.438	-0.013	60835	241.1
Aroclor-1262	4	12.985	-0.020	56358	241.0	4	12.501	-0.018	128487	325.1
Total Col1Ave (4 peaks):		484.0				Total Col2Ave (4 peaks):			290.4	RPD = 50*
Corrected Ave (3 peaks):		224.9				Corrected Ave (3 peaks):			277.2	RPD = 21
Aroclor-1268	1	12.246	-0.017	56450	76.9	1	12.438	-0.012	60835	92.8
Aroclor-1268	2	12.319	-0.016	66097	92.0	2	12.501	-0.016	128487	191.1
Aroclor-1268	3	12.721	0.005	33341	56.6	3	12.900	-0.010	3408	13.7
Aroclor-1268	4	13.489	-0.016	17016	9.5	4	13.713	-0.013	17592	9.8
Total Col1Ave (4 peaks):		58.8				Total Col2Ave (4 peaks):			76.8	RPD = 27

Corrected Ave (3 peaks): 47.7 Corrected Ave (3 peaks): 38.7 RPD = 21

Total PCB Area Col1 (5.936 - 13.808) = 3436508 Col1 Total PCB = 0.6 ppm*

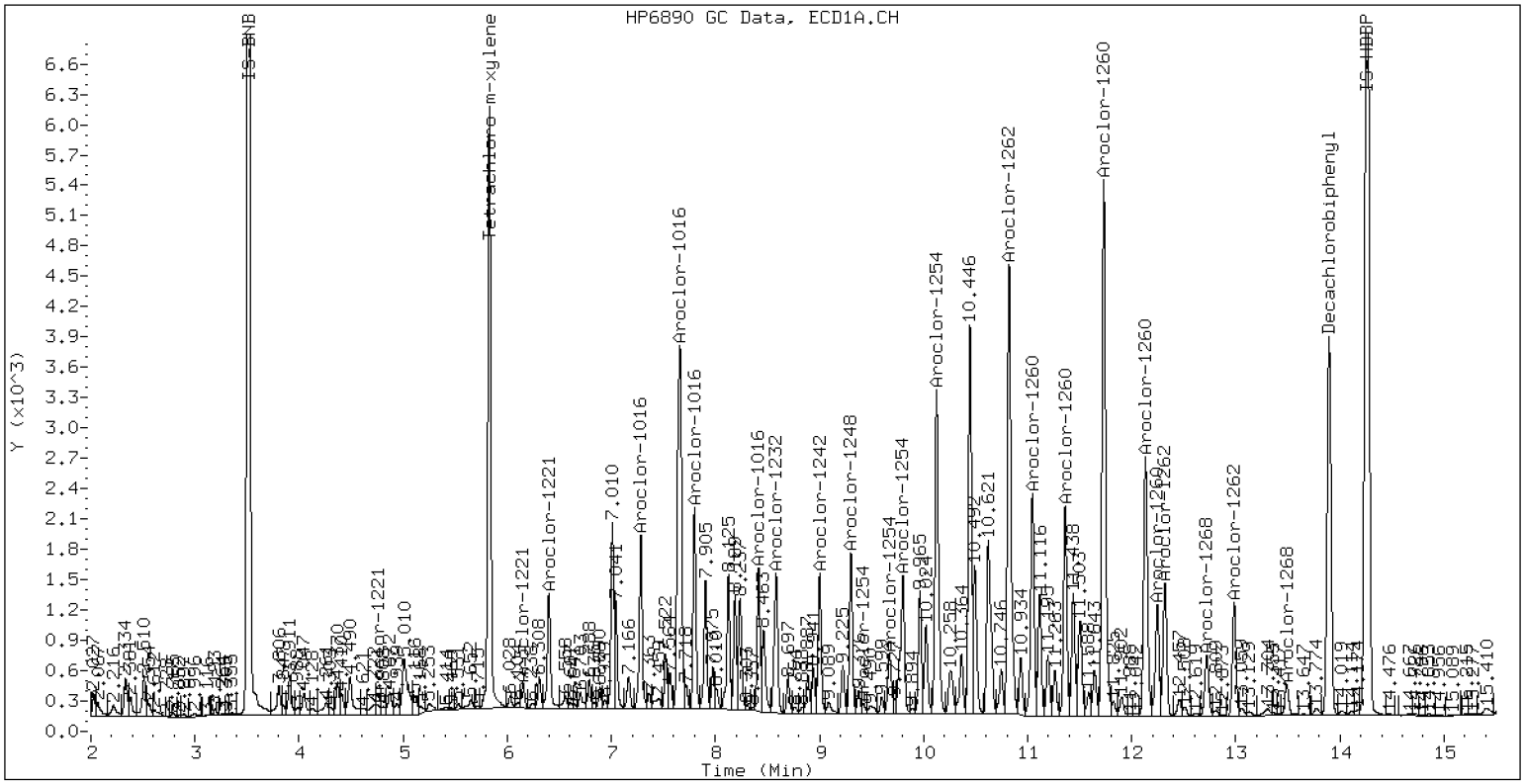
Total PCB Area Col2 (5.936 - 13.808) = 2350076 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

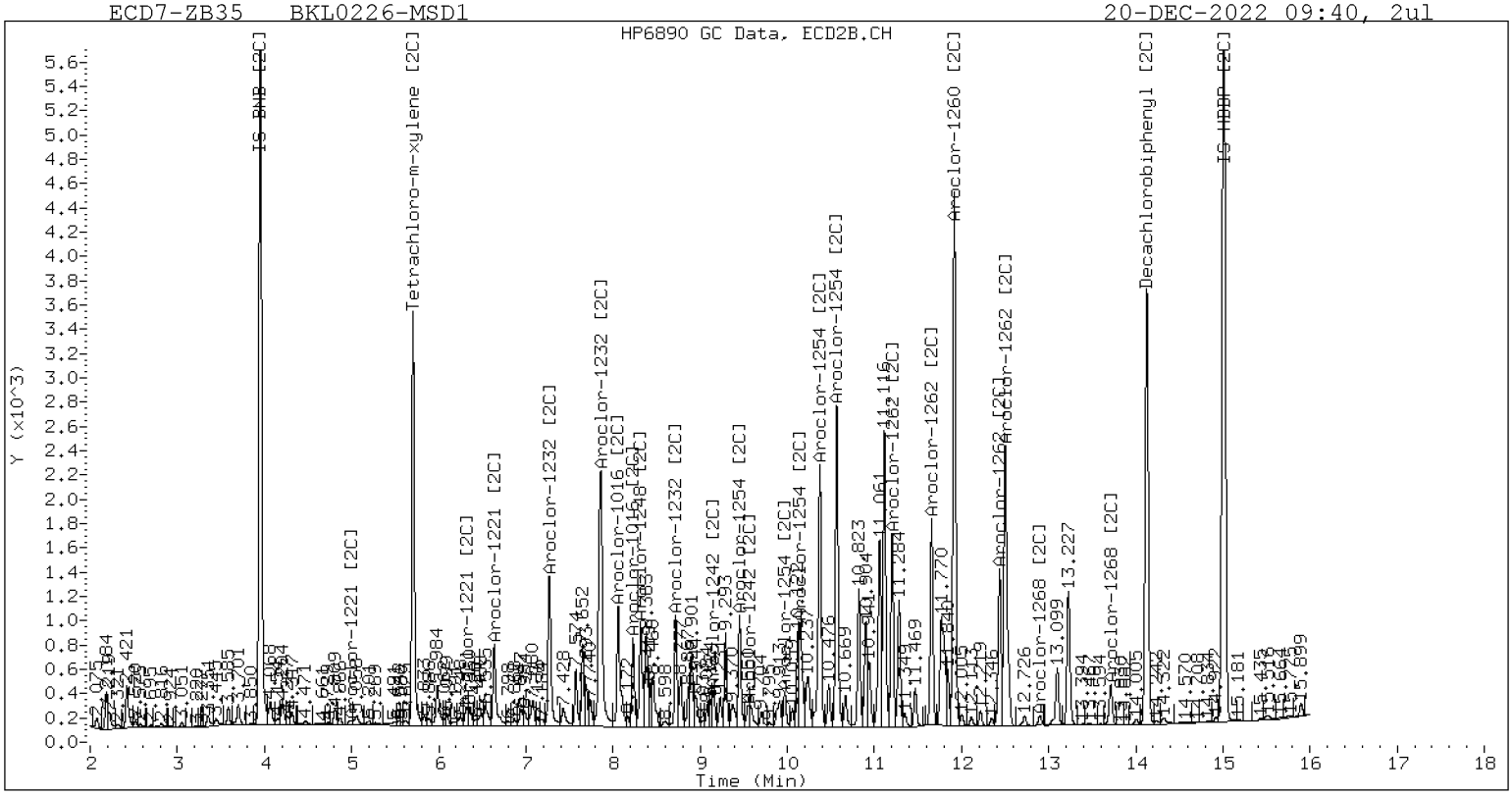
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-MSD1 20-DEC-2022 09:40, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 BKL0226-MSD1 20-DEC-2022 09:40, 2ul

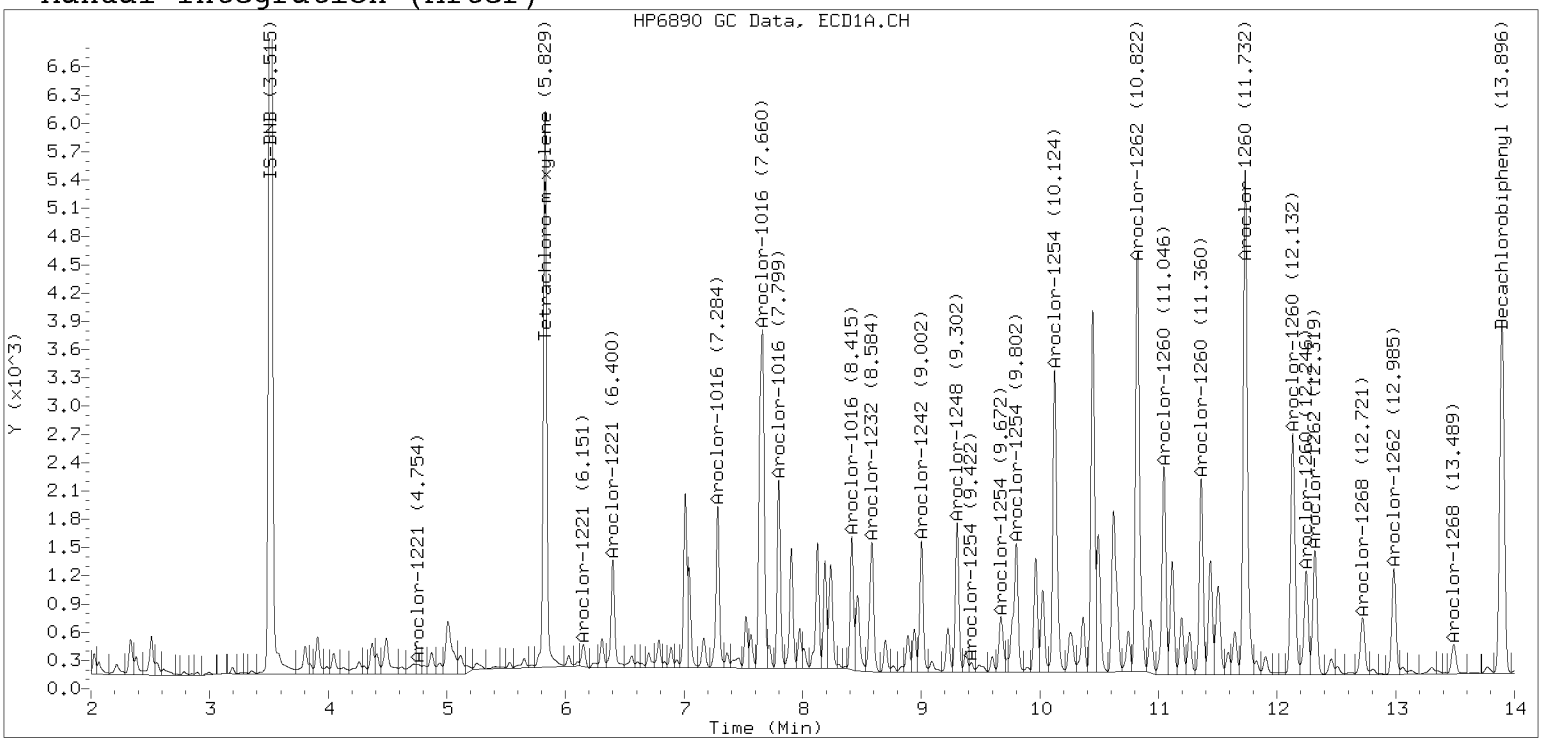


ZB-35 Manual Integration: NO

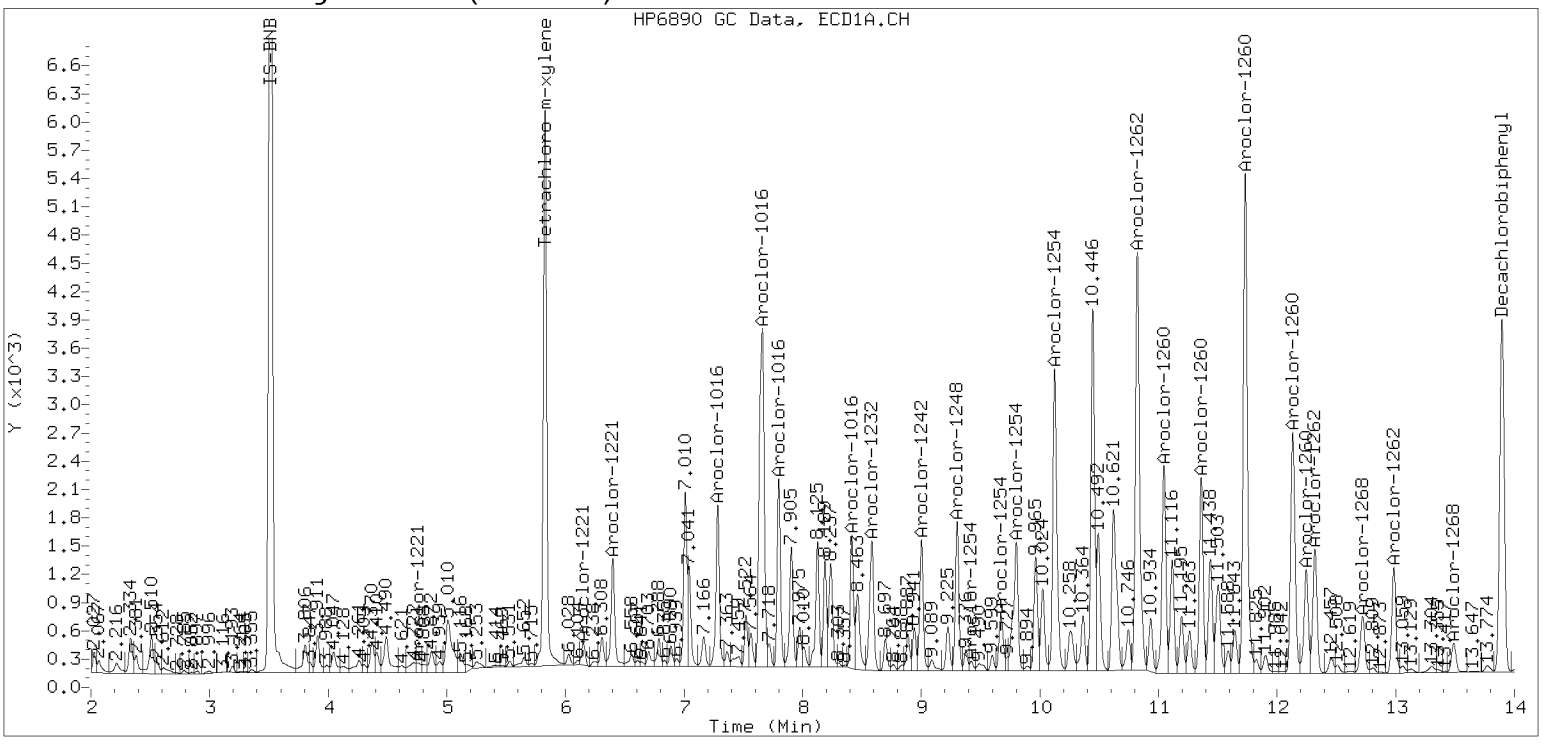
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192255ECD7.D Injection Date: 20-DEC-2022 09:40

Manual Integration (After)



Processed Integration (Before)



MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 12:04
Batch:	BKL0227	Laboratory ID:	BKL0227-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	18.63 g / 2.5 mL	Source Sample:	LDW22-SC776I

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	101	ND	U	90.1		89.2	56 - 120
Aroclor 1260	101	47.8		136		87.3	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 12:26
Batch:	BKL0227	Laboratory ID:	BKL0227-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	18.63 g / 2.5 mL	Source Sample:	LDW22-SC776I

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	101	93.9		93.0	4.20	30	56 - 120
Aroclor 1260	101	132		83.4	2.55	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202267ECD7.D
Data file 2: /221220.b/221220.b/12202267ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-MS1
Client ID:
Injection Date: 21-DEC-2022 12:04
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	181360	5.706	-0.008	111849	27.0	30.9	13.3	Tetrachloro-m-xylene
13.897	-0.011	168055	14.129	-0.008	160692	39.4	35.4	10.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	473407	5.8
Hexabromobiphenyl	798898	465593	-41.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	264252	6.1
Hexabromobiphenyl	362541	319617	-11.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.284	-0.010	59042	373.9	1	7.270	-0.005	56447	417.8
Aroclor-1016	2	7.659	-0.025	223095	437.6	2	7.858	-0.012	131682	451.9
Aroclor-1016	3	7.798	-0.019	71498	309.5	3	8.059	-0.011	49205	393.2
Aroclor-1016	4	8.413	-0.016	100192	680.2	4	8.228	-0.013	30044	456.6
	Total Col1Ave (4 peaks):				450.3	Total Col2Ave (4 peaks):				429.9 RPD = 5
	Corrected Ave (3 peaks):				373.6	Corrected Ave (3 peaks):				421.0 RPD = 12
Aroclor-1221	1	---			0.0	1	5.000	0.013	2783	124.8
Aroclor-1221	2	---			0.0	2	6.316	-0.005	5115	120.3
Aroclor-1221	3	---			0.0	3	6.638	-0.008	25655	358.7
	Col1Ave: <3 Quant Peaks					Col2Ave: 201.3				
Aroclor-1232	1	---			0.0	1	5.000	0.010	2783	216.6
Aroclor-1232	2	---			0.0	2	7.270	-0.006	56447	860.2
Aroclor-1232	3	---			0.0	3	7.858	-0.018	131682	1026.4
Aroclor-1232	4	---			0.0	4	8.723	-0.011	69042	1984.9
	Col1Ave: <3 Quant Peaks					Col2Ave: 1022.0				
Aroclor-1242	1	---			0.0	1	7.270	-0.007	56447	504.7
Aroclor-1242	2	---			0.0	2	7.858	-0.016	131682	554.6
Aroclor-1242	3	---			0.0	3	9.154	-0.024	66024	862.0
Aroclor-1242	4	---			0.0	4	9.633	0.028	14640	159.0
	Col1Ave: <3 Quant Peaks					Col2Ave: 520.1				
Aroclor-1248	1	8.413	-0.014	100192	492.2	1	8.317	-0.009	80024	741.3
Aroclor-1248	2	8.582	-0.022	85508	329.0	2	8.723	-0.010	69042	608.1
Aroclor-1248	3	9.000	-0.023	245152	524.4	3	9.154	-0.024	66024	478.0
Aroclor-1248	4	9.302	-0.010	301531	1316.5	4	9.633	0.031	14640	90.3
	Total Col1Ave (4 peaks):				665.5	Total Col2Ave (4 peaks):				479.4 RPD = 33
	Corrected Ave (3 peaks):				448.5	Corrected Ave (3 peaks):				392.1 RPD = 13
Aroclor-1254	1	9.302	-0.020	301531	723.4	1	9.454	-0.013	159098	933.8
Aroclor-1254	2	9.376	-0.026	133853	825.7	2	9.972	-0.015	58231	425.1
Aroclor-1254	3	9.671	-0.023	157599	598.6	3	10.120	-0.020	274574	932.6
Aroclor-1254	4	9.801	-0.030	389440	758.9	4	10.367	-0.022	335673	1100.8
Aroclor-1254	5	10.134	-0.055	515010	1464.1	5	10.569	-0.017	229569	1561.0
	Total Col1Ave (5 peaks):				874.1	Total Col2Ave (5 peaks):				990.7 RPD = 12
	Corrected Ave (4 peaks):				726.7	Corrected Ave (4 peaks):				848.1 RPD = 15
Aroclor-1260	1	11.046	-0.016	123750	730.2	1	11.659	-0.011	124204	736.2
Aroclor-1260	2	11.360	-0.017	106752	609.0	2	11.919	-0.014	245727	580.4
Aroclor-1260	3	11.731	-0.021	296336	643.4	3	12.440	-0.012	73542	652.3
Aroclor-1260	4	12.132	-0.027	179246	764.2	4	12.503	-0.013	166080	588.5
Aroclor-1260	5	12.246	-0.015	61729	642.9	NS	---			----
	Total Col1Ave (5 peaks):				678.0	Total Col2Ave (4 peaks):				639.4 RPD = 6
	Corrected Ave (4 peaks):				656.4	Corrected Ave (3 peaks):				607.1 RPD = 8
Aroclor-1262	1	---			0.0	1	11.205	-0.012	90161	371.0
Aroclor-1262	2	---			0.0	2	11.659	-0.011	124204	590.1
Aroclor-1262	3	---			0.0	3	12.440	-0.012	73542	316.8
Aroclor-1262	4	---			0.0	4	12.503	-0.016	166080	456.7
	Col1Ave: <3 Quant Peaks					Col2Ave: 433.6				
Aroclor-1268	1	---			0.0	1	12.440	-0.010	73542	121.9
Aroclor-1268	2	---			0.0	2	12.503	-0.014	166080	268.5
Aroclor-1268	3	---			0.0	3	12.901	-0.009	3916	17.1
Aroclor-1268	4	---			0.0	4	13.715	-0.011	19506	11.8
	Col1Ave: <3 Quant Peaks					Col2Ave: 104.8				

Total PCB Area Col1 (5.936 - 13.808) = 6585616 Col1 Total PCB = 1.5 ppm*

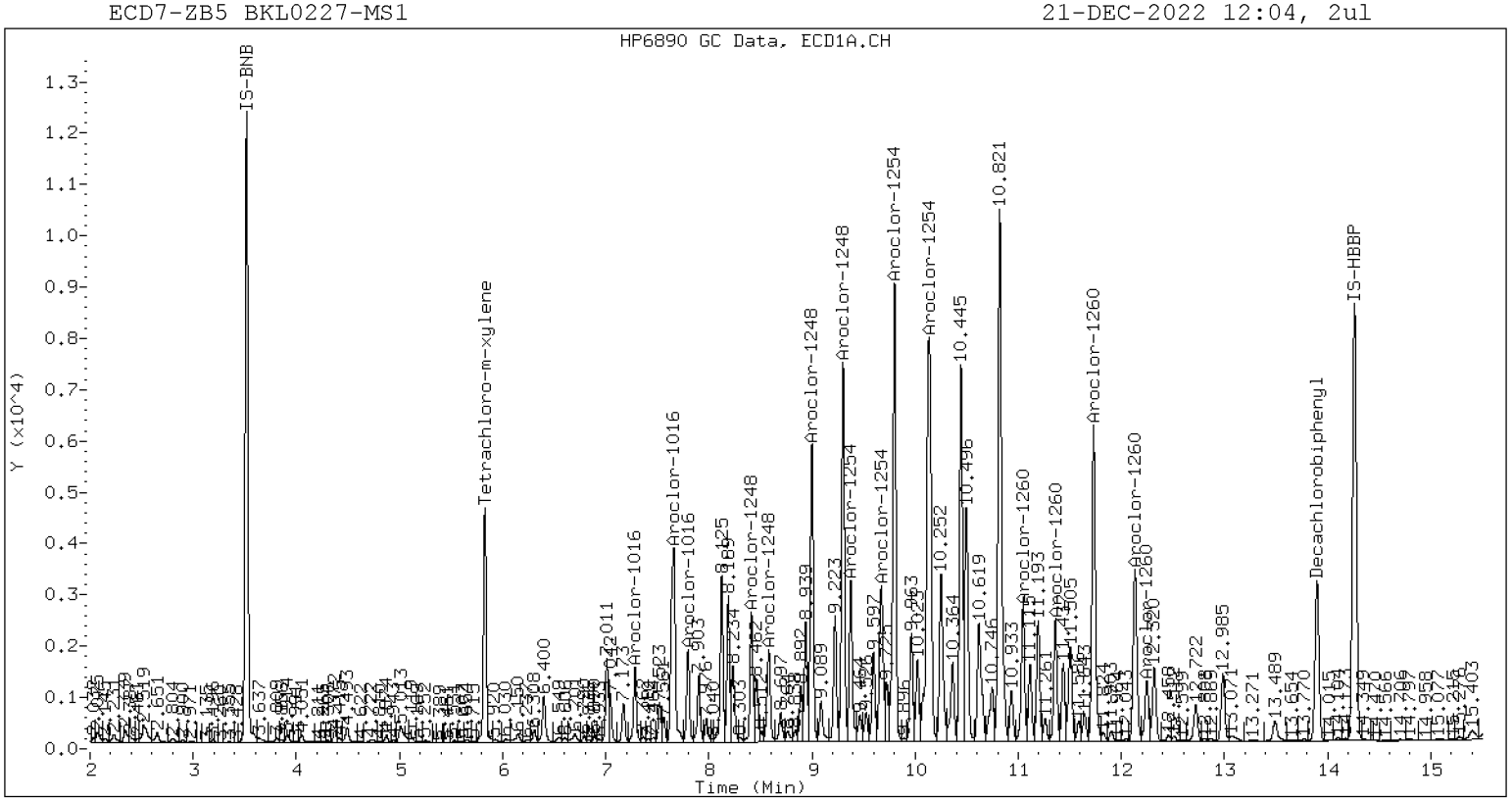
Total PCB Area Col2 (5.813 - 14.037) = 4402454 Col2 Total PCB = 1.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

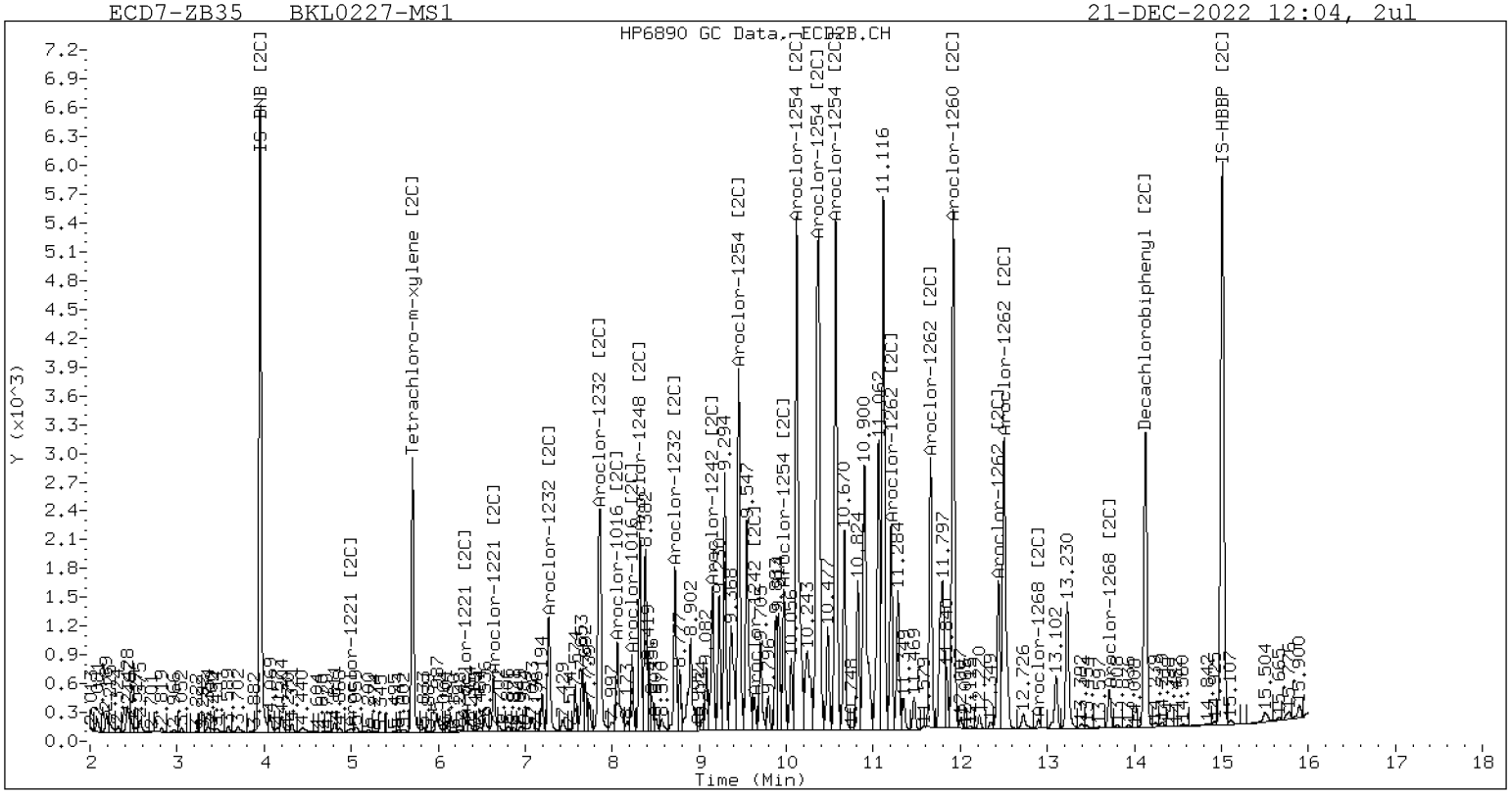
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-MS1 21-DEC-2022 12:04, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-MS1 21-DEC-2022 12:04, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202268ECD7.D
Data file 2: /221220.b/221220.b/12202268ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-MSD1
Client ID:
Injection Date: 21-DEC-2022 12:26
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.828	-0.008	180340	5.705	-0.008	111654	25.8	30.4	16.6	Tetrachloro-m-xylene
13.897	-0.011	166846	14.128	-0.009	158250	40.0	35.1	12.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	494201	10.4
Hexabromobiphenyl	798898	455100	-43.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	267937	7.6
Hexabromobiphenyl	362541	317192	-12.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.284	-0.010	84107	510.2	1	7.271	-0.004	62751	458.1
Aroclor-1016	2	7.659	-0.025	212988	400.2	2	7.858	-0.013	134824	456.3
Aroclor-1016	3	7.797	-0.020	74288	308.0	3	8.059	-0.011	48540	382.6
Aroclor-1016	4	8.413	-0.016	101480	660.0	4	8.228	-0.013	30041	450.3
Total Col1Ave (4 peaks):		469.6				Total Col2Ave (4 peaks):			436.8	RPD = 7
Corrected Ave (3 peaks):		406.1				Corrected Ave (3 peaks):			429.7	RPD = 6
Aroclor-1221	1	4.758	-0.002	2143	52.5	1	4.973	-0.014	2385	105.5
Aroclor-1221	2	6.147	-0.011	11811	164.1	2	6.362	0.040	30073	697.8
Aroclor-1221	3	6.400	-0.009	50381	303.4	3	6.638	-0.008	24307	335.2
Total Col1Ave (3 peaks):		173.3				Total Col2Ave (3 peaks):			379.5	RPD = 75*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.758	-0.003	2143	87.2	1	4.973	-0.016	2385	183.0
Aroclor-1232	2	6.147	-0.012	11811	227.4	2	7.271	-0.006	62751	943.1
Aroclor-1232	3	7.659	-0.024	212988	913.2	3	7.858	-0.019	134824	1036.5
Aroclor-1232	4	8.582	-0.023	85815	867.2	4	8.722	-0.012	68194	1933.6
Total Col1Ave (4 peaks):		523.7				Total Col2Ave (4 peaks):			1024.0	RPD = 65*
Corrected Ave (3 peaks):		393.9				Corrected Ave (3 peaks):			720.9	RPD = 59*
Aroclor-1242	1	7.284	-0.011	84107	600.4	1	7.271	-0.006	62751	553.4
Aroclor-1242	2	7.659	-0.026	212988	478.9	2	7.858	-0.017	134824	560.1
Aroclor-1242	3	8.413	-0.017	101480	793.0	3	9.154	-0.024	64630	832.2
Aroclor-1242	4	9.000	-0.032	243100	914.9	4	9.633	0.027	13388	143.4
Total Col1Ave (4 peaks):		696.8				Total Col2Ave (4 peaks):			522.3	RPD = 29
Corrected Ave (3 peaks):		624.1				Corrected Ave (3 peaks):			419.0	RPD = 39
Aroclor-1248	1	8.413	-0.014	101480	477.6	1	8.316	-0.010	80118	731.9
Aroclor-1248	2	8.582	-0.022	85815	316.3	2	8.722	-0.010	68194	592.4
Aroclor-1248	3	9.000	-0.023	243100	498.1	3	9.154	-0.024	64630	461.5
Aroclor-1248	4	9.302	-0.009	293485	1227.4	4	9.633	0.030	13388	81.4
Total Col1Ave (4 peaks):		629.9				Total Col2Ave (4 peaks):			466.8	RPD = 30
Corrected Ave (3 peaks):		430.7				Corrected Ave (3 peaks):			378.4	RPD = 13
Aroclor-1254	1	9.302	-0.019	293485	674.5	1	9.454	-0.013	153795	890.3
Aroclor-1254	2	9.376	-0.025	131526	777.2	2	9.972	-0.014	55514	399.7
Aroclor-1254	3	9.670	-0.024	155041	564.1	3	10.120	-0.020	267756	896.9
Aroclor-1254	4	9.800	-0.030	376072	702.0	4	10.365	-0.024	323497	1046.3
Aroclor-1254	5	10.135	-0.054	500086	1361.8	5	10.569	-0.017	223228	1497.0
Total Col1Ave (5 peaks):		815.9				Total Col2Ave (5 peaks):			946.0	RPD = 15
Corrected Ave (4 peaks):		679.5				Corrected Ave (4 peaks):			808.3	RPD = 17
Aroclor-1260	1	11.047	-0.016	119833	723.4	1	11.659	-0.010	118630	708.5
Aroclor-1260	2	11.360	-0.017	102378	597.5	2	11.920	-0.013	239975	571.2
Aroclor-1260	3	11.732	-0.020	288876	641.7	3	12.440	-0.012	68719	614.2
Aroclor-1260	4	12.131	-0.027	163666	713.9	4	12.502	-0.015	160566	573.3
Aroclor-1260	5	12.246	-0.015	58919	627.8	NS	---			----
Total Col1Ave (5 peaks):		660.9				Total Col2Ave (4 peaks):			616.8	RPD = 7
Corrected Ave (4 peaks):		645.2				Corrected Ave (3 peaks):			586.2	RPD = 10
Aroclor-1262	1	10.821	-0.027	490912	3225.6	1	11.205	-0.013	87420	362.5
Aroclor-1262	2	12.246	-0.017	58919	249.0	2	11.659	-0.011	118630	567.9
Aroclor-1262	3	12.319	-0.017	68867	272.5	3	12.440	-0.012	68719	298.2
Aroclor-1262	4	12.984	-0.021	66749	329.1	4	12.502	-0.017	160566	444.9
Total Col1Ave (4 peaks):		1019.1				Total Col2Ave (4 peaks):			418.4	RPD = 84*
Corrected Ave (3 peaks):		283.6				Corrected Ave (3 peaks):			368.5	RPD = 26
Aroclor-1268	1	12.246	-0.016	58919	92.5	1	12.440	-0.010	68719	114.8
Aroclor-1268	2	12.319	-0.016	68867	110.6	2	12.502	-0.015	160566	261.5
Aroclor-1268	3	12.722	0.005	36342	71.2	3	12.900	-0.010	3855	16.9
Aroclor-1268	4	13.489	-0.016	25892	16.6	4	13.714	-0.012	19329	11.8
Total Col1Ave (4 peaks):		72.7				Total Col2Ave (4 peaks):			101.3	RPD = 33

Corrected Ave (3 peaks): 60.1 Corrected Ave (3 peaks): 47.8 RPD = 23

Total PCB Area Col1 (5.936 - 13.808) = 6668948 Col1 Total PCB = 1.4 ppm*

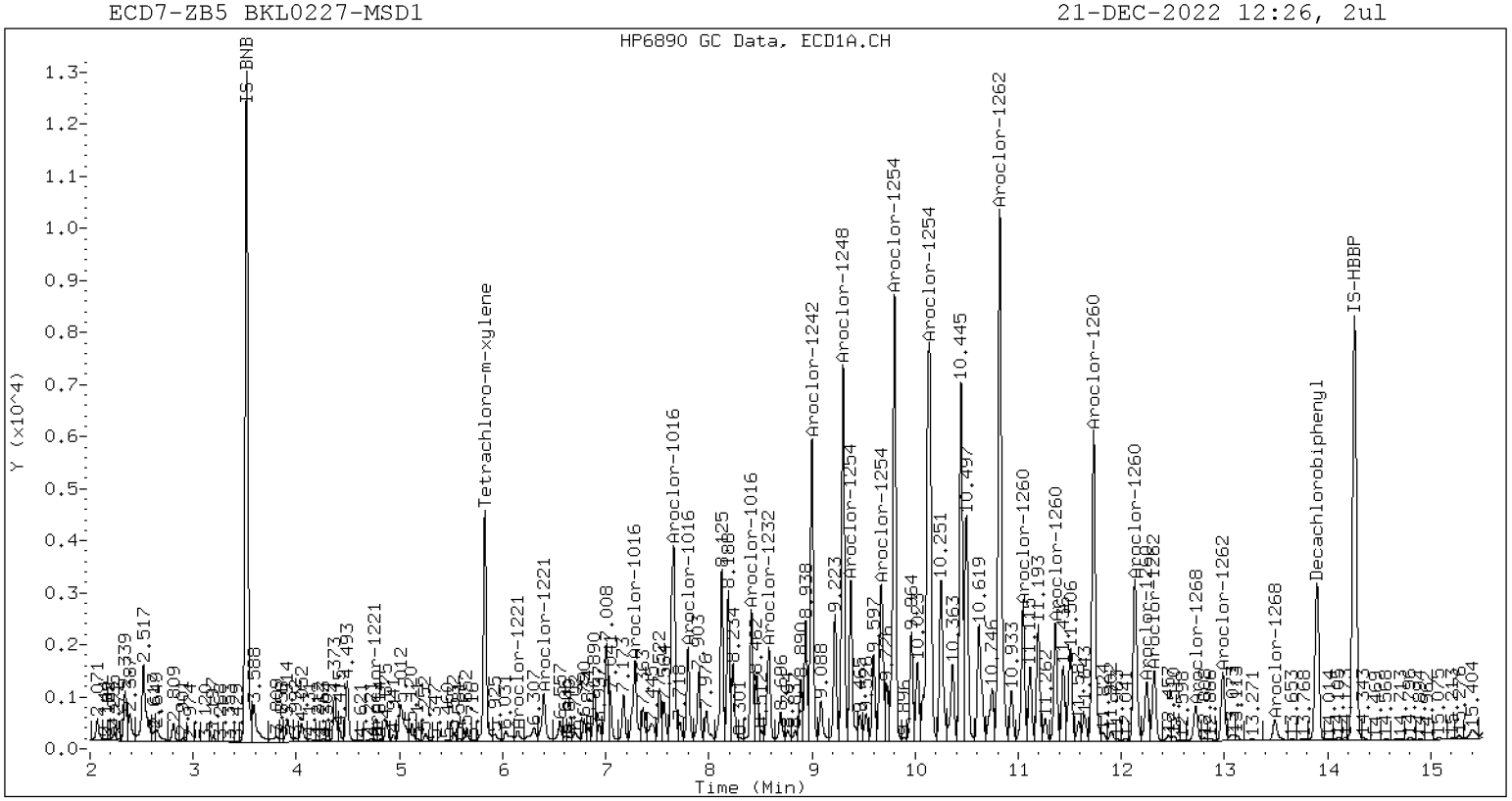
Total PCB Area Col2 (5.813 - 14.037) = 4393486 Col2 Total PCB = 1.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

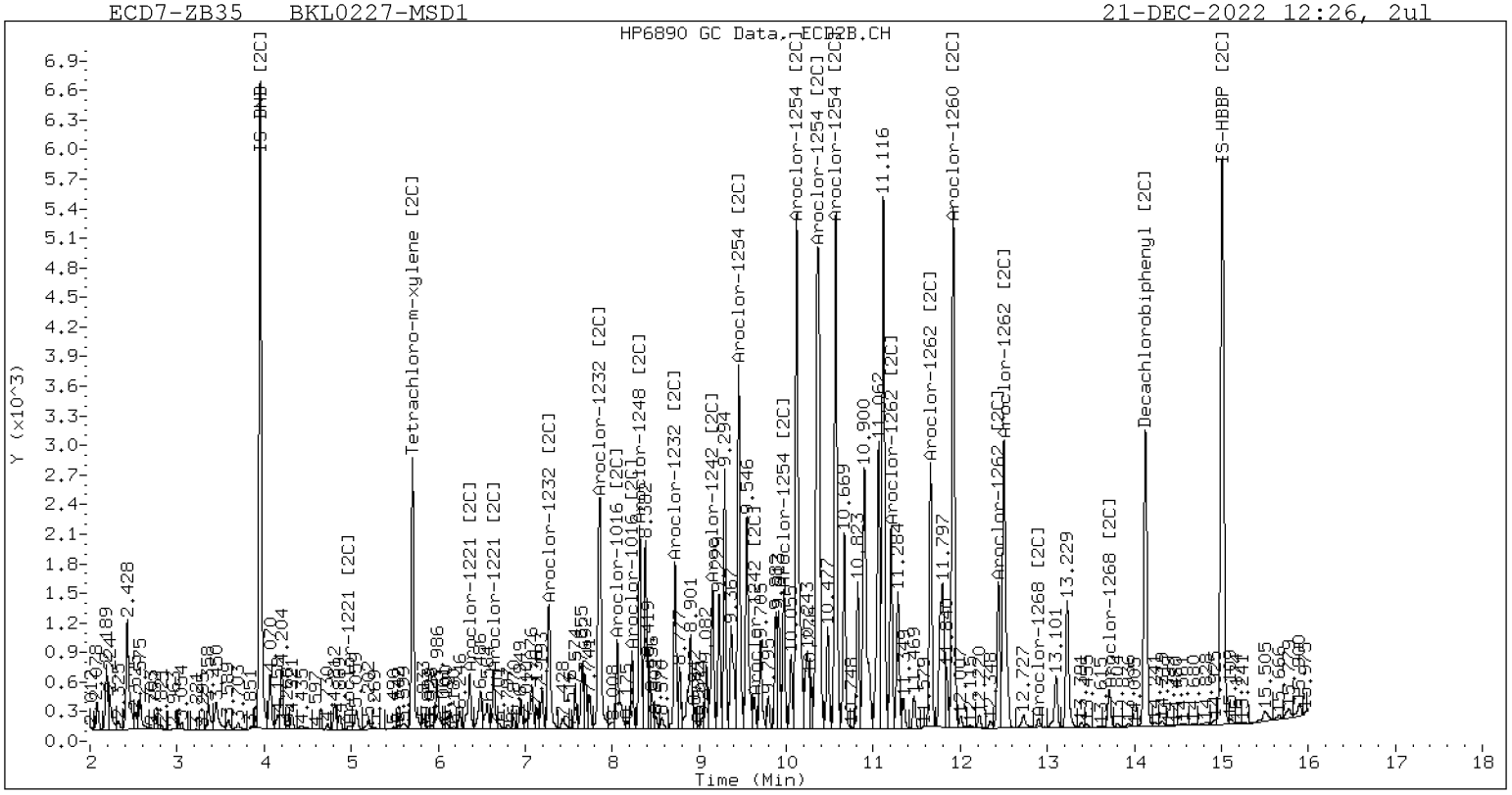
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-MSD1 21-DEC-2022 12:26, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-MSD1 21-DEC-2022 12:26, 2ul



ZB-35 Manual Integration: NO

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 05:22
Batch:	BKL0282	Laboratory ID:	BKL0282-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	17.49 g / 2.5 mL	Source Sample:	LDW22-SC769K

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #		QC LIMITS REC.
Aroclor 1016 [2C]	101	ND	U	148	*	147	*	56 - 120
Aroclor 1260	101	90.6		171		79.7		58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/21/22 05:43
Batch:	BKL0282	Laboratory ID:	BKL0282-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	17.48 g / 2.5 mL	Source Sample:	LDW22-SC769K

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016 [2C]	101	148	*	147	*	0.214	30	56 - 120
Aroclor 1260	101	178		87.1		4.26	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202248ECD7.D
Data file 2: /221220.b/221220.b/12202248ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-MS1
Client ID:
Injection Date: 21-DEC-2022 05:22
Report Date: 02/09/2023 21:36
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.829	-0.007	167476	5.707	-0.006	103677	24.7	28.4	14.2	Tetrachloro-m-xylene
13.896	-0.011	159009	14.128	-0.009	152658	39.3	34.9	11.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	478983	7.0
Hexabromobiphenyl	798898	441594	-44.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	265991	6.8
Hexabromobiphenyl	362541	308159	-15.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	7.285	-0.009	94111	589.0	1	7.271	-0.004	95235	700.3
Aroclor-1016	2	7.659	-0.026	398874	773.2	2	7.858	-0.012	249211	849.7
Aroclor-1016	3	7.798	-0.019	119035	509.2	3	8.059	-0.011	80090	635.8
Aroclor-1016	4	8.414	-0.015	180457	1210.9	4	8.228	-0.013	50919	768.8
	Total Col1Ave (4 peaks):				770.6	Total Col2Ave (4 peaks):				738.6 RPD = 4
	Corrected Ave (3 peaks):				623.8	Corrected Ave (3 peaks):				701.6 RPD = 12
Aroclor-1221	1	---			0.0	1	4.974	-0.013	515	22.9
Aroclor-1221	2	---			0.0	2	6.317	-0.005	5904	138.0
Aroclor-1221	3	---			0.0	3	6.638	-0.007	30804	427.8
	Col1Ave: <3 Quant Peaks					Col2Ave: 196.3				
Aroclor-1232	1	---			0.0	1	4.974	-0.016	515	39.8
Aroclor-1232	2	---			0.0	2	7.271	-0.006	95235	1441.8
Aroclor-1232	3	---			0.0	3	7.858	-0.018	249211	1929.9
Aroclor-1232	4	---			0.0	4	8.722	-0.012	128096	3658.6
	Col1Ave: <3 Quant Peaks					Col2Ave: 1767.5				
Aroclor-1242	1	---			0.0	1	7.271	-0.006	95235	846.0
Aroclor-1242	2	---			0.0	2	7.858	-0.016	249211	1042.8
Aroclor-1242	3	---			0.0	3	9.154	-0.024	119411	1548.8
Aroclor-1242	4	---			0.0	4	9.633	0.027	14083	152.0
	Col1Ave: <3 Quant Peaks					Col2Ave: 897.4				
Aroclor-1248	1	8.414	-0.013	180457	876.2	1	8.317	-0.009	138006	1270.0
Aroclor-1248	2	8.581	-0.023	167289	636.2	2	8.722	-0.010	128096	1120.8
Aroclor-1248	3	8.999	-0.024	399670	844.9	3	9.154	-0.024	119411	858.9
Aroclor-1248	4	9.302	-0.009	406205	1752.8	4	9.633	0.030	14083	86.3
	Total Col1Ave (4 peaks):				1027.6	Total Col2Ave (4 peaks):				834.0 RPD = 21
	Corrected Ave (3 peaks):				785.8	Corrected Ave (3 peaks):				688.7 RPD = 13
Aroclor-1254	1	9.302	-0.019	406205	963.2	1	9.454	-0.013	210962	1230.1
Aroclor-1254	2	9.376	-0.025	160822	980.5	2	9.972	-0.015	100505	728.9
Aroclor-1254	3	9.670	-0.024	253850	953.0	3	10.120	-0.019	377509	1273.8
Aroclor-1254	4	9.801	-0.030	510349	982.9	4	10.369	-0.021	410691	1338.0
Aroclor-1254	5	10.134	-0.055	598784	1682.4	5	10.570	-0.017	270740	1828.9
	Total Col1Ave (5 peaks):				1112.4	Total Col2Ave (5 peaks):				1280.0 RPD = 14
	Corrected Ave (4 peaks):				969.9	Corrected Ave (4 peaks):				1142.7 RPD = 16
Aroclor-1260	1	11.046	-0.016	150609	937.0	1	11.658	-0.011	156238	960.5
Aroclor-1260	2	11.361	-0.017	130080	782.4	2	11.919	-0.013	305252	747.8
Aroclor-1260	3	11.731	-0.020	351989	805.8	3	12.440	-0.012	90690	834.4
Aroclor-1260	4	12.132	-0.026	200499	901.3	4	12.501	-0.015	204346	751.0
Aroclor-1260	5	12.246	-0.015	77269	848.5	NS	---			----
	Total Col1Ave (5 peaks):				855.0	Total Col2Ave (4 peaks):				823.4 RPD = 4
	Corrected Ave (4 peaks):				834.5	Corrected Ave (3 peaks):				777.7 RPD = 7
Aroclor-1262	1	---			0.0	1	11.205	-0.012	111549	476.1
Aroclor-1262	2	---			0.0	2	11.658	-0.012	156238	769.9
Aroclor-1262	3	---			0.0	3	12.440	-0.012	90690	405.1
Aroclor-1262	4	---			0.0	4	12.501	-0.018	204346	582.8
	Col1Ave: <3 Quant Peaks					Col2Ave: 558.5				
Aroclor-1268	1	---			0.0	1	12.440	-0.010	90690	155.9
Aroclor-1268	2	---			0.0	2	12.501	-0.016	204346	342.6
Aroclor-1268	3	---			0.0	3	12.900	-0.010	5908	26.7
Aroclor-1268	4	---			0.0	4	13.714	-0.012	28251	17.7
	Col1Ave: <3 Quant Peaks					Col2Ave: 135.7				

Total PCB Area Col1 (5.936 - 13.808) = 8883458 Col1 Total PCB = 1.9 ppm*

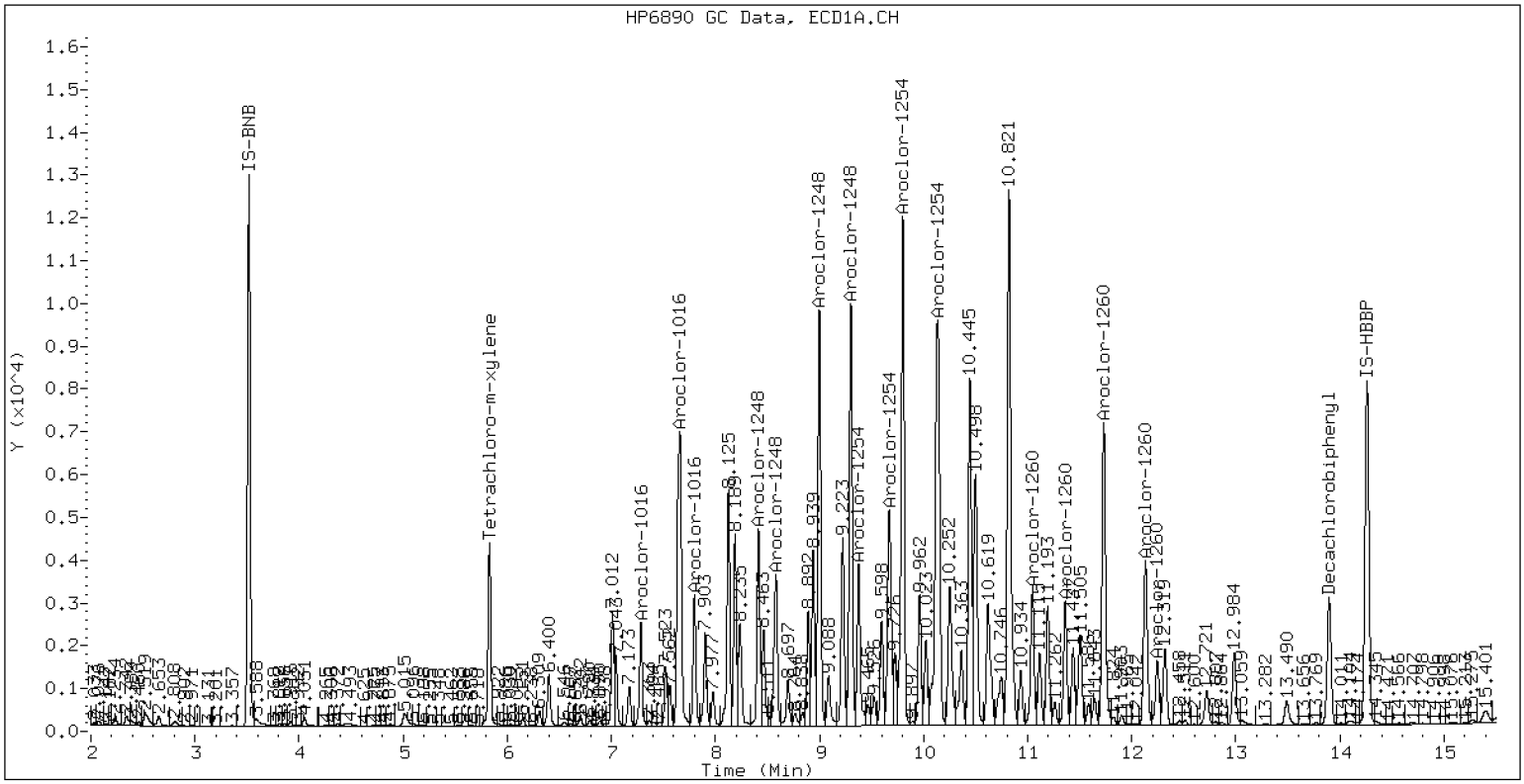
Total PCB Area Col2 (5.813 - 14.037) = 6046373 Col2 Total PCB = 2.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

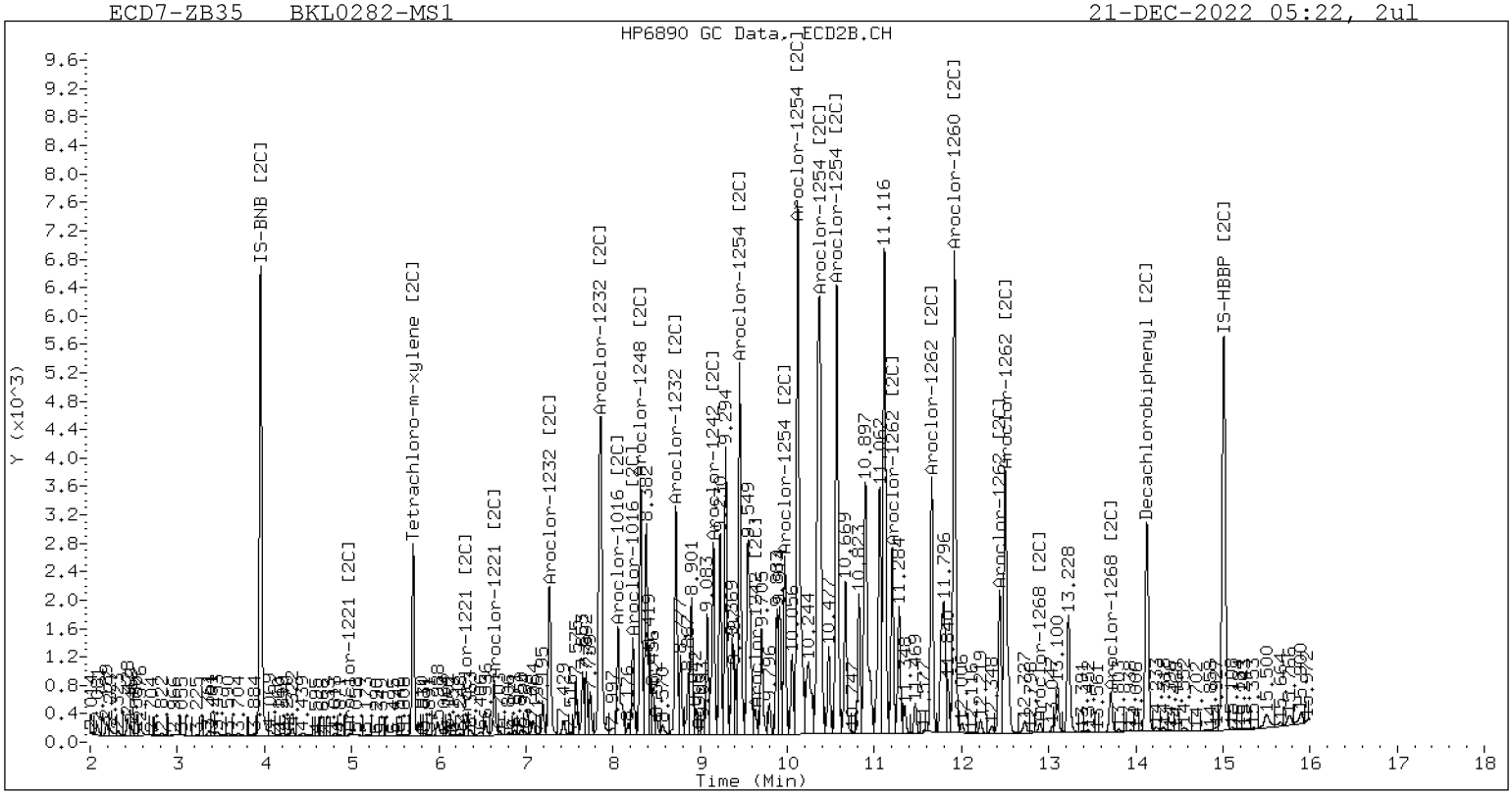
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-MS1 21-DEC-2022 05:22, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0282-MS1 21-DEC-2022 05:22, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202249ECD7.D
Data file 2: /221220.b/221220.b/12202249ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-MSD1
Client ID:
Injection Date: 21-DEC-2022 05:43
Report Date: 02/09/2023 21:36
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	162779	5.707	-0.006	101260	24.6	28.2	13.4	Tetrachloro-m-xylene
13.897	-0.010	154067	14.128	-0.009	148789	38.9	34.9	10.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	466056	4.1
Hexabromobiphenyl	798898	431570	-46.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	262084	5.2
Hexabromobiphenyl	362541	300029	-17.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.285	-0.010	90655	583.1	1	7.271	-0.004	92770	692.3
Aroclor-1016	2	7.660	-0.025	396245	789.4	2	7.857	-0.013	247750	857.3
Aroclor-1016	3	7.799	-0.019	116972	514.3	3	8.059	-0.011	78881	635.6
Aroclor-1016	4	8.414	-0.016	186987	1289.6	4	8.228	-0.013	50513	774.0
	Total Col1Ave (4 peaks):				794.1	Total Col2Ave (4 peaks):				739.8 RPD = 7
	Corrected Ave (3 peaks):				628.9	Corrected Ave (3 peaks):				700.6 RPD = 11
Aroclor-1221	1	---			0.0	1	4.975	-0.012	4678	211.5
Aroclor-1221	2	---			0.0	2	6.316	-0.005	5714	135.5
Aroclor-1221	3	---			0.0	3	6.639	-0.007	29952	422.2
	Col1Ave: <3 Quant Peaks					Col2Ave: 256.4				
Aroclor-1232	1	---			0.0	1	4.975	-0.014	4678	367.1
Aroclor-1232	2	---			0.0	2	7.271	-0.006	92770	1425.4
Aroclor-1232	3	---			0.0	3	7.857	-0.019	247750	1947.2
Aroclor-1232	4	---			0.0	4	8.723	-0.011	133264	3862.9
	Col1Ave: <3 Quant Peaks					Col2Ave: 1900.6				
Aroclor-1242	1	---			0.0	1	7.271	-0.006	92770	836.4
Aroclor-1242	2	---			0.0	2	7.857	-0.017	247750	1052.2
Aroclor-1242	3	---			0.0	3	9.153	-0.024	127418	1677.3
Aroclor-1242	4	---			0.0	4	9.632	0.027	15913	174.3
	Col1Ave: <3 Quant Peaks					Col2Ave: 935.0				
Aroclor-1248	1	8.414	-0.014	186987	933.1	1	8.317	-0.009	145667	1360.5
Aroclor-1248	2	8.582	-0.023	169729	663.4	2	8.723	-0.010	133264	1183.4
Aroclor-1248	3	8.999	-0.023	434423	943.9	3	9.153	-0.024	127418	930.2
Aroclor-1248	4	9.302	-0.009	448943	1991.0	4	9.632	0.030	15913	99.0
	Total Col1Ave (4 peaks):				1132.8	Total Col2Ave (4 peaks):				893.3 RPD = 24
	Corrected Ave (3 peaks):				846.8	Corrected Ave (3 peaks):				737.5 RPD = 14
Aroclor-1254	1	9.302	-0.019	448943	1094.1	1	9.454	-0.013	233939	1384.4
Aroclor-1254	2	9.376	-0.025	174716	1094.8	2	9.972	-0.015	115418	849.6
Aroclor-1254	3	9.670	-0.024	285054	1099.8	3	10.120	-0.019	426172	1459.4
Aroclor-1254	4	9.801	-0.029	578092	1144.3	4	10.368	-0.021	457139	1511.6
Aroclor-1254	5	10.135	-0.054	661464	1910.1	5	10.569	-0.017	292915	2008.2
	Total Col1Ave (5 peaks):				1268.6	Total Col2Ave (5 peaks):				1442.6 RPD = 13
	Corrected Ave (4 peaks):				1108.2	Corrected Ave (4 peaks):				1301.2 RPD = 16
Aroclor-1260	1	11.046	-0.016	152353	969.8	1	11.659	-0.011	169222	1068.5
Aroclor-1260	2	11.360	-0.017	133904	824.1	2	11.919	-0.013	317871	799.9
Aroclor-1260	3	11.731	-0.021	364308	853.4	3	12.439	-0.012	91371	863.4
Aroclor-1260	4	12.131	-0.027	208879	960.8	4	12.502	-0.014	210897	796.1
Aroclor-1260	5	12.246	-0.016	75694	850.5	NS	---			----
	Total Col1Ave (5 peaks):				891.7	Total Col2Ave (4 peaks):				882.0 RPD = 1
	Corrected Ave (4 peaks):				872.2	Corrected Ave (3 peaks):				819.8 RPD = 6
Aroclor-1262	1	---			0.0	1	11.205	-0.012	114075	500.0
Aroclor-1262	2	---			0.0	2	11.659	-0.011	169222	856.5
Aroclor-1262	3	---			0.0	3	12.439	-0.012	91371	419.2
Aroclor-1262	4	---			0.0	4	12.502	-0.017	210897	617.7
	Col1Ave: <3 Quant Peaks					Col2Ave: 598.4				
Aroclor-1268	1	---			0.0	1	12.439	-0.010	91371	161.3
Aroclor-1268	2	---			0.0	2	12.502	-0.015	210897	363.2
Aroclor-1268	3	---			0.0	3	12.900	-0.010	5230	24.3
Aroclor-1268	4	---			0.0	4	13.714	-0.012	24566	15.9
	Col1Ave: <3 Quant Peaks					Col2Ave: 141.2				

Total PCB Area Col1 (5.936 - 13.808) = 9436868 Col1 Total PCB = 2.1 ppm*

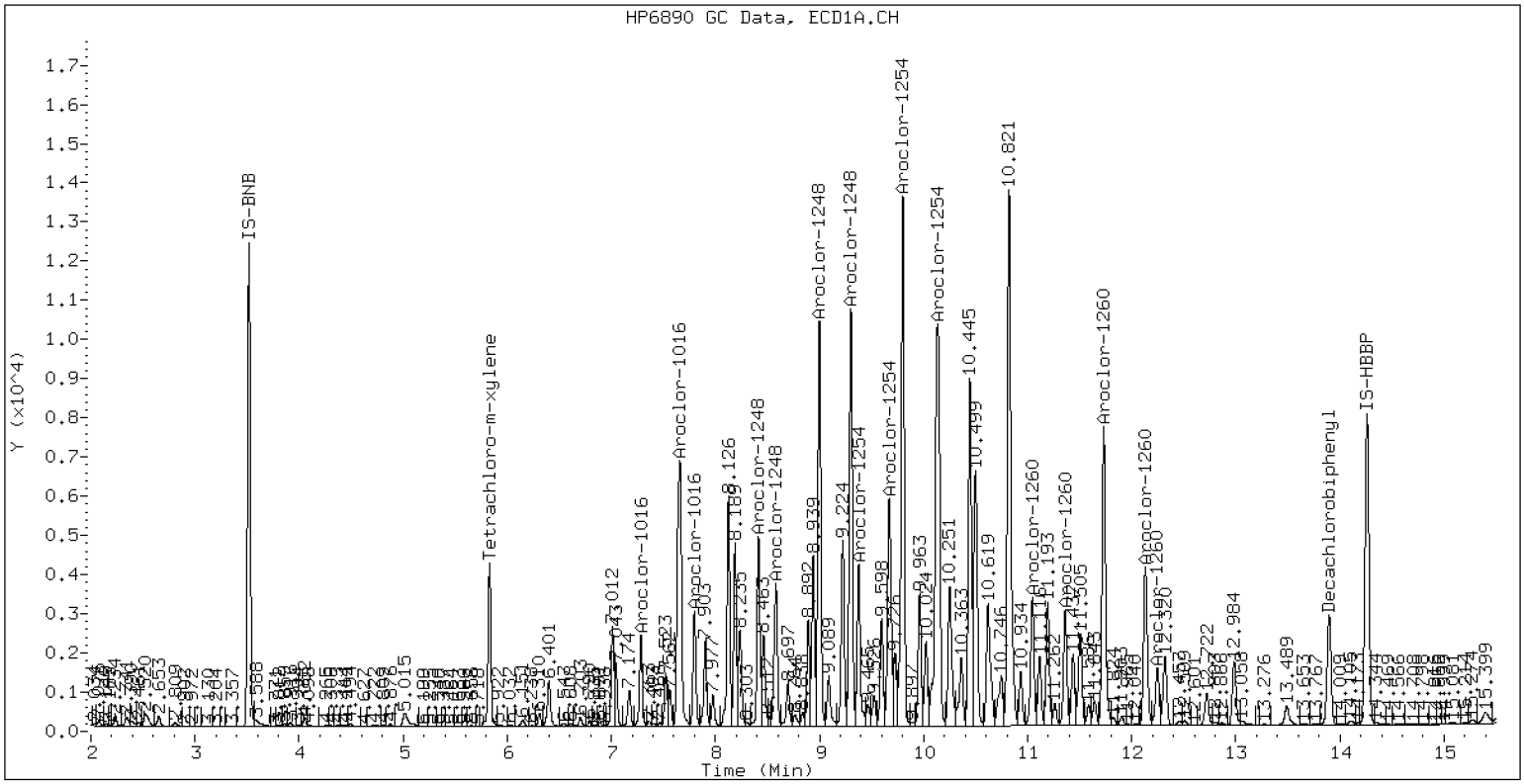
Total PCB Area Col2 (5.813 - 14.037) = 6464314 Col2 Total PCB = 2.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

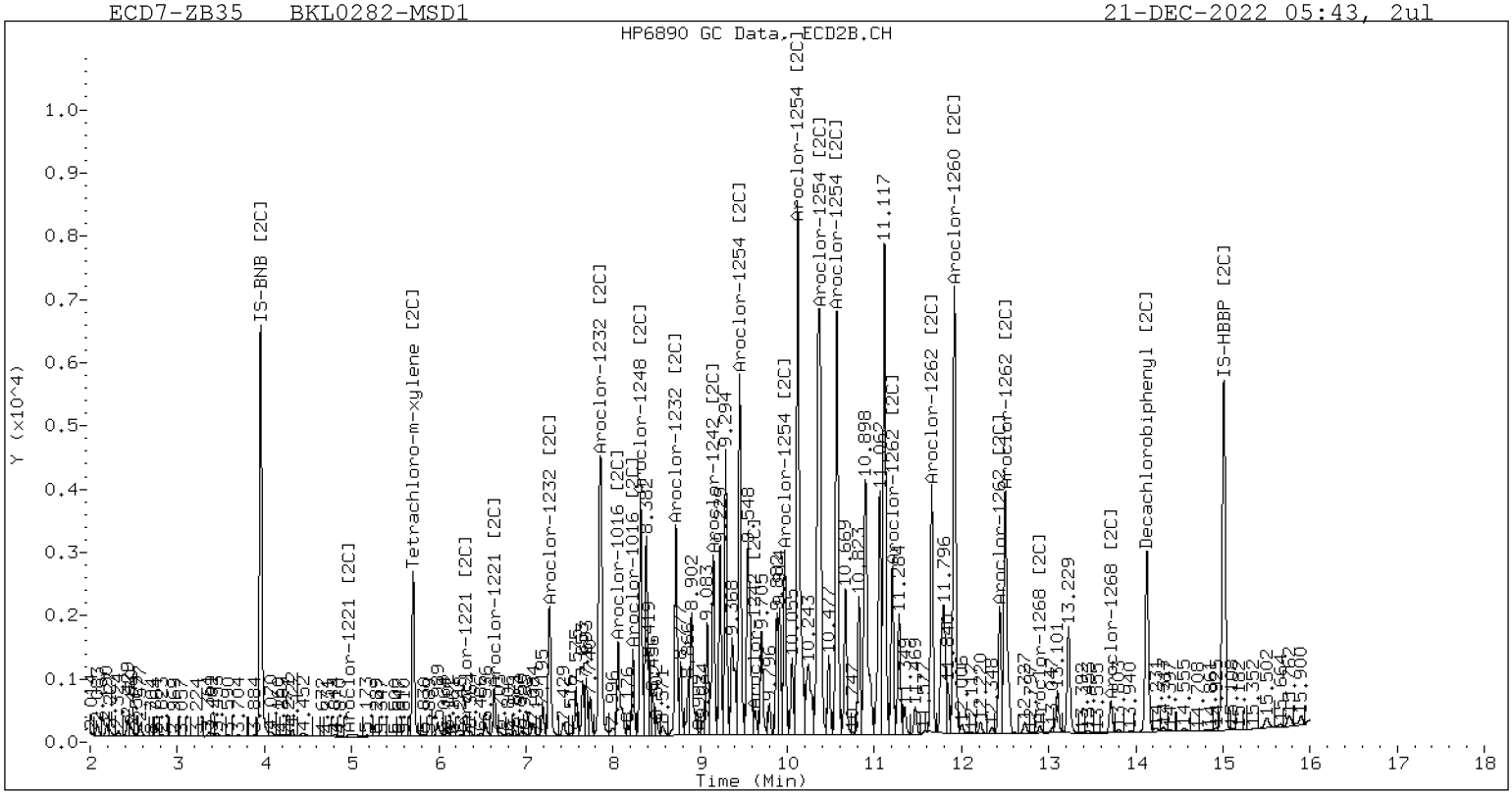
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-MSD1 21-DEC-2022 05:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0282-MSD1 21-DEC-2022 05:43, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0197-SRM1
Batch: BKL0197
Initial/Final: 2.5 g / 2.5 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 12/22/2022 6:14
Standard ID: K010815
Expires: 05/17/2023
Standard Lot#: PSRM0164
Description: Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	108	2.9	20.0		99.7	38 - 167
Aroclor 1260 [2C]	108.00	104	2.9	20.0		95.9	38 - 167

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212242ECD7.D
Data file 2: /221221.b/221221.b/12212242ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0197-SRM1
Client ID:
Injection Date: 22-DEC-2022 06:14
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	244100	5.708	-0.002	136261	30.6	30.9	0.8	Tetrachloro-m-xylene
13.899	-0.005	290449	14.128	-0.004	217686	38.2	33.6	12.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	562671	25.7
Hexabromobiphenyl	798898	829710	3.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	322149	29.3
Hexabromobiphenyl	362541	456170	25.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.324	0.034	2523	13.4	1	7.280	0.006	8357	50.7
Aroclor-1016	2	7.667	-0.010	9148	15.1	2	7.862	-0.010	6894	19.4
Aroclor-1016	3	7.814	0.003	5555	20.2	3	8.064	-0.006	4462	29.2
Aroclor-1016	4	8.417	-0.006	10252	58.6	4	8.231	-0.012	85023	1059.9
Total Col1Ave (4 peaks):				26.8		Total Col2Ave (4 peaks):			289.8	RPD = 166*
Corrected Ave (3 peaks):				16.3		Corrected Ave (3 peaks):			33.1	RPD = 68*
Aroclor-1221	1	4.763	0.003	296	6.4	1	4.974	-0.013	1472	54.1
Aroclor-1221	2	6.193	0.035	950	11.6	2	6.363	0.041	9496	183.3
Aroclor-1221	3	6.415	0.006	2143	11.3	3	6.661	0.015	4662	53.5
Total Col1Ave (3 peaks):				9.8		Total Col2Ave (3 peaks):			97.0	RPD = 163*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.763	0.002	296	10.6	1	4.974	-0.015	1472	94.0
Aroclor-1232	2	6.193	0.034	950	16.1	2	7.280	0.003	8357	104.5
Aroclor-1232	3	7.667	-0.017	9148	34.4	3	7.862	-0.015	6894	44.1
Aroclor-1232	4	8.579	-0.026	14702	130.5	4	8.720	-0.014	12250	288.9
Total Col1Ave (4 peaks):				47.9		Total Col2Ave (4 peaks):			132.8	RPD = 94*
Corrected Ave (3 peaks):				20.4		Corrected Ave (3 peaks):			80.8	RPD = 120*
Aroclor-1242	1	7.324	0.029	2523	15.8	1	7.280	0.006	8357	61.3
Aroclor-1242	2	7.667	-0.018	9148	18.1	2	7.862	-0.010	6894	23.8
Aroclor-1242	3	8.417	-0.013	10252	70.4	3	9.160	-0.012	11944	127.9
Aroclor-1242	4	9.005	-0.027	31716	104.8	4	9.552	-0.043	21611	192.6
Total Col1Ave (4 peaks):				52.3		Total Col2Ave (4 peaks):			101.4	RPD = 64*
Corrected Ave (3 peaks):				34.8		Corrected Ave (3 peaks):			71.0	RPD = 69*
Aroclor-1248	1	8.417	-0.011	10252	42.4	1	8.319	-0.005	8567	65.1
Aroclor-1248	2	8.579	-0.025	14702	47.6	2	8.720	-0.007	12250	88.5
Aroclor-1248	3	9.005	-0.018	31716	57.1	3	9.160	-0.011	11944	70.9
Aroclor-1248	4	9.305	-0.006	28552	104.9	4	9.552	-0.040	21611	109.3
Total Col1Ave (4 peaks):				63.0		Total Col2Ave (4 peaks):			83.5	RPD = 28
Corrected Ave (3 peaks):				49.0		Corrected Ave (3 peaks):			74.8	RPD = 42*
Aroclor-1254	1	9.305	-0.010	28552	57.6	1	9.456	-0.007	22563	108.6
Aroclor-1254	2	9.381	-0.012	11475	59.6	2	9.975	-0.006	11000	65.9
Aroclor-1254	3	9.676	-0.010	16410	52.4	3	10.123	-0.009	36887	102.8
Aroclor-1254	4	9.807	-0.014	37330	61.2	4	10.376	-0.004	38943	104.8
Aroclor-1254	5	10.128	-0.048	59600	142.6	5	10.571	-0.008	38417	214.3
Total Col1Ave (5 peaks):				74.7		Total Col2Ave (5 peaks):			119.3	RPD = 46*
Corrected Ave (4 peaks):				57.7		Corrected Ave (4 peaks):			95.5	RPD = 49*
Aroclor-1260	1	11.050	-0.006	34406	113.9	1	11.661	-0.005	24205	100.5
Aroclor-1260	2	11.363	-0.012	28534	91.3	2	11.921	-0.006	57587	95.3
Aroclor-1260	3	11.735	-0.013	90150	109.8	3	12.440	-0.007	19658	122.2
Aroclor-1260	4	12.136	-0.012	47604	113.9	4	12.505	-0.007	38766	96.2
Aroclor-1260	5	12.249	-0.007	18692	109.2	NS	---			----
Total Col1Ave (5 peaks):				107.6		Total Col2Ave (4 peaks):			103.6	RPD = 4
Corrected Ave (4 peaks):				106.1		Corrected Ave (3 peaks):			97.4	RPD = 9
Aroclor-1262	1	10.826	-0.022	78327	282.3	1	11.206	-0.011	22720	65.5
Aroclor-1262	2	12.249	-0.014	18692	43.3	2	11.661	-0.009	24205	80.6
Aroclor-1262	3	12.323	-0.014	22999	49.9	3	12.440	-0.011	19658	59.3
Aroclor-1262	4	12.987	-0.018	21722	58.7	4	12.505	-0.015	38766	74.7
Total Col1Ave (4 peaks):				108.6		Total Col2Ave (4 peaks):			70.0	RPD = 43*
Corrected Ave (3 peaks):				50.7		Corrected Ave (3 peaks):			66.5	RPD = 27
Aroclor-1268	1	12.249	-0.014	18692	16.1	1	12.440	-0.009	19658	22.8
Aroclor-1268	2	12.323	-0.012	22999	20.3	2	12.505	-0.013	38766	43.9
Aroclor-1268	3	12.727	0.010	11215	12.0	3	12.900	-0.010	755	2.3
Aroclor-1268	4	13.492	-0.013	4121	1.5	4	13.714	-0.012	4388	1.9
Total Col1Ave (4 peaks):				12.5		Total Col2Ave (4 peaks):			17.7	RPD = 35

Corrected Ave (3 peaks): 9.9 Corrected Ave (3 peaks): 9.0 RPD = 9

Total PCB Area Col1 (5.933 - 13.804) = 4486954 Col1 Total PCB = 0.8 ppm*

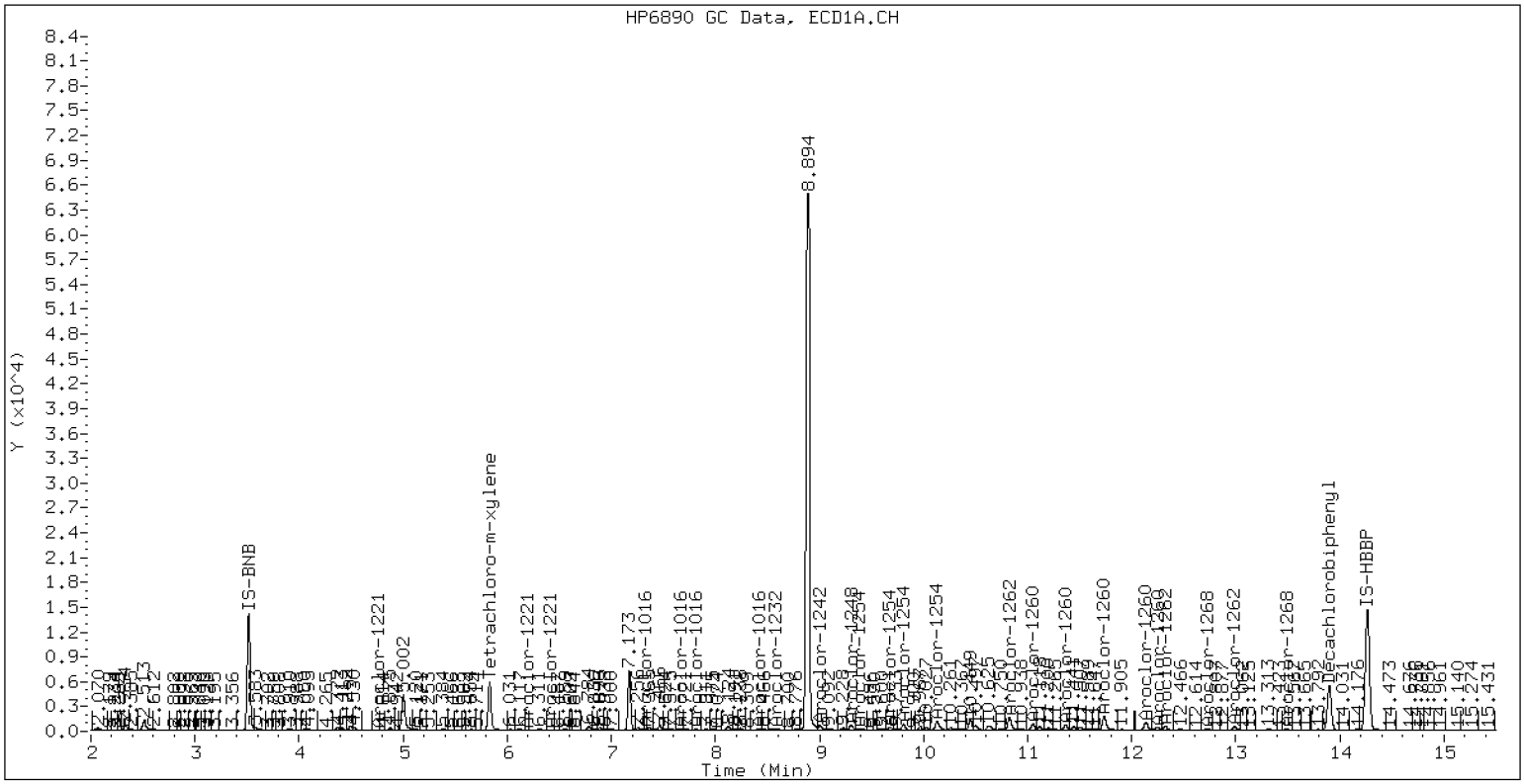
Total PCB Area Col2 (5.810 - 14.032) = 1789326 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

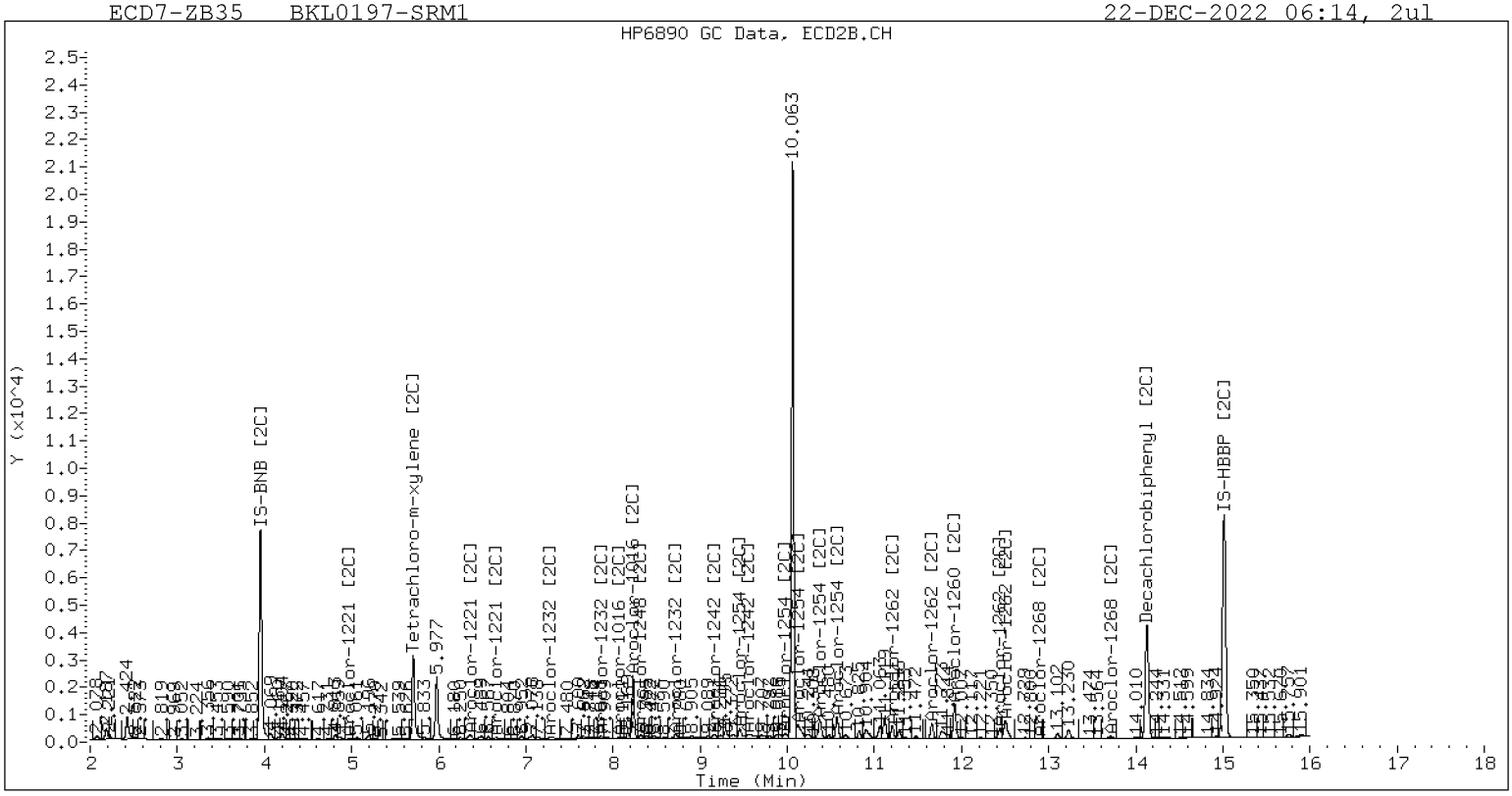
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0197-SRM1 22-DEC-2022 06:14, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0197-SRM1 22-DEC-2022 06:14, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0226-SRM1
Batch: BKL0226
Initial/Final: 2.5 g / 2.5 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 12/20/2022 10:02
Standard ID: K003635
Expires: 10/15/2022
Standard Lot#: PSRM0152
Description: Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	124	2.9	20.0		114	38 - 167
Aroclor 1260 [2C]	108.00	117	2.9	20.0		109	38 - 167

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192256ECD7.D
Data file 2: /221219.b/221219.b/12192256ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0226-SRM1
Client ID:
Injection Date: 20-DEC-2022 10:02
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.830	-0.006	252777	5.708	-0.006	141380	32.4	33.4	2.9	Tetrachloro-m-xylene
13.898	-0.010	256624	14.128	-0.009	209550	41.5	37.1	11.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	549947	22.9
Hexabromobiphenyl	798898	674609	-15.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	308872	24.0
Hexabromobiphenyl	362541	397424	9.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.256	-0.038	15645	85.3	1	7.280	0.005	7630	48.3
Aroclor-1016	2	7.666	-0.018	8500	14.4	2	7.860	-0.010	5614	16.5
Aroclor-1016	3	7.818	0.001	5338	19.9	3	8.063	-0.007	1739	11.9
Aroclor-1016	4	8.417	-0.012	9223	53.9	4	8.232	-0.010	2072	26.9
Total Col1Ave (4 peaks):					43.4	Total Col2Ave (4 peaks):				25.9 RPD = 50*
Corrected Ave (3 peaks):					29.4	Corrected Ave (3 peaks):				18.4 RPD = 46*
Aroclor-1221	1	4.725	-0.035	193	4.2	1	4.968	-0.019	1005	38.6
Aroclor-1221	2	6.185	0.027	1152	14.4	2	6.364	0.042	12032	242.2
Aroclor-1221	3	6.414	0.005	2660	14.4	3	6.657	0.012	3154	37.7
Total Col1Ave (3 peaks):					11.0	Total Col2Ave (3 peaks):				106.2 RPD = 162*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.725	-0.036	193	7.1	1	4.968	-0.021	1005	66.9
Aroclor-1232	2	6.185	0.026	1152	19.9	2	7.280	0.003	7630	99.5
Aroclor-1232	3	7.666	-0.017	8500	32.7	3	7.860	-0.016	5614	37.4
Aroclor-1232	4	8.587	-0.019	7537	68.4	4	8.724	-0.010	4654	114.5
Total Col1Ave (4 peaks):					32.0	Total Col2Ave (4 peaks):				79.6 RPD = 85*
Corrected Ave (3 peaks):					19.9	Corrected Ave (3 peaks):				67.9 RPD = 109*
Aroclor-1242	1	7.256	-0.039	15645	100.4	1	7.280	0.003	7630	58.4
Aroclor-1242	2	7.666	-0.019	8500	17.2	2	7.860	-0.014	5614	20.2
Aroclor-1242	3	8.417	-0.012	9223	64.8	3	9.160	-0.018	6563	73.3
Aroclor-1242	4	9.004	-0.027	19573	66.2	4	9.551	-0.054	9991	92.8
Total Col1Ave (4 peaks):					62.1	Total Col2Ave (4 peaks):				61.2 RPD = 2
Corrected Ave (3 peaks):					49.4	Corrected Ave (3 peaks):				50.6 RPD = 3
Aroclor-1248	1	8.417	-0.010	9223	39.0	1	8.318	-0.008	6095	48.3
Aroclor-1248	2	8.587	-0.017	7537	25.0	2	8.724	-0.008	4654	35.1
Aroclor-1248	3	9.004	-0.018	19573	36.0	3	9.160	-0.018	6563	40.7
Aroclor-1248	4	9.305	-0.006	27190	102.2	4	9.551	-0.051	9991	52.7
Total Col1Ave (4 peaks):					50.5	Total Col2Ave (4 peaks):				44.2 RPD = 13
Corrected Ave (3 peaks):					33.3	Corrected Ave (3 peaks):				41.3 RPD = 21
Aroclor-1254	1	9.305	-0.016	27190	56.2	1	9.456	-0.011	15581	78.2
Aroclor-1254	2	9.380	-0.022	10243	54.4	2	9.973	-0.013	7216	45.1
Aroclor-1254	3	9.675	-0.020	15951	52.2	3	10.124	-0.015	29855	86.8
Aroclor-1254	4	9.806	-0.025	36646	61.5	4	10.375	-0.014	37564	105.4
Aroclor-1254	5	10.127	-0.062	58554	143.3	5	10.570	-0.016	37623	218.9
Total Col1Ave (5 peaks):					73.5	Total Col2Ave (5 peaks):				106.9 RPD = 37
Corrected Ave (4 peaks):					56.0	Corrected Ave (4 peaks):				78.9 RPD = 34
Aroclor-1260	1	11.049	-0.014	32463	132.2	1	11.659	-0.010	24168	115.2
Aroclor-1260	2	11.362	-0.015	26957	106.1	2	11.920	-0.013	56526	107.4
Aroclor-1260	3	11.734	-0.018	85966	128.8	3	12.438	-0.013	19398	138.4
Aroclor-1260	4	12.135	-0.023	43373	127.6	4	12.503	-0.013	38072	108.5
Aroclor-1260	5	12.248	-0.013	17091	122.9	NS	---			----
Total Col1Ave (5 peaks):					123.5	Total Col2Ave (4 peaks):				117.4 RPD = 5
Corrected Ave (4 peaks):					121.4	Corrected Ave (3 peaks):				110.4 RPD = 9
Aroclor-1262	1	10.825	-0.024	76897	340.9	1	11.205	-0.012	22502	74.5
Aroclor-1262	2	12.248	-0.015	17091	48.7	2	11.659	-0.011	24168	92.3
Aroclor-1262	3	12.321	-0.016	21115	56.4	3	12.438	-0.013	19398	67.2
Aroclor-1262	4	12.987	-0.018	20179	67.1	4	12.503	-0.016	38072	84.2
Total Col1Ave (4 peaks):					128.3	Total Col2Ave (4 peaks):				79.5 RPD = 47*
Corrected Ave (3 peaks):					57.4	Corrected Ave (3 peaks):				75.3 RPD = 27
Aroclor-1268	1	12.248	-0.014	17091	18.1	1	12.438	-0.011	19398	25.9
Aroclor-1268	2	12.321	-0.014	21115	22.9	2	12.503	-0.014	38072	49.5
Aroclor-1268	3	12.725	0.009	9797	12.9	3	12.901	-0.009	613	2.1
Aroclor-1268	4	13.491	-0.014	4097	1.8	4	13.713	-0.013	4442	2.2
Total Col1Ave (4 peaks):					13.9	Total Col2Ave (4 peaks):				19.9 RPD = 35

Corrected Ave (3 peaks): 10.9 Corrected Ave (3 peaks): 10.1 RPD = 8

Total PCB Area Col1 (5.936 - 13.808) = 1082284 Col1 Total PCB = 0.2 ppm*

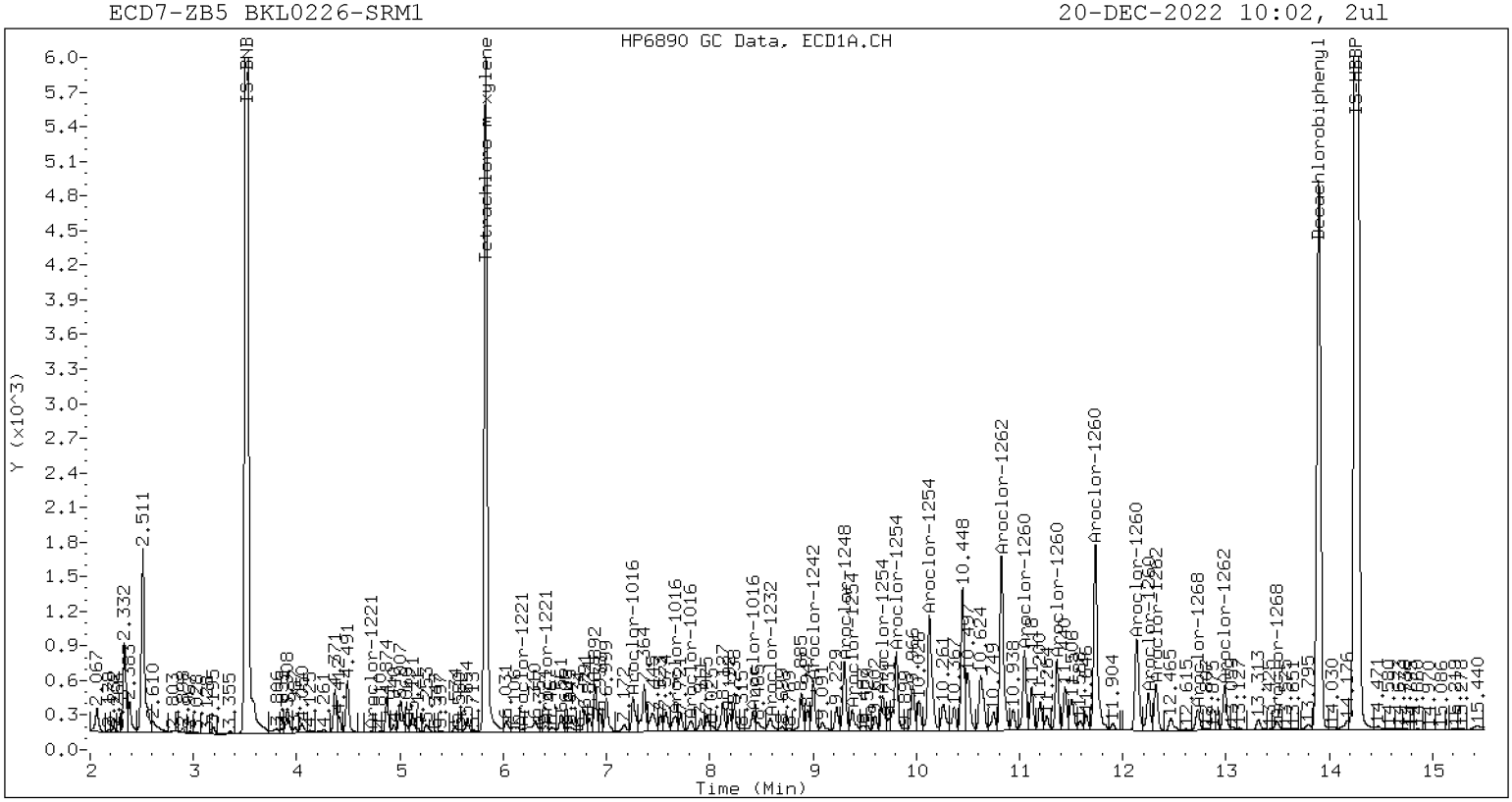
Total PCB Area Col2 (5.936 - 13.808) = 705384 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

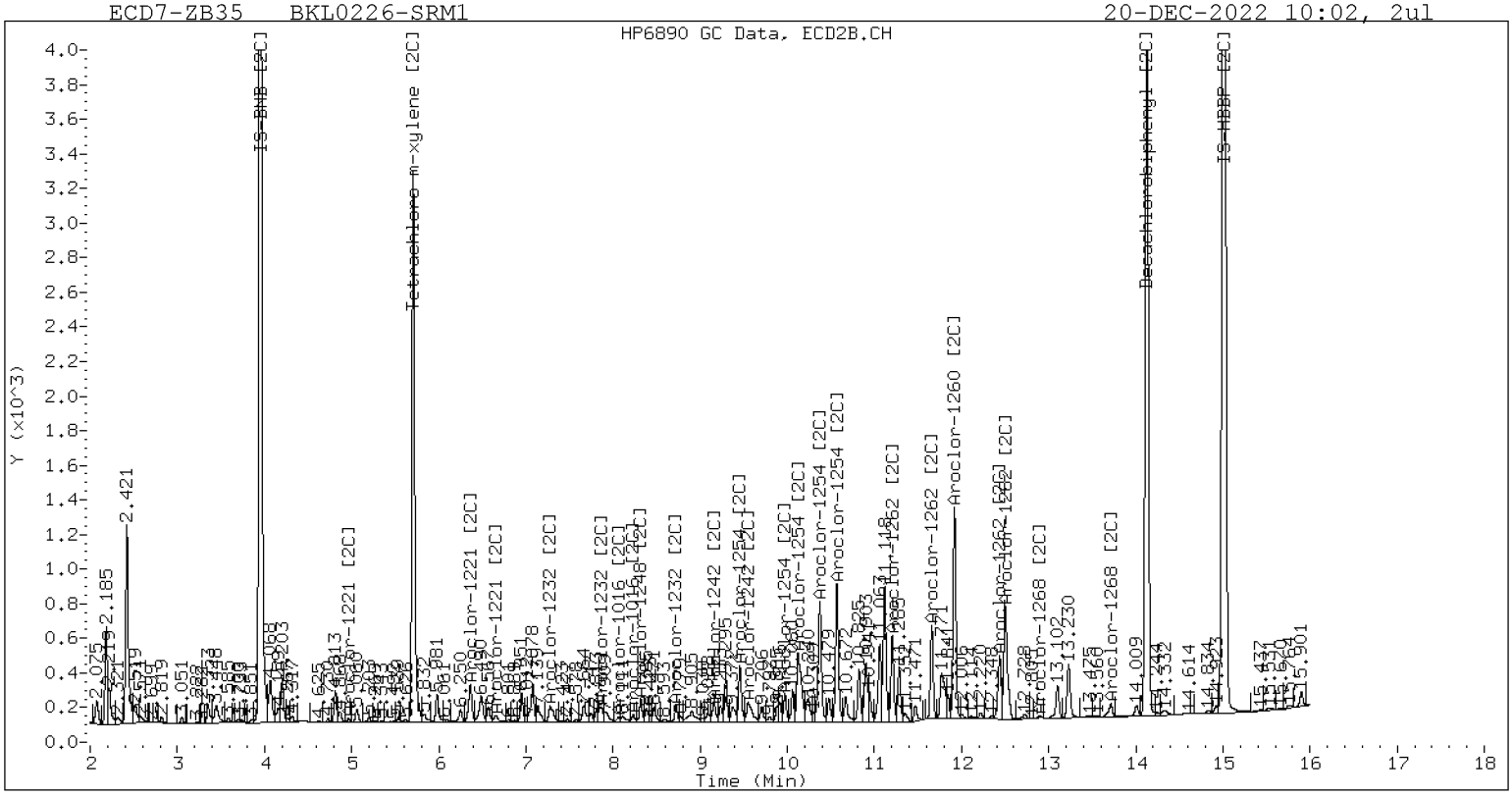
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0226-SRM1 20-DEC-2022 10:02, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0226-SRM1 20-DEC-2022 10:02, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0227-SRM1
Batch: BKL0227
Initial/Final: 12.5 g / 2.5 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 12/21/2022 11:01
Standard ID: K003635
Expires: 10/15/2022
Standard Lot#: PSRM0152
Description: Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	111	0.6	4.0		103	38 - 167
Aroclor 1260 [2C]	108.00	99.4	0.6	4.0		92.0	38 - 167

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202264ECD7.D
Data file 2: /221220.b/221220.b/12202264ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0227-SRM1
Client ID:
Injection Date: 21-DEC-2022 11:01
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.005	265711	5.709	-0.005	146693	34.0	34.3	0.7	Tetrachloro-m-xylene
13.899	-0.009	266197	14.129	-0.008	217640	41.9	37.4	11.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	550716	23.0
Hexabromobiphenyl	798898	693015	-13.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	312062	25.3
Hexabromobiphenyl	362541	409725	13.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.257	-0.037	30505	166.1	1	7.283	0.008	12205	76.5
Aroclor-1016	2	7.666	-0.018	10386	17.5	2	7.861	-0.009	5694	16.5
Aroclor-1016	3	7.822	0.005	8862	33.0	3	8.064	-0.006	1334	9.0
Aroclor-1016	4	8.418	-0.011	11141	65.0	4	8.232	-0.009	2317	29.8
Total Col1Ave (4 peaks):					70.4	Total Col2Ave (4 peaks):				33.0 RPD = 72*
Corrected Ave (3 peaks):					38.5	Corrected Ave (3 peaks):				18.5 RPD = 70*
Aroclor-1221	1	4.760	-0.000	1453	31.9	1	4.970	-0.017	3630	137.8
Aroclor-1221	2	6.141	-0.018	3865	48.2	2	6.365	0.044	22272	443.7
Aroclor-1221	3	6.416	0.007	4466	24.1	3	6.658	0.013	3769	44.6
Total Col1Ave (3 peaks):					34.7	Total Col2Ave (3 peaks):				208.7 RPD = 143*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.760	-0.001	1453	53.0	1	4.970	-0.020	3630	239.2
Aroclor-1232	2	6.141	-0.019	3865	66.8	2	7.283	0.006	12205	157.5
Aroclor-1232	3	7.666	-0.017	10386	40.0	3	7.861	-0.015	5694	37.6
Aroclor-1232	4	8.586	-0.020	8431	76.5	4	8.725	-0.009	4153	101.1
Total Col1Ave (4 peaks):					59.1	Total Col2Ave (4 peaks):				133.8 RPD = 78*
Corrected Ave (3 peaks):					53.3	Corrected Ave (3 peaks):				98.7 RPD = 60*
Aroclor-1242	1	7.257	-0.037	30505	195.4	1	7.283	0.006	12205	92.4
Aroclor-1242	2	7.666	-0.019	10386	21.0	2	7.861	-0.014	5694	20.3
Aroclor-1242	3	8.418	-0.011	11141	78.1	3	9.160	-0.018	6093	67.4
Aroclor-1242	4	9.005	-0.026	38433	129.8	4	9.552	-0.054	9989	91.9
Total Col1Ave (4 peaks):					106.1	Total Col2Ave (4 peaks):				68.0 RPD = 44*
Corrected Ave (3 peaks):					76.3	Corrected Ave (3 peaks):				59.9 RPD = 24
Aroclor-1248	1	8.418	-0.009	11141	47.1	1	8.319	-0.007	6154	48.3
Aroclor-1248	2	8.586	-0.019	8431	27.9	2	8.725	-0.008	4153	31.0
Aroclor-1248	3	9.005	-0.017	38433	70.7	3	9.160	-0.018	6093	37.4
Aroclor-1248	4	9.306	-0.005	54045	202.8	4	9.552	-0.051	9989	52.2
Total Col1Ave (4 peaks):					87.1	Total Col2Ave (4 peaks):				42.2 RPD = 69*
Corrected Ave (3 peaks):					48.5	Corrected Ave (3 peaks):				38.9 RPD = 22
Aroclor-1254	1	9.306	-0.015	54045	111.5	1	9.456	-0.010	29329	145.8
Aroclor-1254	2	9.380	-0.021	12232	64.9	2	9.975	-0.012	9662	59.7
Aroclor-1254	3	9.673	-0.021	22340	72.9	3	10.152	0.013	73963	212.7
Aroclor-1254	4	9.805	-0.025	77178	129.3	4	10.377	-0.012	102630	285.0
Aroclor-1254	5	10.127	-0.063	171939	420.2	5	10.571	-0.015	124190	715.1
Total Col1Ave (5 peaks):					159.7	Total Col2Ave (5 peaks):				283.7 RPD = 56*
Corrected Ave (4 peaks):					94.6	Corrected Ave (4 peaks):				175.8 RPD = 60*
Aroclor-1260	1	11.049	-0.013	143346	568.3	1	11.660	-0.009	100036	462.5
Aroclor-1260	2	11.363	-0.014	129050	494.6	2	11.921	-0.012	265797	489.8
Aroclor-1260	3	11.735	-0.017	382528	558.0	3	12.440	-0.011	79691	551.4
Aroclor-1260	4	12.135	-0.023	214033	613.1	4	12.505	-0.011	174977	483.7
Aroclor-1260	5	12.248	-0.013	76765	537.1	NS	---			----
Total Col1Ave (5 peaks):					554.2	Total Col2Ave (4 peaks):				496.8 RPD = 11
Corrected Ave (4 peaks):					539.5	Corrected Ave (3 peaks):				478.7 RPD = 12
Aroclor-1262	1	10.825	-0.023	275657	1189.4	1	11.206	-0.011	93114	298.9
Aroclor-1262	2	12.248	-0.014	76765	213.1	2	11.660	-0.010	100036	370.7
Aroclor-1262	3	12.323	-0.014	95122	247.2	3	12.440	-0.011	79691	267.7
Aroclor-1262	4	12.988	-0.017	91891	297.6	4	12.505	-0.014	174977	375.3
Total Col1Ave (4 peaks):					486.8	Total Col2Ave (4 peaks):				328.2 RPD = 39
Corrected Ave (3 peaks):					252.6	Corrected Ave (3 peaks):				312.5 RPD = 21
Aroclor-1268	1	12.248	-0.014	76765	79.2	1	12.440	-0.010	79691	103.0
Aroclor-1268	2	12.323	-0.012	95122	100.3	2	12.505	-0.012	174977	220.6
Aroclor-1268	3	12.726	0.010	44332	57.0	3	12.902	-0.008	1707	5.8
Aroclor-1268	4	13.492	-0.014	15380	6.5	4	13.715	-0.012	14034	6.6
Total Col1Ave (4 peaks):					60.7	Total Col2Ave (4 peaks):				84.0 RPD = 32

Corrected Ave (3 peaks): 47.6 Corrected Ave (3 peaks): 38.5 RPD = 21

Total PCB Area Col1 (5.936 - 13.808) = 3320157 Col1 Total PCB = 0.6 ppm*

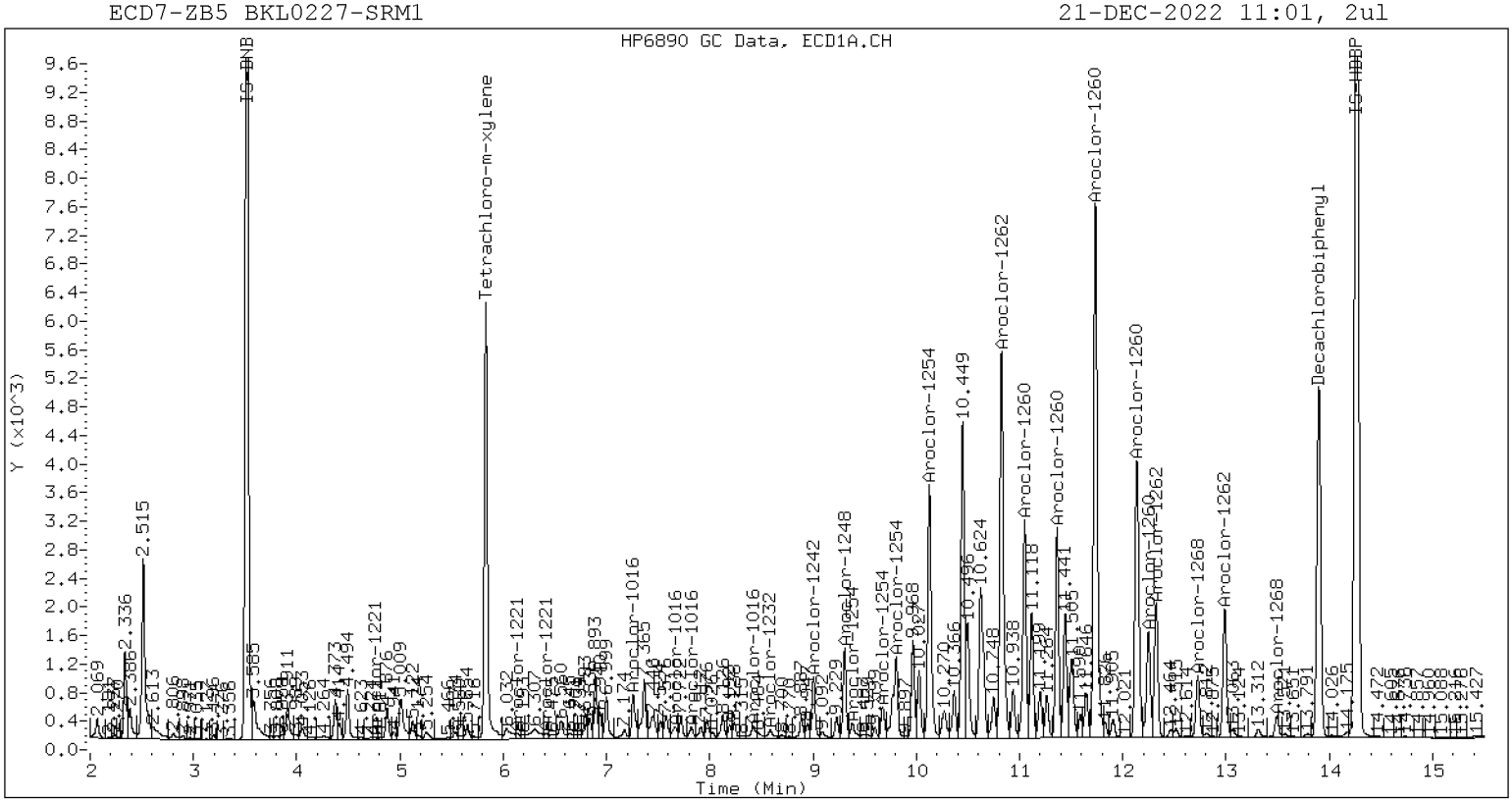
Total PCB Area Col2 (5.813 - 14.037) = 2043969 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

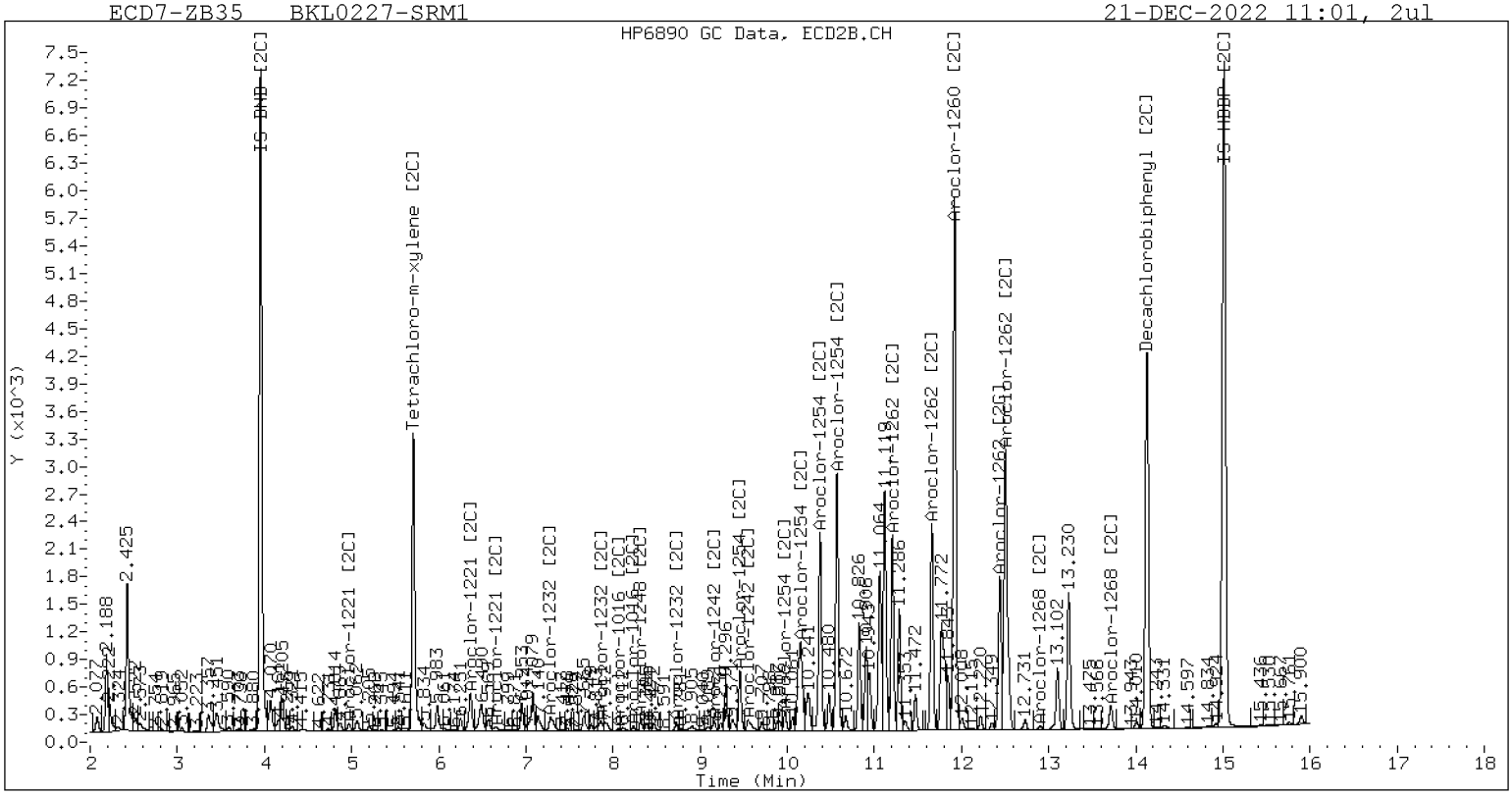
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0227-SRM1 21-DEC-2022 11:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0227-SRM1 21-DEC-2022 11:01, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0282-SRM1
Batch: BKL0282
Initial/Final: 2.5 g / 2.5 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 12/21/2022 5:01
Standard ID: K003525
Expires: 04/12/2023
Standard Lot#: PSRM0148
Description: Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	127	2.9	20.0		117	38 - 167
Aroclor 1260 [2C]	108.00	122	2.9	20.0		113	38 - 167

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202247ECD7.D
Data file 2: /221220.b/221220.b/12202247ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: BKL0282-SRM1
Client ID:
Injection Date: 21-DEC-2022 05:01
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	243466	5.711	-0.002	138307	32.3	32.5	0.6	Tetrachloro-m-xylene
13.899	-0.009	241013	14.129	-0.008	195267	40.7	35.7	13.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	531199	18.7
Hexabromobiphenyl	798898	645510	-19.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	310009	24.5
Hexabromobiphenyl	362541	385512	6.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.259	-0.036	10390	58.6	1	7.281	0.006	5469	34.5
Aroclor-1016	2	7.668	-0.017	8375	14.6	2	7.864	-0.007	4362	12.8
Aroclor-1016	3	7.811	-0.006	4686	18.1	3	8.065	-0.005	624	4.3
Aroclor-1016	4	8.418	-0.011	9771	59.1	4	8.232	-0.009	20480	265.3
Total Col1Ave (4 peaks):					37.6	Total Col2Ave (4 peaks):				79.2 RPD = 71*
Corrected Ave (3 peaks):					30.5	Corrected Ave (3 peaks):				17.2 RPD = 56*
Aroclor-1221	1	4.730	-0.030	464	10.6	1	4.976	-0.011	590	22.6
Aroclor-1221	2	6.191	0.032	872	11.3	2	6.365	0.043	7746	155.3
Aroclor-1221	3	6.413	0.004	1770	9.9	3	6.662	0.016	3152	37.6
Total Col1Ave (3 peaks):					10.6	Total Col2Ave (3 peaks):				71.8 RPD = 149*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.730	-0.031	464	17.6	1	4.976	-0.013	590	39.1
Aroclor-1232	2	6.191	0.032	872	15.6	2	7.281	0.004	5469	71.0
Aroclor-1232	3	7.668	-0.016	8375	33.4	3	7.864	-0.013	4362	29.0
Aroclor-1232	4	8.587	-0.019	8576	80.6	4	8.722	-0.012	5470	134.0
Total Col1Ave (4 peaks):					36.8	Total Col2Ave (4 peaks):				68.3 RPD = 60*
Corrected Ave (3 peaks):					22.2	Corrected Ave (3 peaks):				46.4 RPD = 71*
Aroclor-1242	1	7.259	-0.036	10390	69.0	1	7.281	0.004	5469	41.7
Aroclor-1242	2	7.668	-0.018	8375	17.5	2	7.864	-0.011	4362	15.7
Aroclor-1242	3	8.418	-0.012	9771	71.0	3	9.160	-0.018	6900	76.8
Aroclor-1242	4	9.006	-0.025	24232	84.8	4	9.553	-0.053	12002	111.1
Total Col1Ave (4 peaks):					60.6	Total Col2Ave (4 peaks):				61.3 RPD = 1
Corrected Ave (3 peaks):					52.5	Corrected Ave (3 peaks):				44.7 RPD = 16
Aroclor-1248	1	8.418	-0.009	9771	42.8	1	8.320	-0.006	5195	41.0
Aroclor-1248	2	8.587	-0.017	8576	29.4	2	8.722	-0.010	5470	41.1
Aroclor-1248	3	9.006	-0.016	24232	46.2	3	9.160	-0.017	6900	42.6
Aroclor-1248	4	9.306	-0.005	26730	104.0	4	9.553	-0.050	12002	63.1
Total Col1Ave (4 peaks):					55.6	Total Col2Ave (4 peaks):				46.9 RPD = 17
Corrected Ave (3 peaks):					39.5	Corrected Ave (3 peaks):				41.6 RPD = 5
Aroclor-1254	1	9.306	-0.015	26730	57.2	1	9.457	-0.010	16062	80.4
Aroclor-1254	2	9.383	-0.019	11040	60.7	2	9.976	-0.011	7069	44.0
Aroclor-1254	3	9.676	-0.018	15998	54.2	3	10.125	-0.014	30639	88.7
Aroclor-1254	4	9.807	-0.023	35967	62.5	4	10.376	-0.013	35777	100.0
Aroclor-1254	5	10.128	-0.061	56506	143.2	5	10.571	-0.015	35972	208.5
Total Col1Ave (5 peaks):					75.5	Total Col2Ave (5 peaks):				104.3 RPD = 32
Corrected Ave (4 peaks):					58.6	Corrected Ave (4 peaks):				78.3 RPD = 29
Aroclor-1260	1	11.050	-0.012	31681	134.8	1	11.660	-0.010	24042	118.1
Aroclor-1260	2	11.364	-0.014	26698	109.9	2	11.921	-0.011	56955	111.5
Aroclor-1260	3	11.734	-0.017	79639	124.7	3	12.440	-0.012	19920	146.5
Aroclor-1260	4	12.136	-0.022	43424	133.5	4	12.504	-0.013	38441	112.9
Aroclor-1260	5	12.249	-0.013	17292	129.9	NS	---			----
Total Col1Ave (5 peaks):					126.6	Total Col2Ave (4 peaks):				122.3 RPD = 3
Corrected Ave (4 peaks):					124.5	Corrected Ave (3 peaks):				114.2 RPD = 9
Aroclor-1262	1	10.826	-0.022	71439	330.9	1	11.206	-0.011	22117	75.5
Aroclor-1262	2	12.249	-0.014	17292	51.5	2	11.660	-0.010	24042	94.7
Aroclor-1262	3	12.323	-0.014	21219	59.2	3	12.440	-0.012	19920	71.1
Aroclor-1262	4	12.987	-0.018	20159	70.1	4	12.504	-0.015	38441	87.6
Total Col1Ave (4 peaks):					127.9	Total Col2Ave (4 peaks):				82.2 RPD = 43*
Corrected Ave (3 peaks):					60.3	Corrected Ave (3 peaks):				78.1 RPD = 26
Aroclor-1268	1	12.249	-0.014	17292	19.1	1	12.440	-0.010	19920	27.4
Aroclor-1268	2	12.323	-0.012	21219	24.0	2	12.504	-0.013	38441	51.5
Aroclor-1268	3	12.726	0.010	10373	14.3	3	12.900	-0.010	729	2.6
Aroclor-1268	4	13.491	-0.014	3999	1.8	4	13.715	-0.011	4637	2.3
Total Col1Ave (4 peaks):					14.8	Total Col2Ave (4 peaks):				21.0 RPD = 34

Corrected Ave (3 peaks): 11.8 Corrected Ave (3 peaks): 10.8 RPD = 9

Total PCB Area Col1 (5.936 - 13.808) = 2047615 Col1 Total PCB = 0.4 ppm*

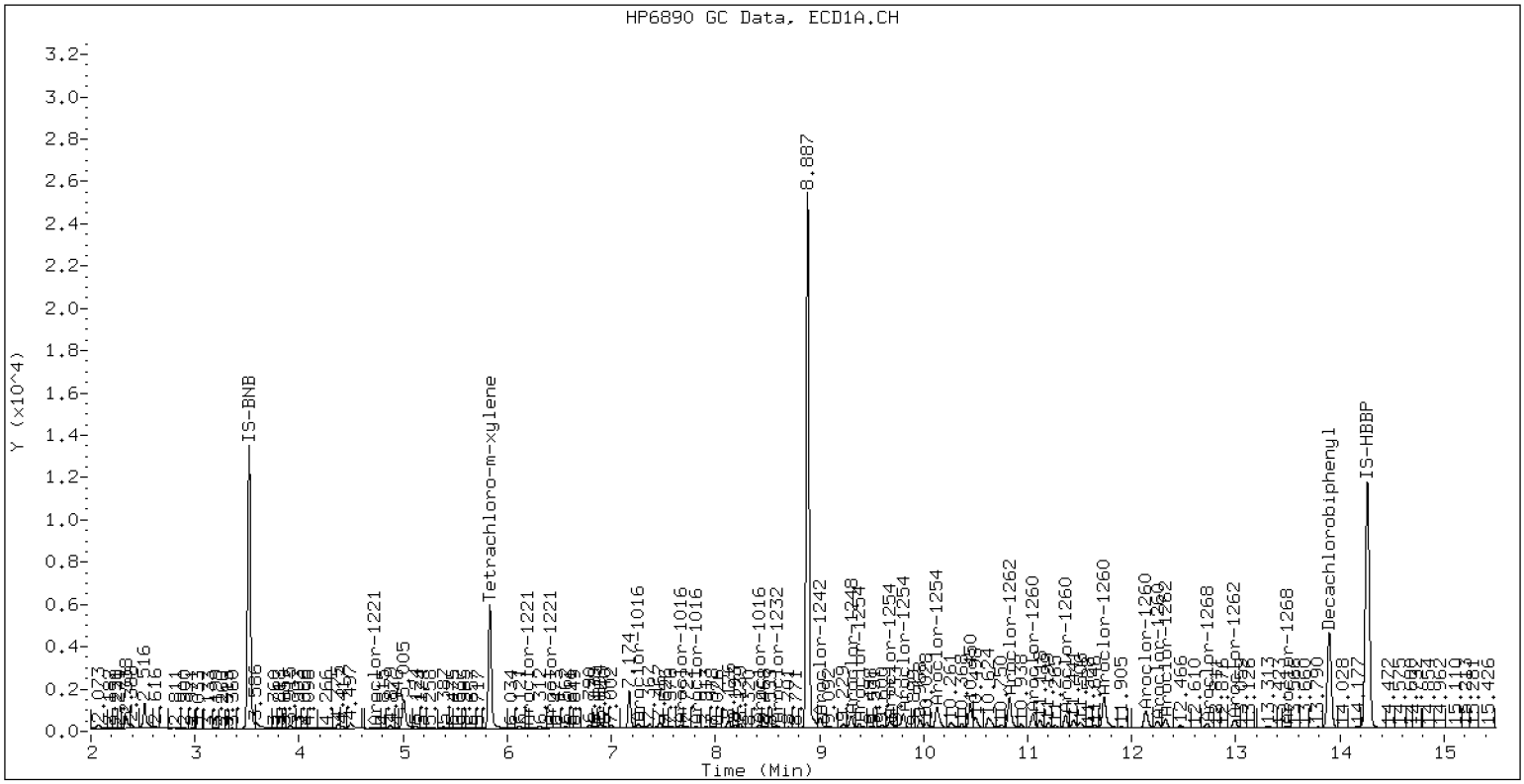
Total PCB Area Col2 (5.813 - 14.037) = 982760 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

PCB Dual Column Chromatograms

ECD7-ZB5 BKL0282-SRM1 21-DEC-2022 05:01, 2ul



ZB-5 Manual Integration: NO

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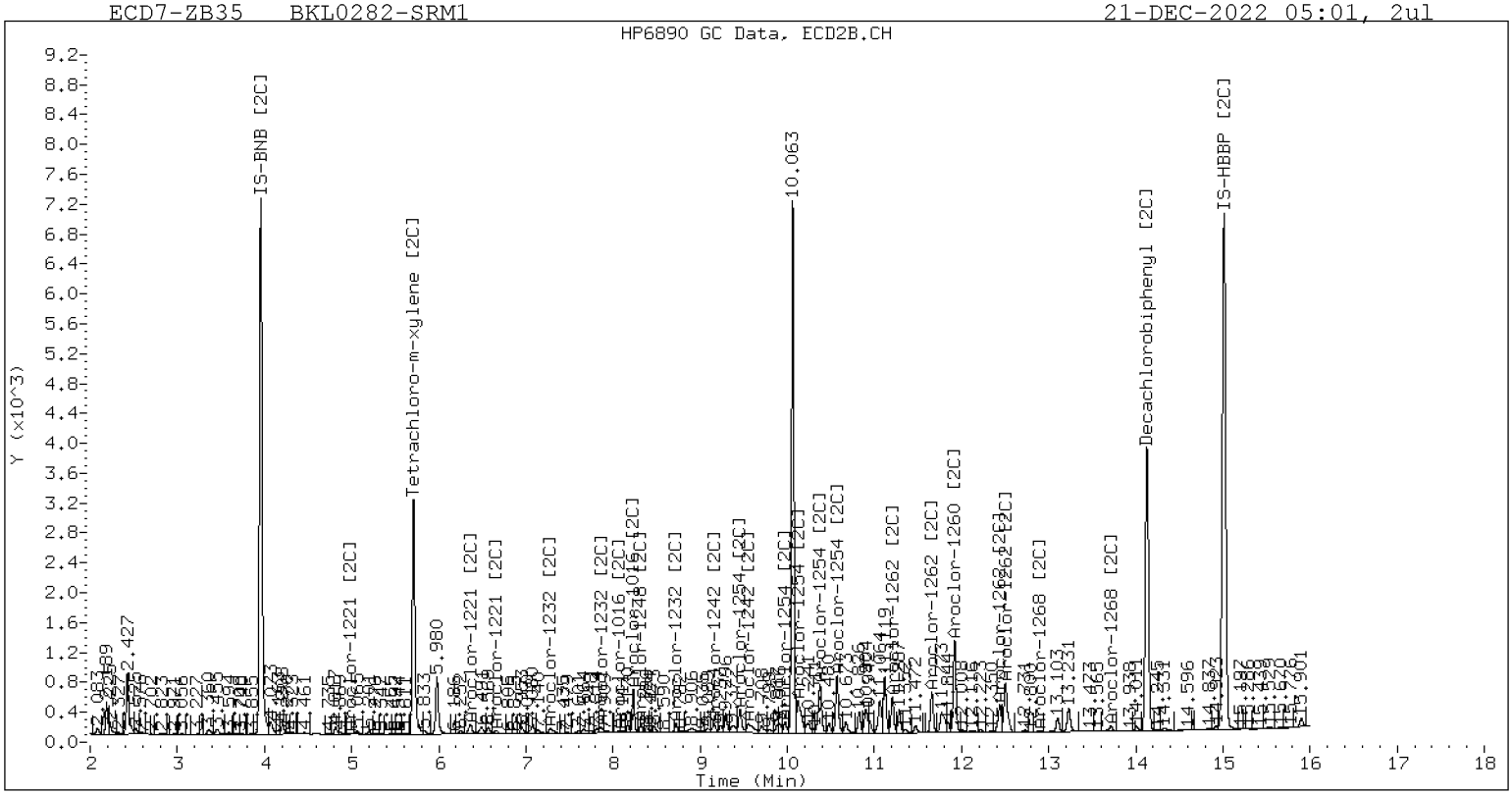


ZB-35 Manual Integration: NO

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1016	250	4.442913E-02	20	4.639571E-02	50	4.556147E-02	1000	3.903737E-02	100	4.740063E-02	500	4.233908E-02
Aroclor-1016 (1)	250	0.0268956	20	2.831682E-02	50	2.733211E-02	1000	2.312039E-02	100	2.907079E-02	500	2.538029E-02
Aroclor-1016 (2)	250	8.716121E-02	20	8.901322E-02	50	8.663465E-02	1000	7.848829E-02	100	9.099677E-02	500	8.464895E-02
Aroclor-1016 (3)	250	3.855698E-02	20	4.367479E-02	50	4.254251E-02	1000	3.139182E-02	100	4.326795E-02	500	3.482108E-02
Aroclor-1016 (4)	250	2.510275E-02	20	2.457802E-02	50	2.573659E-02	1000	2.314899E-02	100	2.626702E-02	500	2.450599E-02
Aroclor 1260	250	3.933402E-02	20	3.911434E-02	50	3.944532E-02	1000	3.674839E-02	100	4.123393E-02	500	3.832917E-02
Aroclor-1260 (1)	250	2.958395E-02	20	0.0300145	50	2.965004E-02	1000	0.0267287	100	3.044201E-02	500	2.830143E-02
Aroclor-1260 (2)	250	3.061257E-02	20	3.036959E-02	50	3.047228E-02	1000	2.827023E-02	100	0.0314491	500	2.953467E-02
Aroclor-1260 (3)	250	7.944504E-02	20	7.975557E-02	50	8.046888E-02	1000	7.412282E-02	100	8.422959E-02	500	7.678876E-02
Aroclor-1260 (4)	250	4.058671E-02	20	3.908843E-02	50	3.991468E-02	1000	3.908356E-02	100	4.249747E-02	500	4.063095E-02
Aroclor-1260 (5)	250	1.644185E-02	20	1.634363E-02	50	1.672073E-02	1000	1.553661E-02	100	1.755145E-02	500	1.639006E-02
Decachlorobiphenyl	40	0.7065182	3.2	0.8368252	8	0.7533014	160	0.6637701	16	0.7576822	80	0.6818994
Tetrachlorometaxylene	40	1.143098	3.2	1.157321	8	1.126881	160	1.081522	16	1.184437	80	1.108767

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1221							250	1.504683E-02				
Aroclor-1221 (1)							250	6.613213E-03				
Aroclor-1221 (2)							250	1.165022E-02				
Aroclor-1221 (3)							250	2.687706E-02				
Aroclor 1232									250	0.0165403		
Aroclor-1232 (1)									250	3.980209E-03		
Aroclor-1232 (2)									250	8.407005E-03		
Aroclor-1232 (3)									250	3.775546E-02		
Aroclor-1232 (4)									250	1.601853E-02		
Aroclor 1242	250	3.960003E-02										
Aroclor-1242 (1)	250	2.267549E-02										
Aroclor-1242 (2)	250	0.0719967										
Aroclor-1242 (3)	250	2.071466E-02										
Aroclor-1242 (4)	250	4.301325E-02										
Aroclor 1248			250	4.900615E-02								
Aroclor-1248 (1)			250	3.439698E-02								
Aroclor-1248 (2)			250	4.391715E-02								
Aroclor-1248 (3)			250	7.900514E-02								
Aroclor-1248 (4)			250	3.870534E-02								
Aroclor 1254					250	5.769652E-02						
Aroclor-1254 (1)					250	7.043771E-02						
Aroclor-1254 (2)					250	2.739345E-02						
Aroclor-1254 (3)					250	4.448852E-02						
Aroclor-1254 (4)					250	8.671846E-02						
Aroclor-1254 (5)					250	5.944443E-02						
Aroclor 1262							250	3.710383E-02				
Aroclor-1262 (1)							250	2.675294E-02				
Aroclor-1262 (2)							250	4.159274E-02				

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor-1262 (3)							250	4.441976E-02				
Aroclor-1262 (4)							250	0.0356499				
Aroclor 1268									250	0.1462909		
Aroclor-1268 (1)									250	0.1119264		
Aroclor-1268 (2)									250	0.1094959		
Aroclor-1268 (3)									250	8.974437E-02		
Aroclor-1268 (4)									250	0.2739969		

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor 1016	0.0441939	6.9			RSD (20)	
Aroclor-1016 (1)	0.026686	8.1			RSD (20)	
Aroclor-1016 (2)	8.615718E-02	5.0			RSD (20)	
Aroclor-1016 (3)	3.904252E-02	13.0			RSD (20)	
Aroclor-1016 (4)	2.488989E-02	4.4			RSD (20)	
Aroclor 1221		0.0			RSD (20)	
Aroclor-1221 (1)		0.0			RSD (20)	
Aroclor-1221 (2)		0.0			RSD (20)	
Aroclor-1221 (3)		0.0			RSD (20)	
Aroclor 1232		0.0			RSD (20)	
Aroclor-1232 (1)		0.0			RSD (20)	
Aroclor-1232 (2)		0.0			RSD (20)	
Aroclor-1232 (3)		0.0			RSD (20)	
Aroclor-1232 (4)		0.0			RSD (20)	
Aroclor 1242		0.0			RSD (20)	
Aroclor-1242 (1)		0.0			RSD (20)	
Aroclor-1242 (2)		0.0			RSD (20)	
Aroclor-1242 (3)		0.0			RSD (20)	
Aroclor-1242 (4)		0.0			RSD (20)	
Aroclor 1248		0.0			RSD (20)	
Aroclor-1248 (1)		0.0			RSD (20)	
Aroclor-1248 (2)		0.0			RSD (20)	
Aroclor-1248 (3)		0.0			RSD (20)	
Aroclor-1248 (4)		0.0			RSD (20)	
Aroclor 1254		0.0			RSD (20)	
Aroclor-1254 (1)		0.0			RSD (20)	
Aroclor-1254 (2)		0.0			RSD (20)	
Aroclor-1254 (3)		0.0			RSD (20)	
Aroclor-1254 (4)		0.0			RSD (20)	
Aroclor-1254 (5)		0.0			RSD (20)	
Aroclor 1260	0.0390342	3.8			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor-1260 (1)	2.912011E-02	4.7			RSD (20)	
Aroclor-1260 (2)	3.011807E-02	3.6			RSD (20)	
Aroclor-1260 (3)	7.913511E-02	4.3			RSD (20)	
Aroclor-1260 (4)	0.0403003	3.2			RSD (20)	
Aroclor-1260 (5)	1.649739E-02	3.9			RSD (20)	
Aroclor 1262		0.0			RSD (20)	
Aroclor-1262 (1)		0.0			RSD (20)	
Aroclor-1262 (2)		0.0			RSD (20)	
Aroclor-1262 (3)		0.0			RSD (20)	
Aroclor-1262 (4)		0.0			RSD (20)	
Aroclor 1268		0.0			RSD (20)	
Aroclor-1268 (1)		0.0			RSD (20)	
Aroclor-1268 (2)		0.0			RSD (20)	
Aroclor-1268 (3)		0.0			RSD (20)	
Aroclor-1268 (4)		0.0			RSD (20)	
Decachlorobiphenyl	0.7333327	8.6			RSD (20)	
Tetrachlorometaxylene	1.133671	3.2			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	**RRF**	Conc	RRF	Conc	RRF	Conc	**RRF**	Conc	**RRF**
Aroclor 1016 [2C]	250	4.636996E-02	20	4.892746E-02	50	4.983417E-02	1000	4.130781E-02	100	4.955636E-02	500	4.439044E-02
Aroclor-1016 (1) [2C]	250	4.084306E-02	20	4.420829E-02	50	4.265547E-02	1000	3.510686E-02	100	0.0443387	500	3.826546E-02
Aroclor-1016 (2) [2C]	250	8.779336E-02	20	9.126619E-02	50	9.396419E-02	1000	7.840925E-02	100	9.357078E-02	500	8.428834E-02
Aroclor-1016 (3) [2C]	250	3.650991E-02	20	4.176802E-02	50	4.245186E-02	1000	3.207576E-02	100	3.977512E-02	500	3.472696E-02
Aroclor-1016 (4) [2C]	250	2.033353E-02	20	1.846735E-02	50	2.026517E-02	1000	1.963937E-02	100	2.054085E-02	500	0.020281
Aroclor 1260 [2C]	250	6.221729E-02	20	0.0650374	50	6.381838E-02	1000	5.557609E-02	100	6.547338E-02	500	5.844879E-02
Aroclor-1260 (1) [2C]	250	4.226259E-02	20	4.530508E-02	50	4.502141E-02	1000	3.753653E-02	100	0.0443443	500	3.890007E-02
Aroclor-1260 (2) [2C]	250	0.1084108	20	0.1102753	50	0.109287	1000	9.364812E-02	100	0.1132315	500	0.1009332
Aroclor-1260 (3) [2C]	250	0.0279644	20	2.937953E-02	50	2.834399E-02	1000	2.696653E-02	100	2.956699E-02	500	2.708248E-02
Aroclor-1260 (4) [2C]	250	7.023139E-02	20	7.518967E-02	50	7.262117E-02	1000	0.0641532	100	0.0747507	500	6.687944E-02
Decachlorobiphenyl [2C]	40	1.127762	3.2	1.199521	8	1.131904	160	1.086775	16	1.175985	80	1.092964
Tetrachlorometaxylene [2C]	40	1.103254	3.2	1.151553	8	1.074022	160	1.032691	16	1.152616	80	1.06551

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1221 [2C]							250	0.0137578				
Aroclor-1221 (1) [2C]							250	6.751325E-03				
Aroclor-1221 (2) [2C]							250	1.286764E-02				
Aroclor-1221 (3) [2C]							250	2.165445E-02				
Aroclor 1232 [2C]									250	1.828151E-02		
Aroclor-1232 (1) [2C]									250	3.890243E-03		
Aroclor-1232 (2) [2C]									250	1.986677E-02		
Aroclor-1232 (3) [2C]									250	3.883859E-02		
Aroclor-1232 (4) [2C]									250	1.053044E-02		
Aroclor 1242 [2C]	250	3.919814E-02										
Aroclor-1242 (1) [2C]	250	3.385823E-02										
Aroclor-1242 (2) [2C]	250	7.187561E-02										
Aroclor-1242 (3) [2C]	250	2.318837E-02										
Aroclor-1242 (4) [2C]	250	2.787036E-02										
Aroclor 1248 [2C]			250	3.948755E-02								
Aroclor-1248 (1) [2C]			250	3.268192E-02								
Aroclor-1248 (2) [2C]			250	3.437347E-02								
Aroclor-1248 (3) [2C]			250	4.181202E-02								
Aroclor-1248 (4) [2C]			250	0.0490828								
Aroclor 1254 [2C]					250	6.380467E-02						
Aroclor-1254 (1) [2C]					250	5.157979E-02						
Aroclor-1254 (2) [2C]					250	4.146889E-02						
Aroclor-1254 (3) [2C]					250	8.913704E-02						
Aroclor-1254 (4) [2C]					250	0.092314						
Aroclor-1254 (5) [2C]					250	4.452362E-02						
Aroclor 1262 [2C]							250	6.566399E-02				
Aroclor-1262 (1) [2C]							250	6.082829E-02				
Aroclor-1262 (2) [2C]							250	5.268389E-02				

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor-1262 (3) [2C]							250	5.811375E-02				
Aroclor-1262 (4) [2C]							250	9.103002E-02				
Aroclor 1268 [2C]									250	0.1941199		
Aroclor-1268 (1) [2C]									250	0.1510112		
Aroclor-1268 (2) [2C]									250	0.1548399		
Aroclor-1268 (3) [2C]									250	5.741847E-02		
Aroclor-1268 (4) [2C]									250	0.4132099		

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor 1016 [2C]	4.673103E-02	7.3			RSD (20)	
Aroclor-1016 (1) [2C]	4.090297E-02	8.9			RSD (20)	
Aroclor-1016 (2) [2C]	8.821535E-02	6.9			RSD (20)	
Aroclor-1016 (3) [2C]	0.0378846	10.9			RSD (20)	
Aroclor-1016 (4) [2C]	1.992121E-02	3.9			RSD (20)	
Aroclor 1221 [2C]		0.0			RSD (20)	
Aroclor-1221 (1) [2C]		0.0			RSD (20)	
Aroclor-1221 (2) [2C]		0.0			RSD (20)	
Aroclor-1221 (3) [2C]		0.0			RSD (20)	
Aroclor 1232 [2C]		0.0			RSD (20)	
Aroclor-1232 (1) [2C]		0.0			RSD (20)	
Aroclor-1232 (2) [2C]		0.0			RSD (20)	
Aroclor-1232 (3) [2C]		0.0			RSD (20)	
Aroclor-1232 (4) [2C]		0.0			RSD (20)	
Aroclor 1242 [2C]		0.0			RSD (20)	
Aroclor-1242 (1) [2C]		0.0			RSD (20)	
Aroclor-1242 (2) [2C]		0.0			RSD (20)	
Aroclor-1242 (3) [2C]		0.0			RSD (20)	
Aroclor-1242 (4) [2C]		0.0			RSD (20)	
Aroclor 1248 [2C]		0.0			RSD (20)	
Aroclor-1248 (1) [2C]		0.0			RSD (20)	
Aroclor-1248 (2) [2C]		0.0			RSD (20)	
Aroclor-1248 (3) [2C]		0.0			RSD (20)	
Aroclor-1248 (4) [2C]		0.0			RSD (20)	
Aroclor 1254 [2C]		0.0			RSD (20)	
Aroclor-1254 (1) [2C]		0.0			RSD (20)	
Aroclor-1254 (2) [2C]		0.0			RSD (20)	
Aroclor-1254 (3) [2C]		0.0			RSD (20)	
Aroclor-1254 (4) [2C]		0.0			RSD (20)	
Aroclor-1254 (5) [2C]		0.0			RSD (20)	
Aroclor 1260 [2C]	6.176189E-02	6.4			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor-1260 (1) [2C]	4.222833E-02	7.8			RSD (20)	
Aroclor-1260 (2) [2C]	0.1059643	6.9			RSD (20)	
Aroclor-1260 (3) [2C]	2.821732E-02	3.9			RSD (20)	
Aroclor-1260 (4) [2C]	7.063759E-02	6.3			RSD (20)	
Aroclor 1262 [2C]		0.0			RSD (20)	
Aroclor-1262 (1) [2C]		0.0			RSD (20)	
Aroclor-1262 (2) [2C]		0.0			RSD (20)	
Aroclor-1262 (3) [2C]		0.0			RSD (20)	
Aroclor-1262 (4) [2C]		0.0			RSD (20)	
Aroclor 1268 [2C]		0.0			RSD (20)	
Aroclor-1268 (1) [2C]		0.0			RSD (20)	
Aroclor-1268 (2) [2C]		0.0			RSD (20)	
Aroclor-1268 (3) [2C]		0.0			RSD (20)	
Aroclor-1268 (4) [2C]		0.0			RSD (20)	
Decachlorobiphenyl [2C]	1.135818	3.9			RSD (20)	
Tetrachlorometaxylene [2C]	1.096608	4.4			RSD (20)	

Printed: 12/6/2022 9:25:24AM

ANALYSIS SEQUENCE

SKL0048

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0048-CAL1	0.25PPM AR1660	QC		1	K006954	K006953		
SKL0048-CAL2	0.02PPM AR1660	QC		2	K010070	K006953		
SKL0048-CAL3	0.05PPM AR1660	QC		3	K010069	K006953		
SKL0048-CAL4	1PPM AR1660	QC		4	K006741	K006953		
SKL0048-CAL5	0.1PPM AR1660	QC		5	K010068	K006953		
SKL0048-CAL6	0.5PPM AR1660	QC		6	K010067	K006953		
SKL0048-CAL7	0.25PPM AR1242	QC		7	K006955	K006953		
SKL0048-CAL8	0.25PPM AR1248	QC		8	K006956	K006953		
SKL0048-CAL9	0.25PPM AR1254	QC		9	K006957	K006953		
SKL0048-CALA	0.25PPM AR2162	QC		10	K010071	K006953		
SKL0048-CALB	0.25PPM AR3268	QC		11	K010072	K006953		
SKL0048-SCV1	AR1660SCV1	QC		12	K007655	K006953		
SKL0048-SCV2	AR1242SCV2	QC		13	K007656	K006953		
SKL0048-SCV3	AR1248SCV3	QC		14	K007657	K006953		
SKL0048-SCV4	AR1254SCV4	QC		15	K007658	K006953		
SKL0048-SCV5	AR2162SCV5	QC		16	K007659	K006953		
SKL0048-SCV6	AR3268SCV6	QC		17	K007660	K006953		

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	03-DEC-2022 17:58	12032210ECD7.D	1	IB	
2	03-DEC-2022 18:19	12032211ECD7.D	1	0.25PPAR1660	
3	03-DEC-2022 18:40	12032212ECD7.D	1	0.02PPAR1660	
4	03-DEC-2022 19:01	12032213ECD7.D	1	0.05PPAR1660	
5	03-DEC-2022 19:23	12032214ECD7.D	1	1PPMAR1660	
6	03-DEC-2022 19:44	12032215ECD7.D	1	0.1PPMAR1660	
7	03-DEC-2022 20:05	12032216ECD7.D	1	0.5PPMAR1660	
8	03-DEC-2022 20:26	12032217ECD7.D	1	AR1242	
9	03-DEC-2022 20:48	12032218ECD7.D	1	AR1248	
10	03-DEC-2022 21:09	12032219ECD7.D	1	AR1254	
11	03-DEC-2022 21:30	12032220ECD7.D	1	AR2162	
12	03-DEC-2022 21:52	12032221ECD7.D	1	AR3268	
13	03-DEC-2022 22:13	12032222ECD7.D	1	AR1660SCV1	
14	03-DEC-2022 22:34	12032223ECD7.D	1	AR1242SCV2	
15	03-DEC-2022 22:55	12032224ECD7.D	1	AR1248SCV3	
16	03-DEC-2022 23:17	12032225ECD7.D	1	AR1254SCV4	
17	03-DEC-2022 23:38	12032226ECD7.D	1	AR2162SCV5	
18	03-DEC-2022 23:59	12032227ECD7.D	1	AR3268SCV6	
19	04-DEC-2022 00:20	12032228ECD7.D	1	0.1 PPM DDTS	
20	04-DEC-2022 00:42	12032229ECD7.D	1	DDT BD	
21	04-DEC-2022 01:03	12032230ECD7.D	1	AR1254ICV1	
22	04-DEC-2022 01:24	12032231ECD7.D	1	AR1660ICV2	
23	04-DEC-2022 01:46	12032232ECD7.D	1	BKK0834-BLK1	
24	04-DEC-2022 02:07	12032233ECD7.D	1	BKK0834-BS1	
25	04-DEC-2022 02:28	12032234ECD7.D	1	BKK0834-BSD1	
26	04-DEC-2022 02:49	12032235ECD7.D	1	22K0523-01	
27	04-DEC-2022 03:11	12032236ECD7.D	1	22K0525-01	
28	04-DEC-2022 03:32	12032237ECD7.D	1	BKK0374-BLK1	
29	04-DEC-2022 03:53	12032238ECD7.D	1	BKK0374-BS1	
30	04-DEC-2022 04:15	12032239ECD7.D	1	BKK0374-BSD1	
31	04-DEC-2022 04:36	12032240ECD7.D	1	22K0161-01	
32	04-DEC-2022 04:57	12032241ECD7.D	1	AR1248CCV1	
33	04-DEC-2022 05:18	12032242ECD7.D	1	AR1660CCV2	
34	04-DEC-2022 05:40	12032243ECD7.D	1	BKL0017-BLK1	
35	04-DEC-2022 06:01	12032244ECD7.D	1	BKL0017-BS1	
36	04-DEC-2022 06:22	12032245ECD7.D	1	BKL0017-BSD1	
37	04-DEC-2022 06:44	12032246ECD7.D	1	22J0139-01	
38	04-DEC-2022 07:05	12032247ECD7.D	1	BKK0383-BLK1	
39	04-DEC-2022 07:26	12032248ECD7.D	1	BKK0383-BS1	
40	04-DEC-2022 07:47	12032249ECD7.D	1	BKK0383-BSD	
41	04-DEC-2022 08:09	12032250ECD7.D	1	22K0075-01	
42	04-DEC-2022 08:30	12032251ECD7.D	1	BKK00803-BLK1	
43	04-DEC-2022 08:51	12032252ECD7.D	1	BKK00803-BS1	
44	04-DEC-2022 09:13	12032253ECD7.D	1	BKK00803-BSD1	
45	04-DEC-2022 09:34	12032254ECD7.D	1	22K0511-01	
46	04-DEC-2022 09:55	12032255ECD7.D	1	AR1242CCV3	
47	04-DEC-2022 10:17	12032256ECD7.D	1	AR1660CCV4	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

Instrument: ecd7.i Date: 03-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1758	12032210ECD7.D	IB	1	NO MANUAL INTEGRATION
1819	12032211ECD7.D	0.25PPAR1660	1	NO MANUAL INTEGRATION
1840	12032212ECD7.D	0.02PPAR1660	1	NO MANUAL INTEGRATION
1901	12032213ECD7.D	0.05PPAR1660	1	NO MANUAL INTEGRATION
1923	12032214ECD7.D	1PPMAR1660	1	NO MANUAL INTEGRATION
1944	12032215ECD7.D	0.1PPMAR1660	1	NO MANUAL INTEGRATION
2005	12032216ECD7.D	0.5PPMAR1660	1	NO MANUAL INTEGRATION
2026	12032217ECD7.D	AR1242	1	Aroclor-1242,
2048	12032218ECD7.D	AR1248	1	NO MANUAL INTEGRATION
2109	12032219ECD7.D	AR1254	1	NO MANUAL INTEGRATION
2130	12032220ECD7.D	AR2162	1	NO MANUAL INTEGRATION
2152	12032221ECD7.D	AR3268	1	NO MANUAL INTEGRATION
2213	12032222ECD7.D	AR1660SCV1	1	NO MANUAL INTEGRATION
2234	12032223ECD7.D	AR1242SCV2	1	NO MANUAL INTEGRATION
2255	12032224ECD7.D	AR1248SCV3	1	NO MANUAL INTEGRATION
2317	12032225ECD7.D	AR1254SCV4	1	NO MANUAL INTEGRATION
2338	12032226ECD7.D	AR2162SCV5	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 03-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
2359	12032227ECD7.D	AR3268SCV6	1	NO MANUAL INTEGRATION

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032210ECD7.D
Data file 2: /221203.b/221203.b/12032210ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: PCB.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: IB
Client ID:
Injection Date: 03-DEC-2022 17:58
Report Date: 12/05/2022 13:27
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.001	239778	5.713	-0.000	128576	38.5	38.5	0.1	Tetrachloro-m-xylene
13.907	-0.001	273387	14.135	-0.002	193829	39.5	39.9	1.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	439478	-1.8
Hexabromobiphenyl	798898	755658	-5.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	243327	-2.3
Hexabromobiphenyl	362541	342503	-5.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	---			0.0	1	---			0.0
Aroclor-1221	2	---			0.0	2	---			0.0
Aroclor-1221	3	---			0.0	3	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	---			0.0	2	---			0.0
Aroclor-1260	3	---			0.0	3	---			0.0
Aroclor-1260	4	---			0.0	4	---			0.0
Aroclor-1260	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	---			0.0	2	---			0.0
Aroclor-1262	3	---			0.0	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	---			0.0	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	---			0.0	3	---			0.0
Aroclor-1268	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (5.936 - 13.808) = 14711 Col1 Total PCB = 0.0 ppm*

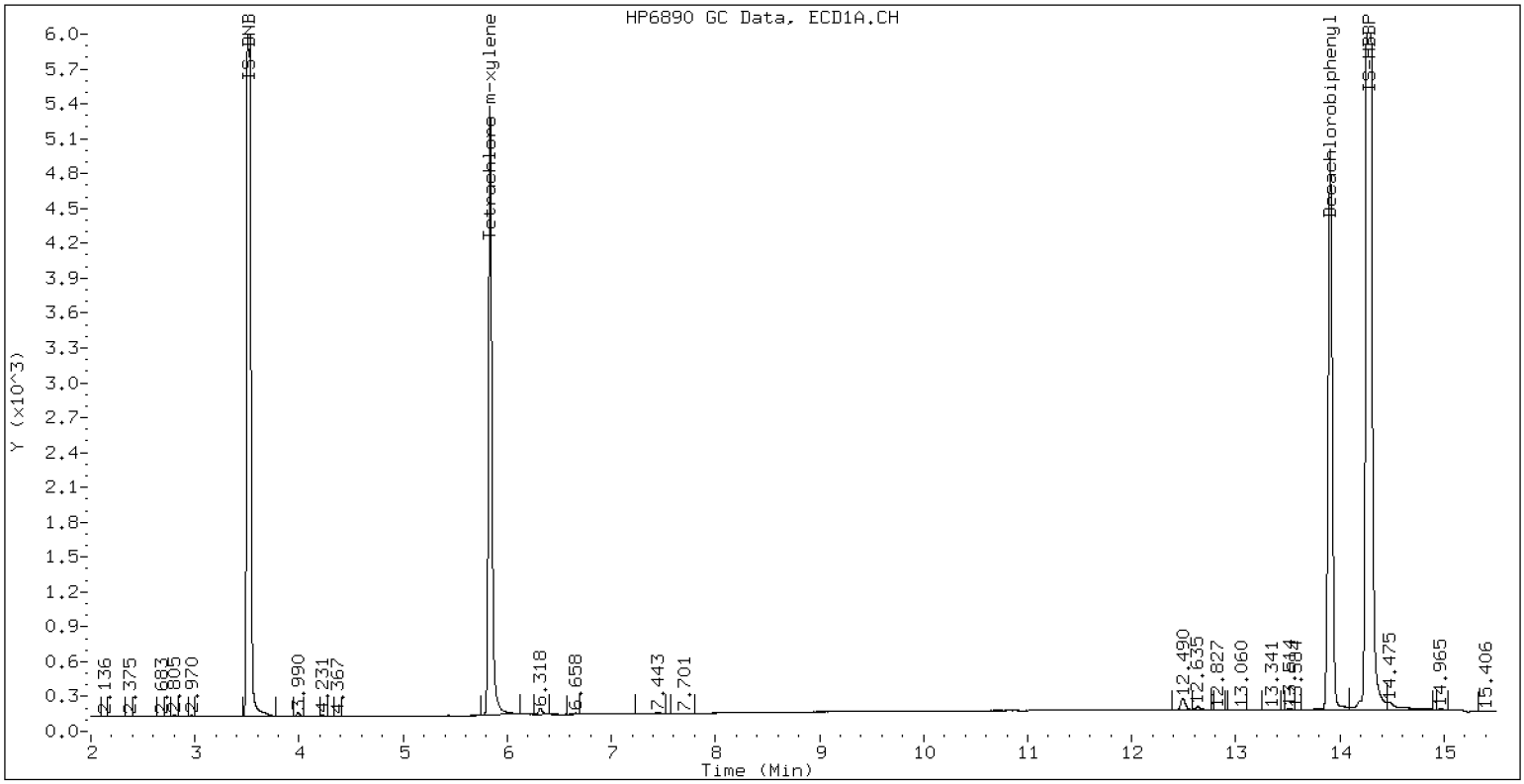
Total PCB Area Col2 (5.936 - 13.808) = 6305 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

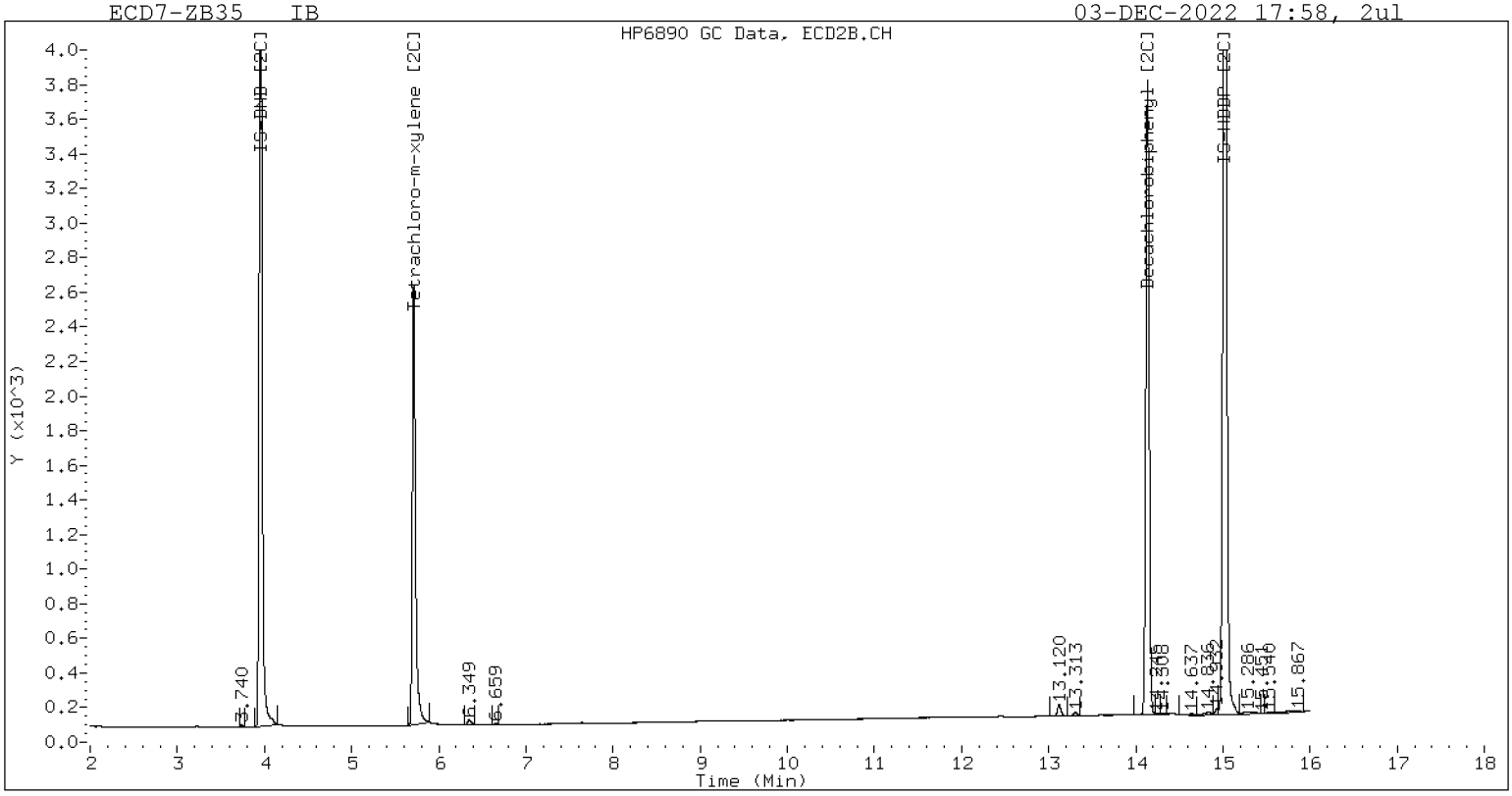
PCB Dual Column Chromatograms

ECD7-ZB5 IB 03-DEC-2022 17:58, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 IB 03-DEC-2022 17:58, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032211ECD7.D
Data file 2: /221203.b/221203.b/12032211ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 0.25PPAR1660
Client ID:
Injection Date: 03-DEC-2022 18:19
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	255851	5.713	-0.000	137407	40.3	40.2	0.2	Tetrachloro-m-xylene
13.908	-0.001	282218	14.135	-0.001	204430	38.5	39.7	3.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	447645	0.0
Hexabromobiphenyl	798898	798898	0.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	249094	0.0
Hexabromobiphenyl	362541	362541	0.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	7.293	0.001	37624	252.0	1	7.277	0.002	31793	249.6
Aroclor-1016	2	7.679	0.005	121929	252.9	2	7.873	0.002	68340	248.8
Aroclor-1016	3	7.813	0.003	53937	246.9	3	8.072	0.002	28420	240.9
Aroclor-1016	4	8.426	0.002	35116	252.1	4	8.243	0.002	15828	255.2
Total Col1Ave (4 peaks):					251.0	Total Col2Ave (4 peaks):				248.6 RPD = 1
Corrected Ave (3 peaks):					250.3	Corrected Ave (3 peaks):				246.5 RPD = 2
CalAmt %D:					0.4	CalAmt %D:				-0.5
Aroclor-1260	1	11.062	0.001	73858	254.0	1	11.670	0.001	47881	250.2
Aroclor-1260	2	11.378	0.000	76426	254.1	2	11.933	0.000	122823	255.8
Aroclor-1260	3	11.752	0.002	198339	251.0	3	12.452	0.001	31682	247.8
Aroclor-1260	4	12.156	0.002	101327	251.8	4	12.518	0.001	79568	248.6
Aroclor-1260	5	12.262	0.002	41048	249.2	NS	---			----
Total Col1Ave (5 peaks):					252.0	Total Col2Ave (4 peaks):				250.6 RPD = 1
Corrected Ave (4 peaks):					251.5	Corrected Ave (3 peaks):				248.8 RPD = 1
CalAmt %D:					0.8	CalAmt %D:				0.2

Total PCB Area Col1 (5.936 - 13.808) = 2139467 Col1 Total PCB = 0.4 ppm*

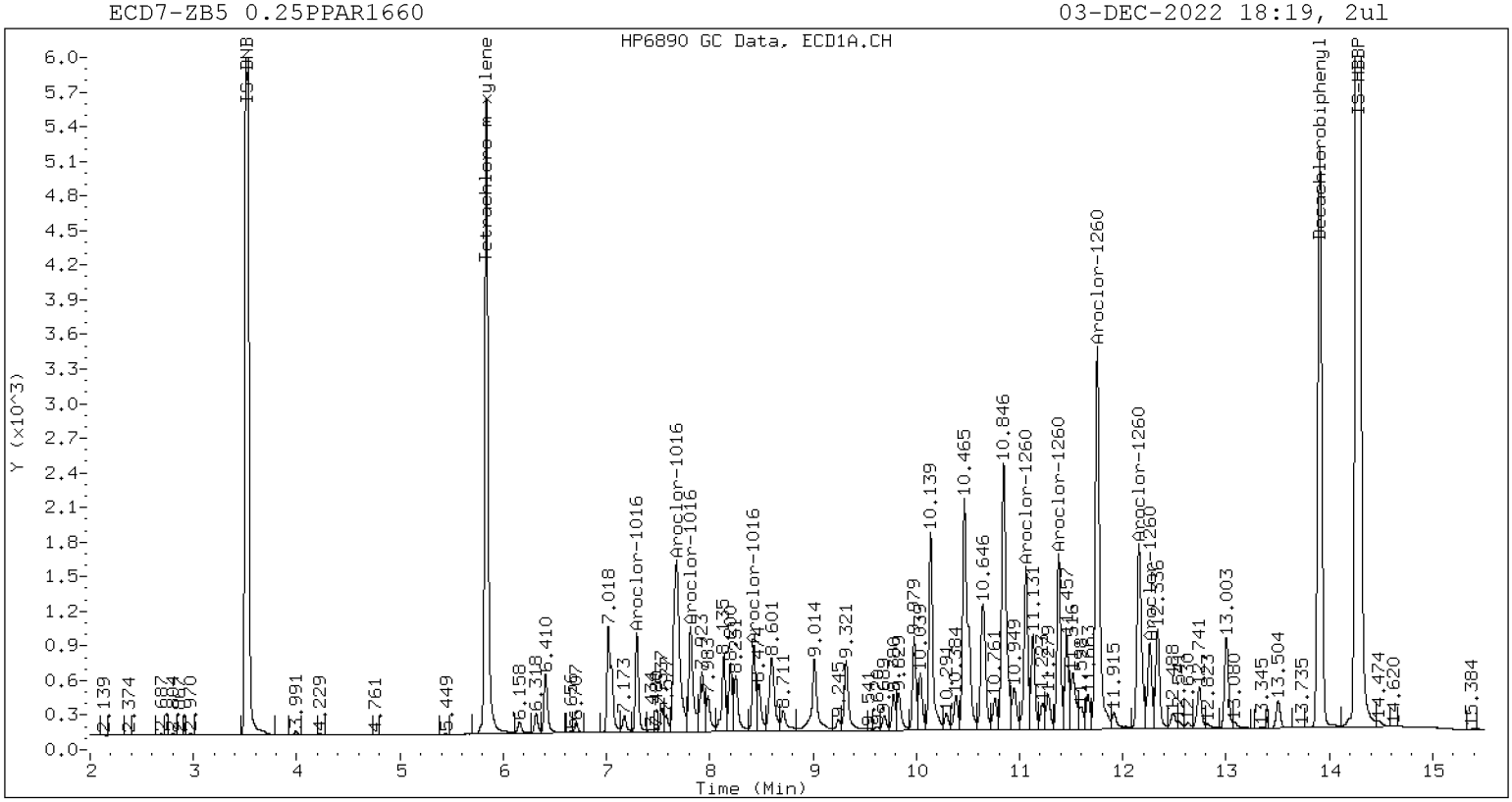
Total PCB Area Col2 (5.936 - 13.808) = 1168134 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

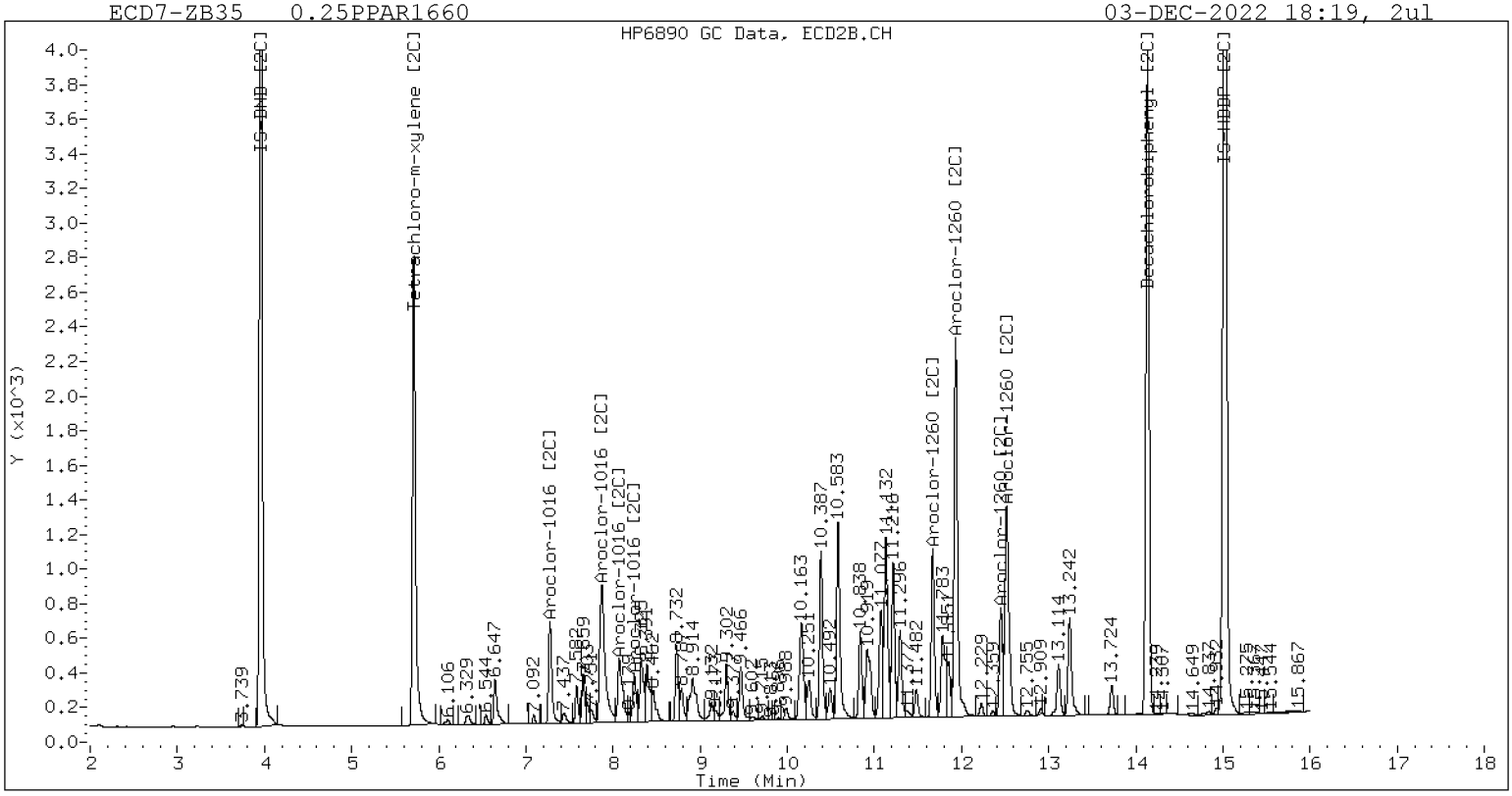
PCB Dual Column Chromatograms

ECD7-ZB5 0.25PPAR1660 03-DEC-2022 18:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.25PPAR1660 03-DEC-2022 18:19, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032212ECD7.D
Data file 2: /221203.b/221203.b/12032212ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 0.02PPAR1660
Client ID:
Injection Date: 03-DEC-2022 18:40
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.001	21148	5.713	-0.000	11703	3.3	3.4	2.8	Tetrachloro-m-xylene
13.907	-0.002	27903	14.135	-0.002	17860	3.7	3.4	7.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	456831	2.1
Hexabromobiphenyl	798898	833597	4.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	254070	2.0
Hexabromobiphenyl	362541	372232	2.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.294	0.002	3234	21.2	1	7.276	0.001	2808	21.6
Aroclor-1016	2	7.687	0.013	10166	20.7	2	7.879	0.009	5797	20.7
Aroclor-1016	3	7.819	0.009	4988	22.4	3	8.077	0.007	2653	22.1
Aroclor-1016	4	8.430	0.006	2807	19.7	4	8.249	0.008	1173	18.5
Total Col1Ave (4 peaks):					21.0	Total Col2Ave (4 peaks):				20.7 RPD = 1
Corrected Ave (3 peaks):					20.5	Corrected Ave (3 peaks):				20.3 RPD = 1
CalAmt %D:					5.0	CalAmt %D:				3.6
Aroclor-1260	1	11.066	0.004	6255	20.6	1	11.672	0.003	4216	21.5
Aroclor-1260	2	11.382	0.004	6329	20.2	2	11.937	0.005	10262	20.8
Aroclor-1260	3	11.758	0.008	16621	20.2	3	12.453	0.002	2734	20.8
Aroclor-1260	4	12.162	0.008	8146	19.4	4	12.521	0.004	6997	21.3
Aroclor-1260	5	12.264	0.004	3406	19.8	NS	---			----
Total Col1Ave (5 peaks):					20.0	Total Col2Ave (4 peaks):				21.1 RPD = 5
Corrected Ave (4 peaks):					19.9	Corrected Ave (3 peaks):				21.0 RPD = 5
CalAmt %D:					0.2	CalAmt %D:				5.5

Total PCB Area Col1 (5.936 - 13.808) = 188011 Col1 Total PCB = 0.0 ppm*

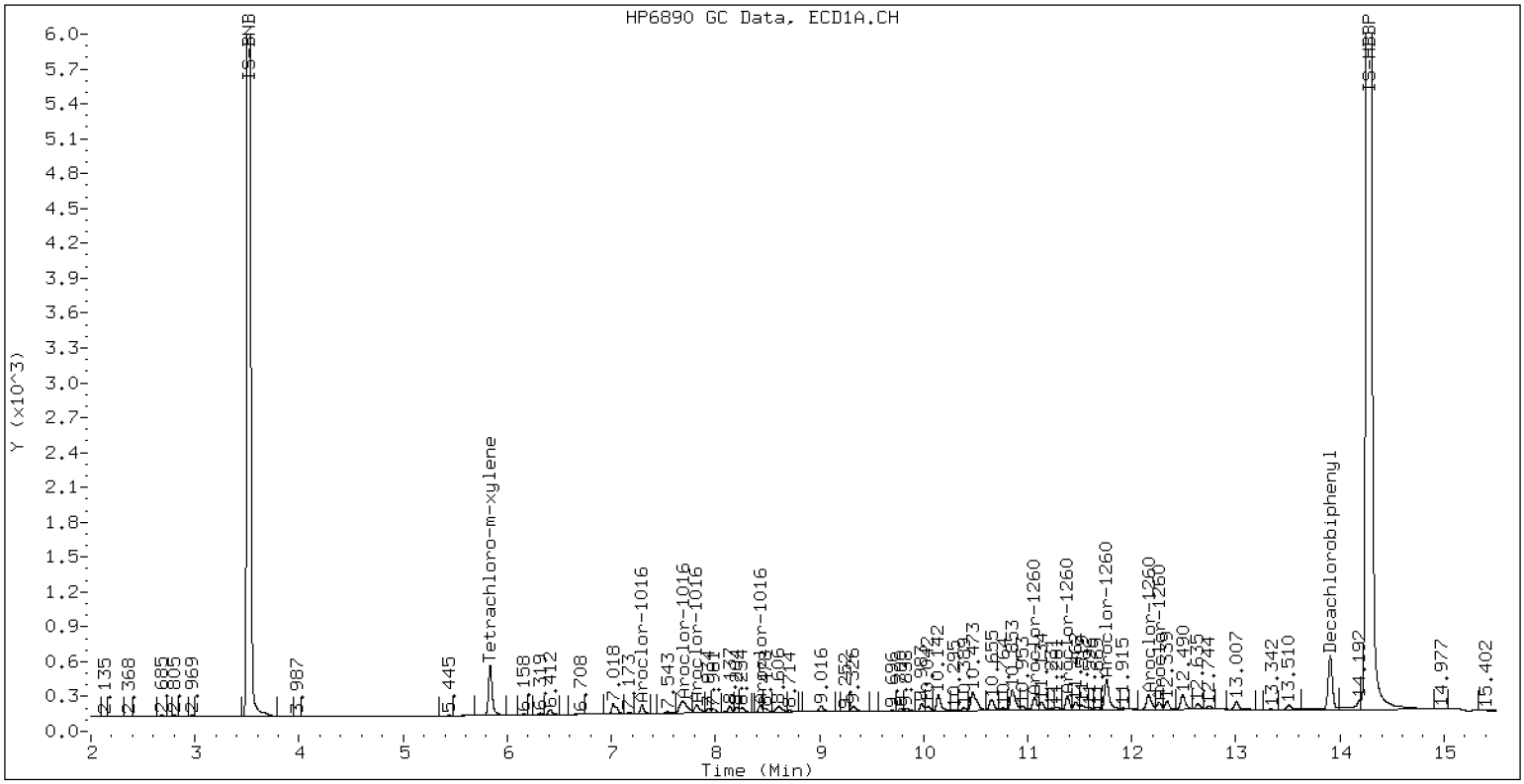
Total PCB Area Col2 (5.936 - 13.808) = 100527 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

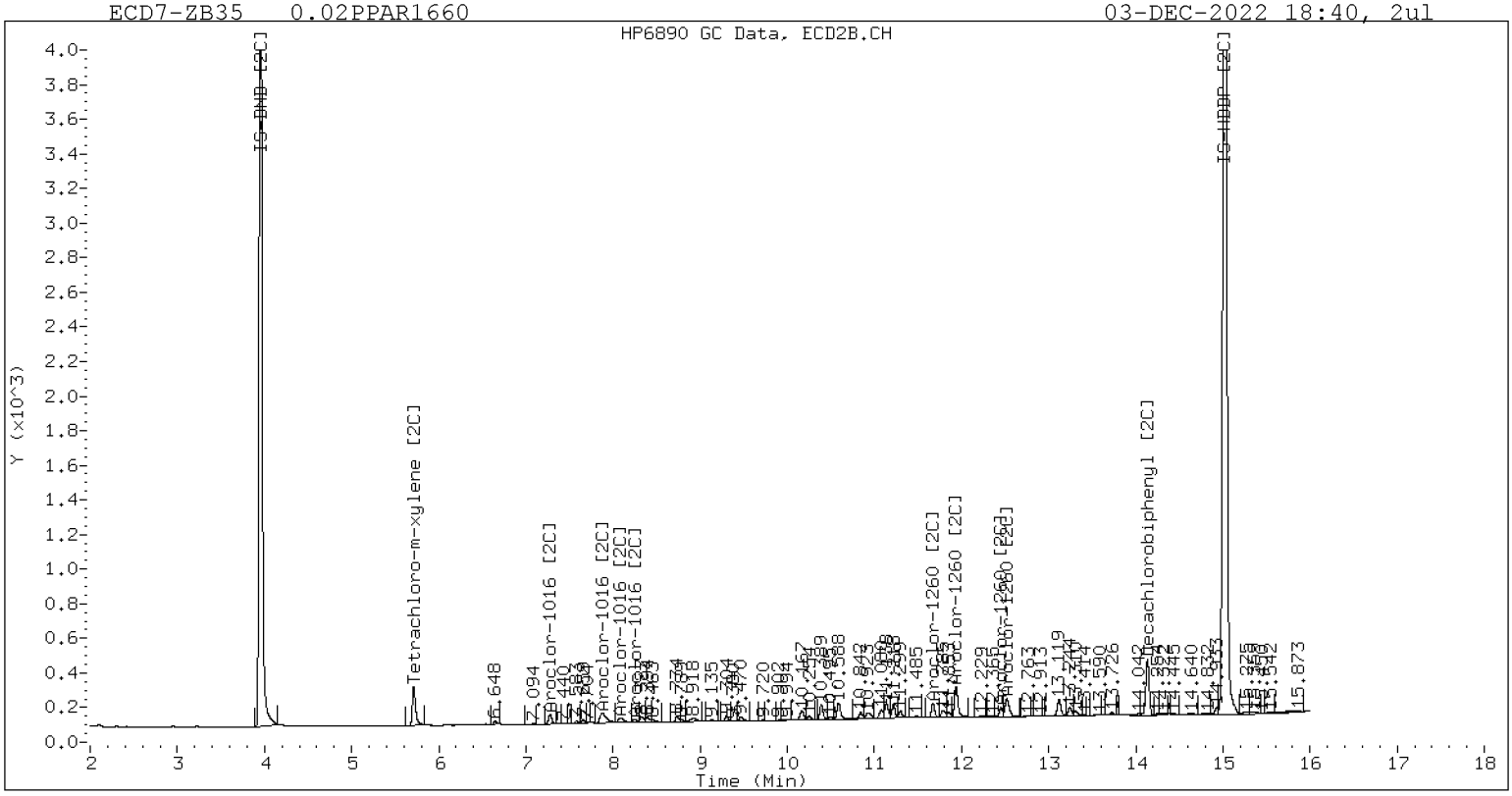
PCB Dual Column Chromatograms

ECD7-ZB5 0.02PPAR1660 03-DEC-2022 18:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.02PPAR1660 03-DEC-2022 18:40, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032213ECD7.D
Data file 2: /221203.b/221203.b/12032213ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 0.05PPAR1660
Client ID:
Injection Date: 03-DEC-2022 19:01
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	51078	5.713	-0.000	27008	8.0	7.8	1.5	Tetrachloro-m-xylene
13.907	-0.001	63325	14.137	-0.000	42829	8.2	8.0	3.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	453269	1.3
Hexabromobiphenyl	798898	840633	5.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	251466	1.0
Hexabromobiphenyl	362541	378380	4.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.294	0.002	7743	51.2	1	7.277	0.002	6704	52.1
Aroclor-1016	2	7.686	0.012	24543	50.3	2	7.879	0.008	14768	53.3
Aroclor-1016	3	7.818	0.008	12052	54.5	3	8.078	0.007	6672	56.0
Aroclor-1016	4	8.429	0.005	7291	51.7	4	8.249	0.007	3185	50.9
Total Col1Ave (4 peaks):					51.9	Total Col2Ave (4 peaks):				53.1 RPD = 2
Corrected Ave (3 peaks):					51.1	Corrected Ave (3 peaks):				52.1 RPD = 2
CalAmt %D:					3.8	CalAmt %D:				6.1
Aroclor-1260	1	11.066	0.004	15578	50.9	1	11.673	0.003	10647	53.3
Aroclor-1260	2	11.382	0.005	16010	50.6	2	11.937	0.004	25845	51.6
Aroclor-1260	3	11.757	0.007	42278	50.8	3	12.454	0.002	6703	50.2
Aroclor-1260	4	12.160	0.006	20971	49.5	4	12.520	0.004	17174	51.4
Aroclor-1260	5	12.263	0.004	8785	50.7	NS	---			----
Total Col1Ave (5 peaks):					50.5	Total Col2Ave (4 peaks):				51.6 RPD = 2
Corrected Ave (4 peaks):					50.4	Corrected Ave (3 peaks):				51.1 RPD = 1
CalAmt %D:					1.0	CalAmt %D:				3.3

Total PCB Area Col1 (5.936 - 13.808) = 457627 Col1 Total PCB = 0.1 ppm*

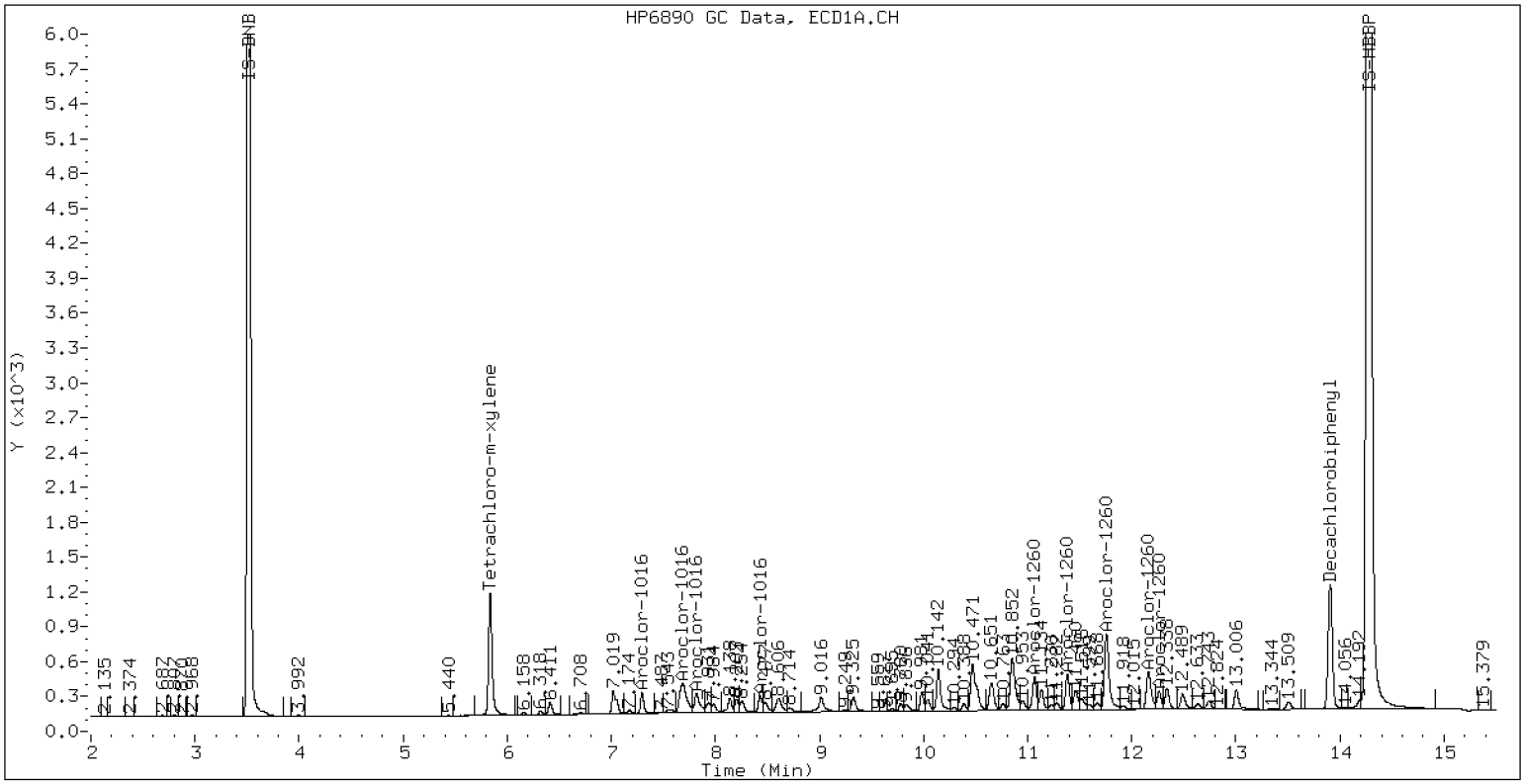
Total PCB Area Col2 (5.936 - 13.808) = 253240 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

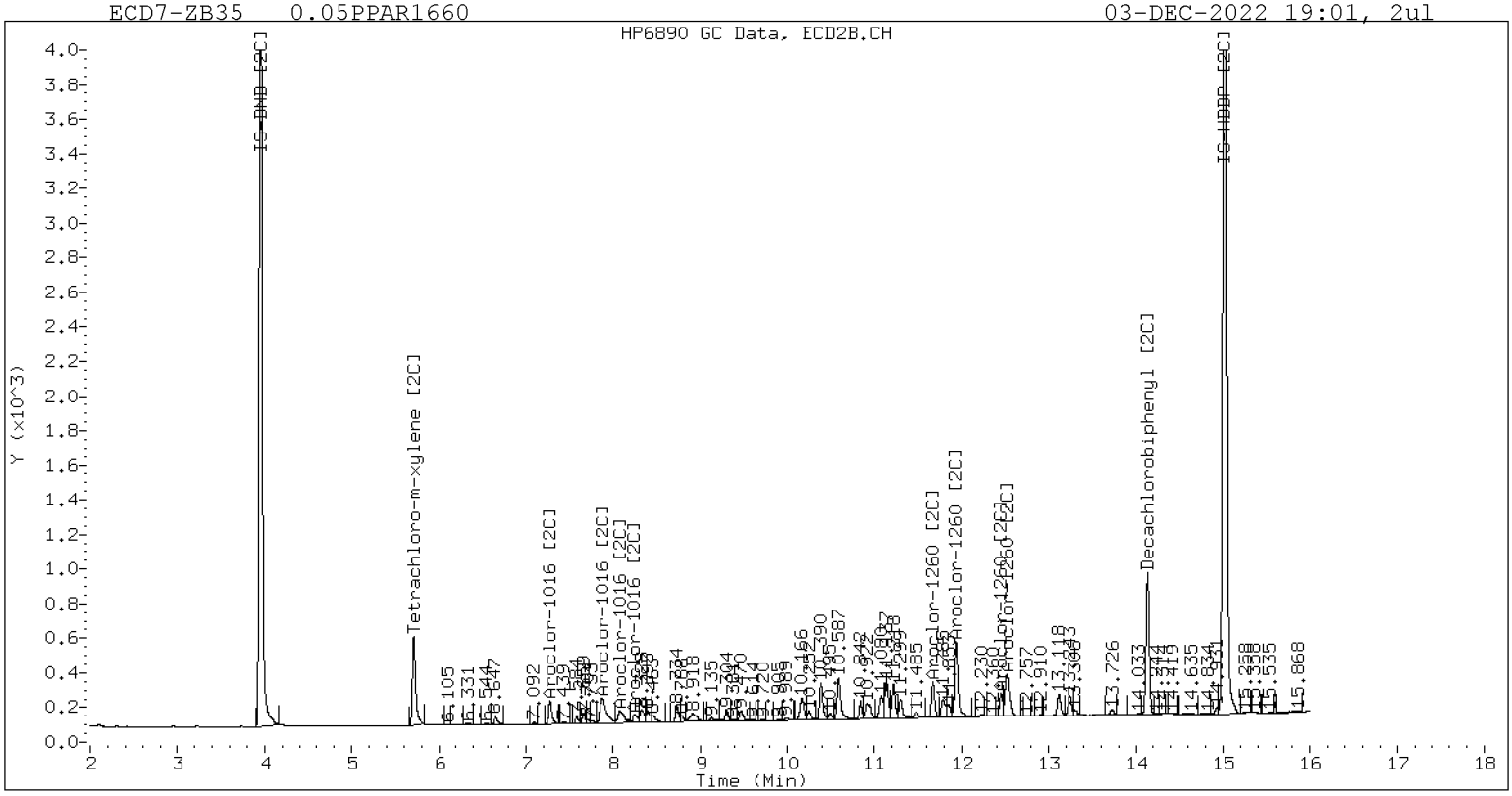
PCB Dual Column Chromatograms

ECD7-ZB5 0.05PPAR1660 03-DEC-2022 19:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.05PPAR1660 03-DEC-2022 19:01, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032214ECD7.D
Data file 2: /221203.b/221203.b/12032214ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 1PPMAR1660
Client ID:
Injection Date: 03-DEC-2022 19:23
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.001	1010529	5.712	-0.002	531708	152.6	150.7	1.3	Tetrachloro-m-xylene
13.908	-0.001	1103073	14.137	-0.000	836962	144.8	153.1	5.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	467179	4.4
Hexabromobiphenyl	798898	830915	4.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257438	3.3
Hexabromobiphenyl	362541	385067	6.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.001	135017	866.4	1	7.276	0.001	112973	858.3
Aroclor-1016	2	7.671	-0.003	458351	911.0	2	7.869	-0.001	252319	888.8
Aroclor-1016	3	7.807	-0.003	183320	804.0	3	8.068	-0.002	103219	846.7
Aroclor-1016	4	8.423	-0.001	135184	930.1	4	8.239	-0.002	63199	985.9
Total Col1Ave (4 peaks):					877.9	Total Col2Ave (4 peaks):				894.9 RPD = 2
Corrected Ave (3 peaks):					860.5	Corrected Ave (3 peaks):				864.6 RPD = 0
CalAmt %D:					-12.2	CalAmt %D:				-10.5
Aroclor-1260	1	11.058	-0.003	277616	917.9	1	11.668	-0.002	180676	888.9
Aroclor-1260	2	11.375	-0.002	293627	938.6	2	11.930	-0.002	450760	883.8
Aroclor-1260	3	11.748	-0.002	769872	936.7	3	12.449	-0.002	129799	955.7
Aroclor-1260	4	12.151	-0.003	405939	969.8	4	12.514	-0.002	308791	908.2
Aroclor-1260	5	12.259	-0.001	161370	941.8	NS	---			----
Total Col1Ave (5 peaks):					941.0	Total Col2Ave (4 peaks):				909.1 RPD = 3
Corrected Ave (4 peaks):					933.7	Corrected Ave (3 peaks):				893.6 RPD = 4
CalAmt %D:					-5.9	CalAmt %D:				-9.1

Total PCB Area Col1 (5.936 - 13.808) = 7995465 Col1 Total PCB = 1.5 ppm*

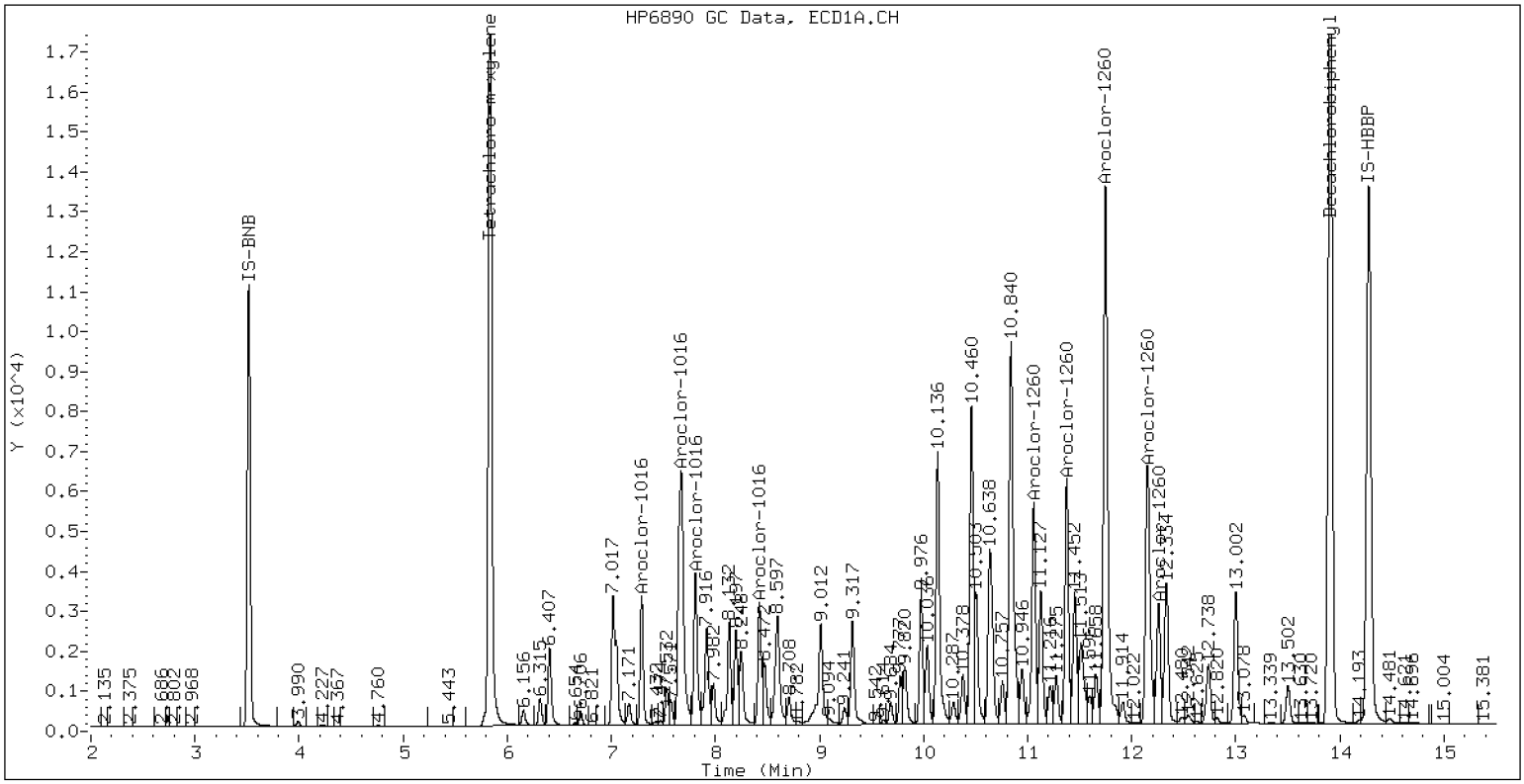
Total PCB Area Col2 (5.936 - 13.808) = 4426537 Col2 Total PCB = 2.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

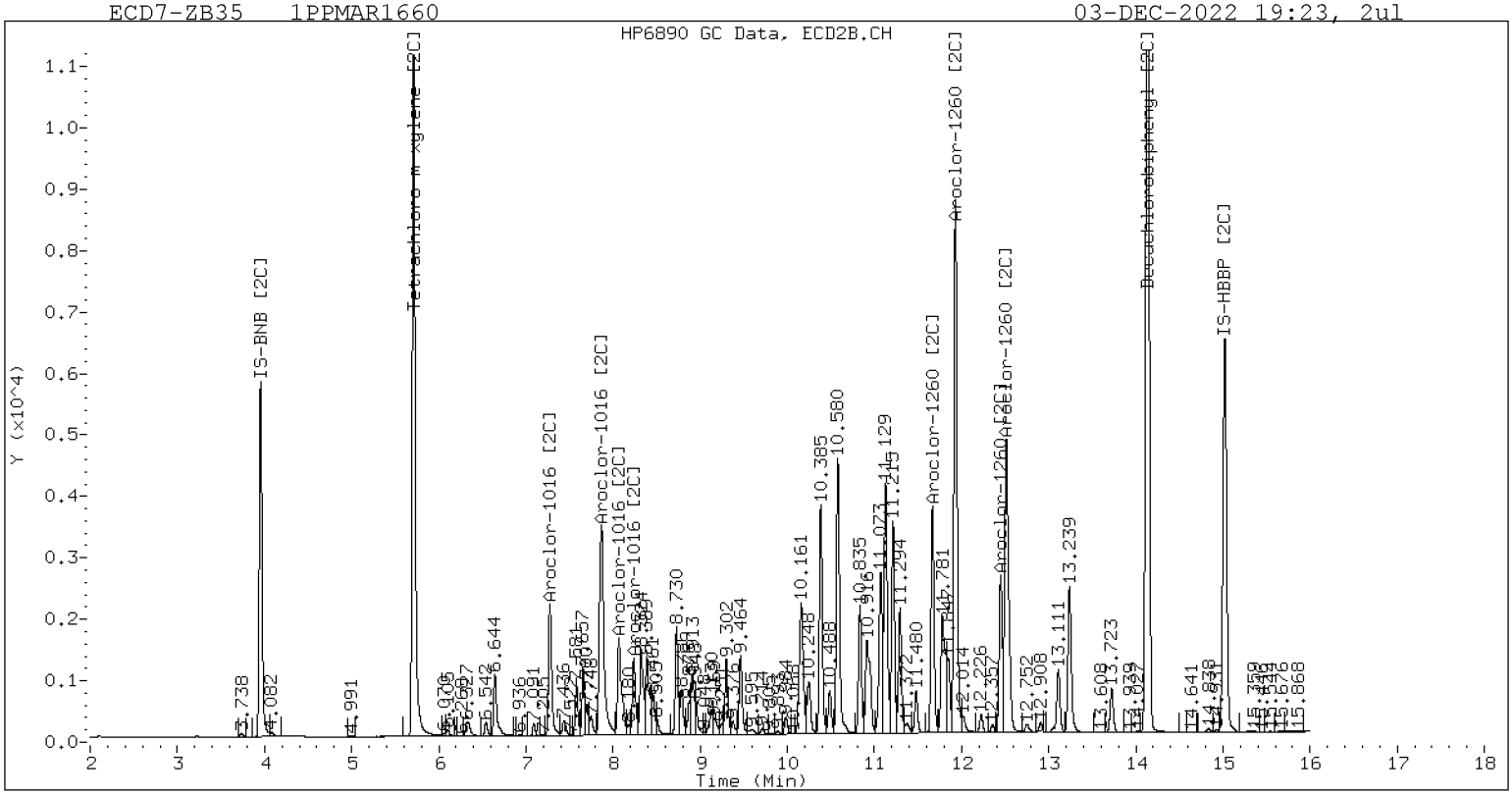
PCB Dual Column Chromatograms

ECD7-ZB5 1PPMAR1660 03-DEC-2022 19:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 1PPMAR1660 03-DEC-2022 19:23, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032215ECD7.D
Data file 2: /221203.b/221203.b/12032215ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 0.1PPMAR1660
Client ID:
Injection Date: 03-DEC-2022 19:44
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	108416	5.713	-0.000	58717	16.7	16.8	0.6	Tetrachloro-m-xylene
13.907	-0.002	126876	14.136	-0.001	91231	16.5	16.6	0.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	457669	2.2
Hexabromobiphenyl	798898	837264	4.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	254712	2.3
Hexabromobiphenyl	362541	387892	7.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	0.001	16631	108.9	1	7.277	0.001	14117	108.4
Aroclor-1016	2	7.680	0.007	52058	105.6	2	7.876	0.006	29792	106.1
Aroclor-1016	3	7.816	0.006	24753	110.8	3	8.076	0.005	12664	105.0
Aroclor-1016	4	8.428	0.004	15027	105.5	4	8.247	0.006	6540	103.1
Total Col1Ave (4 peaks):					107.7	Total Col2Ave (4 peaks):				105.6 RPD = 2
Corrected Ave (3 peaks):					106.7	Corrected Ave (3 peaks):				104.7 RPD = 2
CalAmt %D:					7.7	CalAmt %D:				5.6
Aroclor-1260	1	11.064	0.003	31860	104.5	1	11.671	0.002	21501	105.0
Aroclor-1260	2	11.381	0.003	32914	104.4	2	11.935	0.003	54902	106.9
Aroclor-1260	3	11.756	0.006	88153	106.4	3	12.453	0.002	14336	104.8
Aroclor-1260	4	12.159	0.005	44477	105.5	4	12.520	0.004	36244	105.8
Aroclor-1260	5	12.262	0.002	18369	106.4	NS	---			----
Total Col1Ave (5 peaks):					105.4	Total Col2Ave (4 peaks):				105.6 RPD = 0
Corrected Ave (4 peaks):					105.2	Corrected Ave (3 peaks):				105.2 RPD = 0
CalAmt %D:					5.4	CalAmt %D:				5.6

Total PCB Area Col1 (5.936 - 13.808) = 933356 Col1 Total PCB = 0.2 ppm*

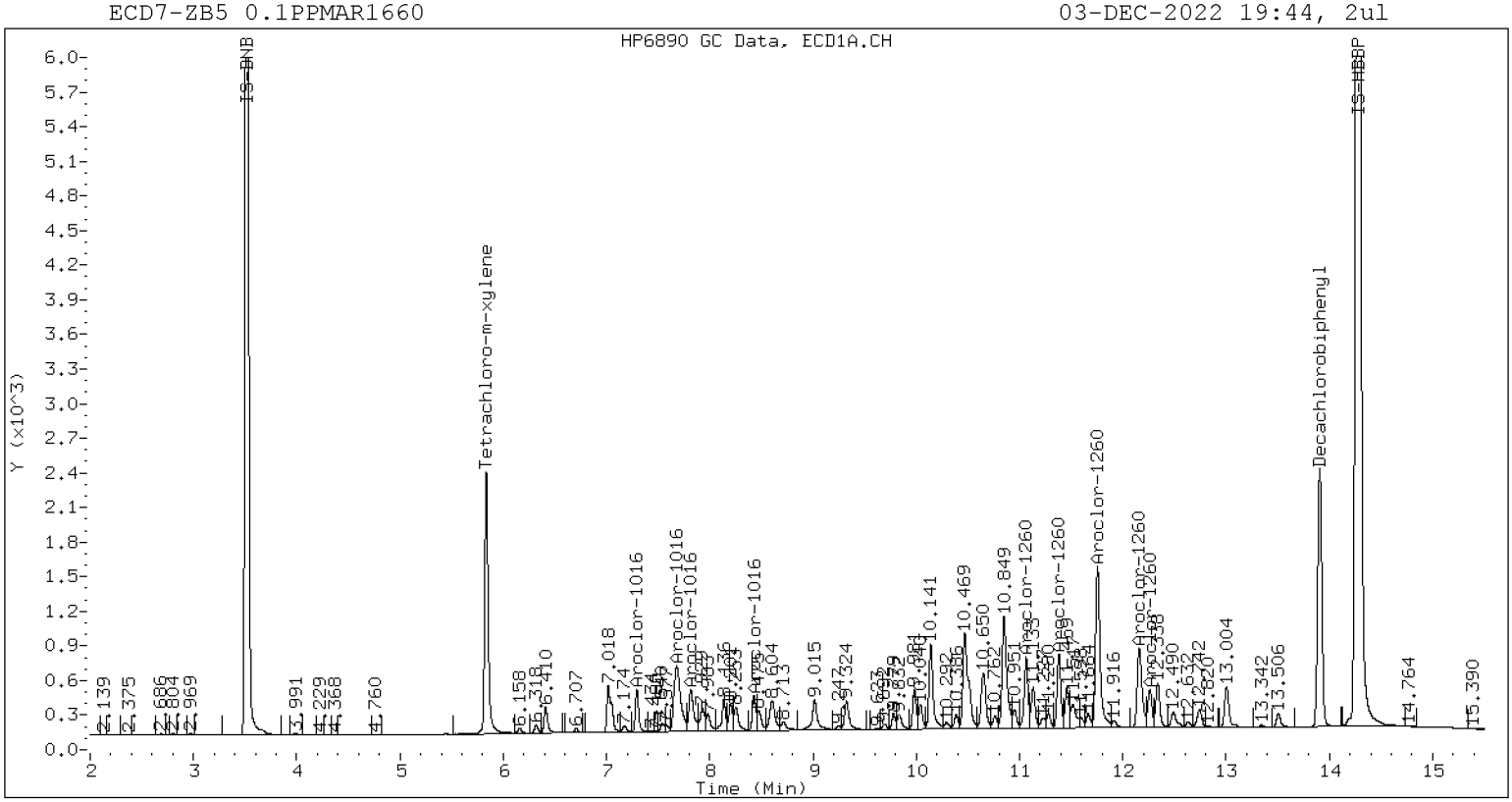
Total PCB Area Col2 (5.936 - 13.808) = 523507 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

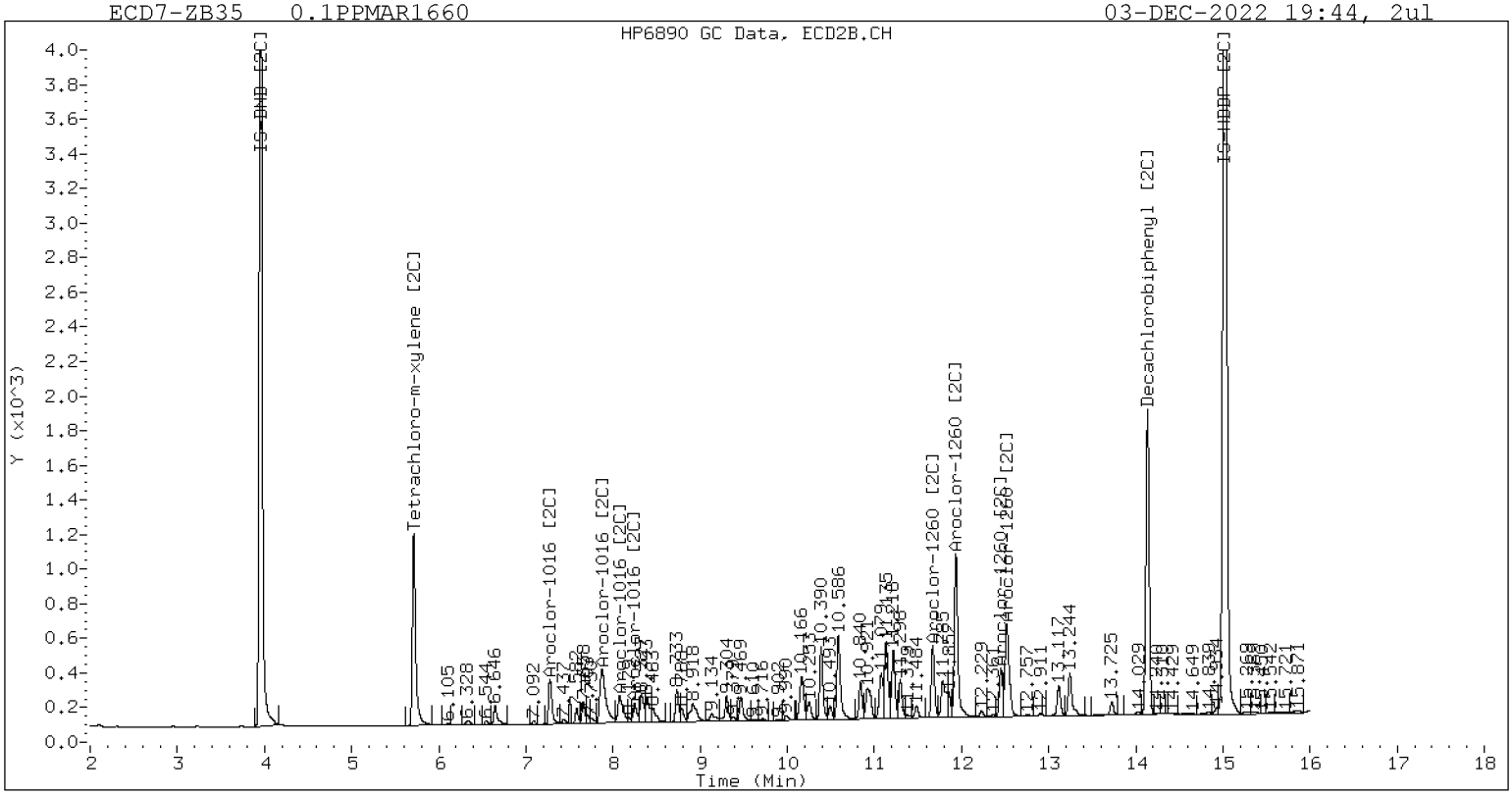
PCB Dual Column Chromatograms

ECD7-ZB5 0.1PPMAR1660 03-DEC-2022 19:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.1PPMAR1660 03-DEC-2022 19:44, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032216ECD7.D
Data file 2: /221203.b/221203.b/12032216ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: 0.5PPMAR1660
Client ID:
Injection Date: 03-DEC-2022 20:05
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	510310	5.711	-0.002	273850	78.2	77.7	0.7	Tetrachloro-m-xylene
13.908	-0.001	570893	14.137	-0.000	431489	74.4	77.0	3.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	460250	2.8
Hexabromobiphenyl	798898	837210	4.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257013	3.2
Hexabromobiphenyl	362541	394788	8.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.292	0.000	73008	475.5	1	7.275	0.000	61467	467.8
Aroclor-1016	2	7.674	0.000	243498	491.2	2	7.870	0.000	135395	477.7
Aroclor-1016	3	7.810	0.000	100165	445.9	3	8.070	0.000	55783	458.3
Aroclor-1016	4	8.424	0.000	70493	492.3	4	8.241	0.000	32578	509.0
Total Col1Ave (4 peaks):					476.3	Total Col2Ave (4 peaks):				478.2 RPD = 0
Corrected Ave (3 peaks):					470.9	Corrected Ave (3 peaks):				467.9 RPD = 1
CalAmt %D:					-4.7	CalAmt %D:				-4.4
Aroclor-1260	1	11.062	0.000	148089	485.9	1	11.669	0.000	95983	460.6
Aroclor-1260	2	11.377	0.000	154542	490.3	2	11.933	0.000	249045	476.3
Aroclor-1260	3	11.750	0.000	401802	485.2	3	12.451	0.000	66824	479.9
Aroclor-1260	4	12.154	0.000	212604	504.1	4	12.517	0.000	165020	473.4
Aroclor-1260	5	12.260	0.000	85762	496.7	NS	---			----
Total Col1Ave (5 peaks):					492.5	Total Col2Ave (4 peaks):				472.5 RPD = 4
Corrected Ave (4 peaks):					489.5	Corrected Ave (3 peaks):				470.1 RPD = 4
CalAmt %D:					-1.5	CalAmt %D:				-5.5

Total PCB Area Col1 (5.936 - 13.808) = 4267475 Col1 Total PCB = 0.8 ppm*

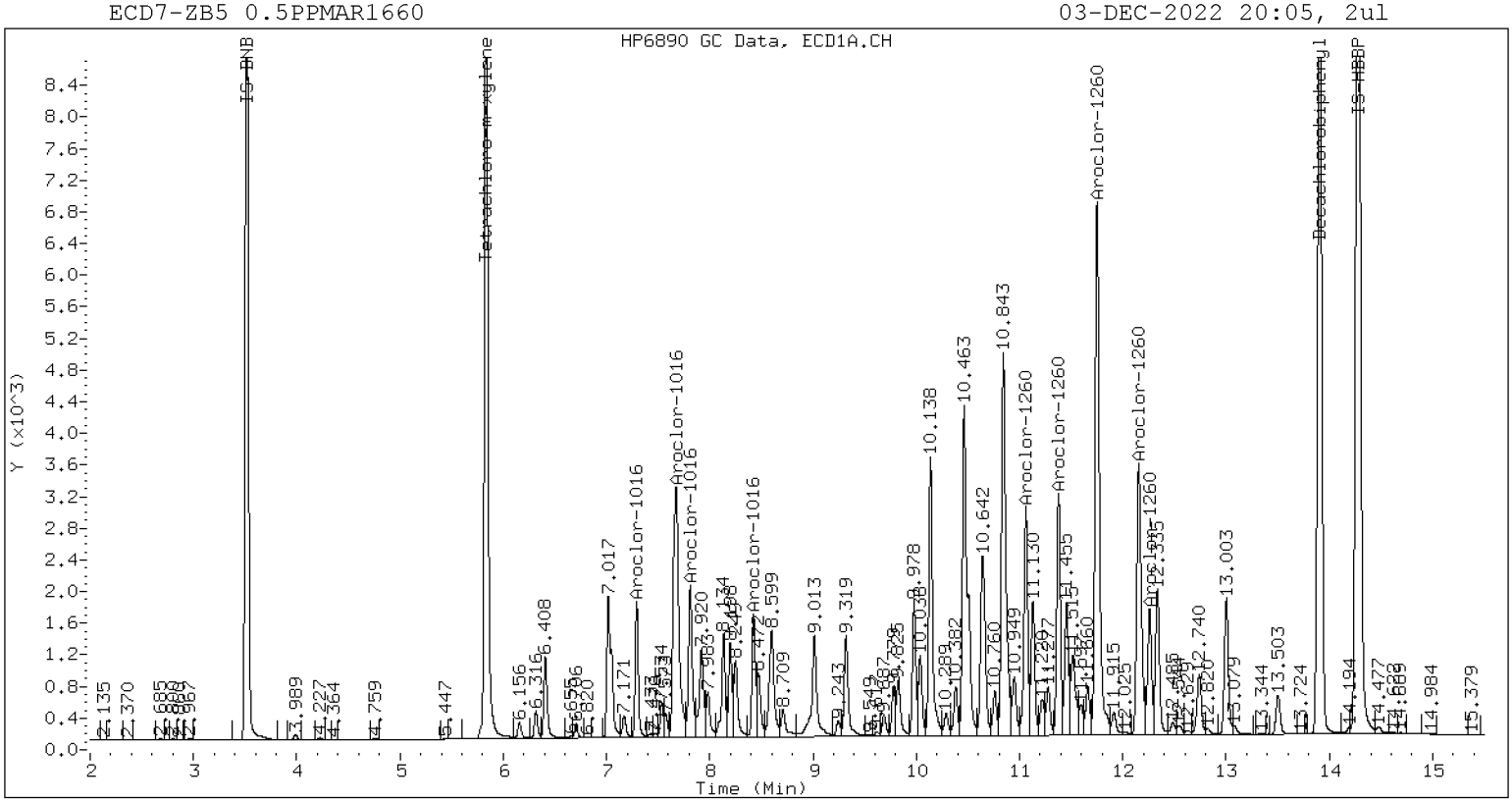
Total PCB Area Col2 (5.936 - 13.808) = 2352394 Col2 Total PCB = 1.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

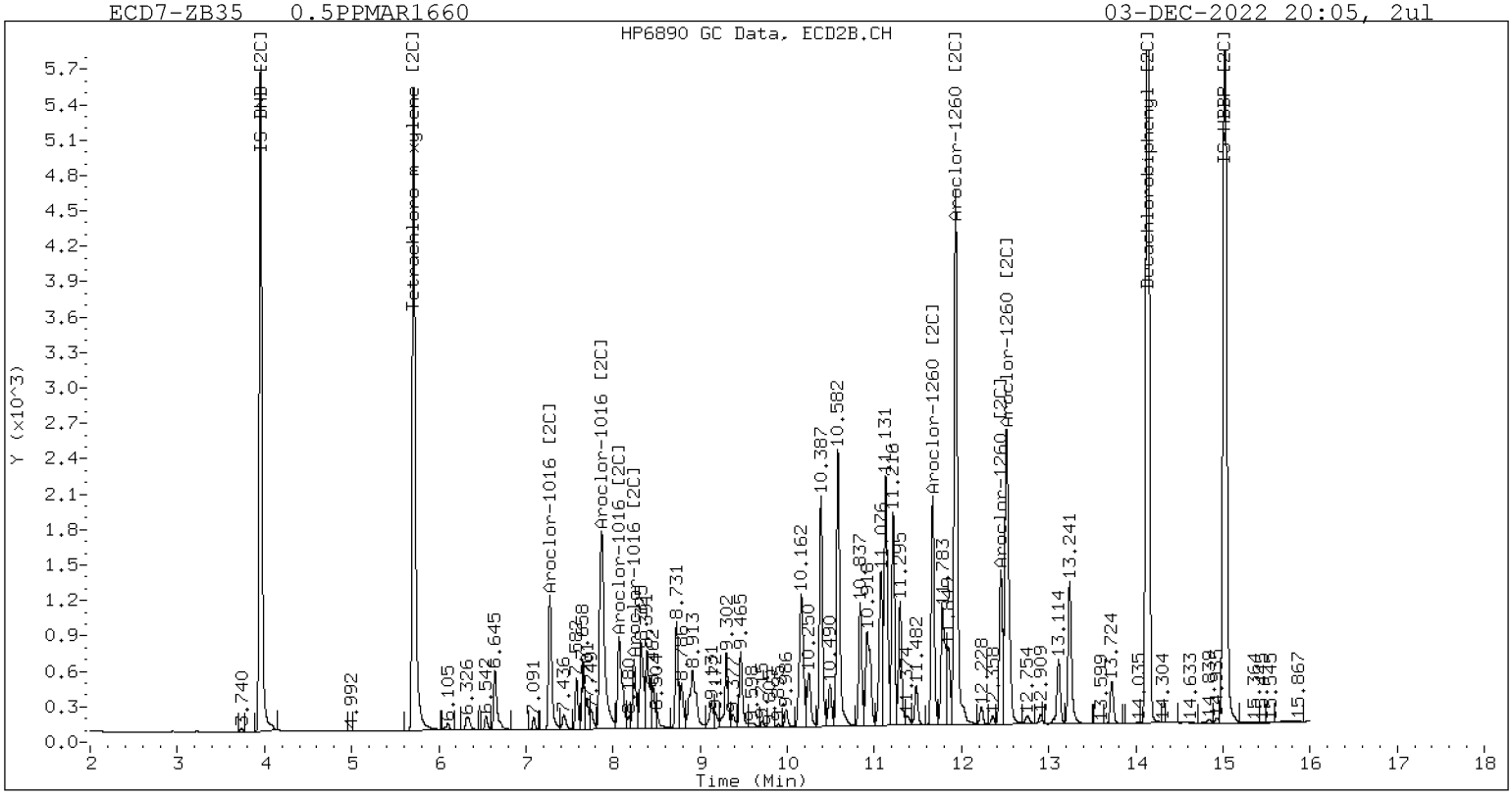
PCB Dual Column Chromatograms

ECD7-ZB5 0.5PPMAR1660 03-DEC-2022 20:05, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.5PPMAR1660 03-DEC-2022 20:05, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032217ECD7.D
Data file 2: /221203.b/221203.b/12032217ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242
Client ID:
Injection Date: 03-DEC-2022 20:26
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	243461	5.713	-0.000	130768	37.3	37.1	0.4	Tetrachloro-m-xylene
13.908	-0.001	300671	14.137	0.000	218277	38.5	38.4	0.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	461030	3.0
Hexabromobiphenyl	798898	851899	6.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257053	3.2
Hexabromobiphenyl	362541	400012	10.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.294	0.000	32669	250.0	1	7.277	0.000	27198	250.0
Aroclor-1242	2	7.680	0.000	103727	250.0	2	7.875	0.000	57737	250.0
Aroclor-1242	3	8.427	0.000	29844	250.0	3	9.178	0.000	18627	250.0
Aroclor-1242	4	9.030	0.000	61970	250.0	4	9.605	0.000	22388	250.0

Total Col1Ave (4 peaks): 250.0 Total Col2Ave (4 peaks): 250.0 RPD = 0

Corrected Ave (3 peaks): 250.0 Corrected Ave (3 peaks): 250.0 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 766457 Col1 Total PCB = 0.1 ppm*

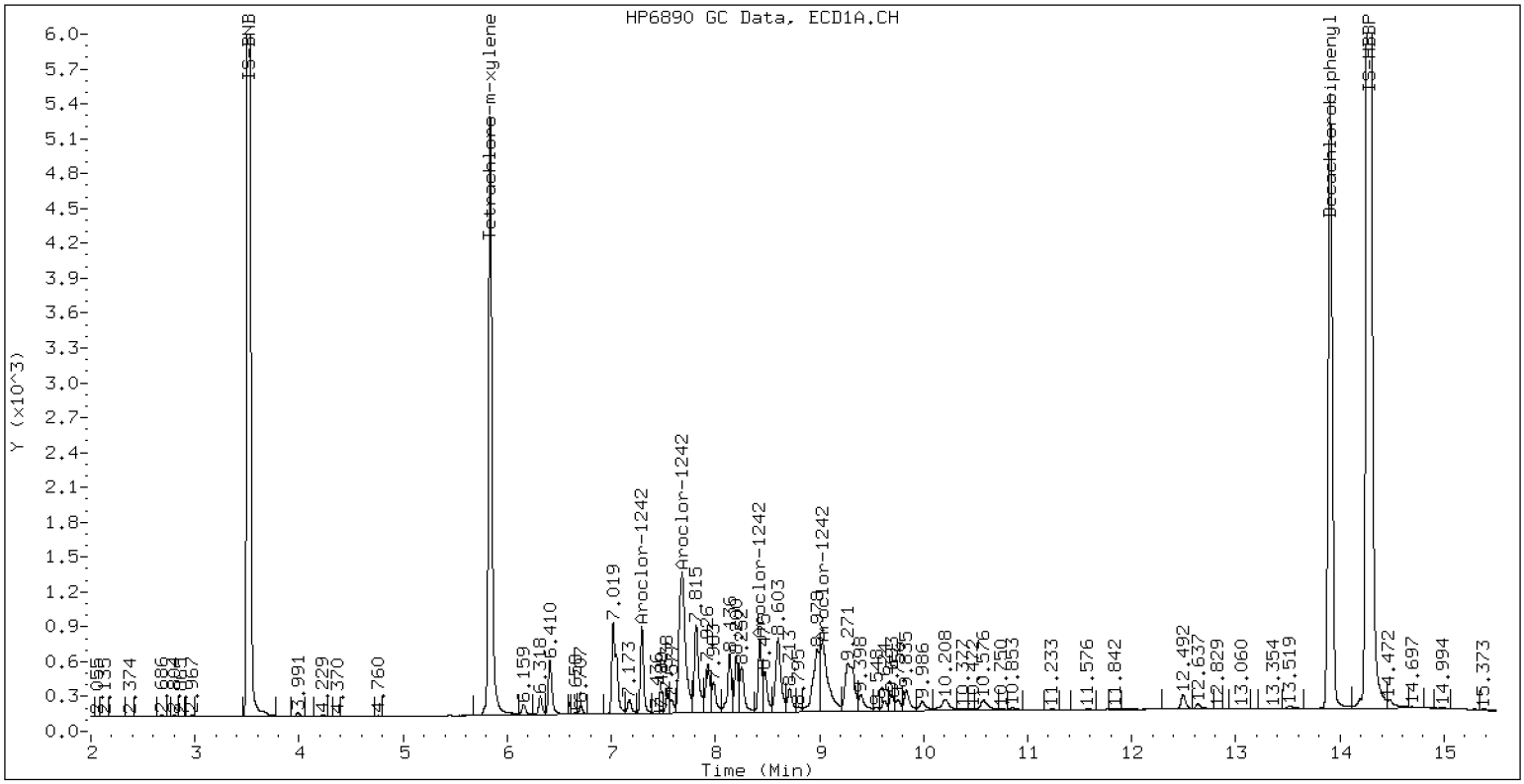
Total PCB Area Col2 (5.936 - 13.808) = 407128 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

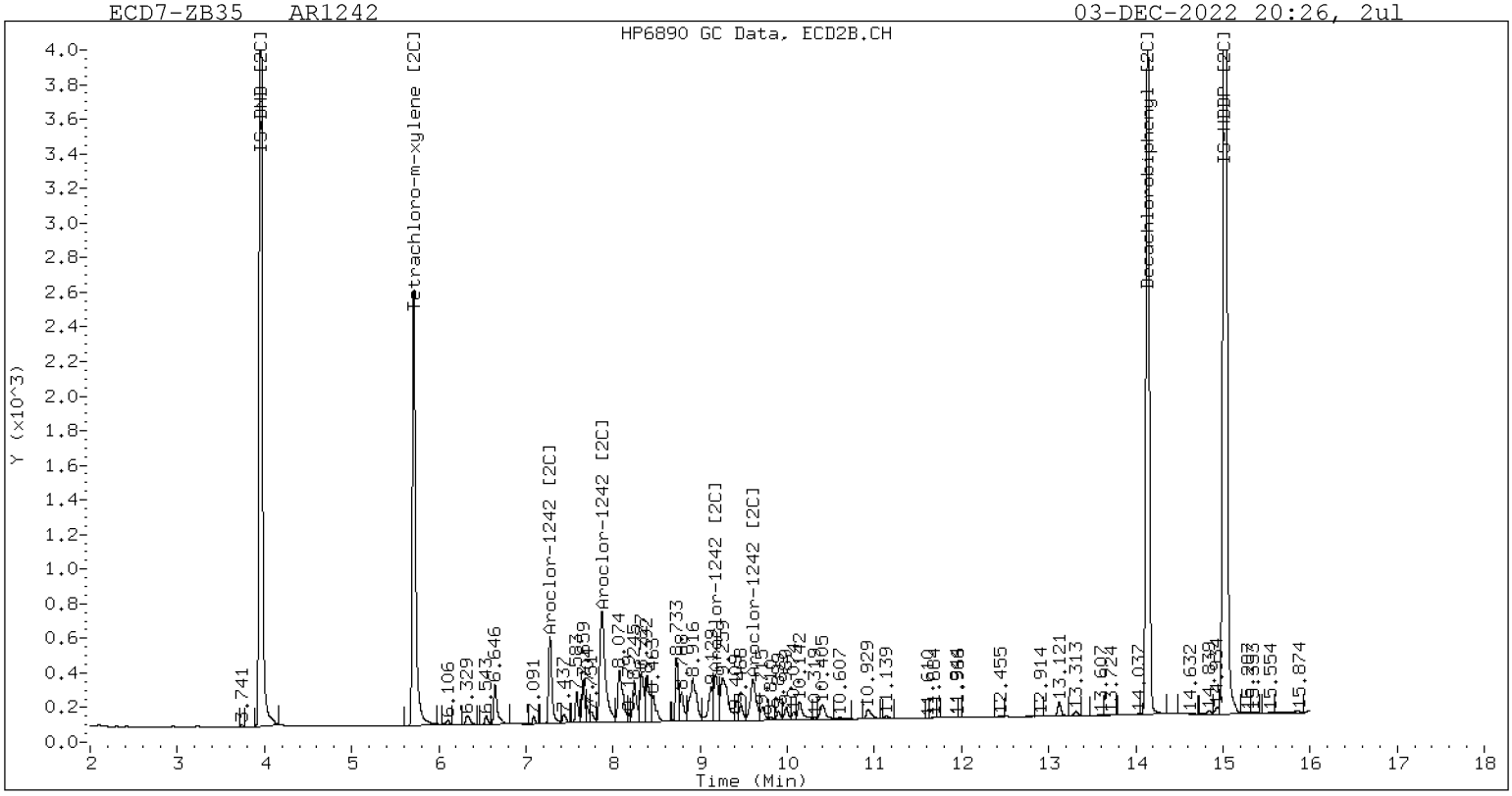
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242 03-DEC-2022 20:26, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242 03-DEC-2022 20:26, 2ul

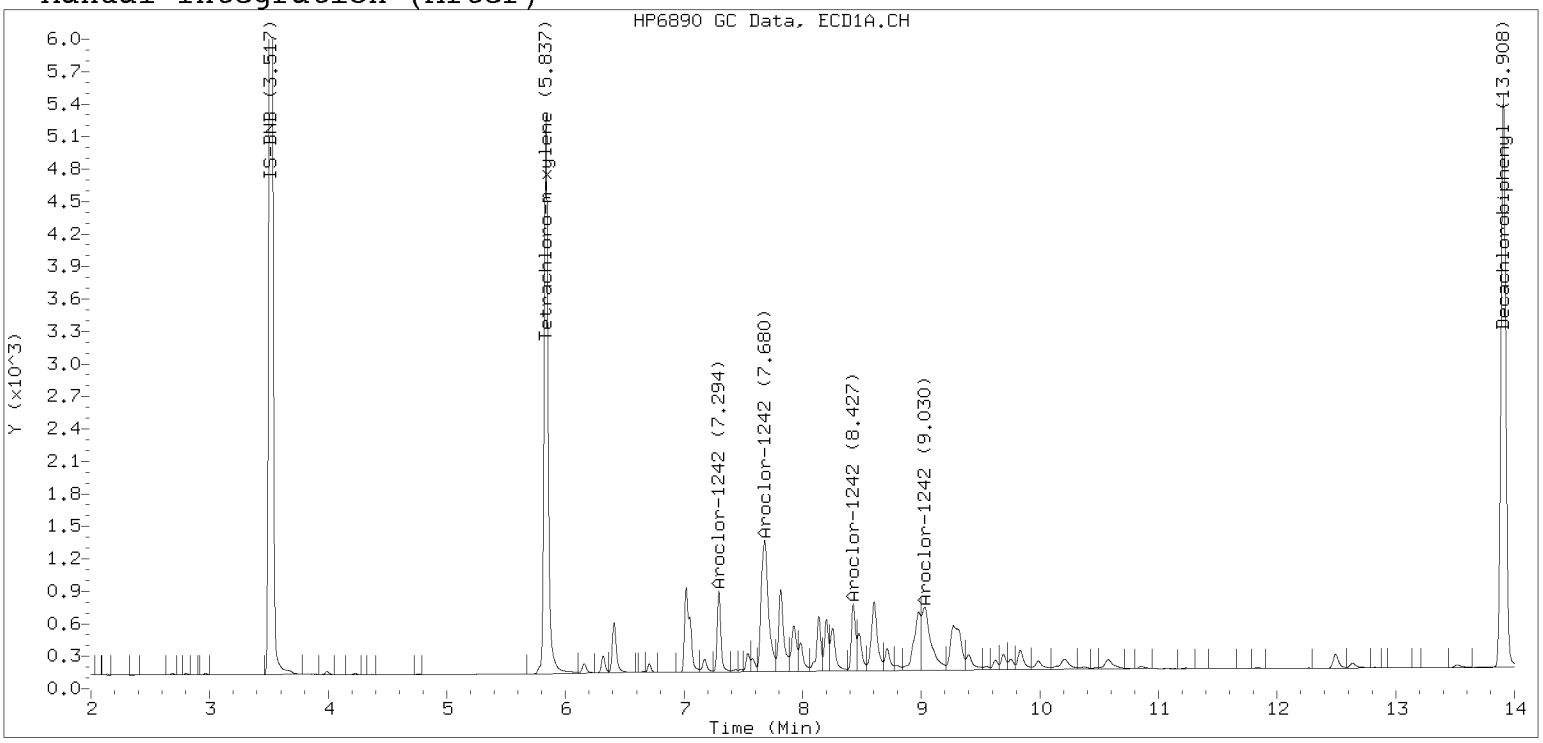


ZB-35 Manual Integration: YES

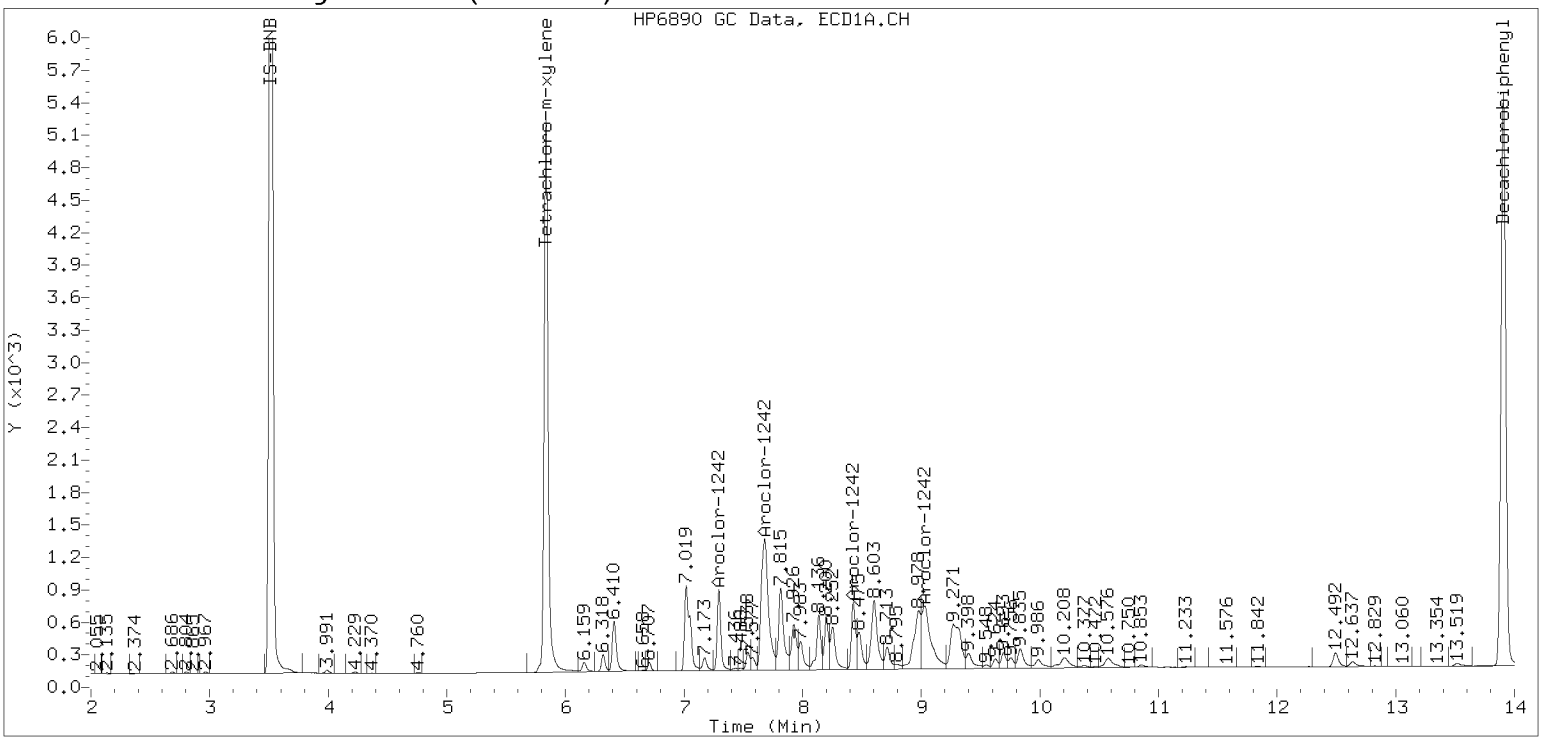
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221203.b/12032217ECD7.D Injection Date: 03-DEC-2022 20:26

Manual Integration (After)



Processed Integration (Before)



Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032218ECD7.D
Data file 2: /221203.b/221203.b/12032218ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248
Client ID:
Injection Date: 03-DEC-2022 20:48
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.001	231737	5.713	-0.000	124430	36.1	35.8	0.8	Tetrachloro-m-xylene
13.907	-0.001	296478	14.137	0.000	215774	38.9	38.1	1.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	453370	1.3
Hexabromobiphenyl	798898	832030	4.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	253684	1.8
Hexabromobiphenyl	362541	398468	9.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.427	0.000	48733	250.0	1	8.326	0.000	25909	250.0
Aroclor-1248	2	8.603	0.000	62221	250.0	2	8.733	0.000	27250	250.0
Aroclor-1248	3	9.023	0.000	111933	250.0	3	9.177	0.000	33147	250.0
Aroclor-1248	4	9.315	0.000	54837	250.0	4	9.602	0.000	38911	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):				250.0 RPD = 0
Corrected Ave (3 peaks):					250.0	Corrected Ave (3 peaks):				250.0 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 964384 Col1 Total PCB = 0.2 ppm*

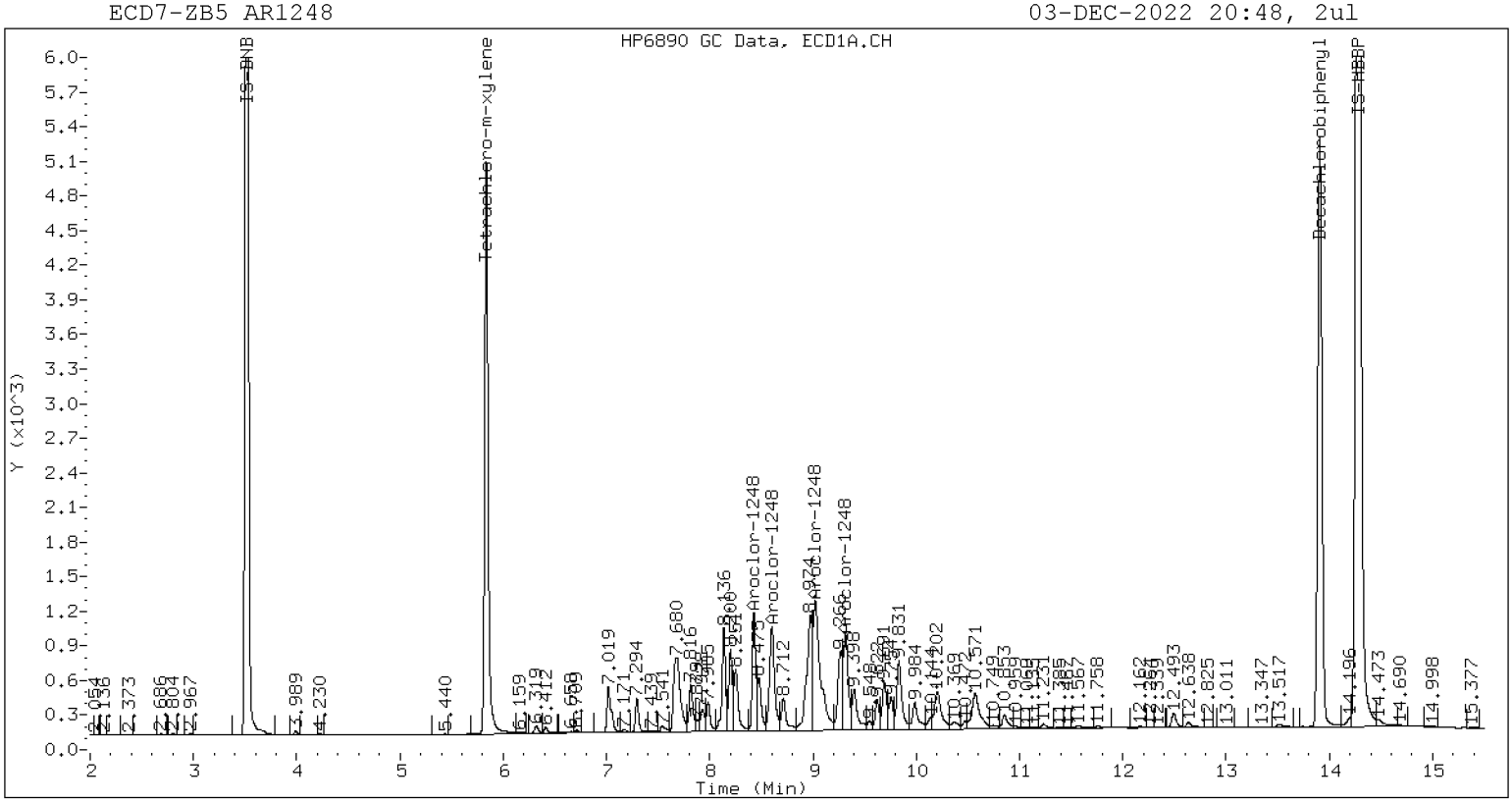
Total PCB Area Col2 (5.936 - 13.808) = 514558 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

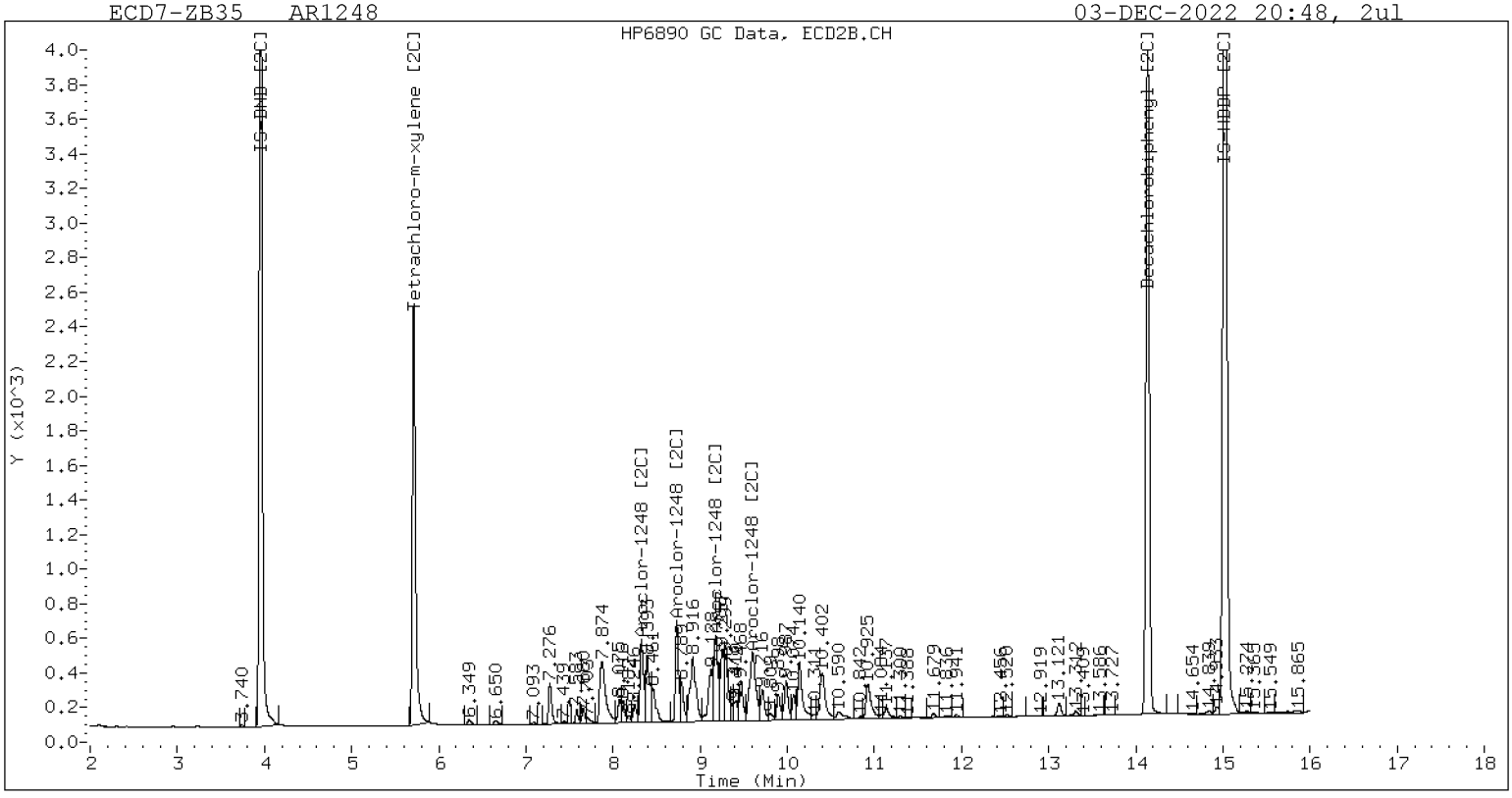
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248 03-DEC-2022 20:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248 03-DEC-2022 20:48, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032219ECD7.D
Data file 2: /221203.b/221203.b/12032219ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254
Client ID:
Injection Date: 03-DEC-2022 21:09
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	235742	5.713	-0.000	129532	36.3	36.8	1.4	Tetrachloro-m-xylene
13.908	-0.000	304424	14.136	-0.001	220843	39.5	38.4	2.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	458200	2.4
Hexabromobiphenyl	798898	841638	5.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	256547	3.0
Hexabromobiphenyl	362541	405063	11.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.319	0.000	100858	250.0	1	9.467	0.000	41352	250.0
Aroclor-1254	2	9.397	0.000	39224	250.0	2	9.987	0.000	33246	250.0
Aroclor-1254	3	9.688	0.000	63702	250.0	3	10.139	0.000	71462	250.0
Aroclor-1254	4	9.828	0.000	124170	250.0	4	10.389	0.000	74009	250.0
Aroclor-1254	5	10.194	0.000	85117	250.0	5	10.586	0.000	35695	250.0

Total Col1Ave (5 peaks): 250.0 Total Col2Ave (5 peaks): 250.0 RPD = 0

Corrected Ave (4 peaks): 250.0 Corrected Ave (4 peaks): 250.0 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 1310899 Col1 Total PCB = 0.2 ppm*

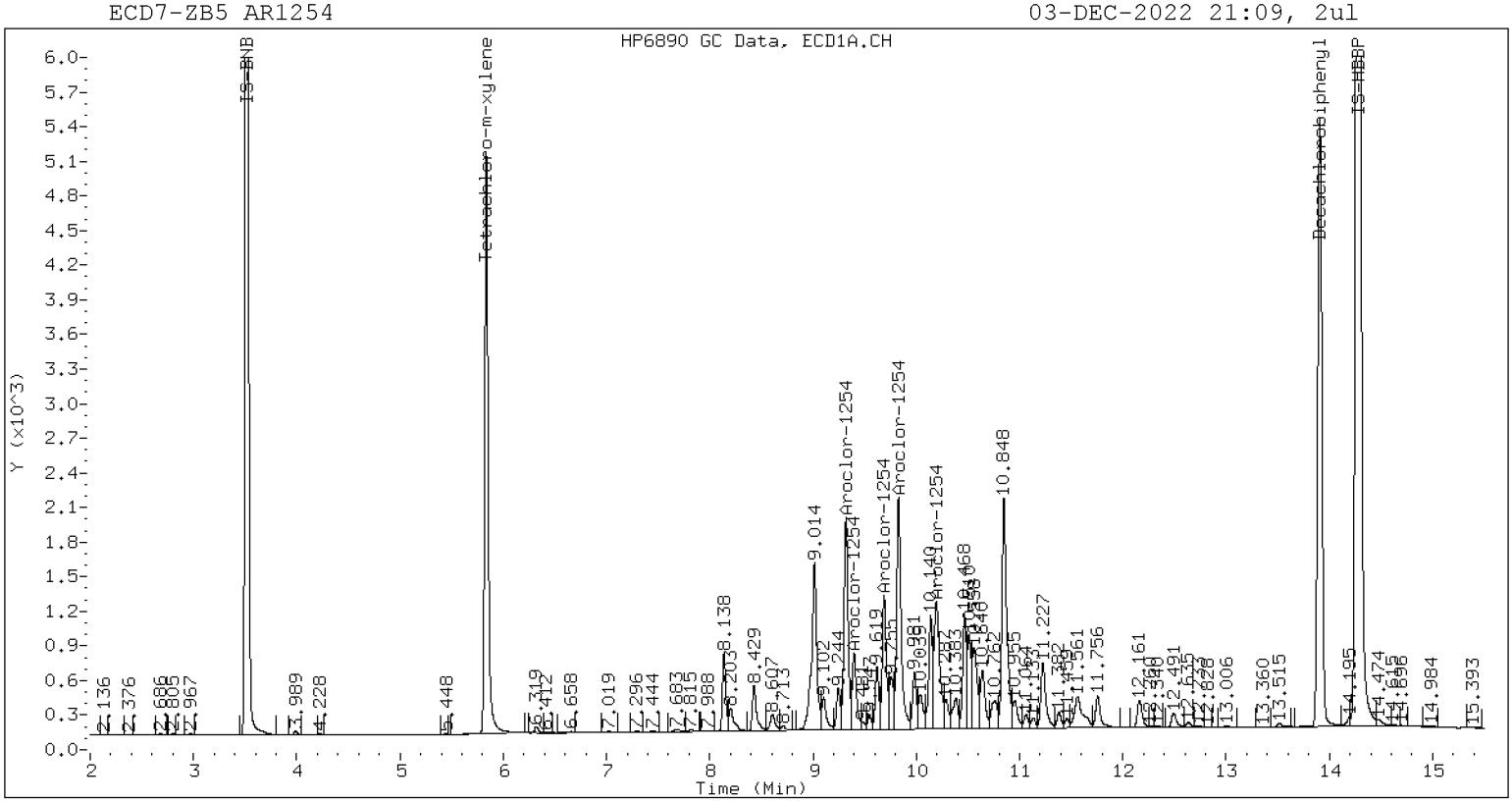
Total PCB Area Col2 (5.936 - 13.808) = 697760 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

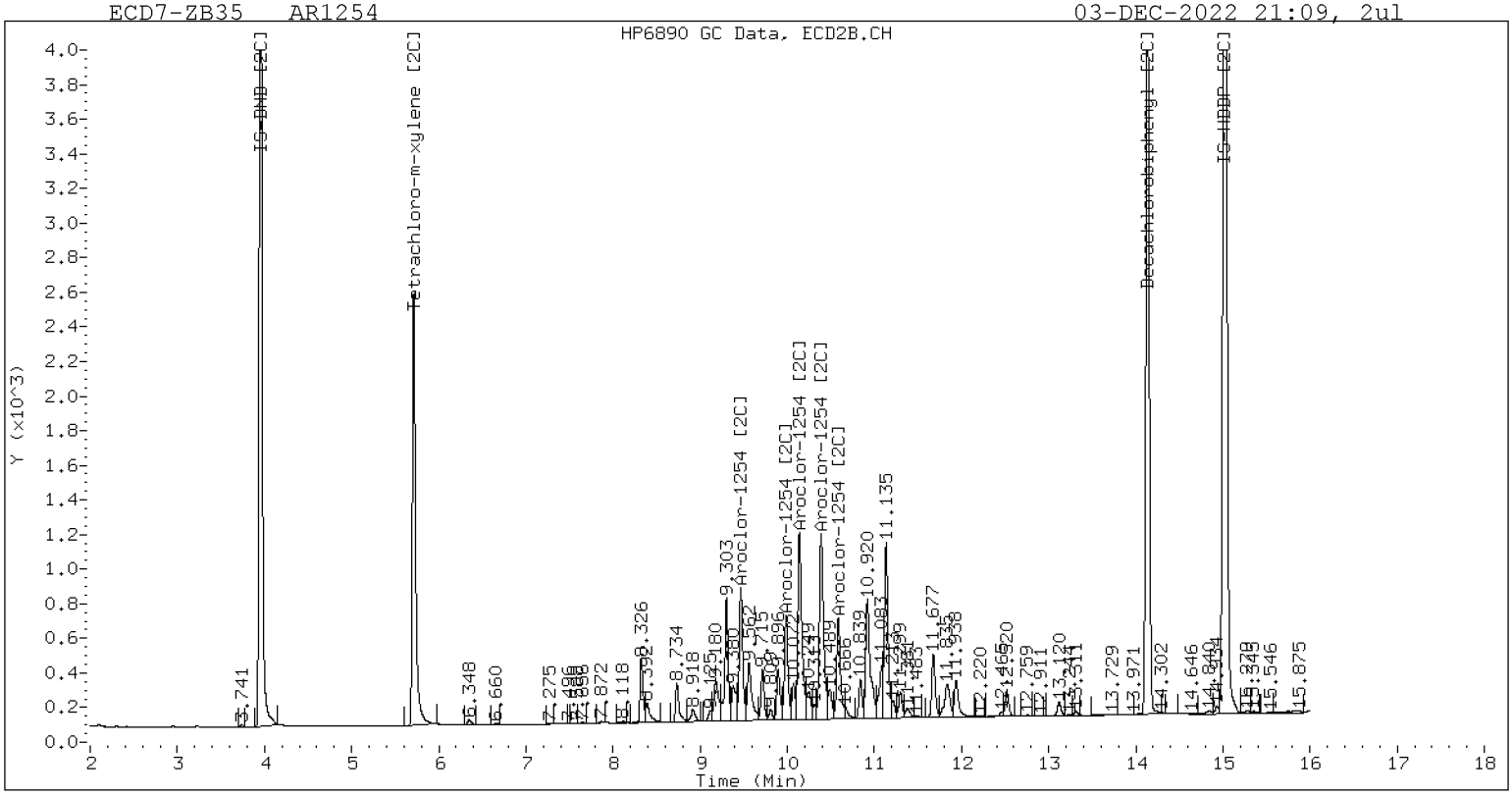
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254 03-DEC-2022 21:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254 03-DEC-2022 21:09, 2ul



ZB-35 Manual Integration: YES

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032220ECD7.D
Data file 2: /221203.b/221203.b/12032220ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR2162.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR2162
Client ID:
Injection Date: 03-DEC-2022 21:30
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	241351	5.713	-0.001	129143	36.5	36.2	0.7	Tetrachloro-m-xylene
13.908	0.000	313862	14.136	-0.001	226219	40.2	38.7	4.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	466944	4.3
Hexabromobiphenyl	798898	850987	6.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	260026	4.4
Hexabromobiphenyl	362541	412003	13.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1221	1	4.760	0.000	9650	250.0	1	4.987	0.000	5486	250.0
Aroclor-1221	2	6.159	0.000	17000	250.0	2	6.322	0.000	10456	250.0
Aroclor-1221	3	6.409	0.000	39219	250.0	3	6.645	0.000	17596	250.0
Total Col1Ave (3 peaks):					250.0	Total Col2Ave (3 peaks):				250.0 RPD = 0
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1262	1	10.848	0.000	71145	250.0	1	11.217	0.000	78317	250.0
Aroclor-1262	2	12.263	0.000	110609	250.0	2	11.670	0.000	67831	250.0
Aroclor-1262	3	12.337	0.000	118127	250.0	3	12.451	0.000	74822	250.0
Aroclor-1262	4	13.005	0.000	94805	250.0	4	12.519	0.000	117202	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):				250.0 RPD = 0
Corrected Ave (3 peaks):					250.0	Corrected Ave (3 peaks):				250.0 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 1878739 Col1 Total PCB = 0.3 ppm*

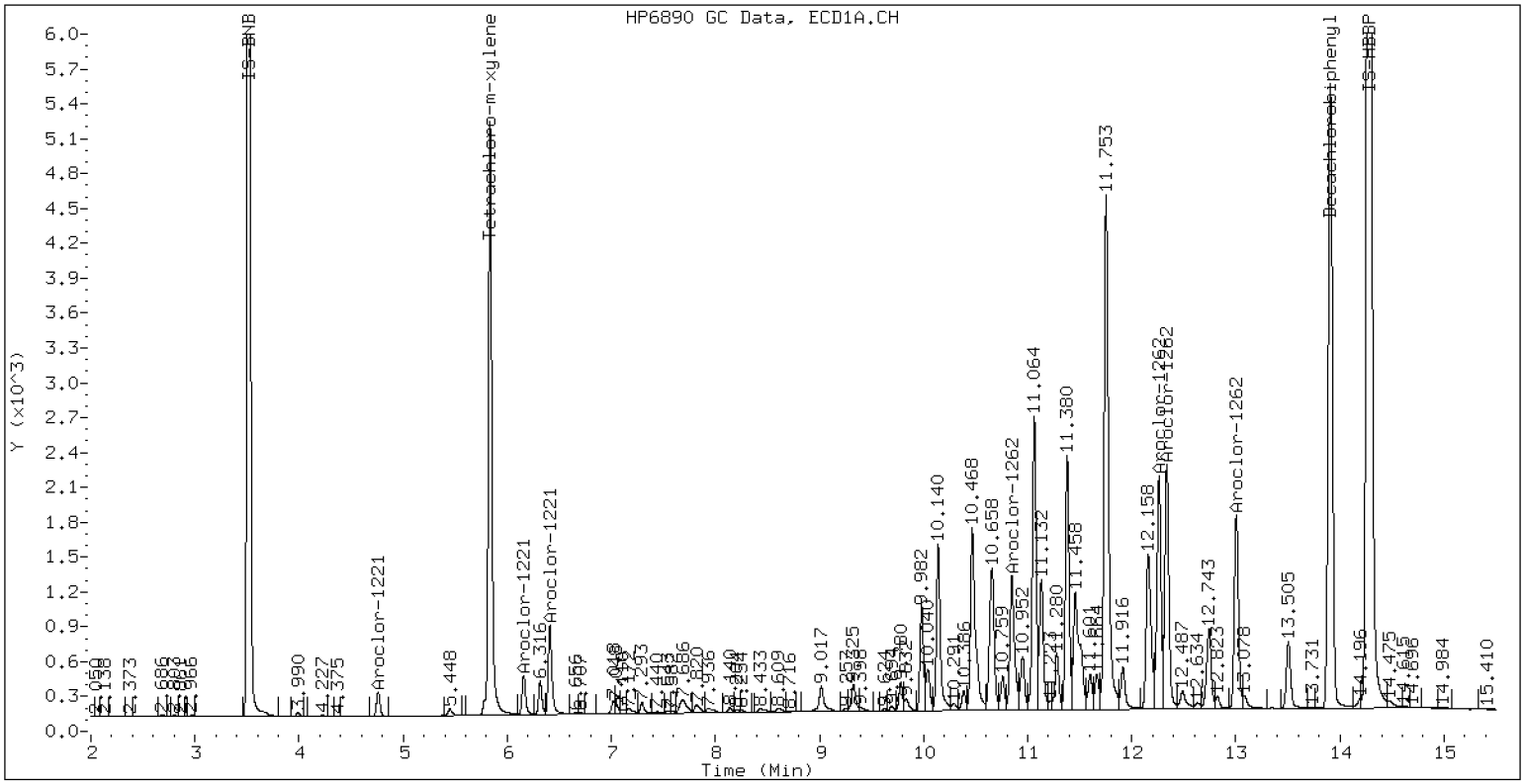
Total PCB Area Col2 (5.936 - 13.808) = 1073324 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

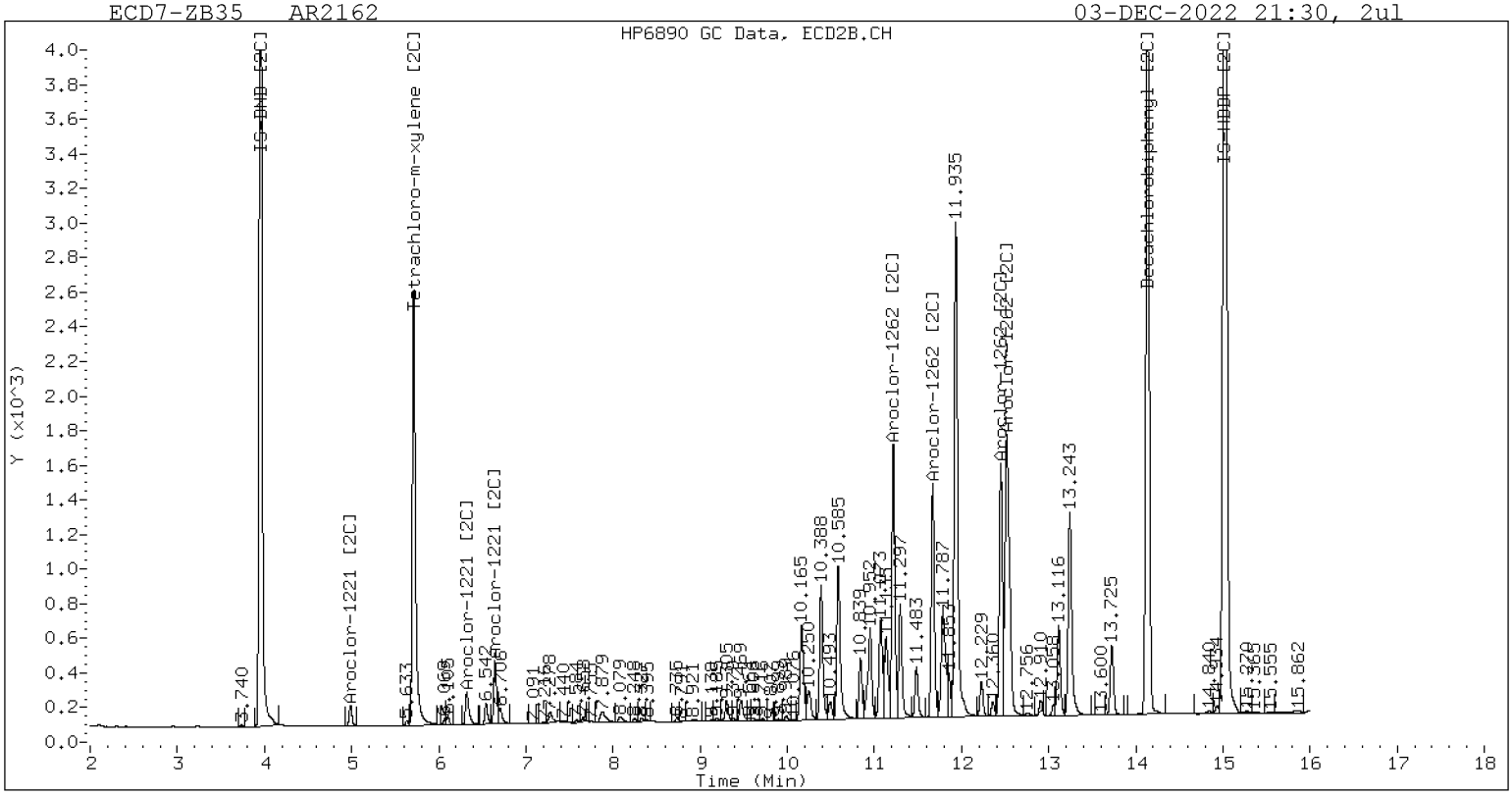
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162 03-DEC-2022 21:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162 03-DEC-2022 21:30, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032221ECD7.D
Data file 2: /221203.b/221203.b/12032221ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR3268.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR3268
Client ID:
Injection Date: 03-DEC-2022 21:52
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	243663	5.713	0.000	131067	37.5	37.4	0.3	Tetrachloro-m-xylene
13.908	0.000	449152	14.137	0.000	328563	57.2	55.9	2.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	458589	2.4
Hexabromobiphenyl	798898	855928	7.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	255655	2.6
Hexabromobiphenyl	362541	413793	14.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1232	1	4.761	0.000	5704	250.0	1	4.989	0.000	3108	250.0
Aroclor-1232	2	6.160	0.000	12048	250.0	2	7.277	0.000	15872	250.0
Aroclor-1232	3	7.684	0.000	54107	250.0	3	7.876	0.000	31029	250.0
Aroclor-1232	4	8.606	0.000	22956	250.0	4	8.734	0.000	8413	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):				250.0 RPD = 0
Corrected Ave (3 peaks):					250.0	Corrected Ave (3 peaks):				250.0 RPD = 0
Aroclor-1268	1	12.262	0.000	299378	250.0	1	12.450	0.000	195273	250.0
Aroclor-1268	2	12.335	0.000	292877	250.0	2	12.517	0.000	200224	250.0
Aroclor-1268	3	12.716	0.000	240046	250.0	3	12.910	0.000	74248	250.0
Aroclor-1268	4	13.505	0.000	732880	250.0	4	13.726	0.000	534323	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):				250.0 RPD = 0
Corrected Ave (3 peaks):					250.0	Corrected Ave (3 peaks):				250.0 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 2400701 Col1 Total PCB = 0.5 ppm*

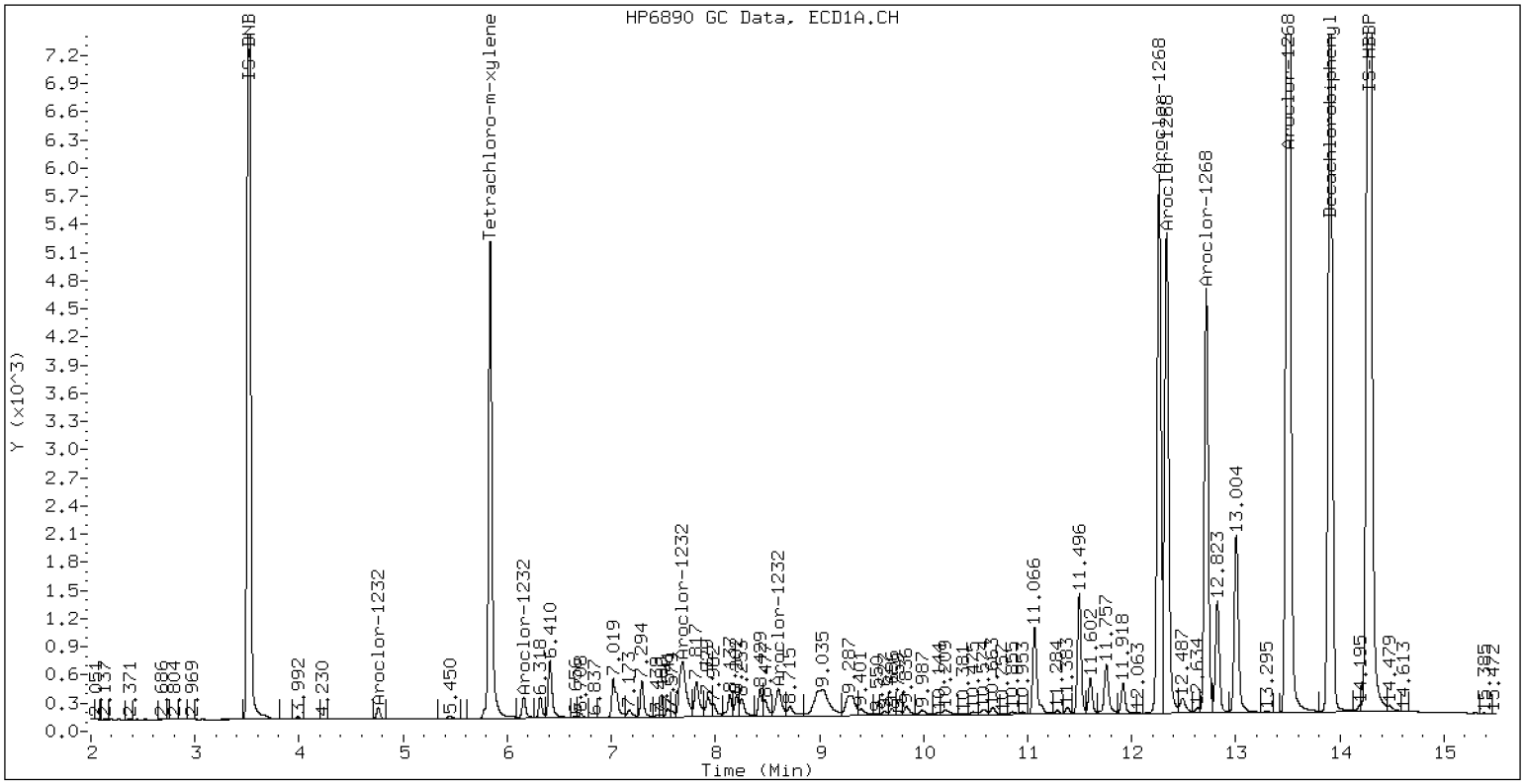
Total PCB Area Col2 (5.936 - 13.808) = 1468669 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

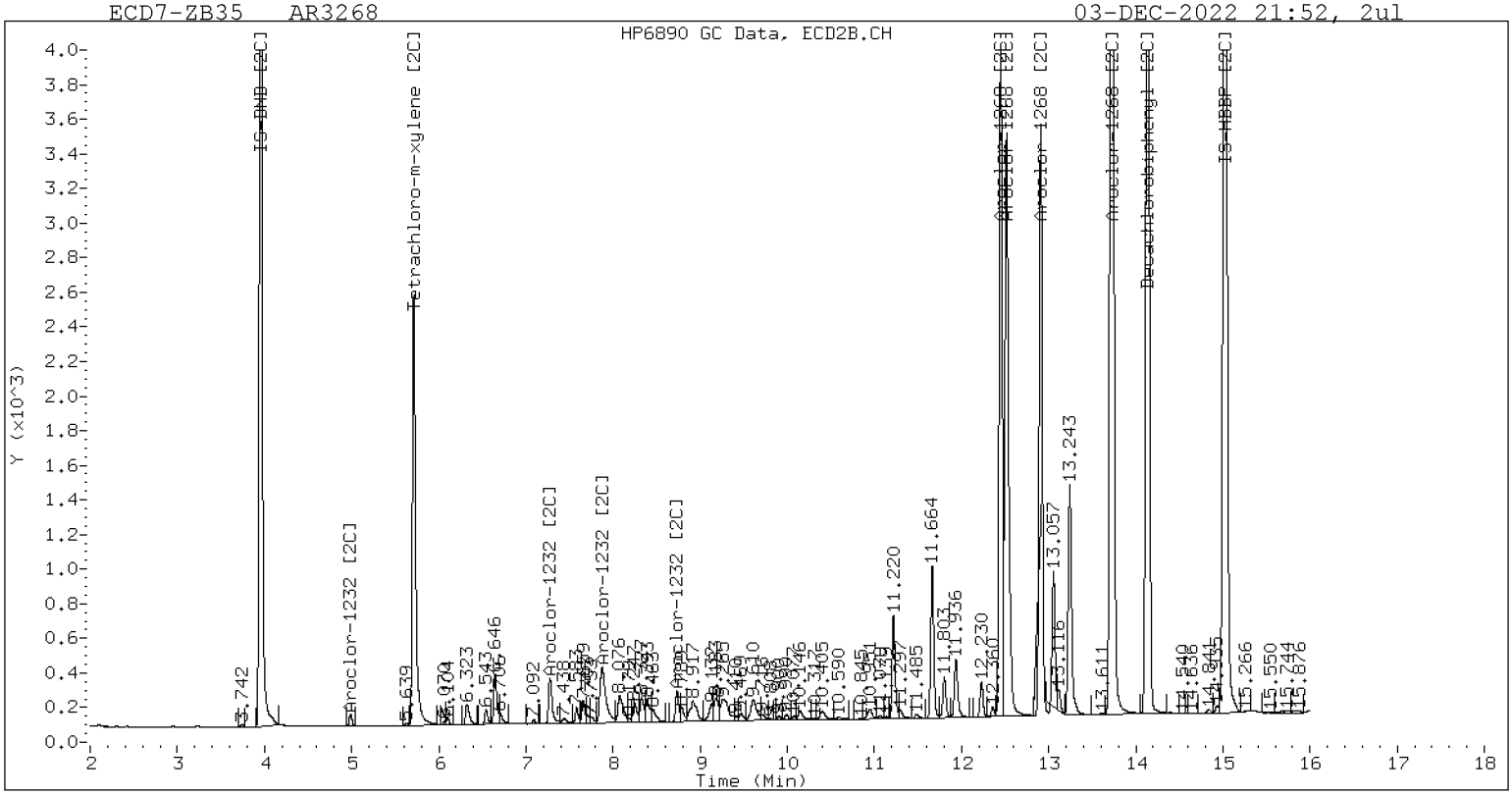
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268 03-DEC-2022 21:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268 03-DEC-2022 21:52, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D
Data file 2: /221203.b/221203.b/12032222ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660SCV1
Client ID:
Injection Date: 03-DEC-2022 22:13
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	247495	5.714	0.000	133904	36.1	36.1	0.2	Tetrachloro-m-xylene
13.909	0.001	325466	14.137	0.000	234467	39.8	38.2	4.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483506	8.0
Hexabromobiphenyl	798898	892033	11.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270882	8.7
Hexabromobiphenyl	362541	432562	19.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	0.001	36100	223.8	1	7.277	0.002	30155	217.7
Aroclor-1016	2	7.681	0.007	113995	218.9	2	7.875	0.004	64468	215.8
Aroclor-1016	3	7.815	0.004	53043	224.8	3	8.074	0.004	27130	211.5
Aroclor-1016	4	8.428	0.004	33958	225.7	4	8.245	0.004	14848	220.1
Total Col1Ave (4 peaks):					223.3	Total Col2Ave (4 peaks):				216.3 RPD = 3
Corrected Ave (3 peaks):					222.5	Corrected Ave (3 peaks):				215.0 RPD = 3
Aroclor-1260	1	11.063	0.001	93173	286.9	1	11.671	0.002	56796	248.7
Aroclor-1260	2	11.380	0.003	95530	284.5	2	11.935	0.002	153247	267.5
Aroclor-1260	3	11.754	0.004	250548	283.9	3	12.452	0.001	41316	270.8
Aroclor-1260	4	12.159	0.005	120399	267.9	4	12.519	0.003	100704	263.7
Aroclor-1260	5	12.263	0.003	55639	302.5	NS	---			----
Total Col1Ave (5 peaks):					285.1	Total Col2Ave (4 peaks):				262.7 RPD = 8
Corrected Ave (4 peaks):					280.8	Corrected Ave (3 peaks):				260.0 RPD = 8

Total PCB Area Col1 (5.936 - 13.808) = 2318083 Col1 Total PCB = 0.4 ppm*

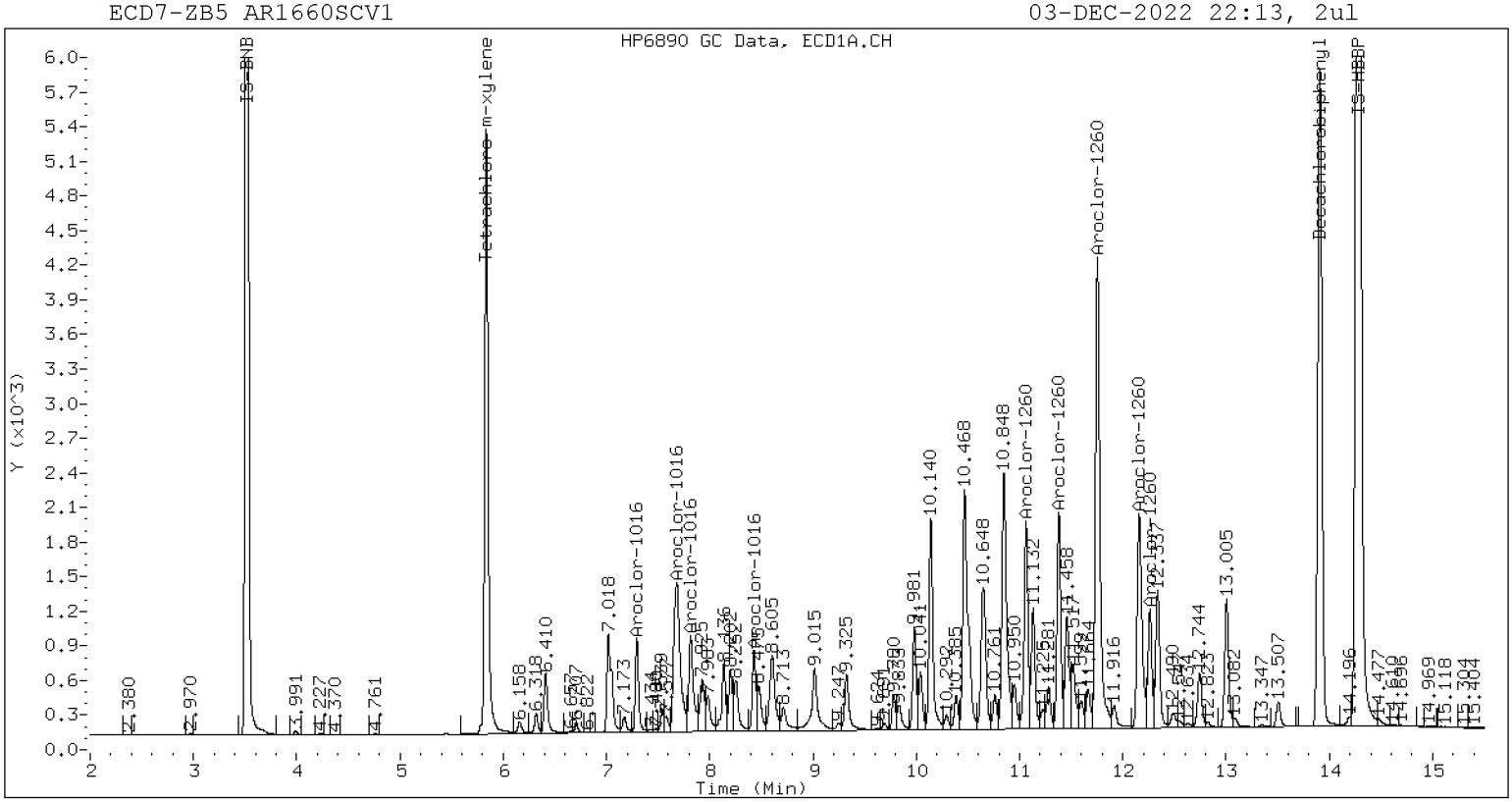
Total PCB Area Col2 (5.936 - 13.808) = 1275603 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

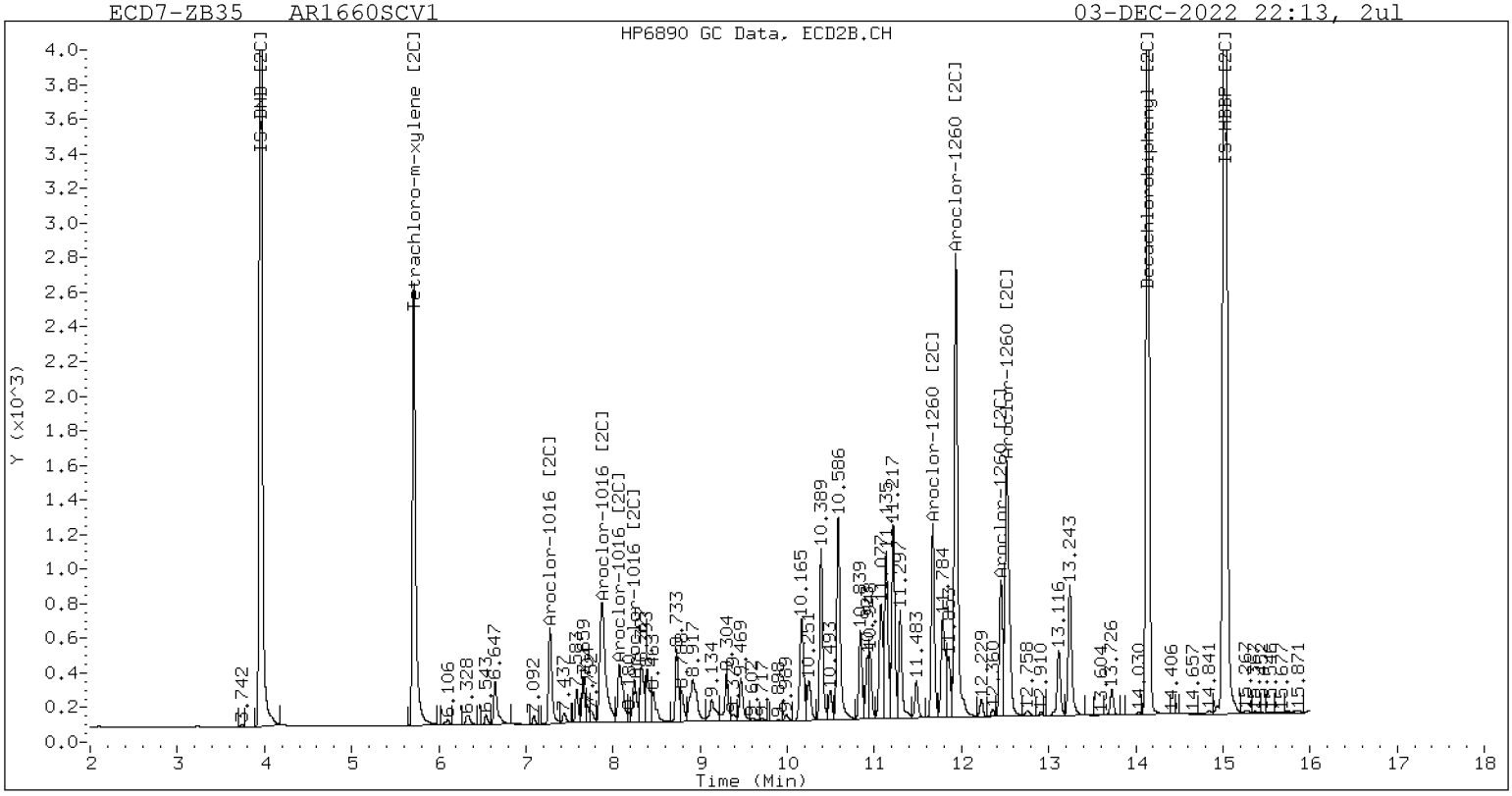
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032223ECD7.D
Data file 2: /221203.b/221203.b/12032223ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242SCV2
Client ID:
Injection Date: 03-DEC-2022 22:34
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	242356	5.713	-0.001	132586	35.6	35.8	0.7	Tetrachloro-m-xylene
13.909	0.001	321690	14.136	-0.001	228130	39.1	38.0	2.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	480791	7.4
Hexabromobiphenyl	798898	896515	12.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270117	8.4
Hexabromobiphenyl	362541	422729	16.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.294	0.000	26316	193.1	1	7.277	-0.001	23973	209.7
Aroclor-1242	2	7.677	-0.003	89703	207.3	2	7.873	-0.002	50204	206.9
Aroclor-1242	3	8.427	0.000	26786	215.2	3	9.176	-0.002	19686	251.4
Aroclor-1242	4	9.025	-0.005	54647	211.4	4	9.599	-0.006	21874	232.4
Total Col1Ave (4 peaks):					206.7	Total Col2Ave (4 peaks):				225.1 RPD = 9
Corrected Ave (3 peaks):					203.9	Corrected Ave (3 peaks):				216.3 RPD = 6

Total PCB Area Col1 (5.936 - 13.808) = 731052 Col1 Total PCB = 0.1 ppm*

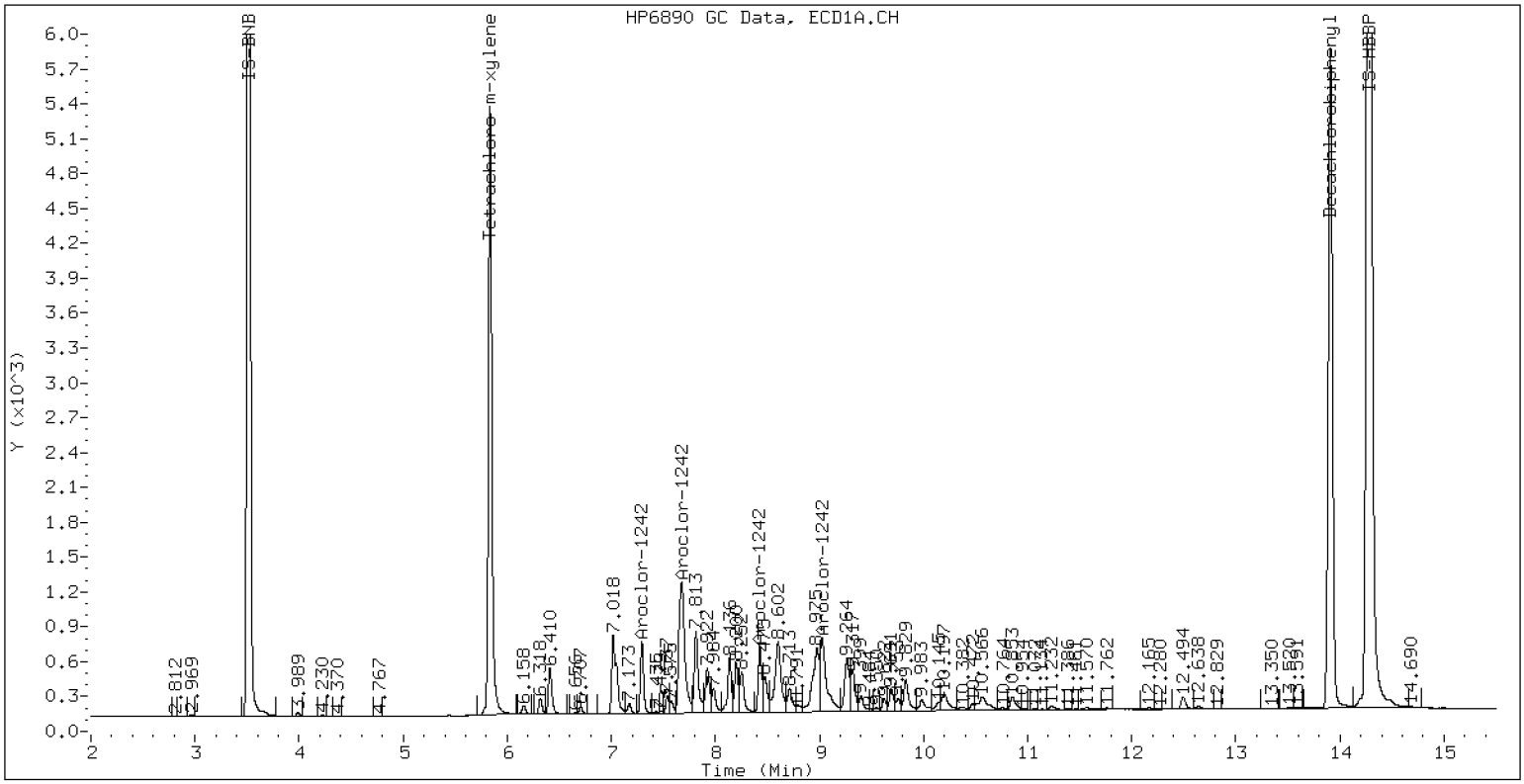
Total PCB Area Col2 (5.936 - 13.808) = 398143 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

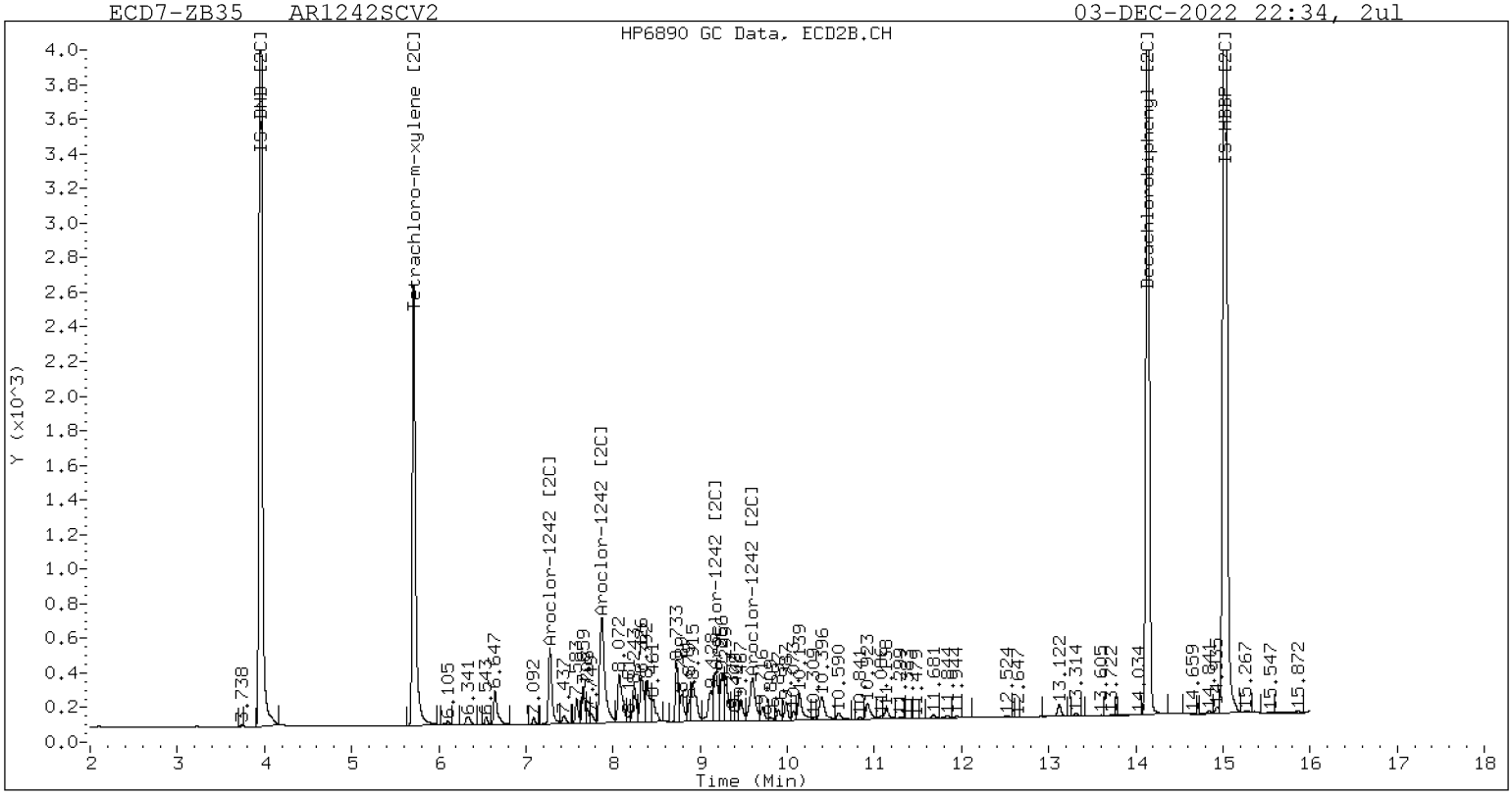
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032224ECD7.D
Data file 2: /221203.b/221203.b/12032224ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248SCV3
Client ID:
Injection Date: 03-DEC-2022 22:55
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	238518	5.713	-0.001	130772	34.7	35.1	1.0	Tetrachloro-m-xylene
13.909	0.001	329816	14.137	0.000	230748	39.3	38.1	3.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484977	8.3
Hexabromobiphenyl	798898	915518	14.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272055	9.2
Hexabromobiphenyl	362541	426674	17.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.427	-0.000	49184	235.9	1	8.326	0.000	25647	230.8
Aroclor-1248	2	8.604	0.002	62884	236.2	2	8.733	0.000	26944	230.5
Aroclor-1248	3	9.021	-0.002	117065	244.4	3	9.179	0.001	32692	229.9
Aroclor-1248	4	9.315	0.000	62309	265.6	4	9.604	0.002	38342	229.7
Total Col1Ave (4 peaks): 245.5						Total Col2Ave (4 peaks): 230.2			RPD = 6	
Corrected Ave (3 peaks): 238.8						Corrected Ave (3 peaks): 230.0			RPD = 4	

Total PCB Area Col1 (5.936 - 13.808) = 991353 Col1 Total PCB = 0.2 ppm*

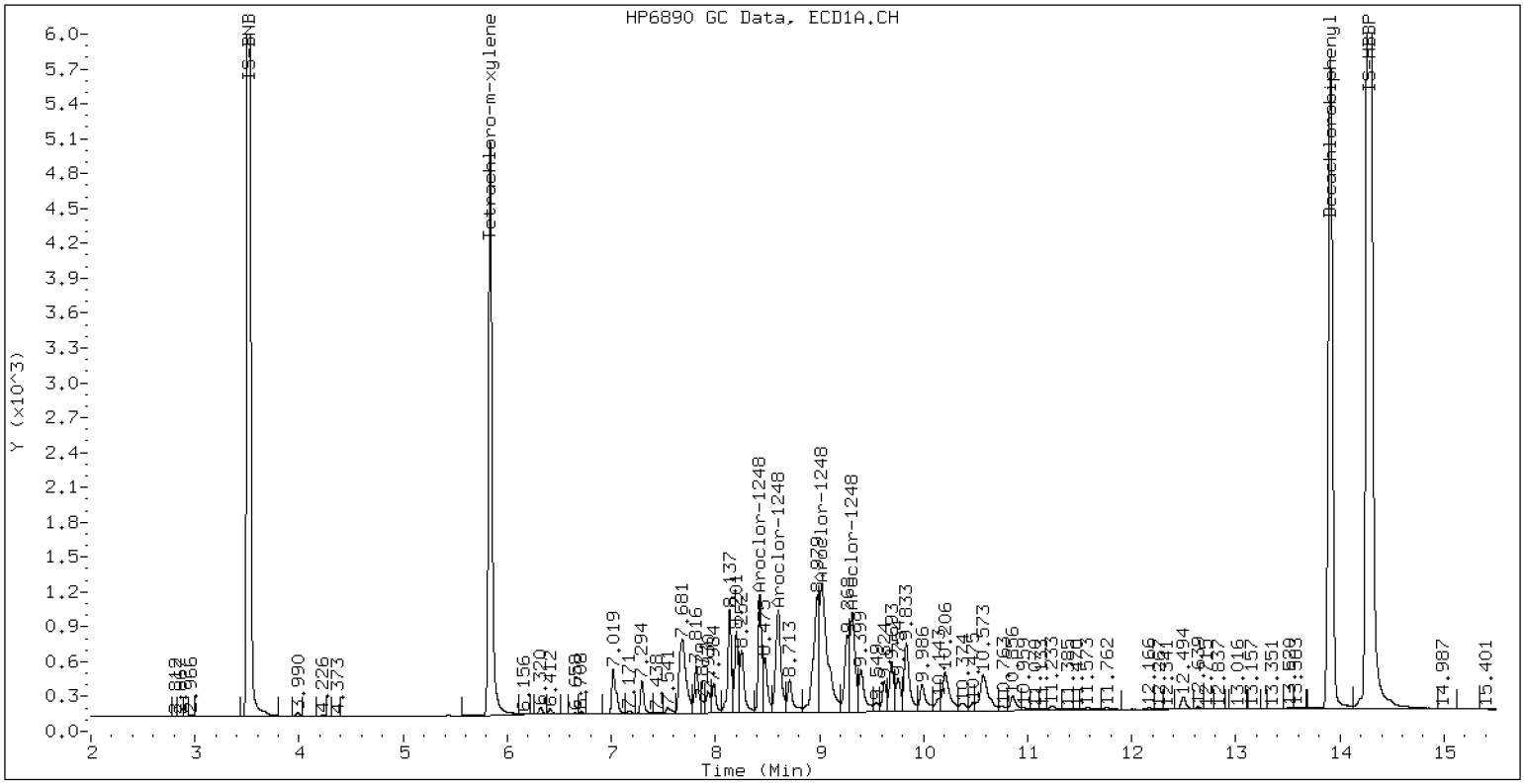
Total PCB Area Col2 (5.936 - 13.808) = 508870 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

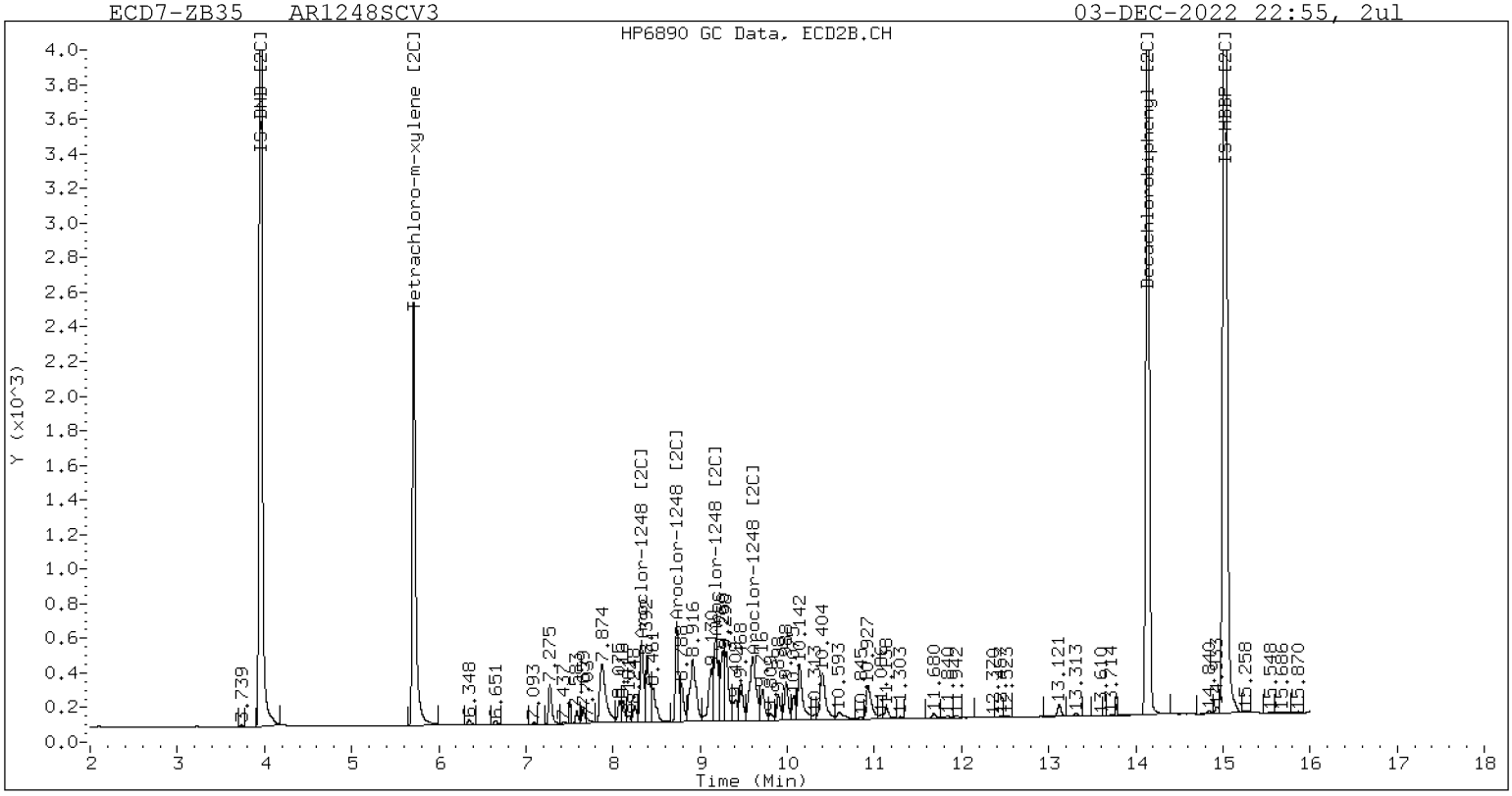
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D
Data file 2: /221203.b/221203.b/12032225ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254SCV4
Client ID:
Injection Date: 03-DEC-2022 23:17
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	243863	5.713	-0.000	133610	35.5	36.0	1.4	Tetrachloro-m-xylene
13.909	0.001	332566	14.137	-0.000	233115	39.5	38.1	3.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484642	8.3
Hexabromobiphenyl	798898	917405	14.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270782	8.7
Hexabromobiphenyl	362541	431238	18.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.321	0.003	94448	221.3	1	9.469	0.002	39410	225.7
Aroclor-1254	2	9.401	0.003	41171	248.1	2	9.989	0.002	31415	223.8
Aroclor-1254	3	9.692	0.004	60946	226.1	3	10.143	0.004	66244	219.6
Aroclor-1254	4	9.832	0.004	116490	221.7	4	10.392	0.003	70095	224.3
Aroclor-1254	5	10.199	0.005	80050	222.3	5	10.588	0.002	39206	260.2

Total Col1Ave (5 peaks): 227.9 Total Col2Ave (5 peaks): 230.7 RPD = 1

Corrected Ave (4 peaks): 222.9 Corrected Ave (4 peaks): 223.4 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 1261470 Col1 Total PCB = 0.2 ppm*

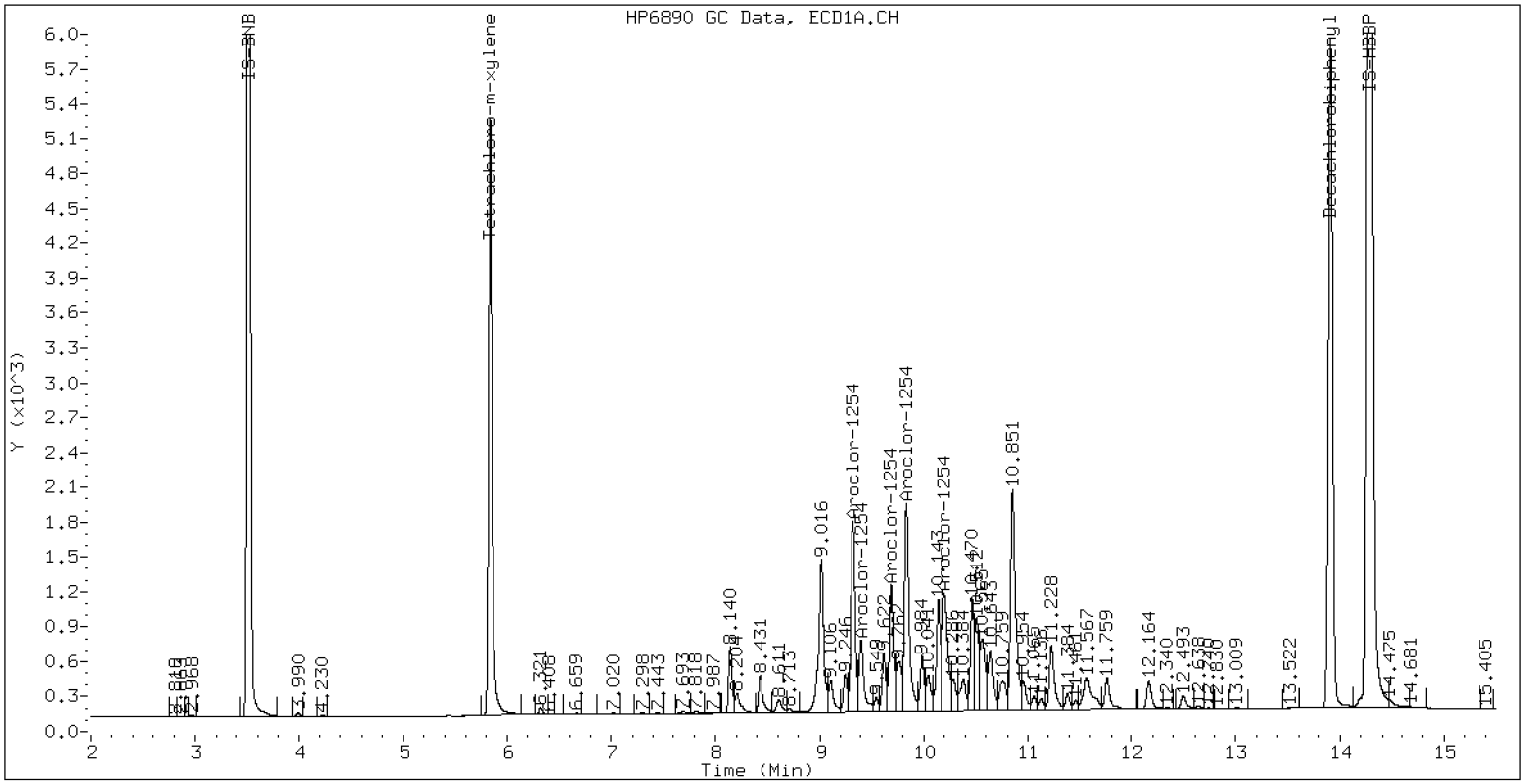
Total PCB Area Col2 (5.936 - 13.808) = 664781 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

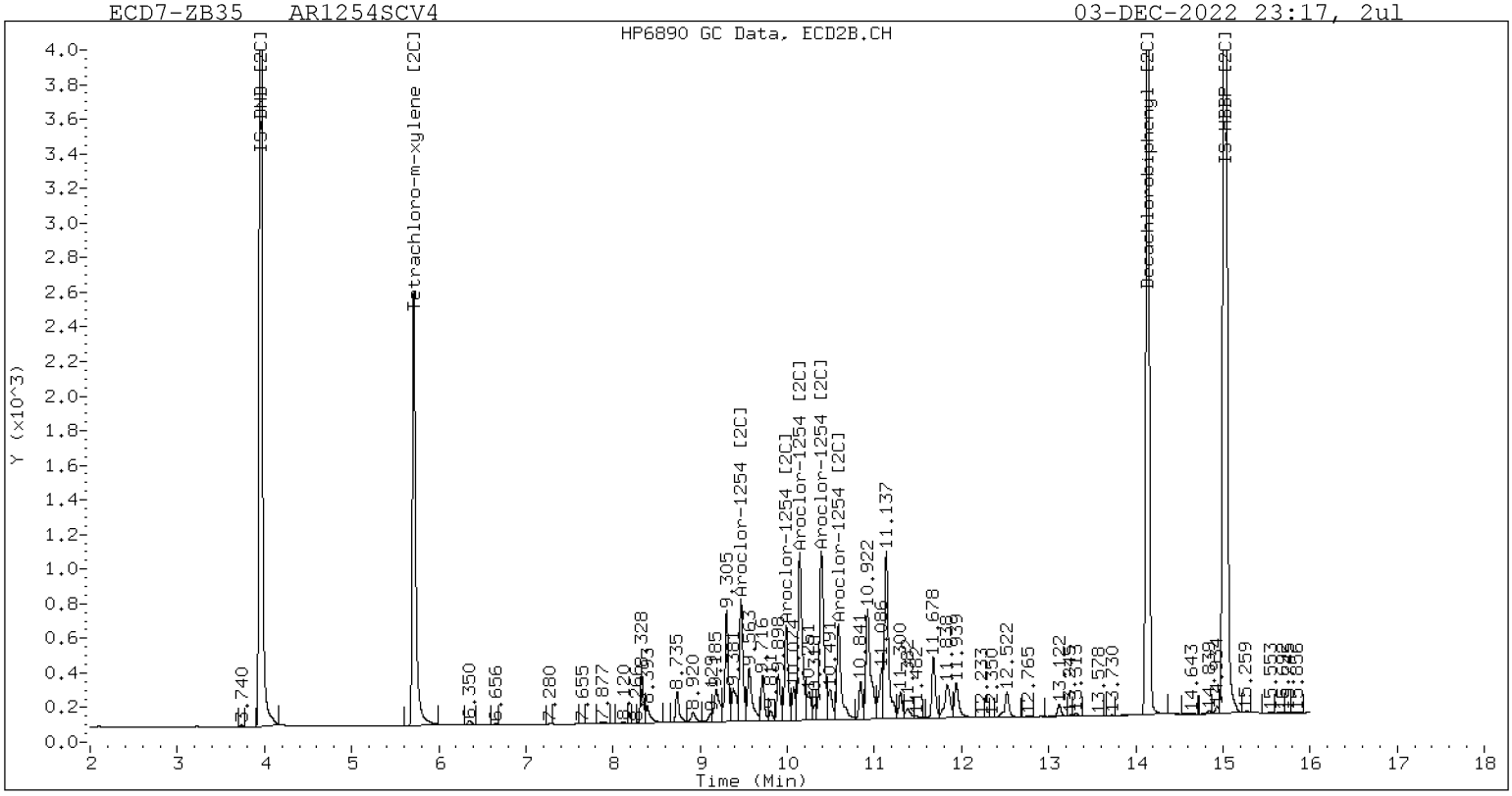
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032226ECD7.D
Data file 2: /221203.b/221203.b/12032226ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR2162.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR2162SCV5
Client ID:
Injection Date: 03-DEC-2022 23:38
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	246394	5.713	-0.000	131378	36.1	35.7	1.1	Tetrachloro-m-xylene
13.908	-0.001	334929	14.136	-0.001	237241	40.0	38.4	4.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	482097	7.7
Hexabromobiphenyl	798898	913775	14.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	268757	7.9
Hexabromobiphenyl	362541	434790	19.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1221	1	4.761	0.001	9579	240.4	1	4.988	0.001	5527	243.7
Aroclor-1221	2	6.159	0.001	16402	233.6	2	6.323	0.001	10041	232.3
Aroclor-1221	3	6.410	0.001	38315	236.6	3	6.646	0.001	16814	231.1
Total Col1Ave (3 peaks):					236.8	Total Col2Ave (3 peaks):				235.7 RPD = 0
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1262	1	10.845	-0.003	145305	475.5	1	11.216	-0.001	152840	462.3
Aroclor-1262	2	12.261	-0.001	222795	469.0	2	11.668	-0.002	131097	457.9
Aroclor-1262	3	12.336	-0.001	238475	470.0	3	12.449	-0.002	148386	469.8
Aroclor-1262	4	13.004	-0.001	188009	461.7	4	12.518	-0.001	231081	467.1
Total Col1Ave (4 peaks):					469.1	Total Col2Ave (4 peaks):				464.3 RPD = 1
Corrected Ave (3 peaks):					466.9	Corrected Ave (3 peaks):				462.4 RPD = 1

Total PCB Area Col1 (5.936 - 13.808) = 3654831 Col1 Total PCB = 0.7 ppm*

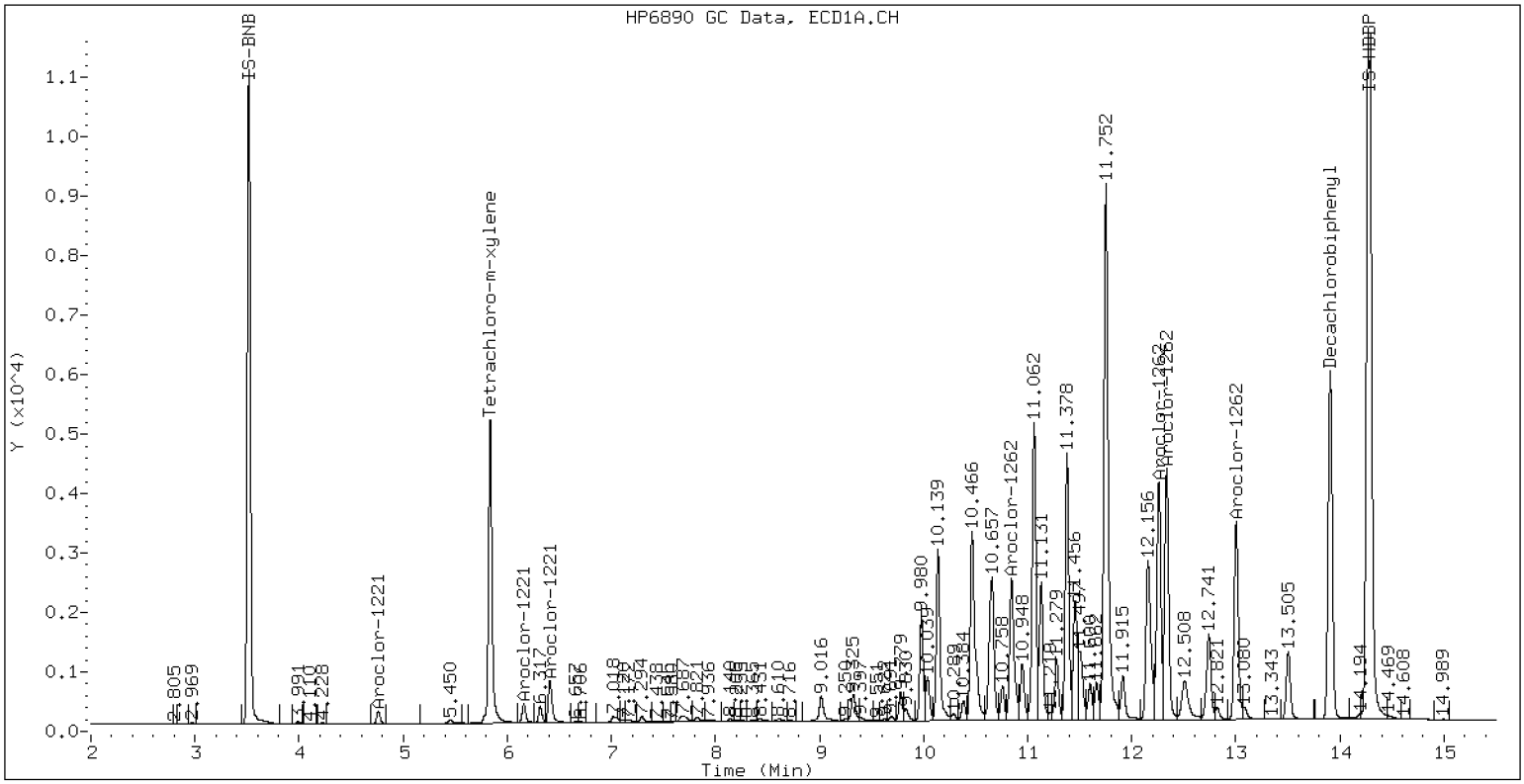
Total PCB Area Col2 (5.936 - 13.808) = 2063978 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

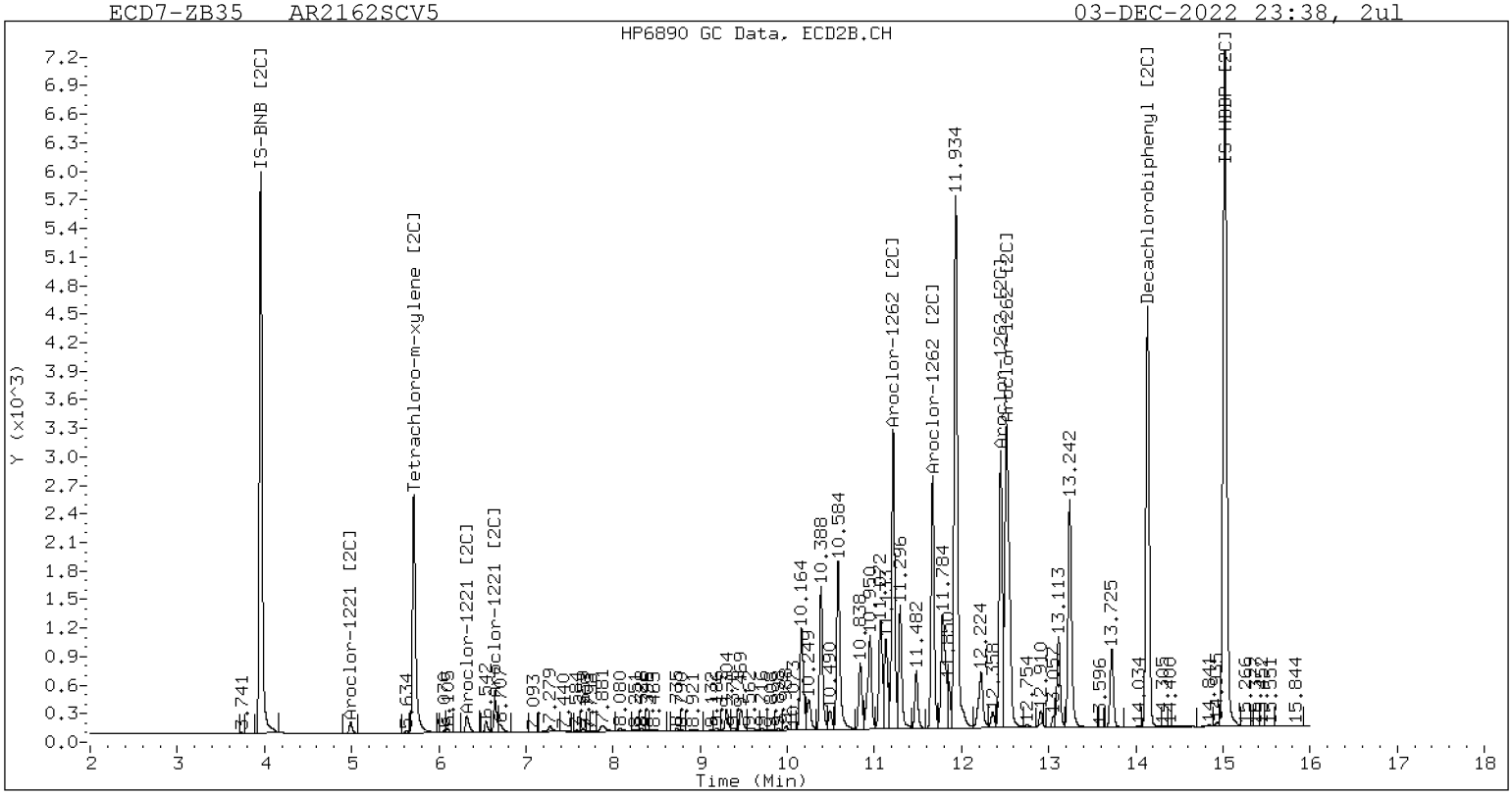
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032227ECD7.D
Data file 2: /221203.b/221203.b/12032227ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR3268.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR3268SCV6
Client ID:
Injection Date: 03-DEC-2022 23:59
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	236120	5.711	-0.002	126782	34.5	34.2	0.7	Tetrachloro-m-xylene
13.907	-0.002	474236	14.136	-0.001	339687	56.2	54.9	2.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483276	8.0
Hexabromobiphenyl	798898	920878	15.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270175	8.5
Hexabromobiphenyl	362541	435731	20.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1232	1	4.758	-0.003	5334	221.8	1	4.986	-0.004	3031	230.7
Aroclor-1232	2	6.158	-0.002	9882	194.6	2	7.276	-0.001	14982	223.3
Aroclor-1232	3	7.684	0.000	51409	225.4	3	7.875	-0.001	29992	228.7
Aroclor-1232	4	8.607	0.001	21710	224.4	4	8.734	0.000	8467	238.1
Total Col1Ave (4 peaks):					216.5	Total Col2Ave (4 peaks):				230.2 RPD = 6
Corrected Ave (3 peaks):					213.6	Corrected Ave (3 peaks):				227.6 RPD = 6
Aroclor-1268	1	12.262	-0.000	296463	230.1	1	12.449	-0.000	189354	230.2
Aroclor-1268	2	12.336	0.001	294353	233.5	2	12.517	0.000	196449	232.9
Aroclor-1268	3	12.715	-0.001	238693	231.1	3	12.909	-0.001	66881	213.9
Aroclor-1268	4	13.506	0.001	725881	230.1	4	13.725	-0.001	525890	233.7
Total Col1Ave (4 peaks):					231.2	Total Col2Ave (4 peaks):				227.7 RPD = 2
Corrected Ave (3 peaks):					230.4	Corrected Ave (3 peaks):				225.7 RPD = 2

Total PCB Area Col1 (5.936 - 13.808) = 2353838 Col1 Total PCB = 0.4 ppm*

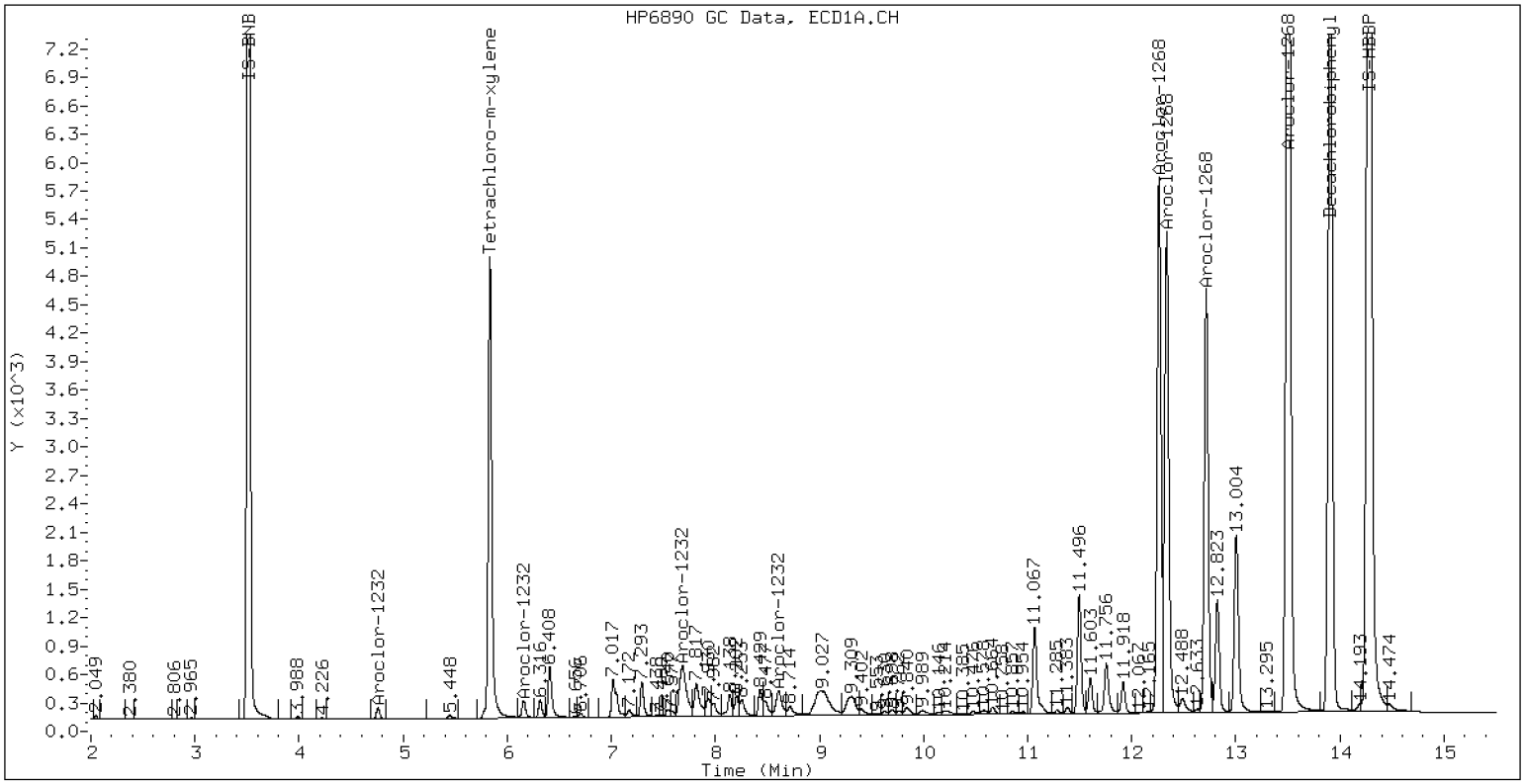
Total PCB Area Col2 (5.936 - 13.808) = 1423323 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

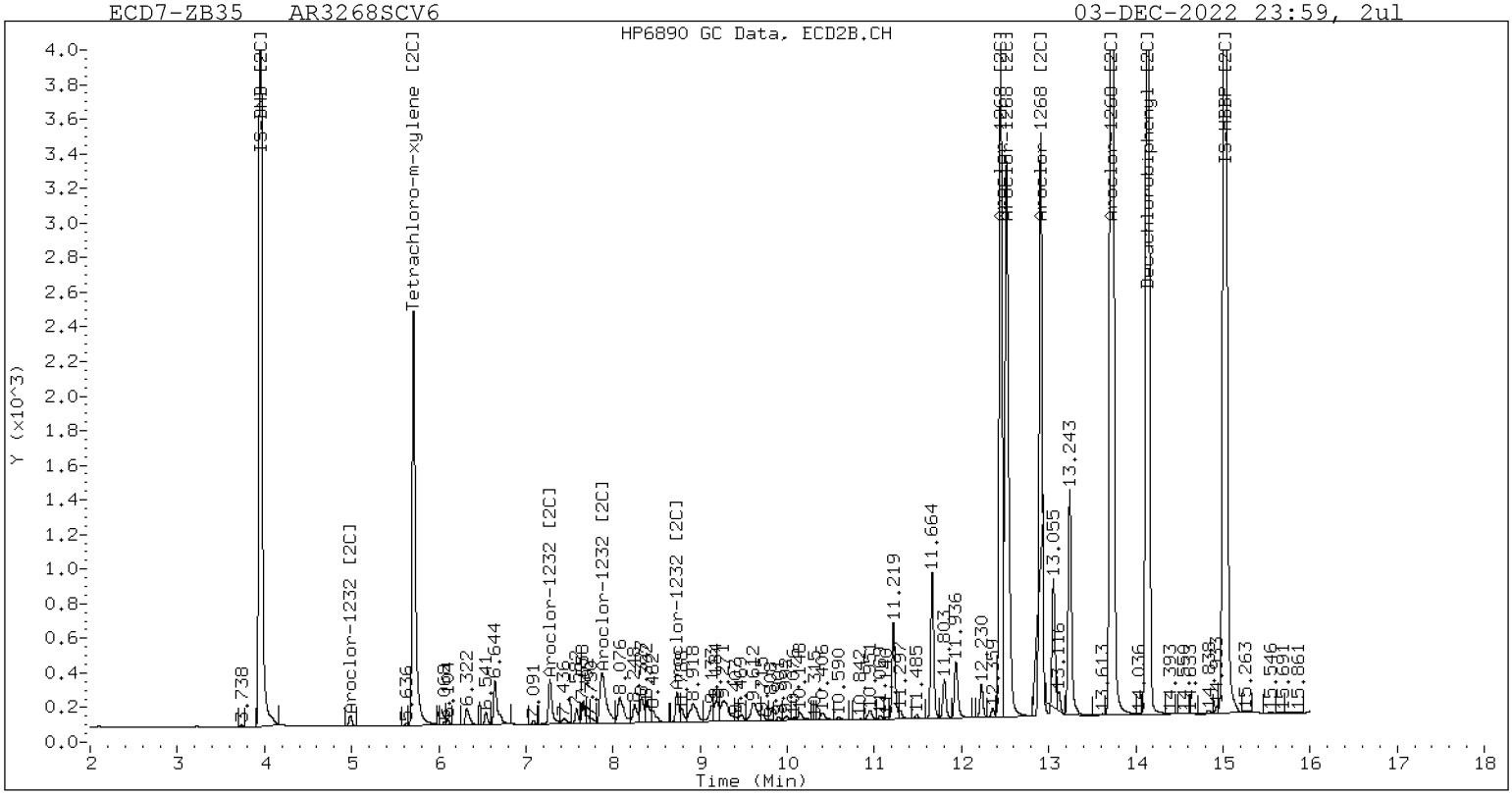
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV1
Sequence: SKL0048
Sequence Name: AR1660SCV1
Standard ID: K007655

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1016	250.00	223	-10.7	20.00
Aroclor 1016 [2C]	250.00	216	-13.5	20.00
Aroclor 1260	250.00	285	14.1	20.00
Aroclor 1260 [2C]	250.00	263	5.1	20.00
Decachlorobiphenyl	40.000	39.8	-0.5	20.00
Tetrachlorometaxylene	40.000	36.1	-9.7	20.00
Decachlorobiphenyl [2C]	40.000	38.2	-4.6	20.00
Tetrachlorometaxylene [2C]	40.000	36.1	-9.8	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D
Data file 2: /221203.b/221203.b/12032222ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660SCV1
Client ID:
Injection Date: 03-DEC-2022 22:13
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	247495	5.714	0.000	133904	36.1	36.1	0.2	Tetrachloro-m-xylene
13.909	0.001	325466	14.137	0.000	234467	39.8	38.2	4.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483506	8.0
Hexabromobiphenyl	798898	892033	11.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270882	8.7
Hexabromobiphenyl	362541	432562	19.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	0.001	36100	223.8	1	7.277	0.002	30155	217.7
Aroclor-1016	2	7.681	0.007	113995	218.9	2	7.875	0.004	64468	215.8
Aroclor-1016	3	7.815	0.004	53043	224.8	3	8.074	0.004	27130	211.5
Aroclor-1016	4	8.428	0.004	33958	225.7	4	8.245	0.004	14848	220.1
Total Col1Ave (4 peaks):					223.3	Total Col2Ave (4 peaks):				216.3 RPD = 3
Corrected Ave (3 peaks):					222.5	Corrected Ave (3 peaks):				215.0 RPD = 3
Aroclor-1260	1	11.063	0.001	93173	286.9	1	11.671	0.002	56796	248.7
Aroclor-1260	2	11.380	0.003	95530	284.5	2	11.935	0.002	153247	267.5
Aroclor-1260	3	11.754	0.004	250548	283.9	3	12.452	0.001	41316	270.8
Aroclor-1260	4	12.159	0.005	120399	267.9	4	12.519	0.003	100704	263.7
Aroclor-1260	5	12.263	0.003	55639	302.5	NS	---			----
Total Col1Ave (5 peaks):					285.1	Total Col2Ave (4 peaks):				262.7 RPD = 8
Corrected Ave (4 peaks):					280.8	Corrected Ave (3 peaks):				260.0 RPD = 8

Total PCB Area Col1 (5.936 - 13.808) = 2318083 Col1 Total PCB = 0.4 ppm*

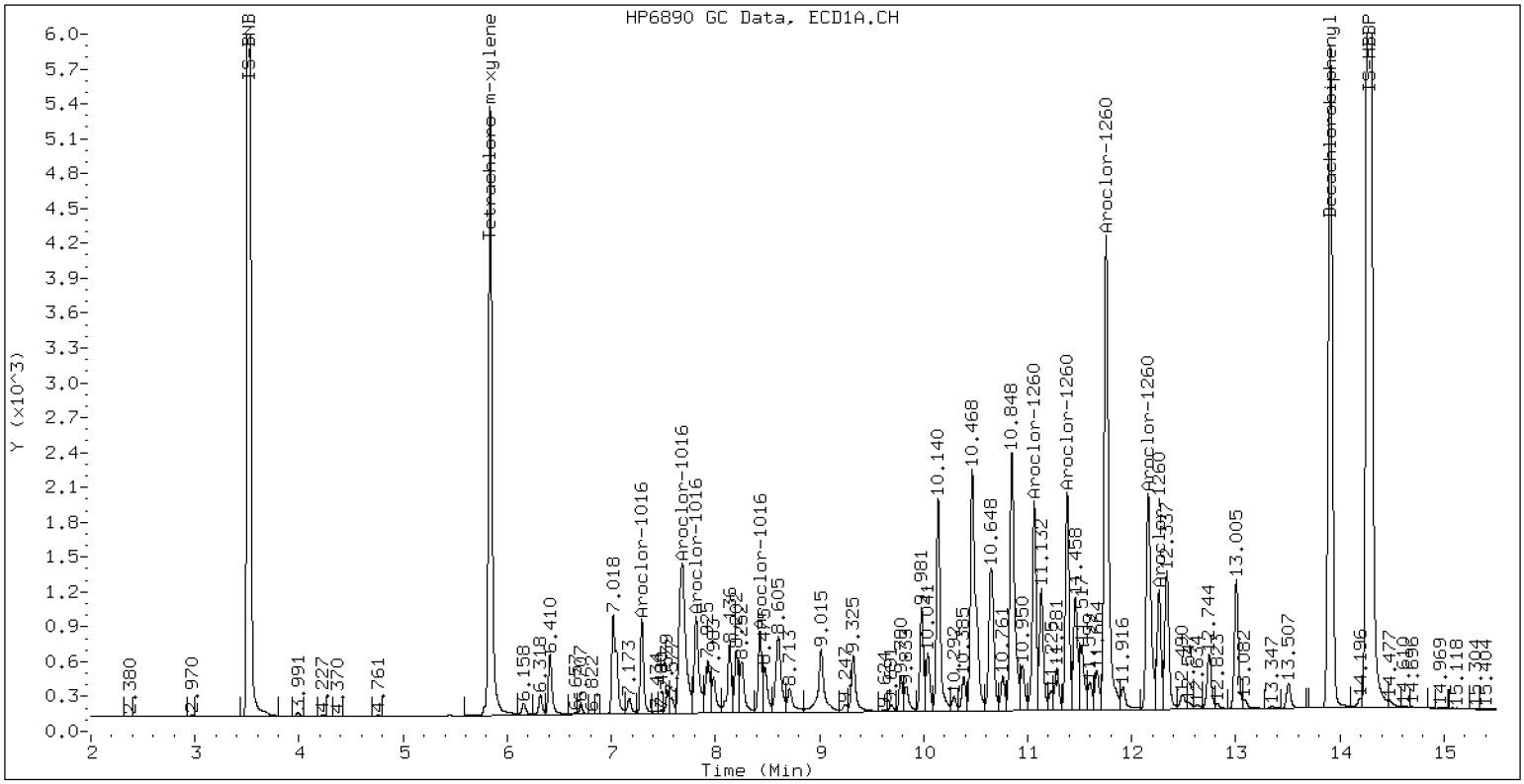
Total PCB Area Col2 (5.936 - 13.808) = 1275603 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

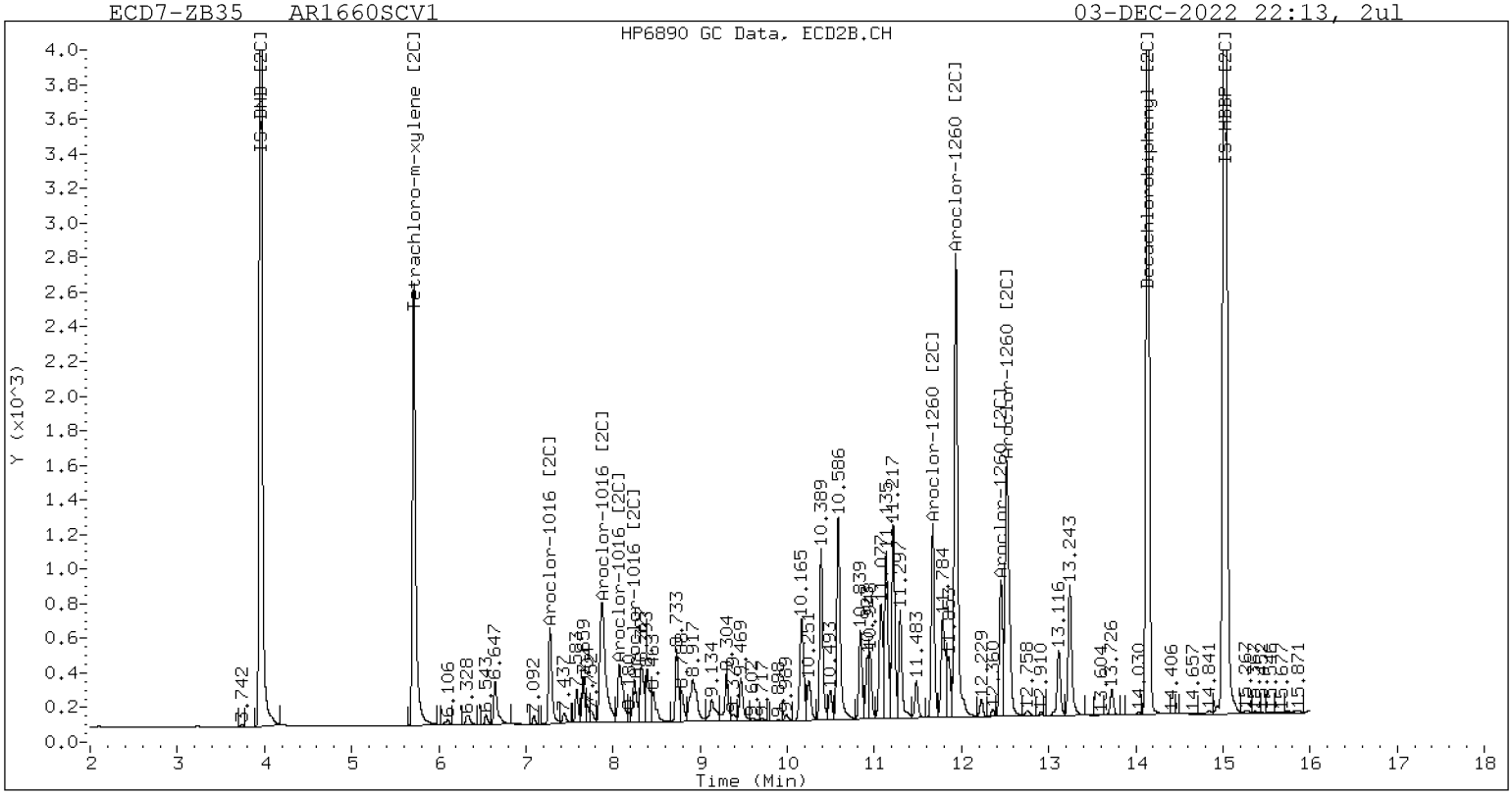
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV2
Sequence: SKL0048
Sequence Name: AR1242SCV2
Standard ID: K007656

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1242	250.00	207	-17.3	20.00
Aroclor 1242 [2C]	250.00	225	-10.0	20.00
Decachlorobiphenyl	40.000	39.1	-2.1	20.00
Tetrachlorometaxylene	40.000	35.6	-11.1	20.00
Decachlorobiphenyl [2C]	40.000	38.0	-5.0	20.00
Tetrachlorometaxylene [2C]	40.000	35.8	-10.5	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032223ECD7.D
Data file 2: /221203.b/221203.b/12032223ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242SCV2
Client ID:
Injection Date: 03-DEC-2022 22:34
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	242356	5.713	-0.001	132586	35.6	35.8	0.7	Tetrachloro-m-xylene
13.909	0.001	321690	14.136	-0.001	228130	39.1	38.0	2.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	480791	7.4
Hexabromobiphenyl	798898	896515	12.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270117	8.4
Hexabromobiphenyl	362541	422729	16.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.294	0.000	26316	193.1	1	7.277	-0.001	23973	209.7
Aroclor-1242	2	7.677	-0.003	89703	207.3	2	7.873	-0.002	50204	206.9
Aroclor-1242	3	8.427	0.000	26786	215.2	3	9.176	-0.002	19686	251.4
Aroclor-1242	4	9.025	-0.005	54647	211.4	4	9.599	-0.006	21874	232.4
Total Col1Ave (4 peaks):					206.7	Total Col2Ave (4 peaks):				225.1 RPD = 9
Corrected Ave (3 peaks):					203.9	Corrected Ave (3 peaks):				216.3 RPD = 6

Total PCB Area Col1 (5.936 - 13.808) = 731052 Col1 Total PCB = 0.1 ppm*

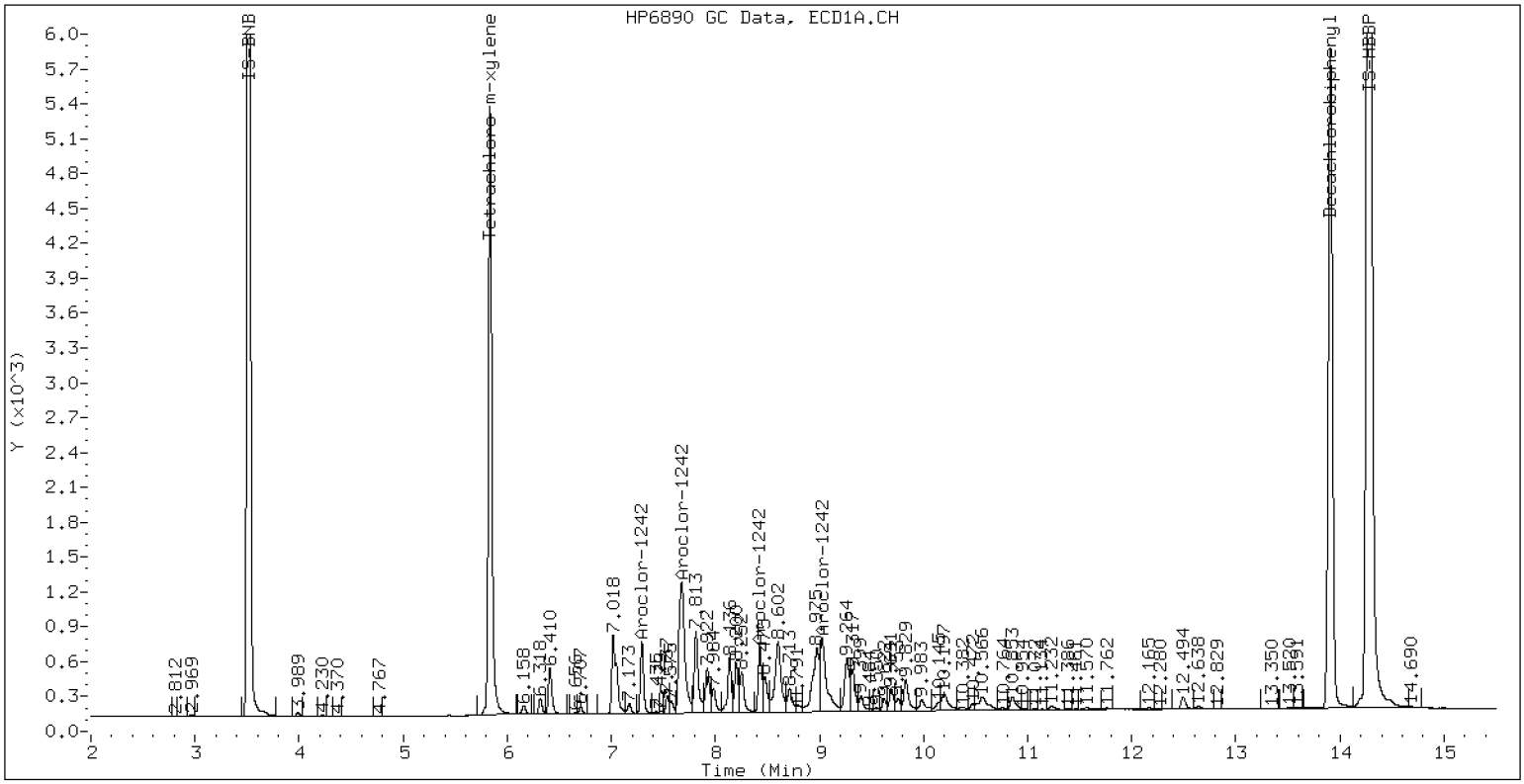
Total PCB Area Col2 (5.936 - 13.808) = 398143 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

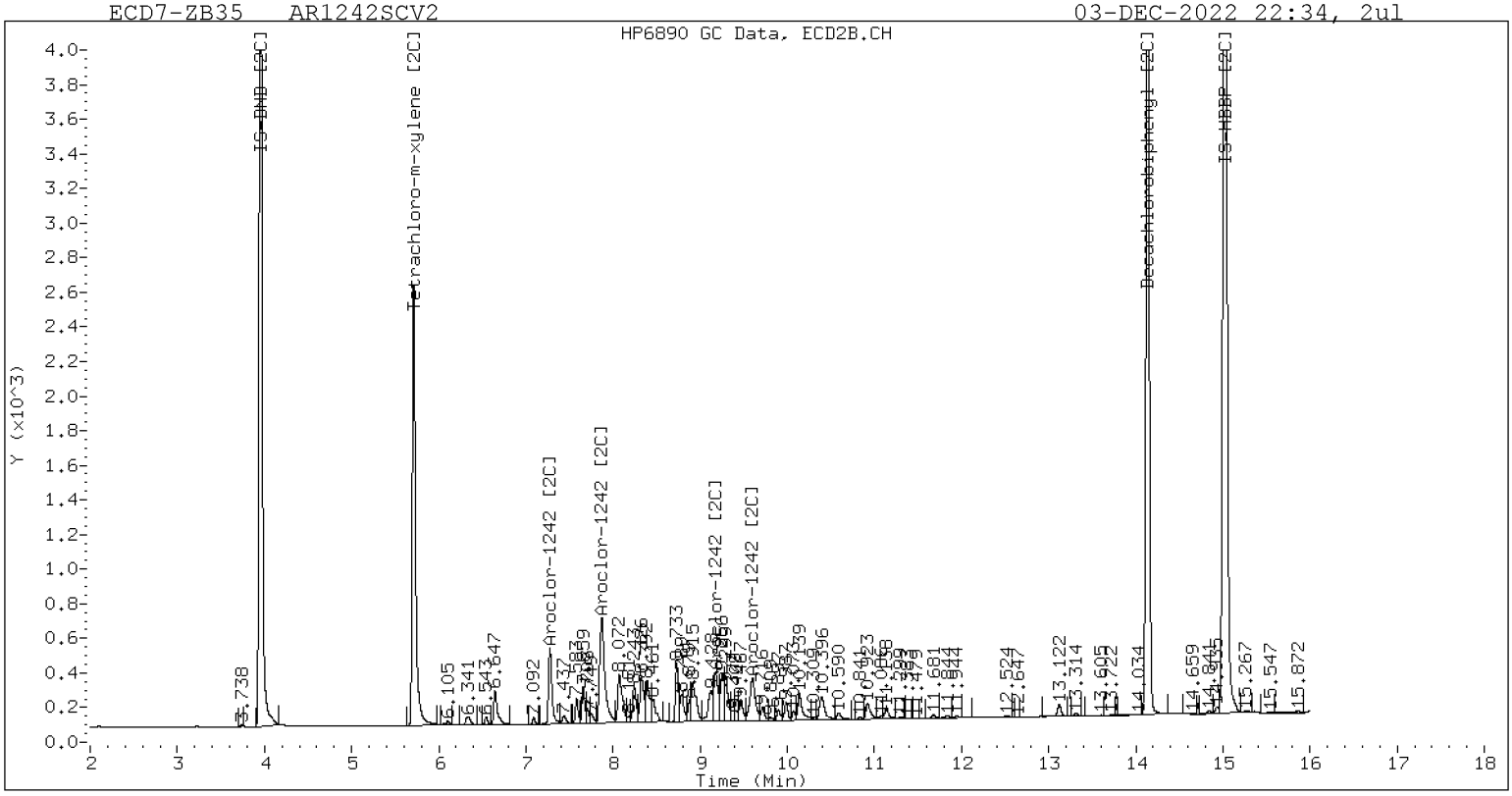
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV3
Sequence: SKL0048
Sequence Name: AR1248SCV3
Standard ID: K007657

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1248	250.00	246	-1.8	20.00
Aroclor 1248 [2C]	250.00	230	-7.9	20.00
Decachlorobiphenyl	40.000	39.3	-1.7	20.00
Tetrachlorometaxylene	40.000	34.7	-13.2	20.00
Decachlorobiphenyl [2C]	40.000	38.1	-4.8	20.00
Tetrachlorometaxylene [2C]	40.000	35.1	-12.3	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032224ECD7.D
Data file 2: /221203.b/221203.b/12032224ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248SCV3
Client ID:
Injection Date: 03-DEC-2022 22:55
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	238518	5.713	-0.001	130772	34.7	35.1	1.0	Tetrachloro-m-xylene
13.909	0.001	329816	14.137	0.000	230748	39.3	38.1	3.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484977	8.3
Hexabromobiphenyl	798898	915518	14.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272055	9.2
Hexabromobiphenyl	362541	426674	17.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.427	-0.000	49184	235.9	1	8.326	0.000	25647	230.8
Aroclor-1248	2	8.604	0.002	62884	236.2	2	8.733	0.000	26944	230.5
Aroclor-1248	3	9.021	-0.002	117065	244.4	3	9.179	0.001	32692	229.9
Aroclor-1248	4	9.315	0.000	62309	265.6	4	9.604	0.002	38342	229.7

Total Col1Ave (4 peaks): 245.5 Total Col2Ave (4 peaks): 230.2 RPD = 6

Corrected Ave (3 peaks): 238.8 Corrected Ave (3 peaks): 230.0 RPD = 4

Total PCB Area Col1 (5.936 - 13.808) = 991353 Col1 Total PCB = 0.2 ppm*

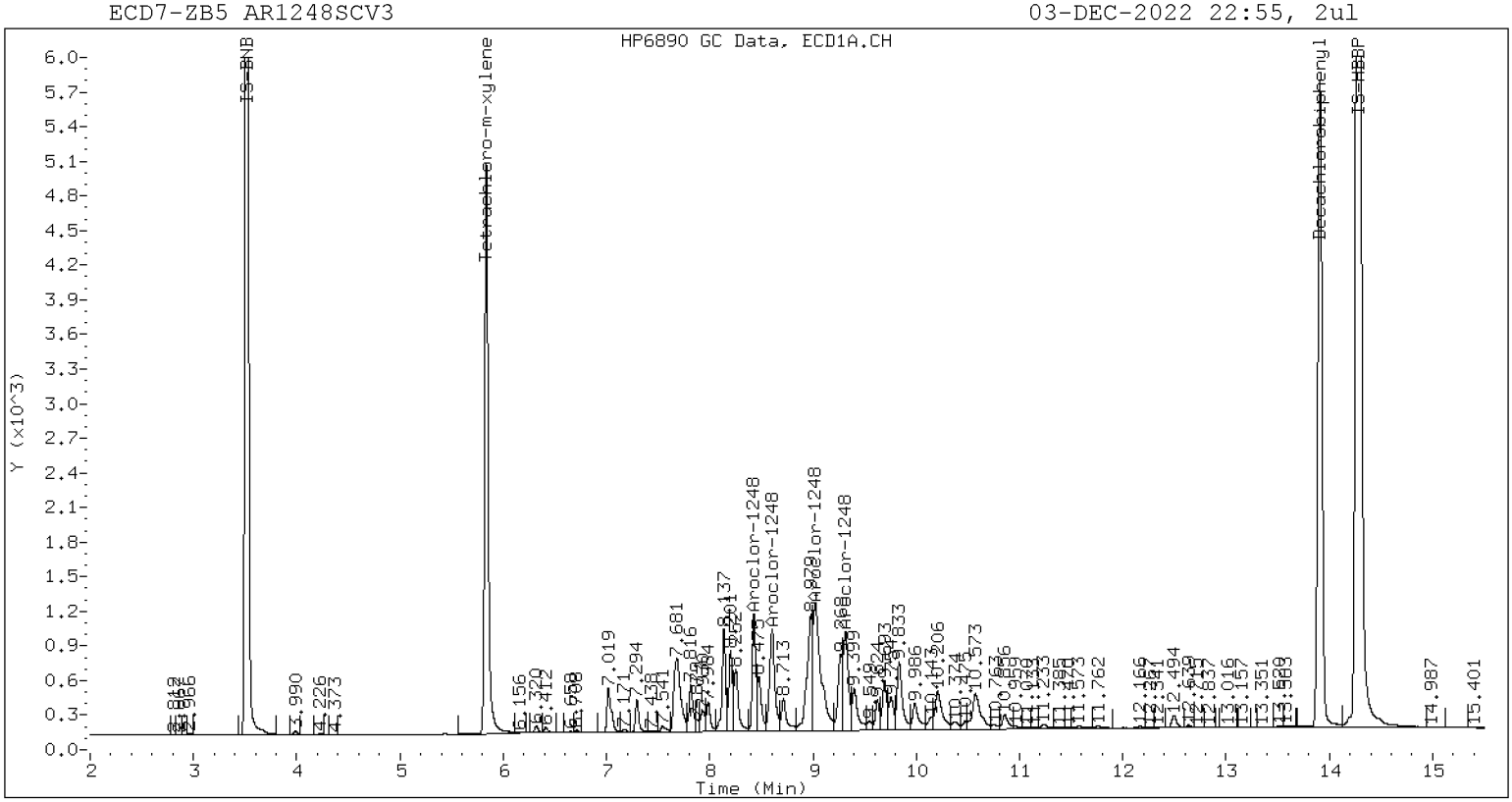
Total PCB Area Col2 (5.936 - 13.808) = 508870 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

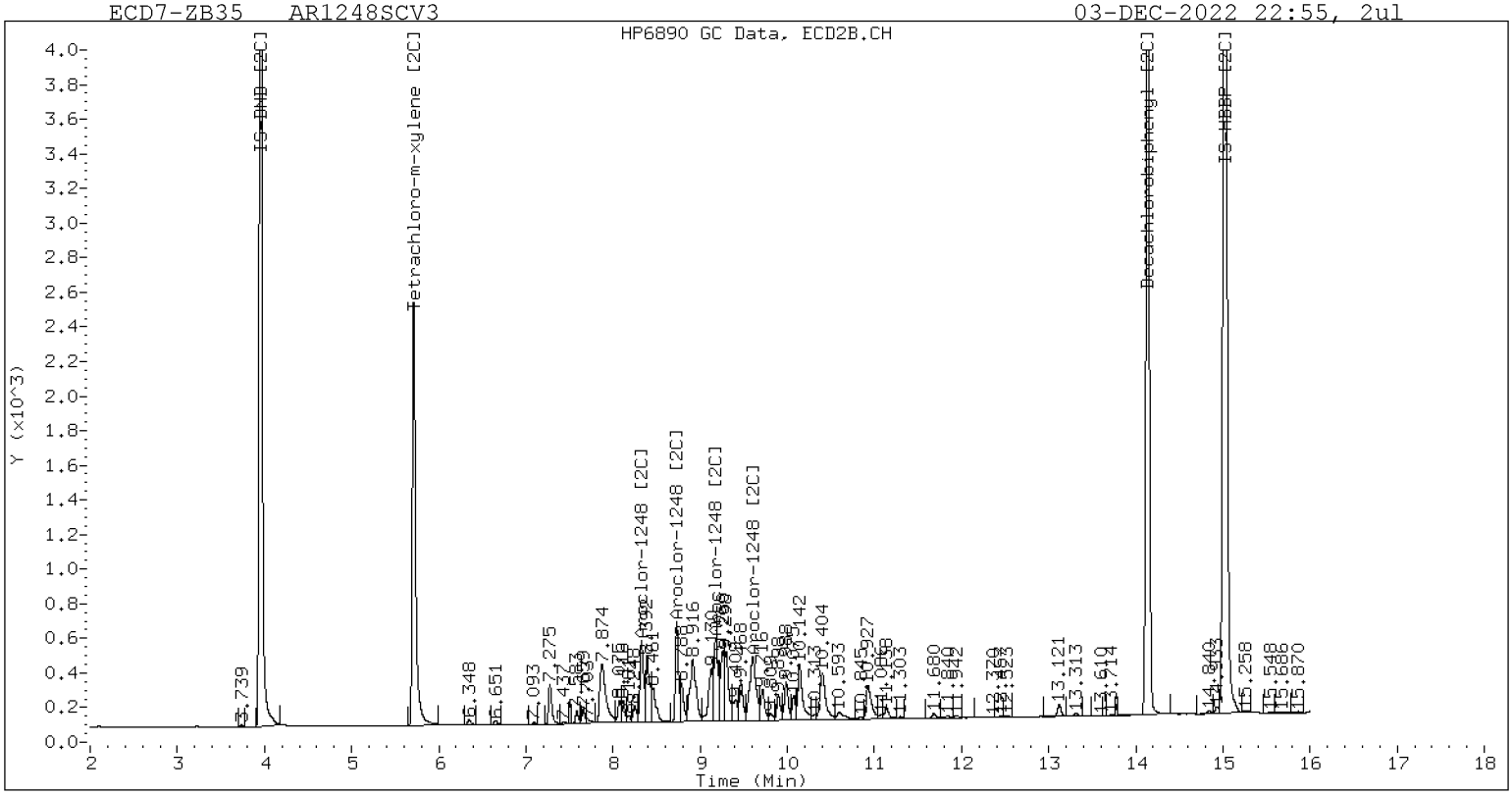
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV4
Sequence: SKL0048
Sequence Name: AR1254SCV4
Standard ID: K007658

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1254	250.00	228	-8.8	20.00
Aroclor 1254 [2C]	250.00	231	-7.7	20.00
Decachlorobiphenyl	40.000	39.5	-1.1	20.00
Tetrachlorometaxylene	40.000	35.5	-11.2	20.00
Decachlorobiphenyl [2C]	40.000	38.1	-4.8	20.00
Tetrachlorometaxylene [2C]	40.000	36.0	-10.0	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D
Data file 2: /221203.b/221203.b/12032225ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254SCV4
Client ID:
Injection Date: 03-DEC-2022 23:17
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	243863	5.713	-0.000	133610	35.5	36.0	1.4	Tetrachloro-m-xylene
13.909	0.001	332566	14.137	-0.000	233115	39.5	38.1	3.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484642	8.3
Hexabromobiphenyl	798898	917405	14.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270782	8.7
Hexabromobiphenyl	362541	431238	18.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1254	1	9.321	0.003	94448	221.3	1	9.469	0.002	39410	225.7
Aroclor-1254	2	9.401	0.003	41171	248.1	2	9.989	0.002	31415	223.8
Aroclor-1254	3	9.692	0.004	60946	226.1	3	10.143	0.004	66244	219.6
Aroclor-1254	4	9.832	0.004	116490	221.7	4	10.392	0.003	70095	224.3
Aroclor-1254	5	10.199	0.005	80050	222.3	5	10.588	0.002	39206	260.2

Total Col1Ave (5 peaks): 227.9 Total Col2Ave (5 peaks): 230.7 RPD = 1

Corrected Ave (4 peaks): 222.9 Corrected Ave (4 peaks): 223.4 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 1261470 Col1 Total PCB = 0.2 ppm*

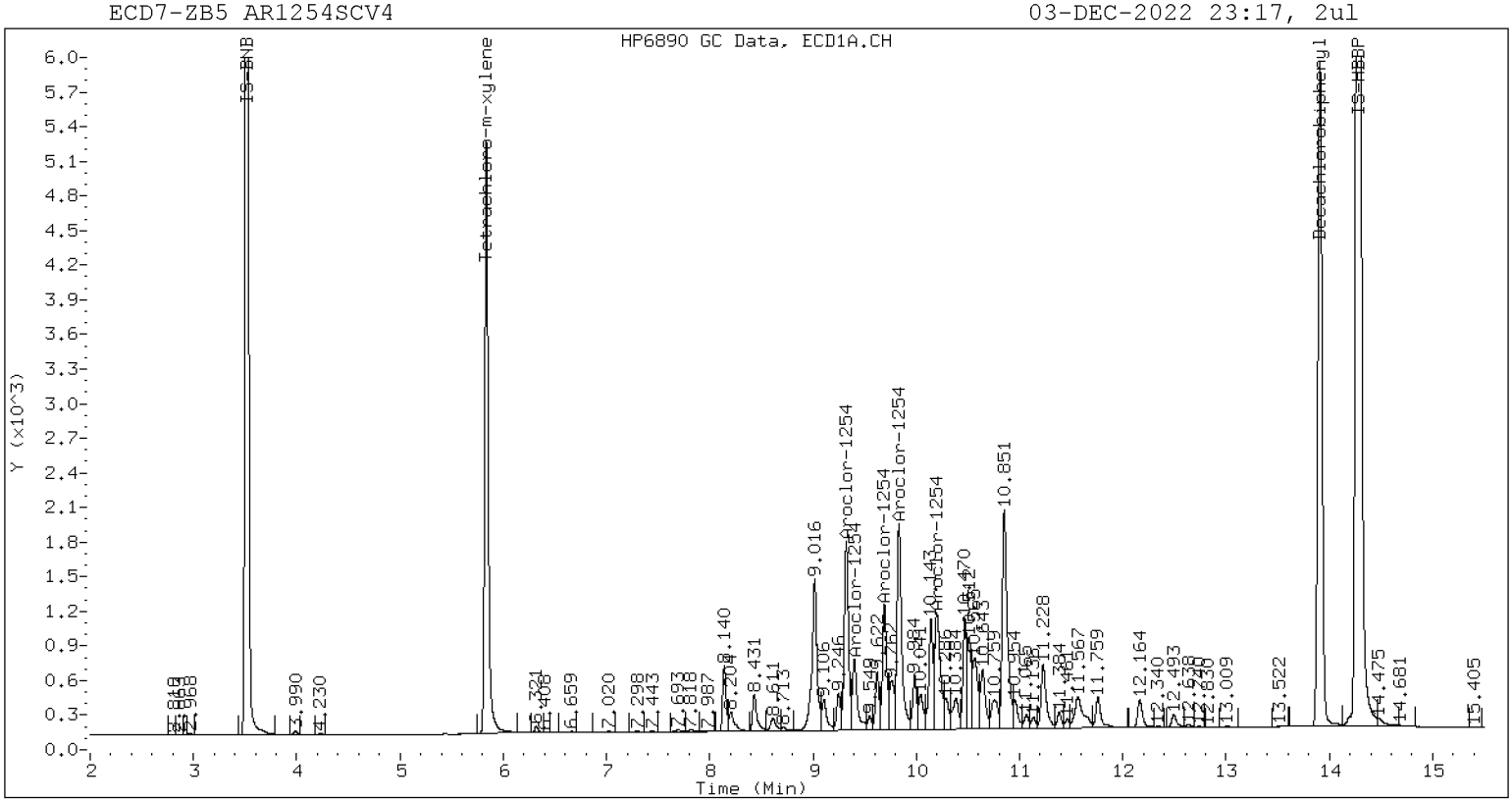
Total PCB Area Col2 (5.936 - 13.808) = 664781 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

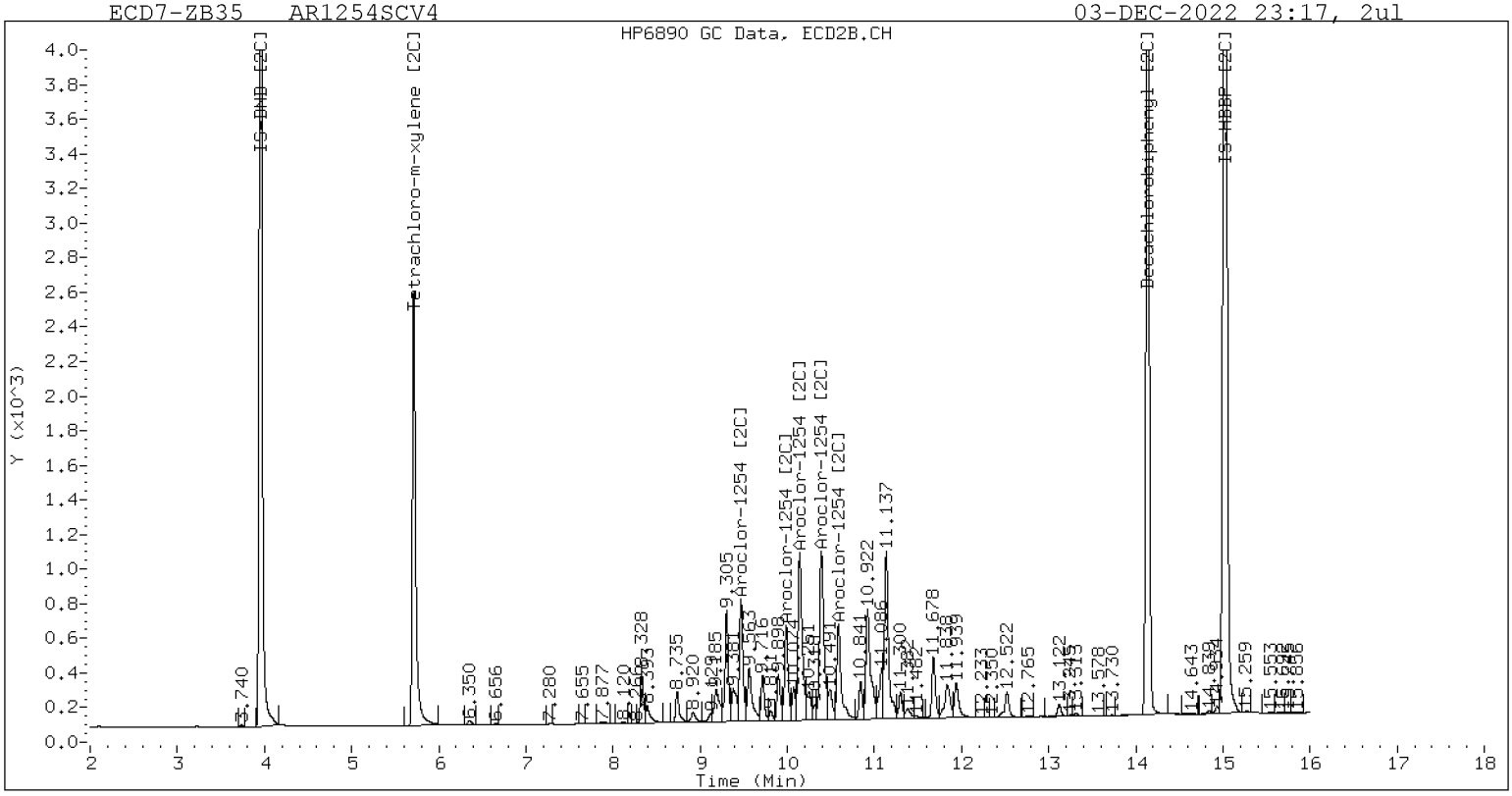
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV5
Sequence: SKL0048
Sequence Name: AR2162SCV5
Standard ID: K007659

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1221	250.00	237	-5.3	20.00
Aroclor 1221 [2C]	250.00	236	-5.7	20.00
Aroclor 1262	500.00	469	-6.2	20.00
Aroclor 1262 [2C]	500.00	464	-7.1	20.00
Decachlorobiphenyl	40.000	40.0	-0.04	20.00
Tetrachlorometaxylene	40.000	36.1	-9.8	20.00
Decachlorobiphenyl [2C]	40.000	38.4	-3.9	20.00
Tetrachlorometaxylene [2C]	40.000	35.7	-10.8	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032226ECD7.D
Data file 2: /221203.b/221203.b/12032226ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR2162.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR2162SCV5
Client ID:
Injection Date: 03-DEC-2022 23:38
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	246394	5.713	-0.000	131378	36.1	35.7	1.1	Tetrachloro-m-xylene
13.908	-0.001	334929	14.136	-0.001	237241	40.0	38.4	4.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	482097	7.7
Hexabromobiphenyl	798898	913775	14.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	268757	7.9
Hexabromobiphenyl	362541	434790	19.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1221	1	4.761	0.001	9579	240.4	1	4.988	0.001	5527	243.7
Aroclor-1221	2	6.159	0.001	16402	233.6	2	6.323	0.001	10041	232.3
Aroclor-1221	3	6.410	0.001	38315	236.6	3	6.646	0.001	16814	231.1
	Total Col1Ave (3 peaks):				236.8	Total Col2Ave (3 peaks):				235.7 RPD = 0
	Corrected Ave: < 3 Peaks					Corrected Ave: < 3 Peaks				
Aroclor-1262	1	10.845	-0.003	145305	475.5	1	11.216	-0.001	152840	462.3
Aroclor-1262	2	12.261	-0.001	222795	469.0	2	11.668	-0.002	131097	457.9
Aroclor-1262	3	12.336	-0.001	238475	470.0	3	12.449	-0.002	148386	469.8
Aroclor-1262	4	13.004	-0.001	188009	461.7	4	12.518	-0.001	231081	467.1
	Total Col1Ave (4 peaks):				469.1	Total Col2Ave (4 peaks):				464.3 RPD = 1
	Corrected Ave (3 peaks):				466.9	Corrected Ave (3 peaks):				462.4 RPD = 1

Total PCB Area Col1 (5.936 - 13.808) = 3654831 Col1 Total PCB = 0.7 ppm*

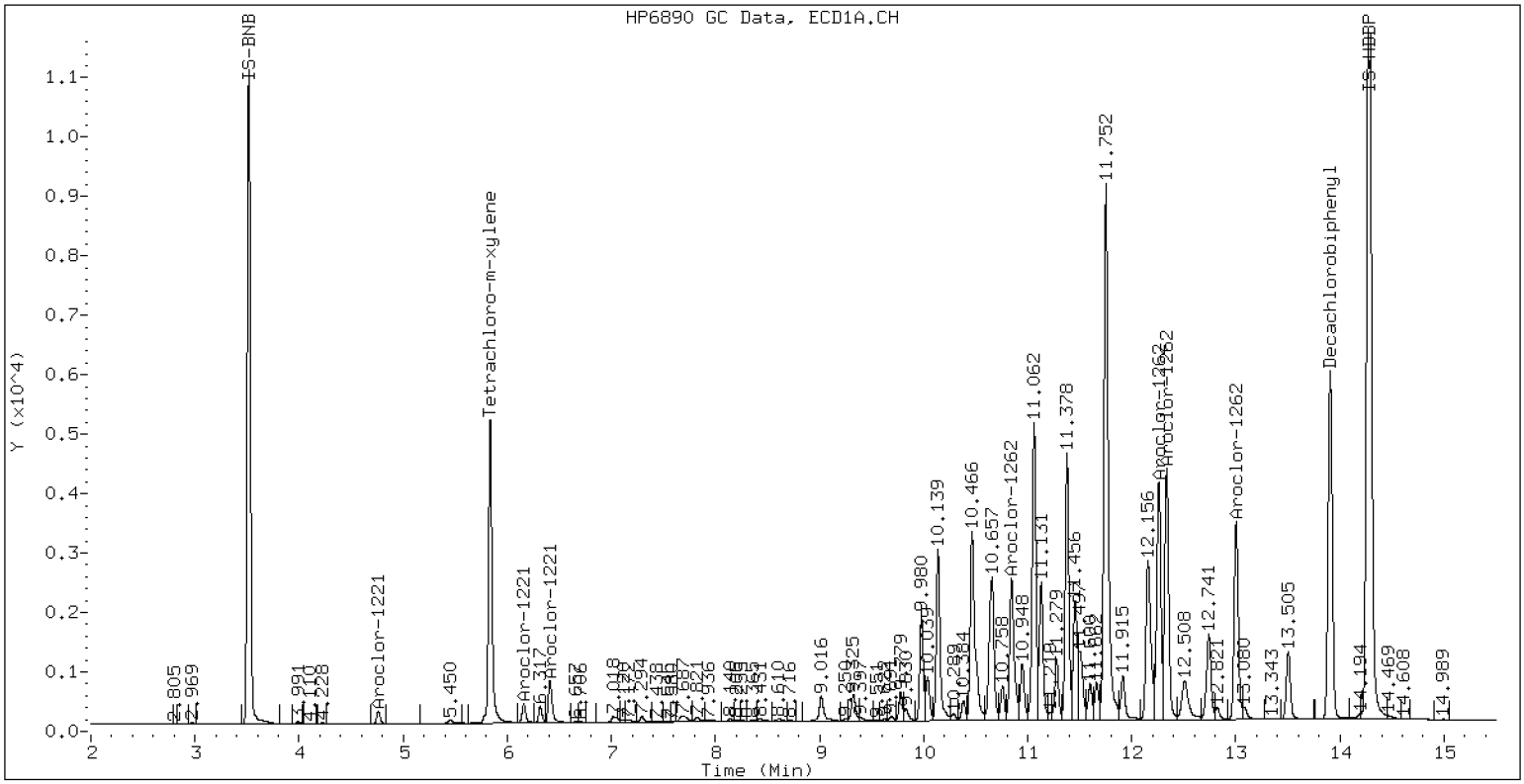
Total PCB Area Col2 (5.936 - 13.808) = 2063978 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

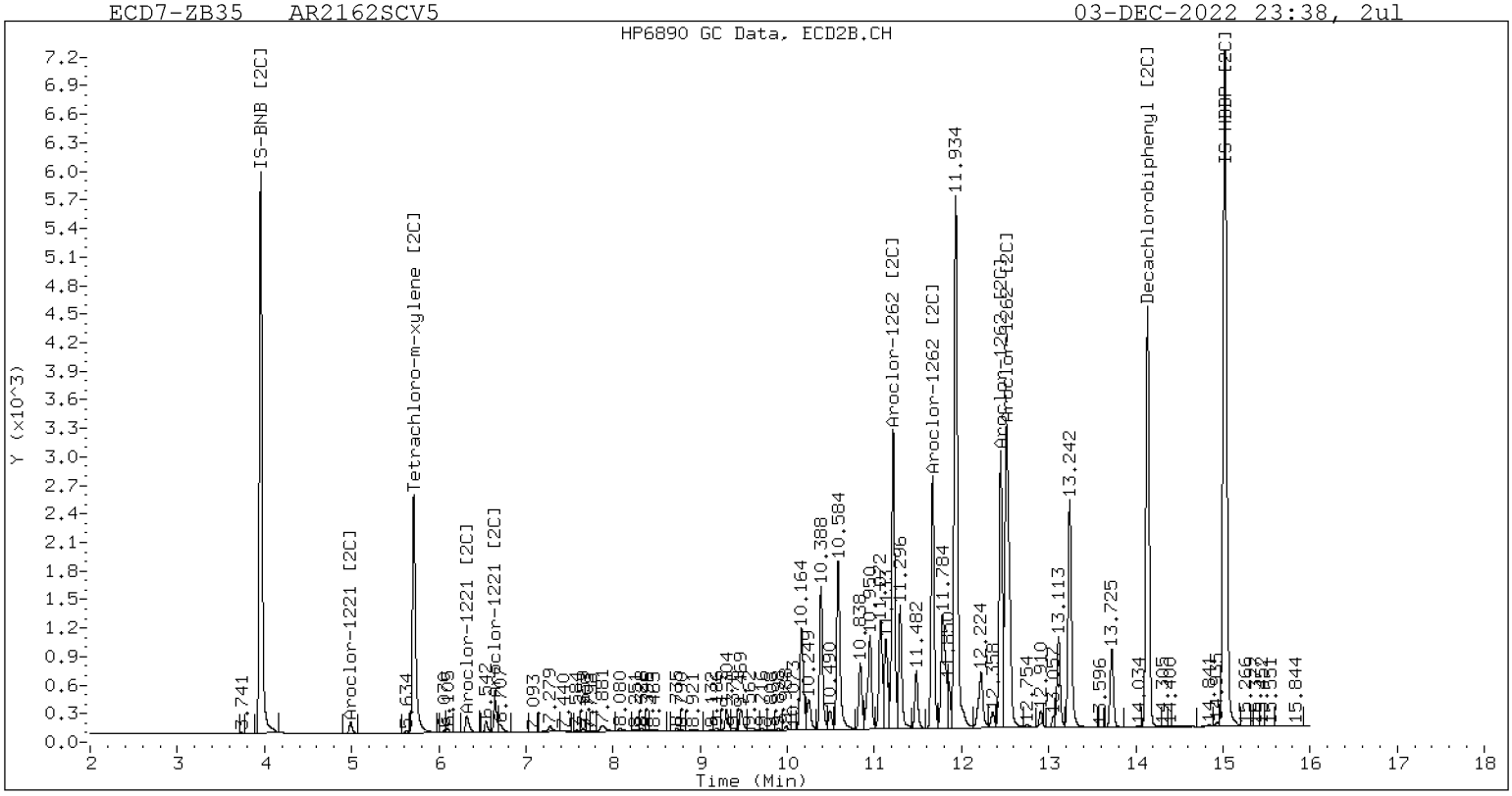
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00010
Laboratory ID: SKL0048-SCV6
Sequence: SKL0048
Sequence Name: AR3268SCV6
Standard ID: K007660

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1232	250.00	217	-13.4	20.00
Aroclor 1232 [2C]	250.00	230	-7.9	20.00
Aroclor 1268	250.00	231	-7.5	20.00
Aroclor 1268 [2C]	250.00	228	-8.9	20.00
Decachlorobiphenyl	40.000	56.2	40.4	20.00
Tetrachlorometaxylene	40.000	34.5	-13.8	20.00
Decachlorobiphenyl [2C]	40.000	54.9	37.3	20.00
Tetrachlorometaxylene [2C]	40.000	34.2	-14.4	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032227ECD7.D
Data file 2: /221203.b/221203.b/12032227ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR3268.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR3268SCV6
Client ID:
Injection Date: 03-DEC-2022 23:59
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	236120	5.711	-0.002	126782	34.5	34.2	0.7	Tetrachloro-m-xylene
13.907	-0.002	474236	14.136	-0.001	339687	56.2	54.9	2.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483276	8.0
Hexabromobiphenyl	798898	920878	15.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270175	8.5
Hexabromobiphenyl	362541	435731	20.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1232	1	4.758	-0.003	5334	221.8	1	4.986	-0.004	3031	230.7
Aroclor-1232	2	6.158	-0.002	9882	194.6	2	7.276	-0.001	14982	223.3
Aroclor-1232	3	7.684	0.000	51409	225.4	3	7.875	-0.001	29992	228.7
Aroclor-1232	4	8.607	0.001	21710	224.4	4	8.734	0.000	8467	238.1
Total Col1Ave (4 peaks):					216.5	Total Col2Ave (4 peaks):				230.2 RPD = 6
Corrected Ave (3 peaks):					213.6	Corrected Ave (3 peaks):				227.6 RPD = 6
Aroclor-1268	1	12.262	-0.000	296463	230.1	1	12.449	-0.000	189354	230.2
Aroclor-1268	2	12.336	0.001	294353	233.5	2	12.517	0.000	196449	232.9
Aroclor-1268	3	12.715	-0.001	238693	231.1	3	12.909	-0.001	66881	213.9
Aroclor-1268	4	13.506	0.001	725881	230.1	4	13.725	-0.001	525890	233.7
Total Col1Ave (4 peaks):					231.2	Total Col2Ave (4 peaks):				227.7 RPD = 2
Corrected Ave (3 peaks):					230.4	Corrected Ave (3 peaks):				225.7 RPD = 2

Total PCB Area Col1 (5.936 - 13.808) = 2353838 Col1 Total PCB = 0.4 ppm*

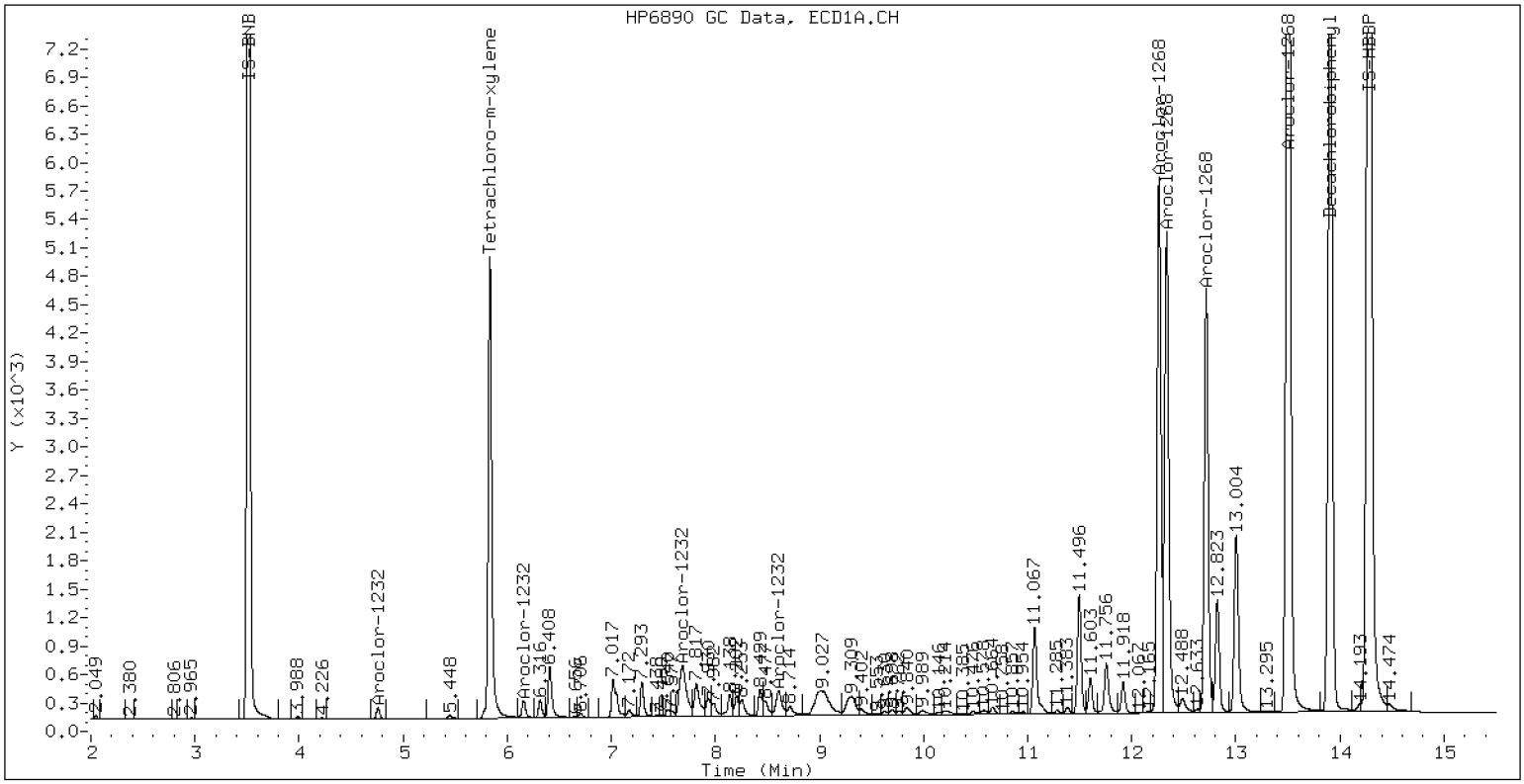
Total PCB Area Col2 (5.936 - 13.808) = 1423323 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

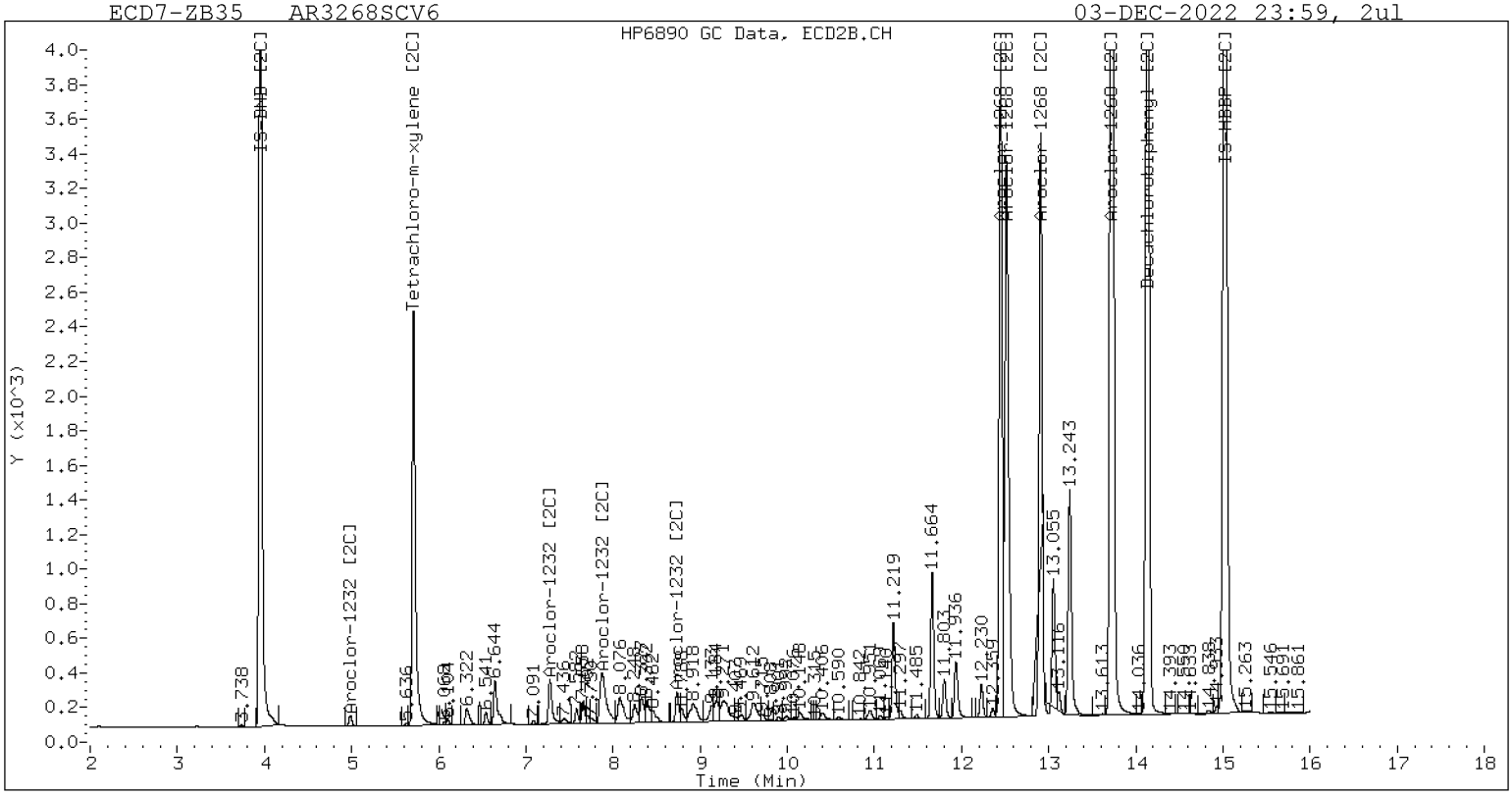
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192202ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-ICV1	Injection Time:	14:56
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	281	0.0576965	0.0655870		12.3	+/-20
Aroclor-1254 (1)	A	250.00	268	0.0704377	0.0755171			
Aroclor-1254 (2)	A	250.00	282	0.0273935	0.0308754			
Aroclor-1254 (3)	A	250.00	235	0.0444885	0.0417781			
Aroclor-1254 (4)	A	250.00	300	0.0867185	0.1039258			
Aroclor-1254 (5)	A	250.00	319	0.0594444	0.0758385			
Aroclor 1254 [2C]	A	250.00	241	0.0638047	0.0630653		-3.5	+/-20
Aroclor-1254 (1) [2C]	A	250.00	252	0.0515798	0.0520625			
Aroclor-1254 (2) [2C]	A	250.00	167	0.0414689	0.0276187			
Aroclor-1254 (3) [2C]	A	250.00	238	0.0891370	0.0848982			
Aroclor-1254 (4) [2C]	A	250.00	277	0.0923140	0.1021126			
Aroclor-1254 (5) [2C]	A	250.00	273	0.0445236	0.0486345			
Decachlorobiphenyl	A	40.000	43.6	0.7333327	0.8000518		9.1	+/-20
Tetrachlorometaxylene	A	40.000	38.2	1.1336710	1.0829490		-4.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1489500		1.2	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.1	1.0966080	1.0161750		-7.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192202ECD7.D
Data file 2: /221219.b/221219.b/12192202ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254ICV1
Client ID:
Injection Date: 19-DEC-2022 14:56
Report Date: 12/21/2022 10:22
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	234479	5.710	-0.003	131048	38.2	37.1	3.0	Tetrachloro-m-xylene
13.906	-0.002	364190	14.133	-0.004	234079	43.6	40.5	7.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	433038	-3.3
Hexabromobiphenyl	798898	910416	14.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257924	3.5
Hexabromobiphenyl	362541	407466	12.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.315	-0.006	102193	268.0	1	9.463	-0.004	41963	252.3
Aroclor-1254	2	9.393	-0.008	41782	281.8	2	9.981	-0.005	22261	166.5
Aroclor-1254	3	9.686	-0.009	56536	234.8	3	10.133	-0.007	68429	238.1
Aroclor-1254	4	9.821	-0.010	140637	299.6	4	10.381	-0.008	82304	276.5
Aroclor-1254	5	10.175	-0.014	102628	318.9	5	10.579	-0.007	39200	273.1

Total Col1Ave (5 peaks): 280.6 Total Col2Ave (5 peaks): 241.3 RPD = 15

Corrected Ave (4 peaks): 271.0 Corrected Ave (4 peaks): 232.5 RPD = 15

Total PCB Area Col1 (5.936 - 13.808) = 1466774 Col1 Total PCB = 0.3 ppm*

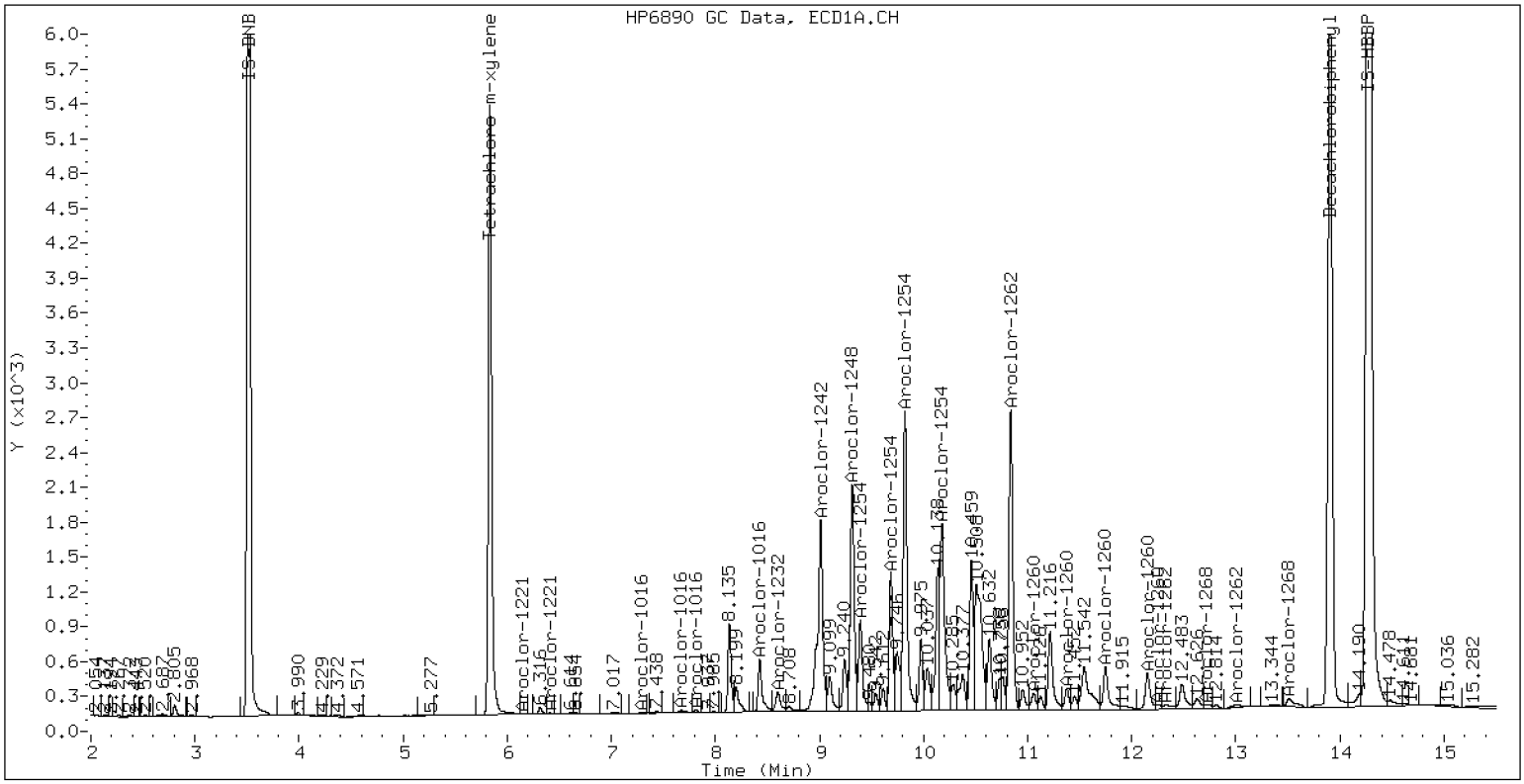
Total PCB Area Col2 (5.936 - 13.808) = 721420 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

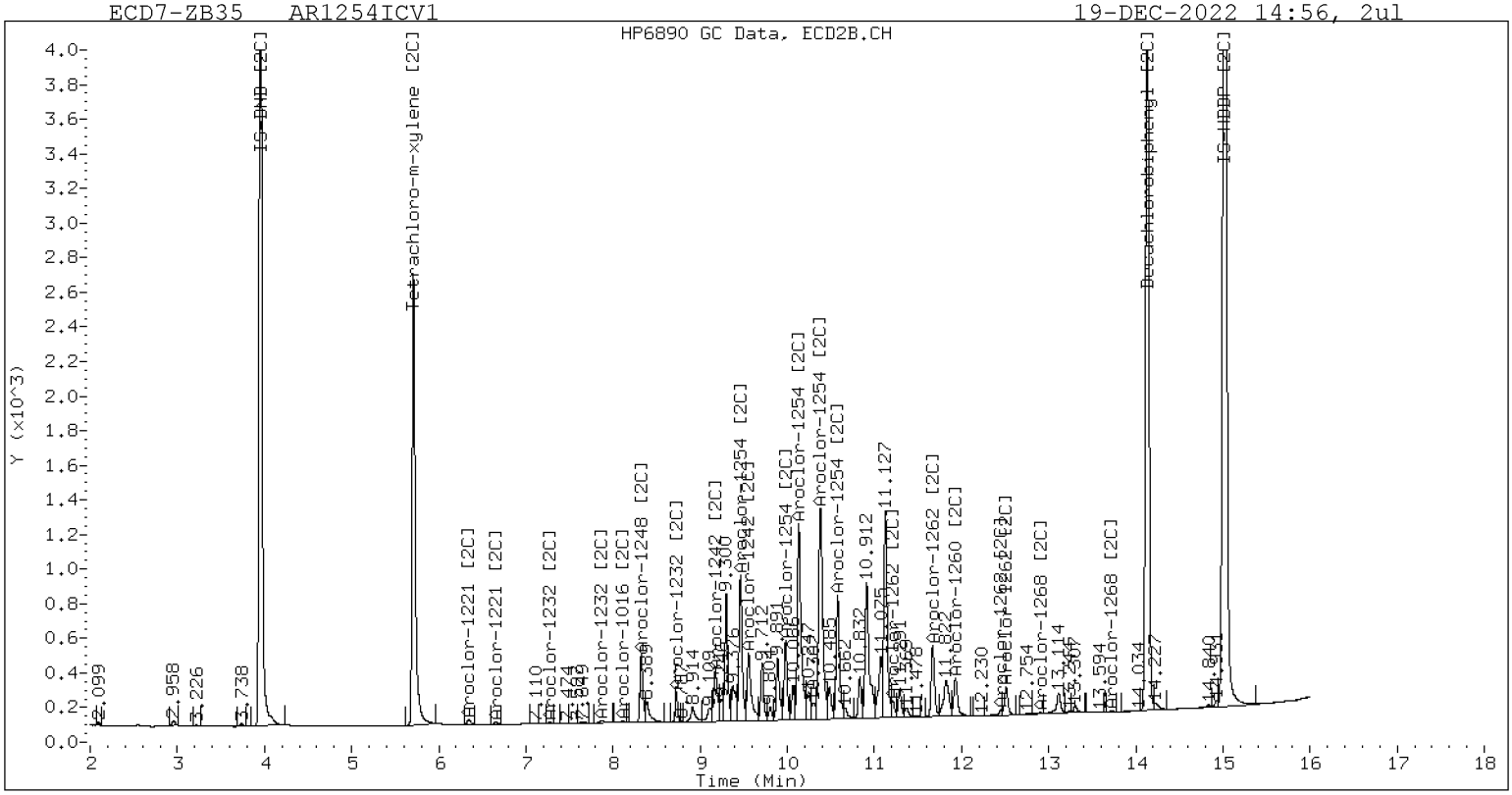
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 19-DEC-2022 14:56, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 19-DEC-2022 14:56, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192203ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-ICV2	Injection Time:	15:17
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	289	0.0441939	0.0503986		15.4	+/-20
Aroclor-1016 (1)	A	250.00	282	0.0266860	0.0301396		12.9	
Aroclor-1016 (2)	A	250.00	280	0.0861572	0.0966301		12.2	
Aroclor-1016 (3)	A	250.00	282	0.0390425	0.0439668		12.6	
Aroclor-1016 (4)	A	250.00	310	0.0248899	0.0308578		24.0	
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0441735		-2.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0409342		0.08	
Aroclor-1016 (2) [2C]	A	250.00	222	0.0882154	0.0784455		-11.1	
Aroclor-1016 (3) [2C]	A	250.00	239	0.0378846	0.0362816		-4.2	
Aroclor-1016 (4) [2C]	A	250.00	264	0.0199212	0.0210328		5.6	
Aroclor 1260	A	250.00	278	0.0390342	0.0432695		11.3	+/-20
Aroclor-1260 (1)	A	250.00	275	0.0291201	0.0320382		10.0	
Aroclor-1260 (2)	A	250.00	279	0.0301181	0.0336173		11.6	
Aroclor-1260 (3)	A	250.00	278	0.0791351	0.0880391		11.3	
Aroclor-1260 (4)	A	250.00	270	0.0403003	0.0435495		8.1	
Aroclor-1260 (5)	A	250.00	289	0.0164974	0.0191034		15.8	
Aroclor 1260 [2C]	A	250.00	217	0.0617619	0.0510922		-13.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	225	0.0422283	0.0379567		-10.1	
Aroclor-1260 (2) [2C]	A	250.00	188	0.1059643	0.0798594		-24.6	
Aroclor-1260 (3) [2C]	A	250.00	245	0.0282173	0.0276108		-2.1	
Aroclor-1260 (4) [2C]	A	250.00	209	0.0706376	0.0589420		-16.6	
Decachlorobiphenyl	A	40.000	43.5	0.7333327	0.7972380		8.7	+/-20
Tetrachlorometaxylene	A	40.000	41.9	1.1336710	1.1867310		4.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.7	1.1358180	1.1273860		-0.7	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.5	1.0966080	1.1090700		1.1	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192203ECD7.D
Data file 2: /221219.b/221219.b/12192203ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660ICV2
Client ID:
Injection Date: 19-DEC-2022 15:17
Report Date: 12/21/2022 10:22
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	221568	5.712	-0.001	124680	41.9	40.5	3.4	Tetrachloro-m-xylene
13.905	-0.003	330149	14.133	-0.004	212656	43.5	39.7	9.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	373409	-16.6
Hexabromobiphenyl	798898	828232	3.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	224837	-9.7
Hexabromobiphenyl	362541	377255	4.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.003	35170	282.4	1	7.275	-0.000	28761	250.2
Aroclor-1016	2	7.675	-0.010	112758	280.4	2	7.872	0.002	55117	222.3
Aroclor-1016	3	7.812	-0.006	51305	281.5	3	8.072	0.002	25492	239.4
Aroclor-1016	4	8.424	-0.005	36008	309.9	4	8.242	0.001	14778	264.0
Total Col1Ave (4 peaks):					288.6	Total Col2Ave (4 peaks):				244.0 RPD = 17
Corrected Ave (3 peaks):					281.4	Corrected Ave (3 peaks):				237.3 RPD = 17
Aroclor-1260	1	11.056	-0.006	82922	275.1	1	11.666	-0.003	44748	224.7
Aroclor-1260	2	11.373	-0.004	87009	279.0	2	11.928	-0.005	94148	188.4
Aroclor-1260	3	11.746	-0.006	227865	278.1	3	12.449	-0.003	32551	244.6
Aroclor-1260	4	12.150	-0.008	112716	270.2	4	12.512	-0.005	69488	208.6
Aroclor-1260	5	12.257	-0.004	49444	289.5	NS	---			----
Total Col1Ave (5 peaks):					278.4	Total Col2Ave (4 peaks):				216.6 RPD = 25
Corrected Ave (4 peaks):					275.6	Corrected Ave (3 peaks):				207.2 RPD = 28

Total PCB Area Col1 (5.936 - 13.808) = 2370230 Col1 Total PCB = 0.6 ppm*

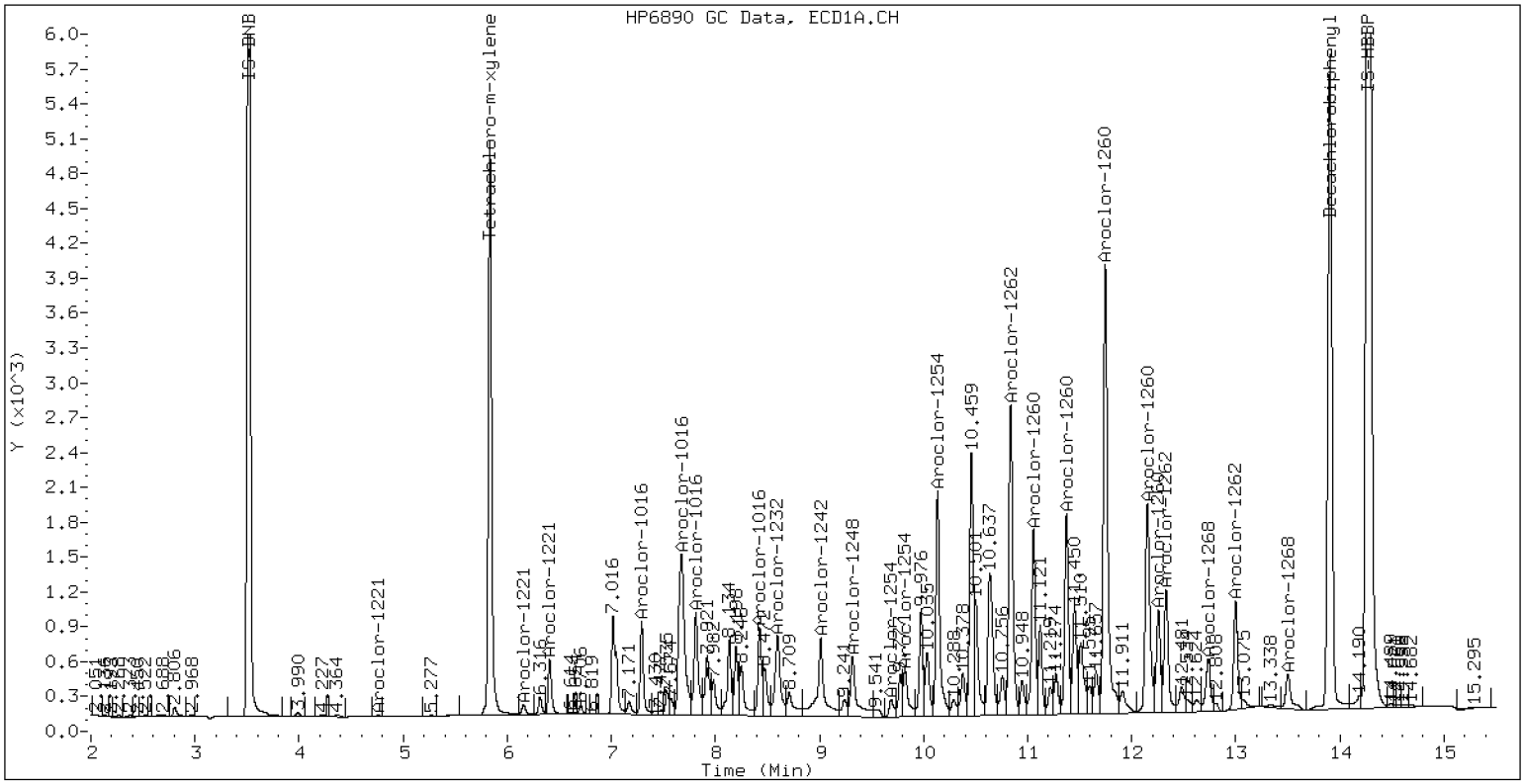
Total PCB Area Col2 (5.936 - 13.808) = 1041393 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

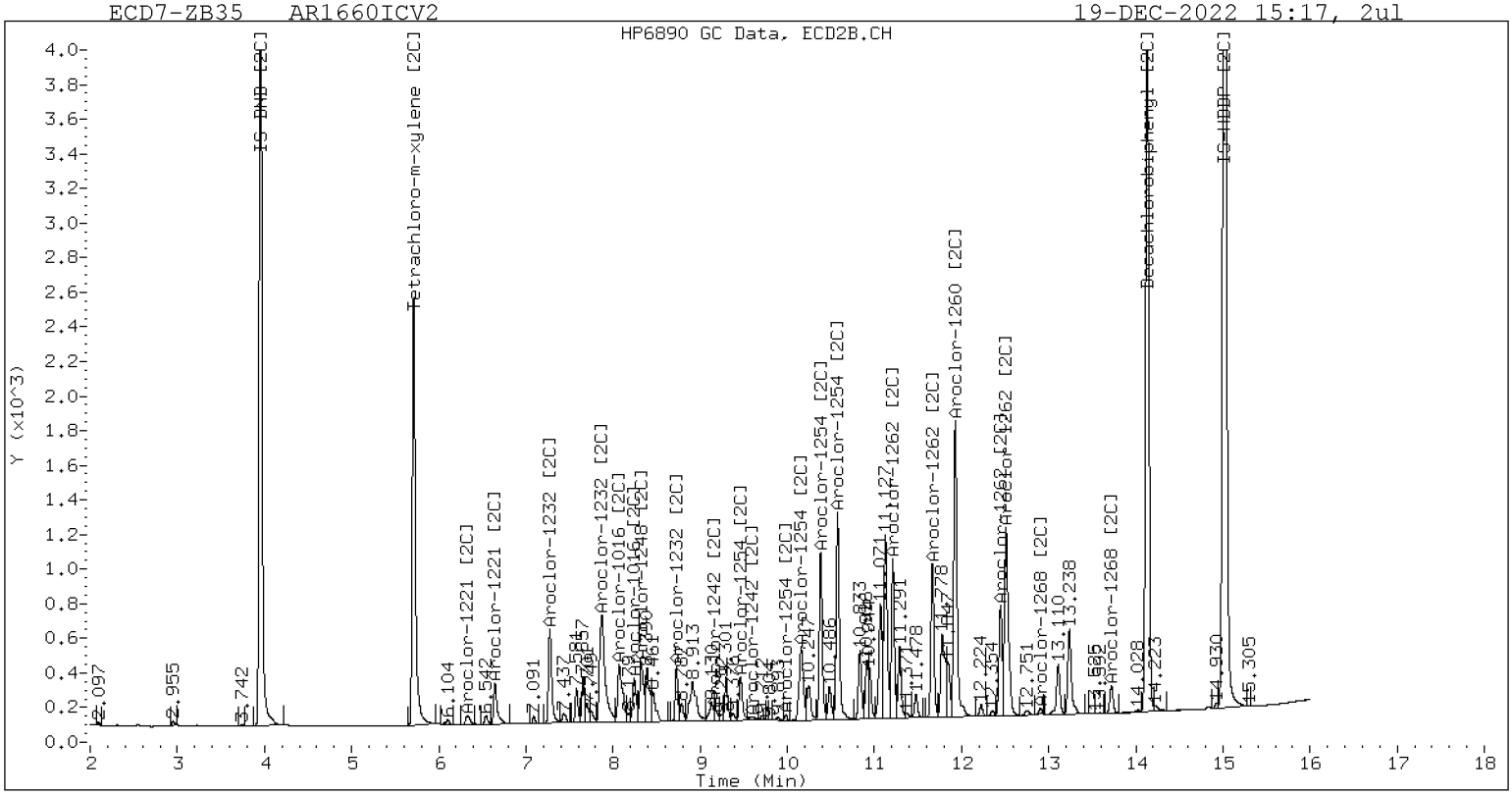
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 19-DEC-2022 15:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 19-DEC-2022 15:17, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202202ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-ICV1	Injection Time:	13:07
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	252	0.0576965	0.0589776		1.0	+/-20
Aroclor-1254 (1)	A	250.00	252	0.0704377	0.0708737			
Aroclor-1254 (2)	A	250.00	264	0.0273935	0.0289704			
Aroclor-1254 (3)	A	250.00	195	0.0444885	0.0347873			
Aroclor-1254 (4)	A	250.00	268	0.0867185	0.0930140			
Aroclor-1254 (5)	A	250.00	283	0.0594444	0.0672428			
Aroclor 1254 [2C]	A	250.00	233	0.0638047	0.0604370		-6.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	242	0.0515798	0.0499537			
Aroclor-1254 (2) [2C]	A	250.00	173	0.0414689	0.0287043			
Aroclor-1254 (3) [2C]	A	250.00	228	0.0891370	0.0811284			
Aroclor-1254 (4) [2C]	A	250.00	259	0.0923140	0.0957540			
Aroclor-1254 (5) [2C]	A	250.00	262	0.0445236	0.0466444			
Decachlorobiphenyl	A	40.000	43.8	0.7333327	0.8031294		9.5	+/-20
Tetrachlorometaxylene	A	40.000	36.9	1.1336710	1.0444620		-7.9	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.8	1.1358180	1.1305860		-0.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.6	1.0966080	1.0040770		-8.4	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202202ECD7.D
Data file 2: /221220.b/221220.b/12202202ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254ICV1
Client ID:
Injection Date: 20-DEC-2022 13:07
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	229111	5.708	-0.005	124859	36.9	36.6	0.6	Tetrachloro-m-xylene
13.906	-0.002	301347	14.133	-0.004	205458	43.8	39.8	9.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	438716	-2.0
Hexabromobiphenyl	798898	750432	-6.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	248704	-0.2
Hexabromobiphenyl	362541	363454	0.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1254	1	9.315	-0.006	97167	251.5	1	9.464	-0.003	38824	242.1
Aroclor-1254	2	9.395	-0.007	39718	264.4	2	9.981	-0.005	22309	173.0
Aroclor-1254	3	9.689	-0.005	47693	195.5	3	10.133	-0.006	63053	227.5
Aroclor-1254	4	9.823	-0.008	127521	268.1	4	10.382	-0.007	74420	259.3
Aroclor-1254	5	10.180	-0.009	92189	282.8	5	10.579	-0.007	36252	261.9
		Total Col1Ave (5 peaks):			252.5		Total Col2Ave (5 peaks):			232.8 RPD = 8
		Corrected Ave (4 peaks):			244.9		Corrected Ave (4 peaks):			225.5 RPD = 8

Total PCB Area Col1 (5.936 - 13.808) = 1361790 Col1 Total PCB = 0.3 ppm*

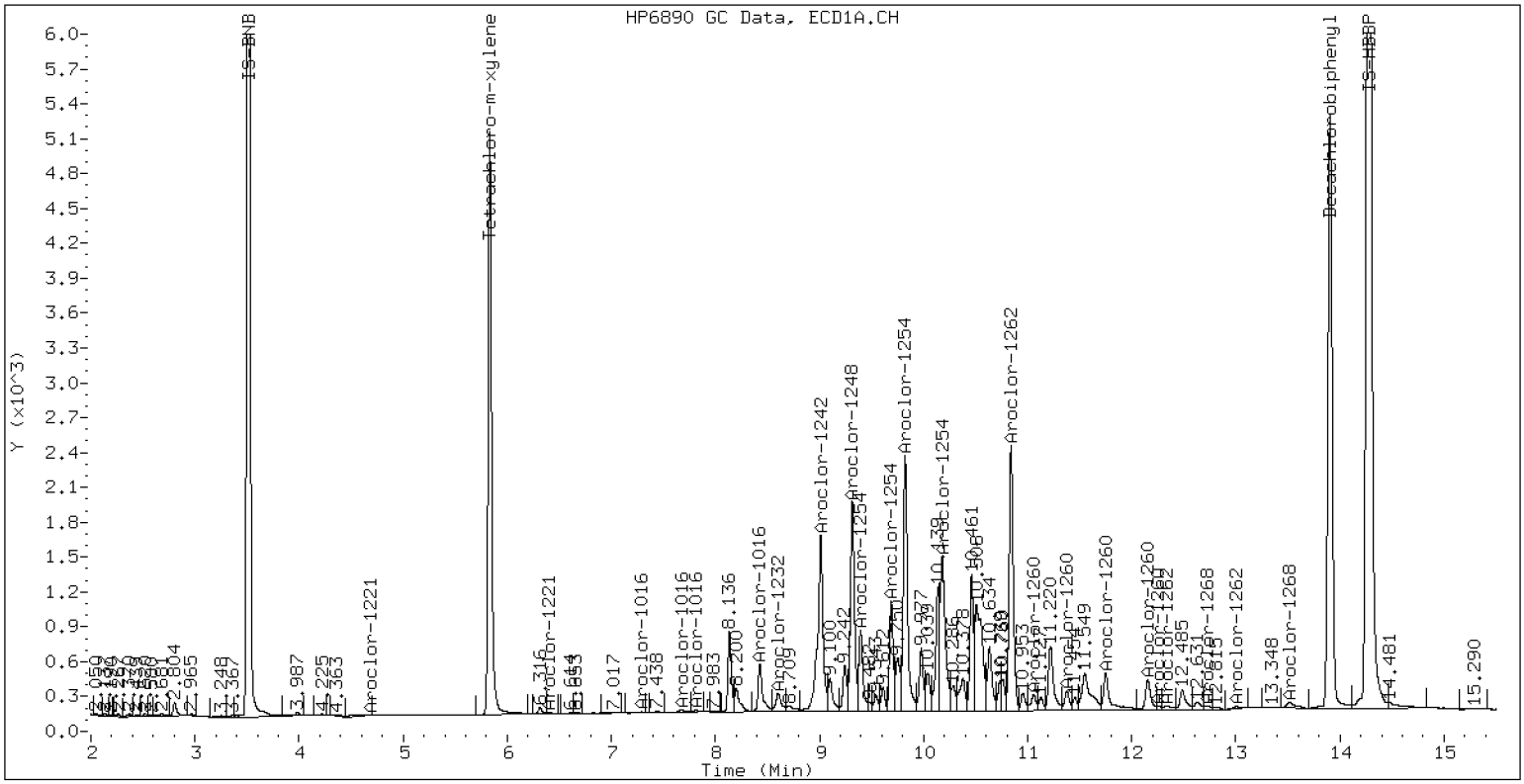
Total PCB Area Col2 (5.936 - 13.808) = 670867 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

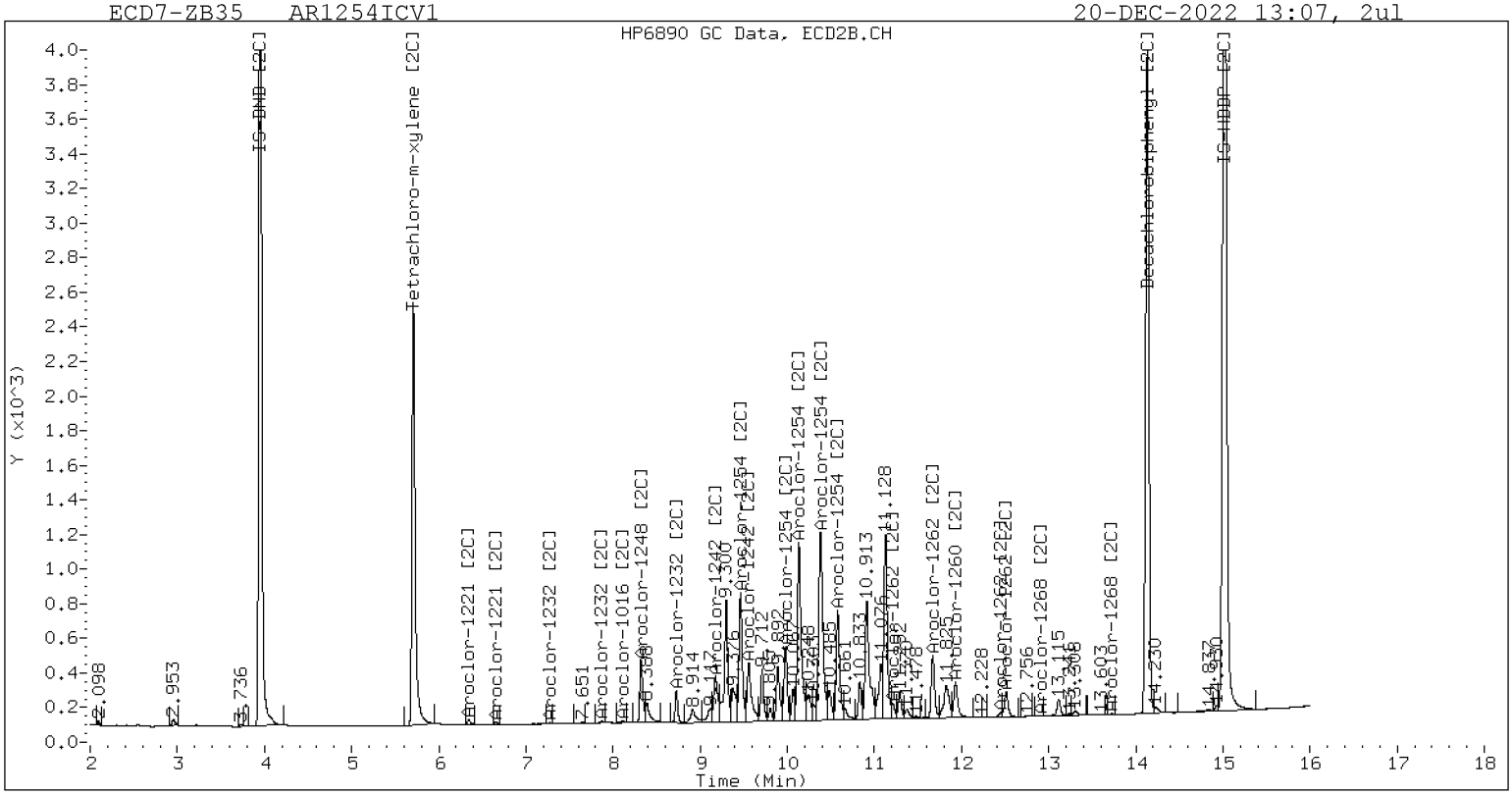
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 20-DEC-2022 13:07, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 20-DEC-2022 13:07, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202203ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-ICV2	Injection Time:	13:28
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	272	0.0441939	0.0476515		8.8	+/-20
Aroclor-1016 (1)	A	250.00	265	0.0266860	0.0283273		6.2	
Aroclor-1016 (2)	A	250.00	265	0.0861572	0.0912591		5.9	
Aroclor-1016 (3)	A	250.00	274	0.0390425	0.0428326		9.7	
Aroclor-1016 (4)	A	250.00	283	0.0248899	0.0281869		13.2	
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0449928		-1.2	+/-20
Aroclor-1016 (1) [2C]	A	250.00	254	0.0409030	0.0414828		1.4	
Aroclor-1016 (2) [2C]	A	250.00	229	0.0882154	0.0807540		-8.5	
Aroclor-1016 (3) [2C]	A	250.00	243	0.0378846	0.0368544		-2.7	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0208798		4.8	
Aroclor 1260	A	250.00	279	0.0390342	0.0437775		11.5	+/-20
Aroclor-1260 (1)	A	250.00	275	0.0291201	0.0320603		10.1	
Aroclor-1260 (2)	A	250.00	281	0.0301181	0.0339075		12.6	
Aroclor-1260 (3)	A	250.00	285	0.0791351	0.0903227		14.1	
Aroclor-1260 (4)	A	250.00	275	0.0403003	0.0442830		9.9	
Aroclor-1260 (5)	A	250.00	278	0.0164974	0.0183138		11.0	
Aroclor 1260 [2C]	A	250.00	221	0.0617619	0.0525986		-11.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	229	0.0422283	0.0387546		-8.2	
Aroclor-1260 (2) [2C]	A	250.00	199	0.1059643	0.0843248		-20.4	
Aroclor-1260 (3) [2C]	A	250.00	242	0.0282173	0.0273623		-3.0	
Aroclor-1260 (4) [2C]	A	250.00	212	0.0706376	0.0599527		-15.1	
Decachlorobiphenyl	A	40.000	44.5	0.7333327	0.8149634		11.1	+/-20
Tetrachlorometaxylene	A	40.000	40.6	1.1336710	1.1517130		1.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.8	1.1358180	1.1029810		-2.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.8	1.0966080	1.0899580		-0.6	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202203ECD7.D
Data file 2: /221220.b/221220.b/12202203ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660ICV2
Client ID:
Injection Date: 20-DEC-2022 13:28
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	195513	5.710	-0.003	107084	40.6	39.8	2.2	Tetrachloro-m-xylene
13.905	-0.003	257658	14.132	-0.005	174753	44.5	38.8	13.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	339517	-24.2
Hexabromobiphenyl	798898	632318	-20.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	196492	-21.1
Hexabromobiphenyl	362541	316874	-12.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.004	30055	265.4	1	7.274	-0.001	25472	253.5
Aroclor-1016	2	7.680	-0.005	96825	264.8	2	7.873	0.002	49586	228.9
Aroclor-1016	3	7.812	-0.005	45445	274.3	3	8.071	0.001	22630	243.2
Aroclor-1016	4	8.425	-0.004	29906	283.1	4	8.243	0.002	12821	262.0
Total Col1Ave (4 peaks):					271.9	Total Col2Ave (4 peaks):				246.9 RPD = 10
Corrected Ave (3 peaks):					268.1	Corrected Ave (3 peaks):				241.9 RPD = 10
Aroclor-1260	1	11.057	-0.005	63351	275.2	1	11.666	-0.003	38376	229.4
Aroclor-1260	2	11.373	-0.004	67001	281.5	2	11.928	-0.004	83501	198.9
Aroclor-1260	3	11.747	-0.004	178477	285.3	3	12.447	-0.004	27095	242.4
Aroclor-1260	4	12.152	-0.007	87503	274.7	4	12.512	-0.005	59367	212.2
Aroclor-1260	5	12.256	-0.006	36188	277.5	NS	---			----
Total Col1Ave (5 peaks):					278.9	Total Col2Ave (4 peaks):				220.7 RPD = 23
Corrected Ave (4 peaks):					277.2	Corrected Ave (3 peaks):				213.5 RPD = 26

Total PCB Area Col1 (5.936 - 13.808) = 1806544 Col1 Total PCB = 0.5 ppm*

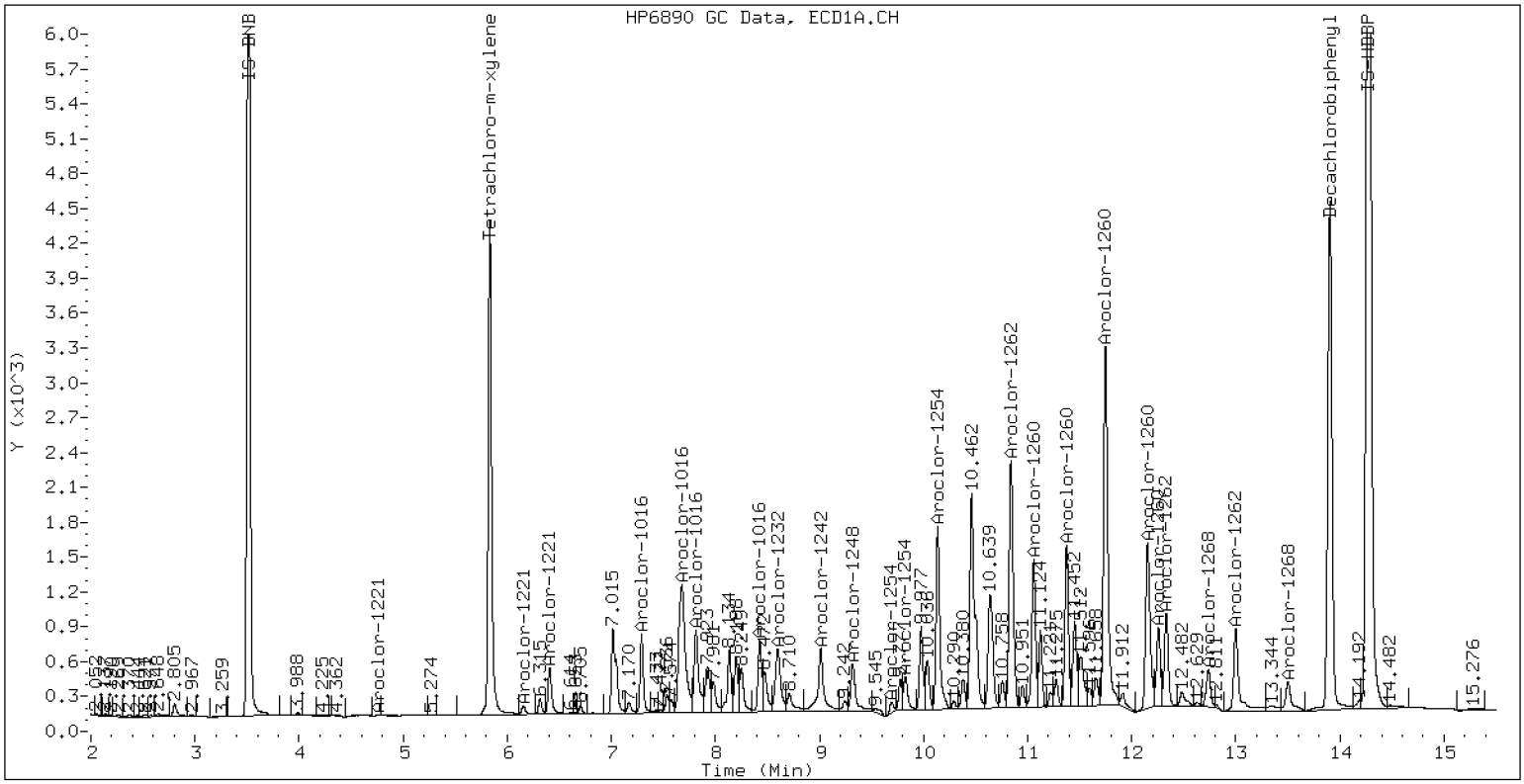
Total PCB Area Col2 (5.936 - 13.808) = 919428 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

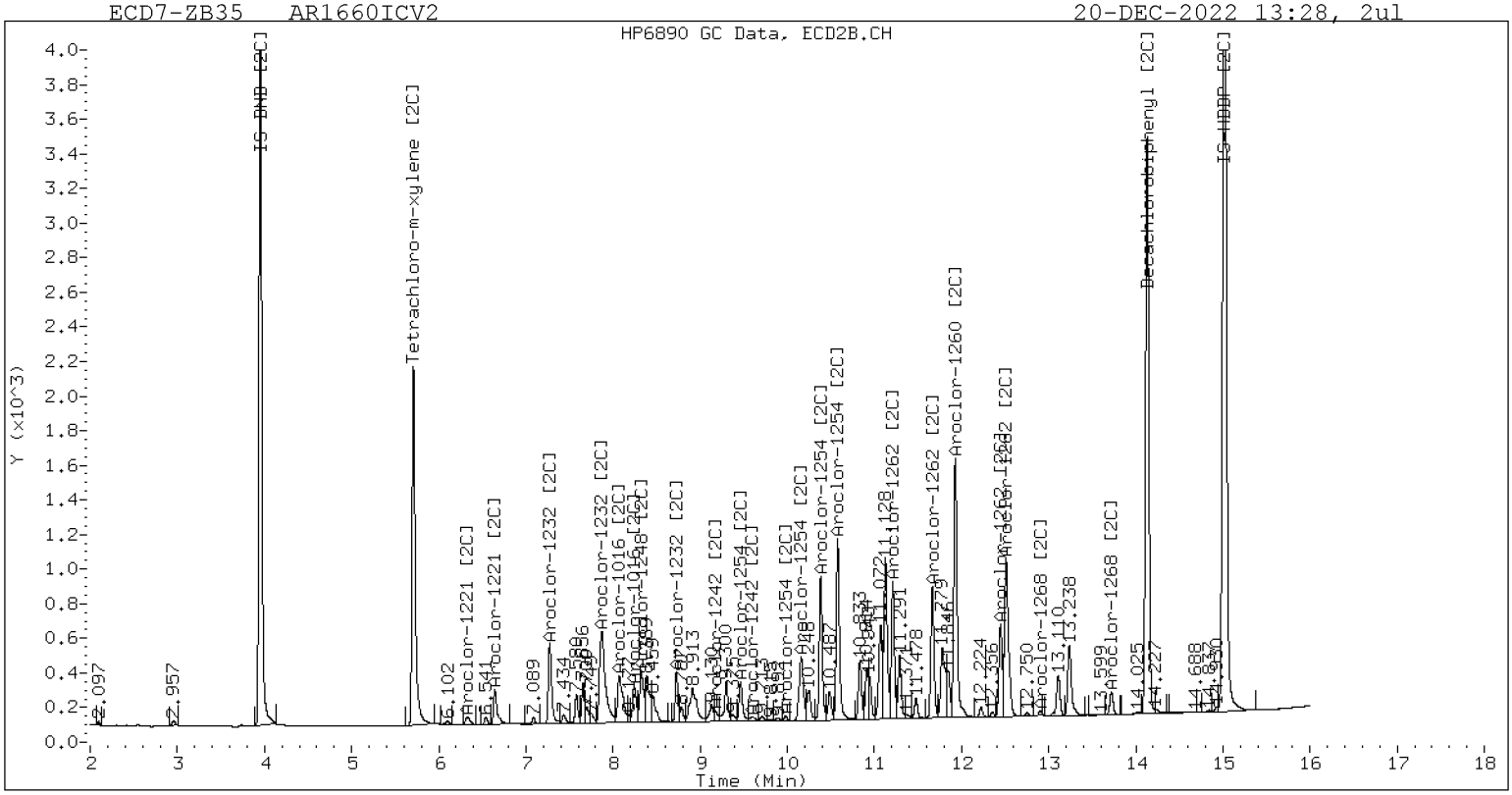
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 20-DEC-2022 13:28, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660ICV2 20-DEC-2022 13:28, 2ul

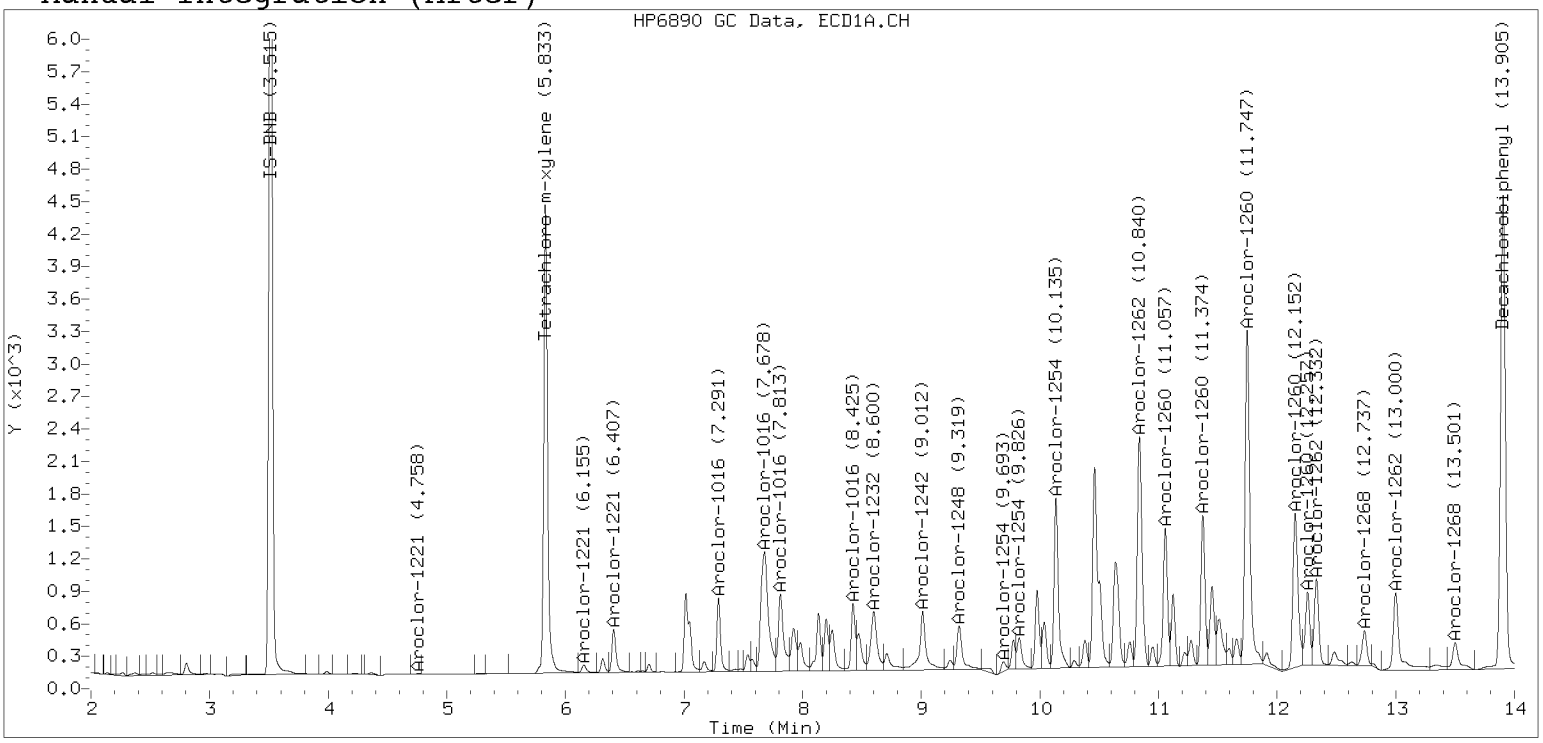


ZB-35 Manual Integration: NO

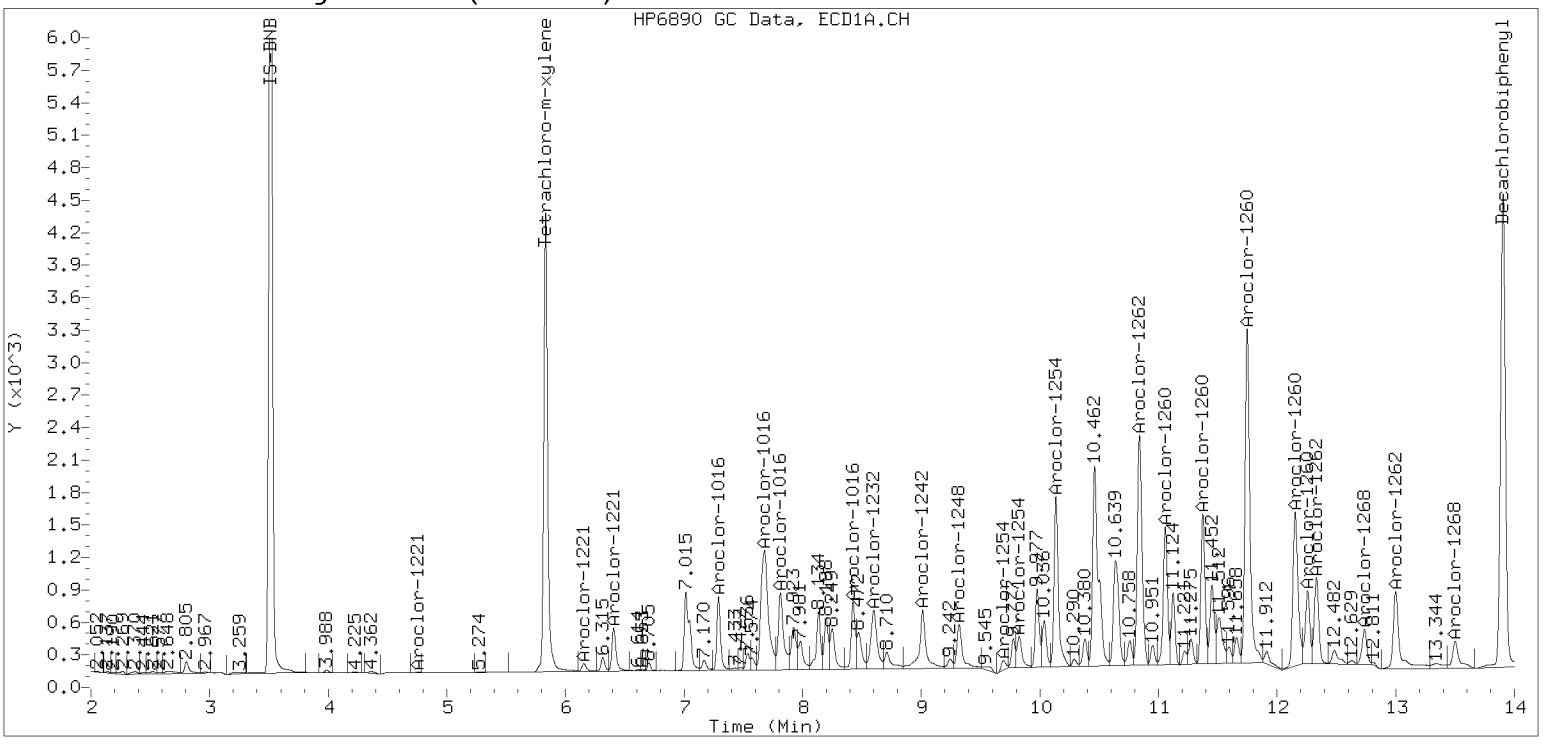
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202203ECD7.D Injection Date: 20-DEC-2022 13:28

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212202ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/21/22
Lab Sample ID:	SKL0319-ICV1	Injection Time:	16:07
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	254	0.0576965	0.0593493		1.6	+/-20
Aroclor-1254 (1)	A	250.00	246	0.0704377	0.0693498			
Aroclor-1254 (2)	A	250.00	256	0.0273935	0.0280897			
Aroclor-1254 (3)	A	250.00	210	0.0444885	0.0373042			
Aroclor-1254 (4)	A	250.00	269	0.0867185	0.0932629			
Aroclor-1254 (5)	A	250.00	289	0.0594444	0.0687400			
Aroclor 1254 [2C]	A	250.00	232	0.0638047	0.0605599		-7.4	+/-20
Aroclor-1254 (1) [2C]	A	250.00	242	0.0515798	0.0499657			
Aroclor-1254 (2) [2C]	A	250.00	157	0.0414689	0.0260018			
Aroclor-1254 (3) [2C]	A	250.00	229	0.0891370	0.0816182			
Aroclor-1254 (4) [2C]	A	250.00	266	0.0923140	0.0981194			
Aroclor-1254 (5) [2C]	A	250.00	264	0.0445236	0.0470944			
Decachlorobiphenyl	A	40.000	45.1	0.7333327	0.8267243		12.8	+/-20
Tetrachlorometaxylene	A	40.000	36.0	1.1336710	1.0192940		-10.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.5	1.1358180	1.1217630		-1.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.6	1.0966080	0.9762019		-11.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212202ECD7.D
Data file 2: /221221.b/221221.b/12212202ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254ICV1
Client ID:
Injection Date: 21-DEC-2022 16:07
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	0.001	226246	5.712	0.002	125768	36.0	35.6	1.0	Tetrachloro-m-xylene
13.905	0.001	287166	14.134	0.002	212412	45.1	39.5	13.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	443927	-0.8
Hexabromobiphenyl	798898	694708	-13.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	257668	3.4
Hexabromobiphenyl	362541	378711	4.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1254	1	9.316	0.001	96207	246.1	1	9.464	0.001	40233	242.2
Aroclor-1254	2	9.393	-0.001	38968	256.4	2	9.982	0.002	20937	156.8
Aroclor-1254	3	9.688	0.001	51751	209.6	3	10.133	0.001	65720	228.9
Aroclor-1254	4	9.821	0.000	129381	268.9	4	10.382	0.002	79007	265.7
Aroclor-1254	5	10.176	0.000	95361	289.1	5	10.579	0.001	37921	264.4
Total Col1Ave (5 peaks):					254.0	Total Col2Ave (5 peaks):				231.6 RPD = 9
Corrected Ave (4 peaks):					245.2	Corrected Ave (4 peaks):				223.1 RPD = 9
CalAmt %D:					1.6	CalAmt %D:				-7.4

Total PCB Area Col1 (5.933 - 13.804) = 1320423 Col1 Total PCB = 0.3 ppm*

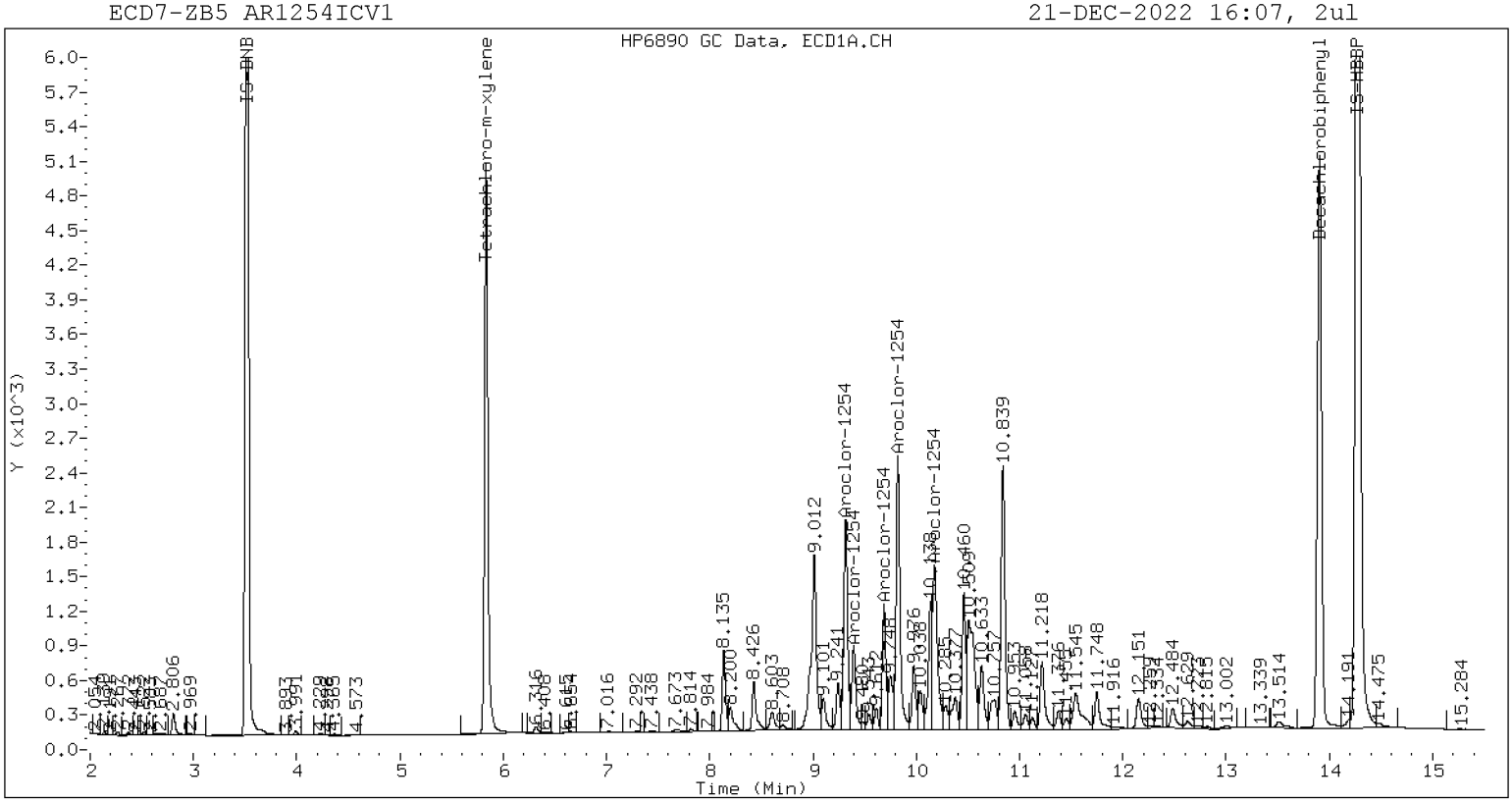
Total PCB Area Col2 (5.810 - 14.032) = 693929 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

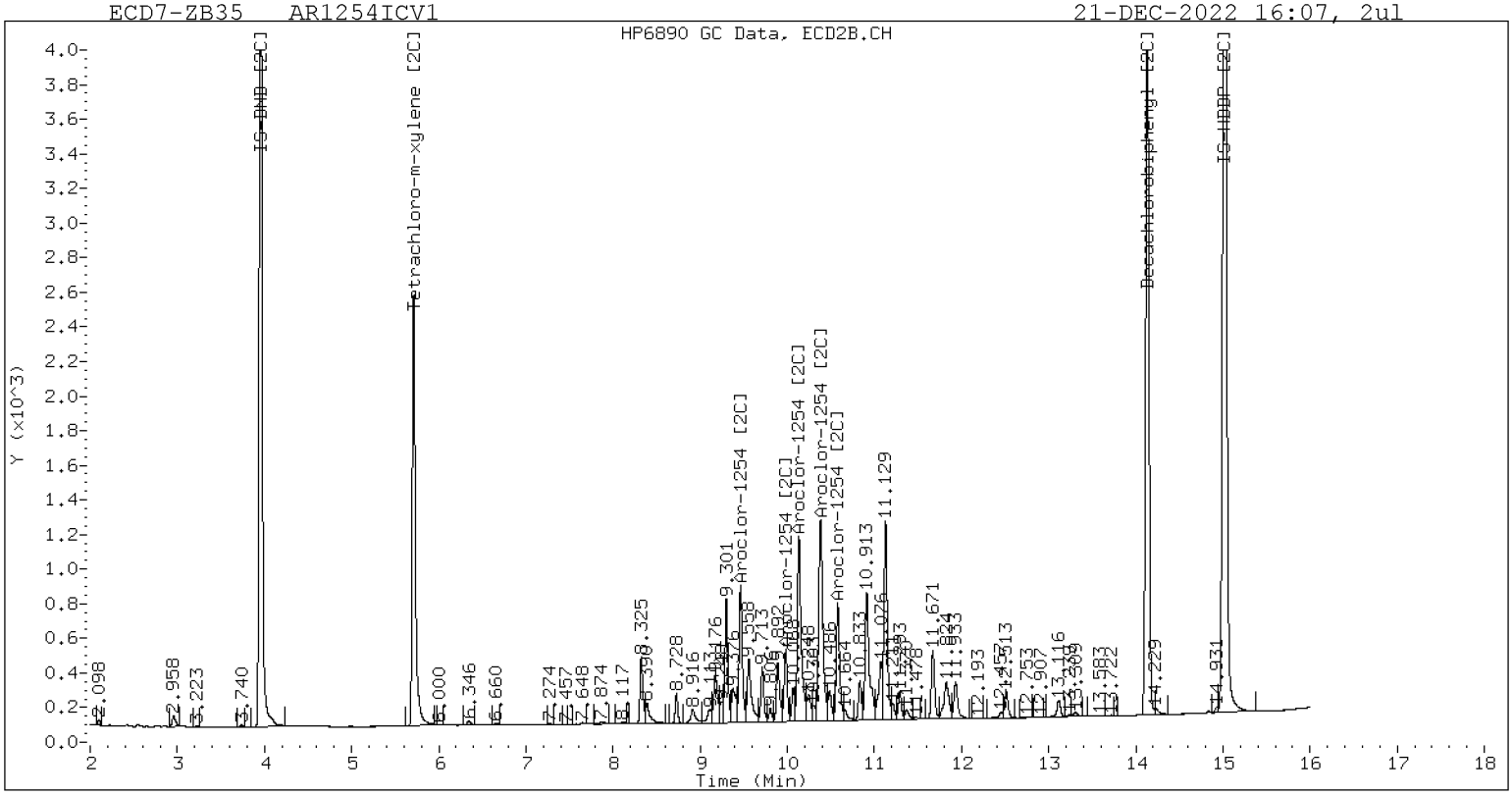
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 21-DEC-2022 16:07, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 21-DEC-2022 16:07, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212203ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/21/22
Lab Sample ID:	SKL0319-ICV2	Injection Time:	16:29
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	257	0.0441939	0.0451514		2.8	+/-20
Aroclor-1016 (1)	A	250.00	258	0.0266860	0.0275597		3.2	
Aroclor-1016 (2)	A	250.00	254	0.0861572	0.0876429		1.6	
Aroclor-1016 (3)	A	250.00	247	0.0390425	0.0385951		-1.2	
Aroclor-1016 (4)	A	250.00	269	0.0248899	0.0268081		7.6	
Aroclor 1016 [2C]	A	250.00	238	0.0467310	0.0430226		-4.7	+/-20
Aroclor-1016 (1) [2C]	A	250.00	246	0.0409030	0.0401813		-1.6	
Aroclor-1016 (2) [2C]	A	250.00	215	0.0882154	0.0759084		-14.0	
Aroclor-1016 (3) [2C]	A	250.00	234	0.0378846	0.0354204		-6.4	
Aroclor-1016 (4) [2C]	A	250.00	258	0.0199212	0.0205804		3.2	
Aroclor 1260	A	250.00	306	0.0390342	0.0472357		22.2	+/-20
Aroclor-1260 (1)	A	250.00	296	0.0291201	0.0344815		18.4	
Aroclor-1260 (2)	A	250.00	297	0.0301181	0.0357912		18.8	
Aroclor-1260 (3)	A	250.00	299	0.0791351	0.0946184		19.6	
Aroclor-1260 (4)	A	250.00	308	0.0403003	0.0496327		23.2	
Aroclor-1260 (5)	A	250.00	328	0.0164974	0.0216546		31.2	
Aroclor 1260 [2C]	A	250.00	222	0.0617619	0.0513657		-11.2	+/-20
Aroclor-1260 (1) [2C]	A	250.00	242	0.0422283	0.0408122		-3.2	
Aroclor-1260 (2) [2C]	A	250.00	183	0.1059643	0.0775952		-26.8	
Aroclor-1260 (3) [2C]	A	250.00	258	0.0282173	0.0291015		3.2	
Aroclor-1260 (4) [2C]	A	250.00	205	0.0706376	0.0579538		-18.0	
Decachlorobiphenyl	A	40.000	45.4	0.7333327	0.8331642		13.5	+/-20
Tetrachlorometaxylene	A	40.000	40.3	1.1336710	1.1415270		0.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.4	1.1358180	1.1191250		-1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.6	1.0966080	1.0577850		-3.5	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212203ECD7.D
Data file 2: /221221.b/221221.b/12212203ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660ICV2
Client ID:
Injection Date: 21-DEC-2022 16:29
Report Date: 12/29/2022 11:09
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.000	208738	5.711	0.000	114218	40.3	38.6	4.3	Tetrachloro-m-xylene
13.904	0.000	269222	14.133	0.000	188957	45.4	39.4	14.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	365717	-18.3
Hexabromobiphenyl	798898	646264	-19.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	215957	-13.3
Hexabromobiphenyl	362541	337687	-6.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	0.000	31497	258.2	1	7.275	0.000	27117	245.6
Aroclor-1016	2	7.675	0.000	100164	254.3	2	7.873	0.000	51228	215.1
Aroclor-1016	3	7.812	0.000	44109	247.1	3	8.072	0.000	23904	233.7
Aroclor-1016	4	8.424	0.000	30638	269.3	4	8.243	0.000	13889	258.3
Total Col1Ave (4 peaks):					257.2	Total Col2Ave (4 peaks):				238.2 RPD = 8
Corrected Ave (3 peaks):					253.2	Corrected Ave (3 peaks):				231.5 RPD = 9
CalAmt %D:					2.9	CalAmt %D:				-4.7
Aroclor-1260	1	11.057	0.000	69638	296.0	1	11.667	0.000	43068	241.6
Aroclor-1260	2	11.373	0.000	72283	297.1	2	11.929	0.000	81884	183.1
Aroclor-1260	3	11.745	0.000	191089	298.9	3	12.449	0.000	30710	257.8
Aroclor-1260	4	12.149	0.000	100237	307.9	4	12.512	0.000	61157	205.1
Aroclor-1260	5	12.256	0.000	43733	328.2	NS	---			----
Total Col1Ave (5 peaks):					305.6	Total Col2Ave (4 peaks):				221.9 RPD = 32
Corrected Ave (4 peaks):					300.0	Corrected Ave (3 peaks):				209.9 RPD = 35
CalAmt %D:					22.2	CalAmt %D:				-11.2

Total PCB Area Col1 (5.934 - 13.804) = 1957911 Col1 Total PCB = 0.6 ppm*

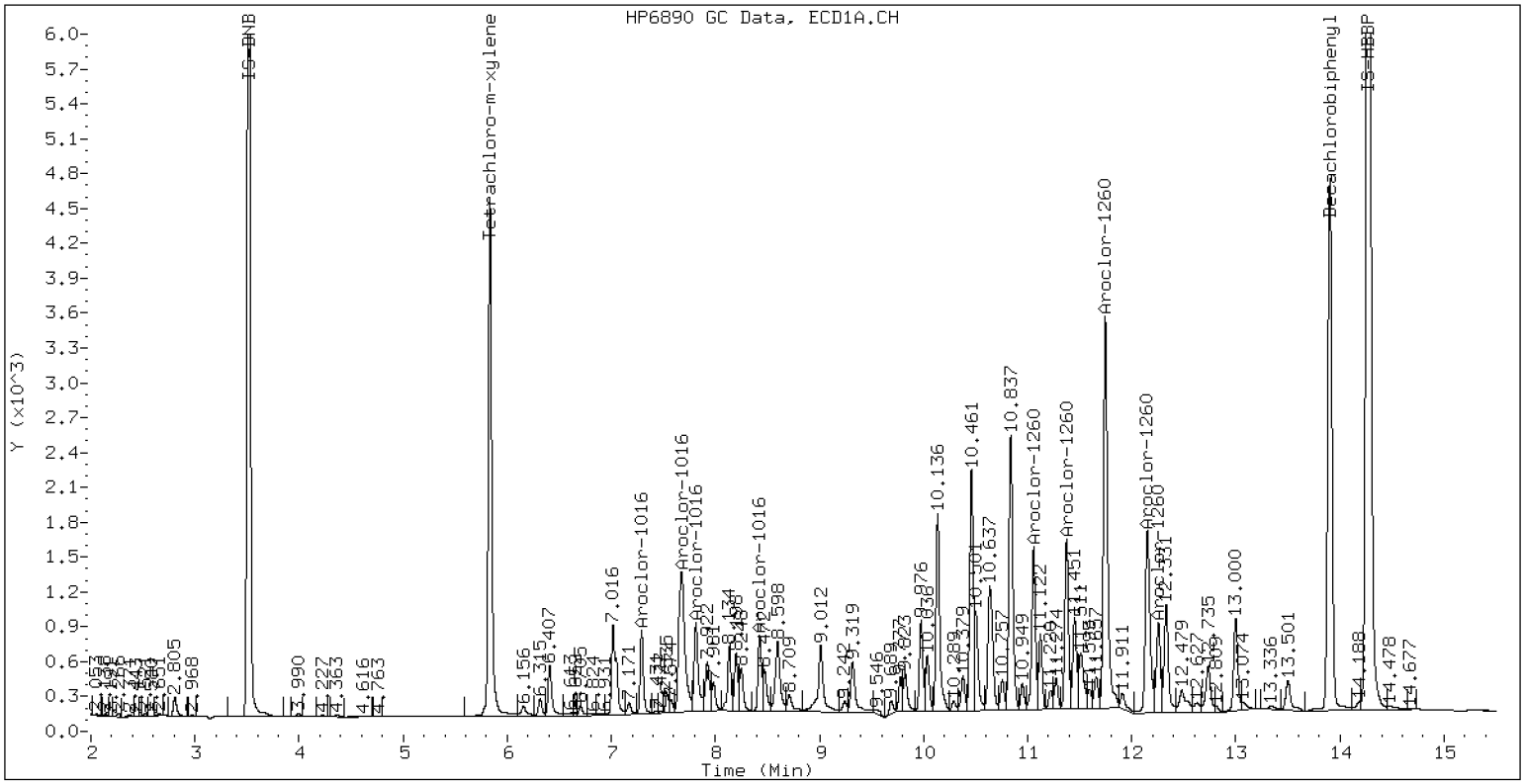
Total PCB Area Col2 (5.811 - 14.033) = 970243 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

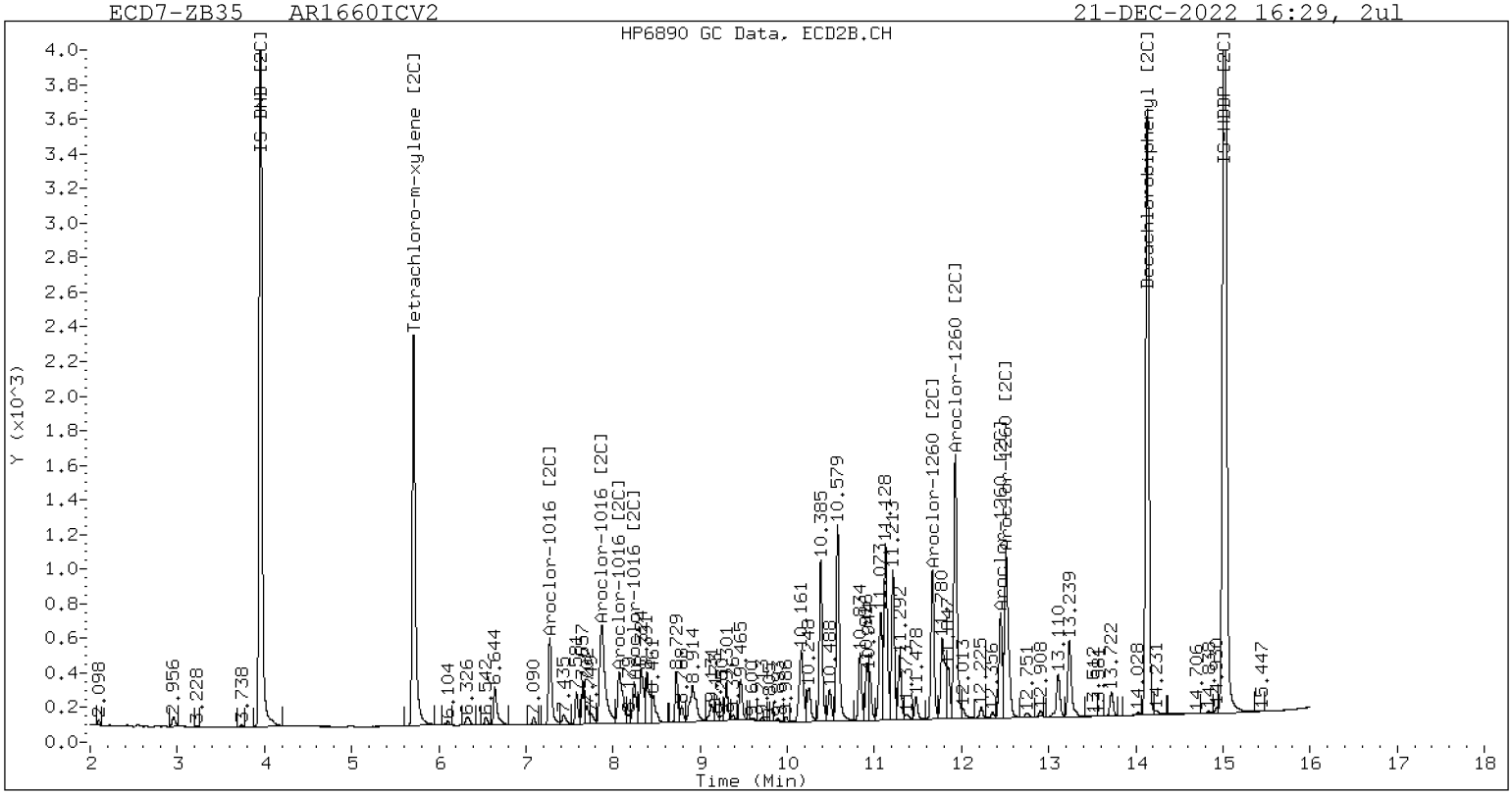
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 21-DEC-2022 16:29, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660ICV2 21-DEC-2022 16:29, 2ul

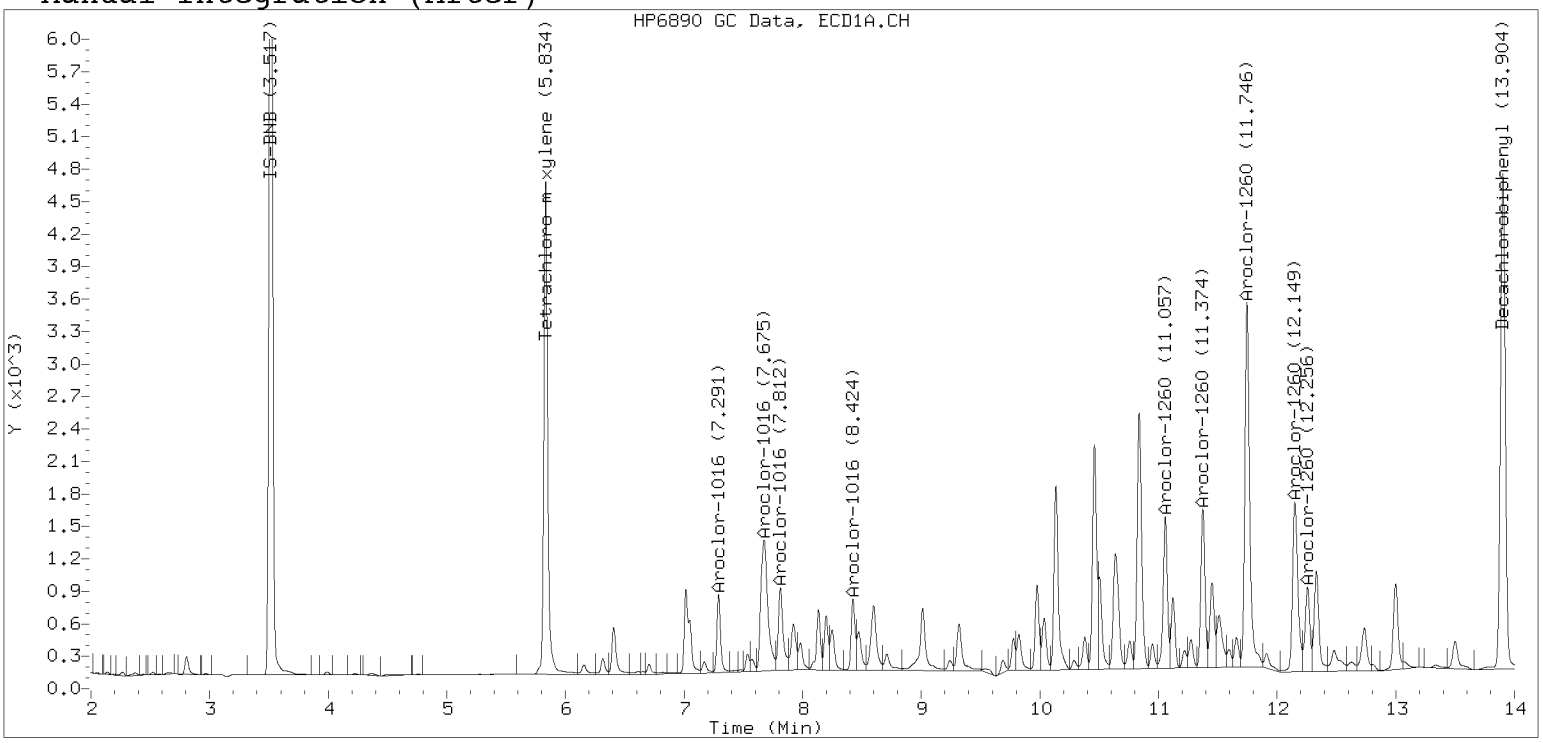


ZB-35 Manual Integration: NO

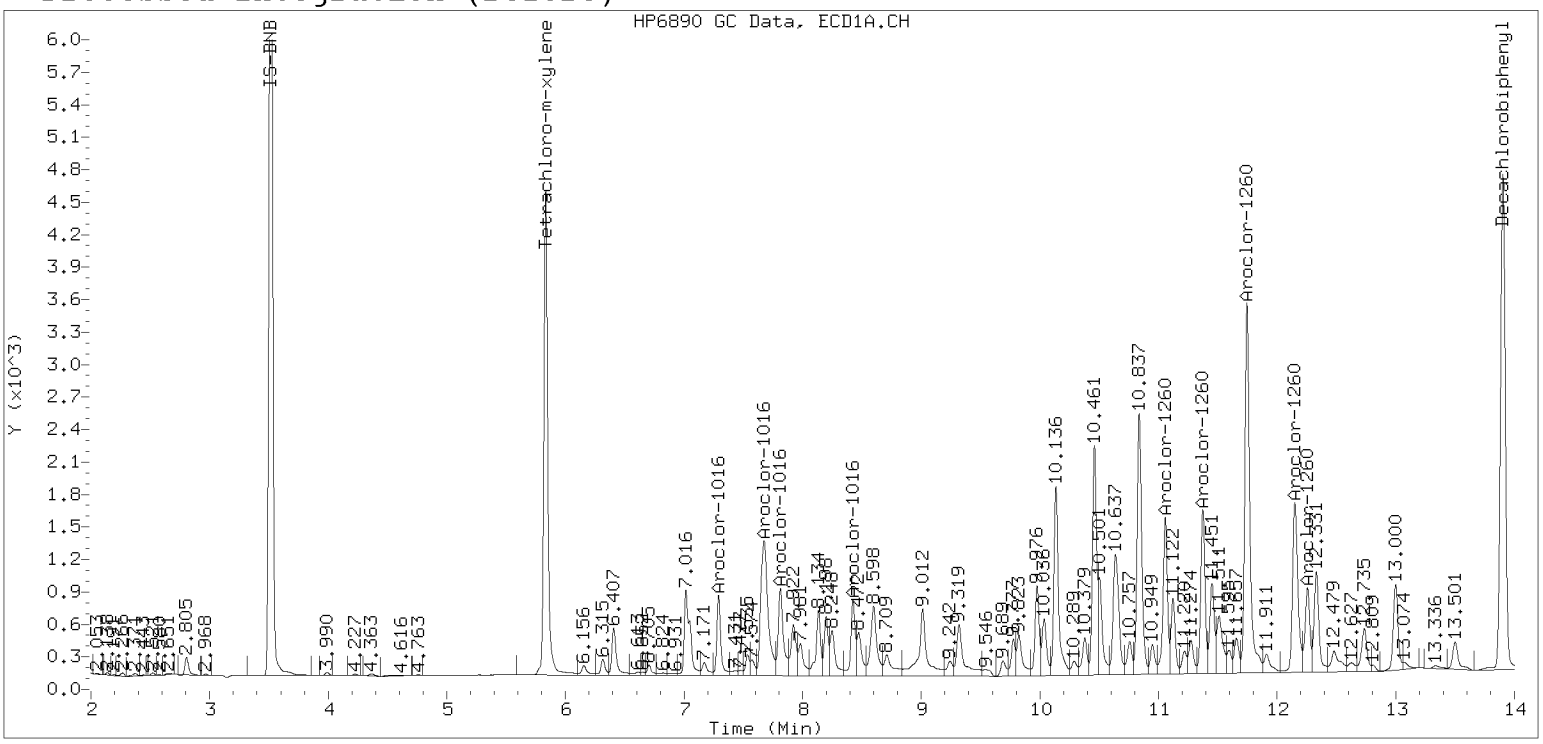
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212203ECD7.D Injection Date: 21-DEC-2022 16:29

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222202ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/22/22
Lab Sample ID:	SKL0330-ICV1	Injection Time:	16:12
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	258	0.0576965	0.0602167		3.4	+/-20
Aroclor-1254 (1)	A	250.00	247	0.0704377	0.0696755			
Aroclor-1254 (2)	A	250.00	268	0.0273935	0.0293918			
Aroclor-1254 (3)	A	250.00	220	0.0444885	0.0391595			
Aroclor-1254 (4)	A	250.00	277	0.0867185	0.0962386			
Aroclor-1254 (5)	A	250.00	280	0.0594444	0.0666182			
Aroclor 1254 [2C]	A	250.00	235	0.0638047	0.0616376		-6.1	+/-20
Aroclor-1254 (1) [2C]	A	250.00	246	0.0515798	0.0508273			
Aroclor-1254 (2) [2C]	A	250.00	150	0.0414689	0.0249357			
Aroclor-1254 (3) [2C]	A	250.00	232	0.0891370	0.0826443			
Aroclor-1254 (4) [2C]	A	250.00	275	0.0923140	0.1014584			
Aroclor-1254 (5) [2C]	A	250.00	271	0.0445236	0.0483223			
Decachlorobiphenyl	A	40.000	45.6	0.7333327	0.8355907		14.0	+/-20
Tetrachlorometaxylene	A	40.000	35.1	1.1336710	0.9959703		-12.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1351310		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.7	1.0966080	0.9798352		-10.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222202ECD7.D
Data file 2: /221222.b/221222.b/12222202ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254ICV1
Client ID:
Injection Date: 22-DEC-2022 16:12
Report Date: 12/27/2022 16:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.001	218860	5.709	-0.005	120725	35.1	35.7	1.7	Tetrachloro-m-xylene
13.906	0.002	292740	14.133	-0.004	203407	45.6	40.0	13.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	439491	-1.8
Hexabromobiphenyl	798898	700678	-12.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	246419	-1.1
Hexabromobiphenyl	362541	358385	-1.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.314	-0.007	95693	247.3	1	9.462	-0.005	39140	246.4
Aroclor-1254	2	9.394	-0.008	40367	268.2	2	9.980	-0.006	19202	150.3
Aroclor-1254	3	9.687	-0.008	53782	220.1	3	10.131	-0.008	63641	231.8
Aroclor-1254	4	9.821	-0.010	132175	277.4	4	10.379	-0.010	78129	274.8
Aroclor-1254	5	10.176	-0.013	91494	280.2	5	10.578	-0.008	37211	271.3
Total Col1Ave (5 peaks):					258.6	Total Col2Ave (5 peaks):				234.9 RPD = 10
Corrected Ave (4 peaks):					253.3	Corrected Ave (4 peaks):				224.9 RPD = 12
CalAmt %D:					3.5	CalAmt %D:				-6.0

Total PCB Area Col1 (5.933 - 13.804) = 1359306 Col1 Total PCB = 0.3 ppm*

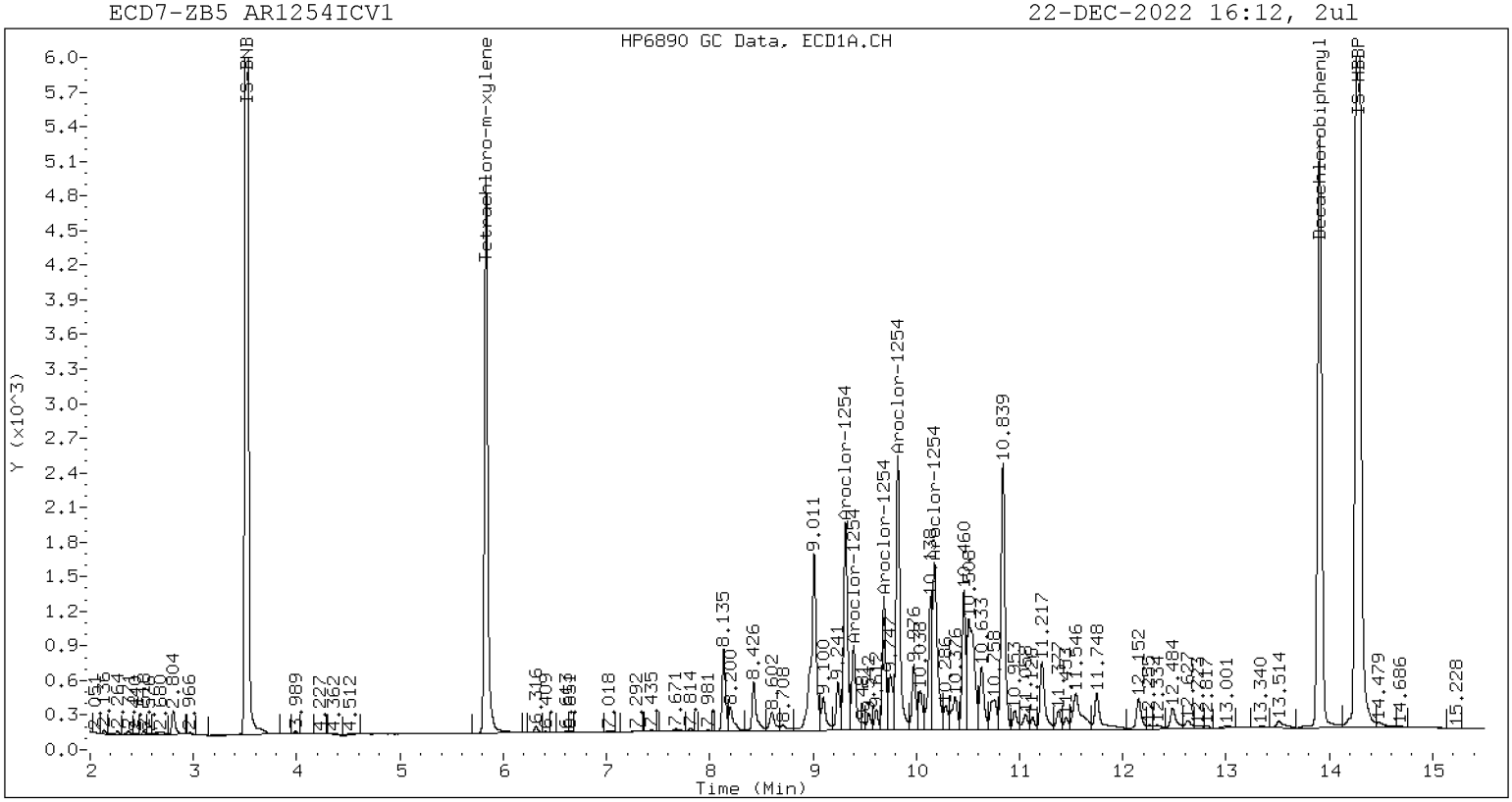
Total PCB Area Col2 (5.813 - 14.037) = 674059 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

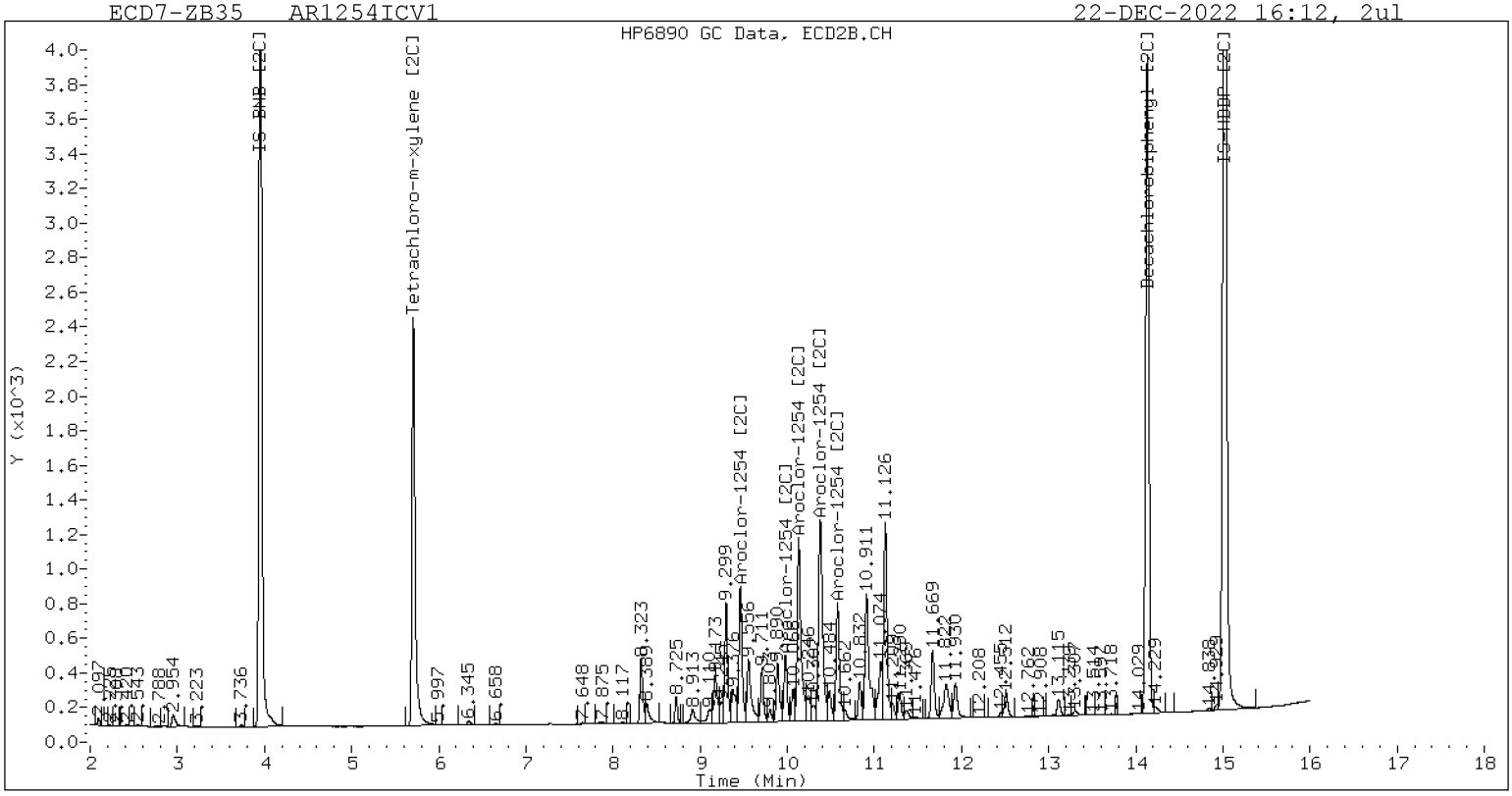
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 22-DEC-2022 16:12, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 22-DEC-2022 16:12, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222203ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/22/22
Lab Sample ID:	SKL0330-ICV2	Injection Time:	16:34
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0478115		9.2	+/-20
Aroclor-1016 (1)	A	250.00	267	0.0266860	0.0284984		6.8	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919374		6.8	
Aroclor-1016 (3)	A	250.00	269	0.0390425	0.0419957		7.6	
Aroclor-1016 (4)	A	250.00	289	0.0248899	0.0288144		15.6	
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0441543		-2.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	252	0.0409030	0.0412474		0.8	
Aroclor-1016 (2) [2C]	A	250.00	219	0.0882154	0.0773747		-12.4	
Aroclor-1016 (3) [2C]	A	250.00	242	0.0378846	0.0367478		-3.2	
Aroclor-1016 (4) [2C]	A	250.00	267	0.0199212	0.0212474		6.8	
Aroclor 1260	A	250.00	282	0.0390342	0.0442742		12.8	+/-20
Aroclor-1260 (1)	A	250.00	285	0.0291201	0.0331942		14.0	
Aroclor-1260 (2)	A	250.00	288	0.0301181	0.0347251		15.2	
Aroclor-1260 (3)	A	250.00	287	0.0791351	0.0909168		14.8	
Aroclor-1260 (4)	A	250.00	275	0.0403003	0.0443725		10.0	
Aroclor-1260 (5)	A	250.00	275	0.0164974	0.0181622		10.0	
Aroclor 1260 [2C]	A	250.00	222	0.0617619	0.0509317		-11.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	248	0.0422283	0.0418207		-0.8	
Aroclor-1260 (2) [2C]	A	250.00	179	0.1059643	0.0759849		-28.4	
Aroclor-1260 (3) [2C]	A	250.00	259	0.0282173	0.0292289		3.6	
Aroclor-1260 (4) [2C]	A	250.00	201	0.0706376	0.0566922		-19.6	
Decachlorobiphenyl	A	40.000	45.0	0.7333327	0.8258038		12.5	+/-20
Tetrachlorometaxylene	A	40.000	40.6	1.1336710	1.1522320		1.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.8	1.1358180	1.1300790		-0.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.8	1.0966080	1.0909550		-0.5	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222203ECD7.D
Data file 2: /221222.b/221222.b/12222203ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660ICV2
Client ID:
Injection Date: 22-DEC-2022 16:34
Report Date: 12/27/2022 16:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.001	199486	5.711	-0.003	108310	40.7	39.8	2.1	Tetrachloro-m-xylene
13.907	0.003	274024	14.132	-0.005	182193	45.0	39.8	12.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	346260	-22.6
Hexabromobiphenyl	798898	663654	-16.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	198560	-20.3
Hexabromobiphenyl	362541	322443	-11.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.001	30837	267.0	1	7.274	-0.002	25594	252.1
Aroclor-1016	2	7.674	-0.001	99482	266.8	2	7.872	0.002	48011	219.3
Aroclor-1016	3	7.813	0.003	45442	268.9	3	8.070	0.000	22802	242.5
Aroclor-1016	4	8.423	0.000	31179	289.4	4	8.242	0.001	13184	266.6
Total Col1Ave (4 peaks):					273.0	Total Col2Ave (4 peaks):				245.1 RPD = 11
Corrected Ave (3 peaks):					267.6	Corrected Ave (3 peaks):				238.0 RPD = 12
CalAmt %D:					9.2	CalAmt %D:				-1.9
Aroclor-1260	1	11.057	0.001	68842	285.0	1	11.665	-0.004	42140	247.6
Aroclor-1260	2	11.374	0.001	72017	288.2	2	11.928	-0.005	76565	179.3
Aroclor-1260	3	11.748	0.001	188554	287.2	3	12.448	-0.004	29452	259.0
Aroclor-1260	4	12.149	0.001	92025	275.3	4	12.510	-0.006	57125	200.6
Aroclor-1260	5	12.257	-0.001	37667	275.2	NS	---			----
Total Col1Ave (5 peaks):					282.2	Total Col2Ave (4 peaks):				221.6 RPD = 24
Corrected Ave (4 peaks):					280.7	Corrected Ave (3 peaks):				209.2 RPD = 29
CalAmt %D:					12.9	CalAmt %D:				-11.4

Total PCB Area Col1 (5.933 - 13.804) = 1886658 Col1 Total PCB = 0.6 ppm*

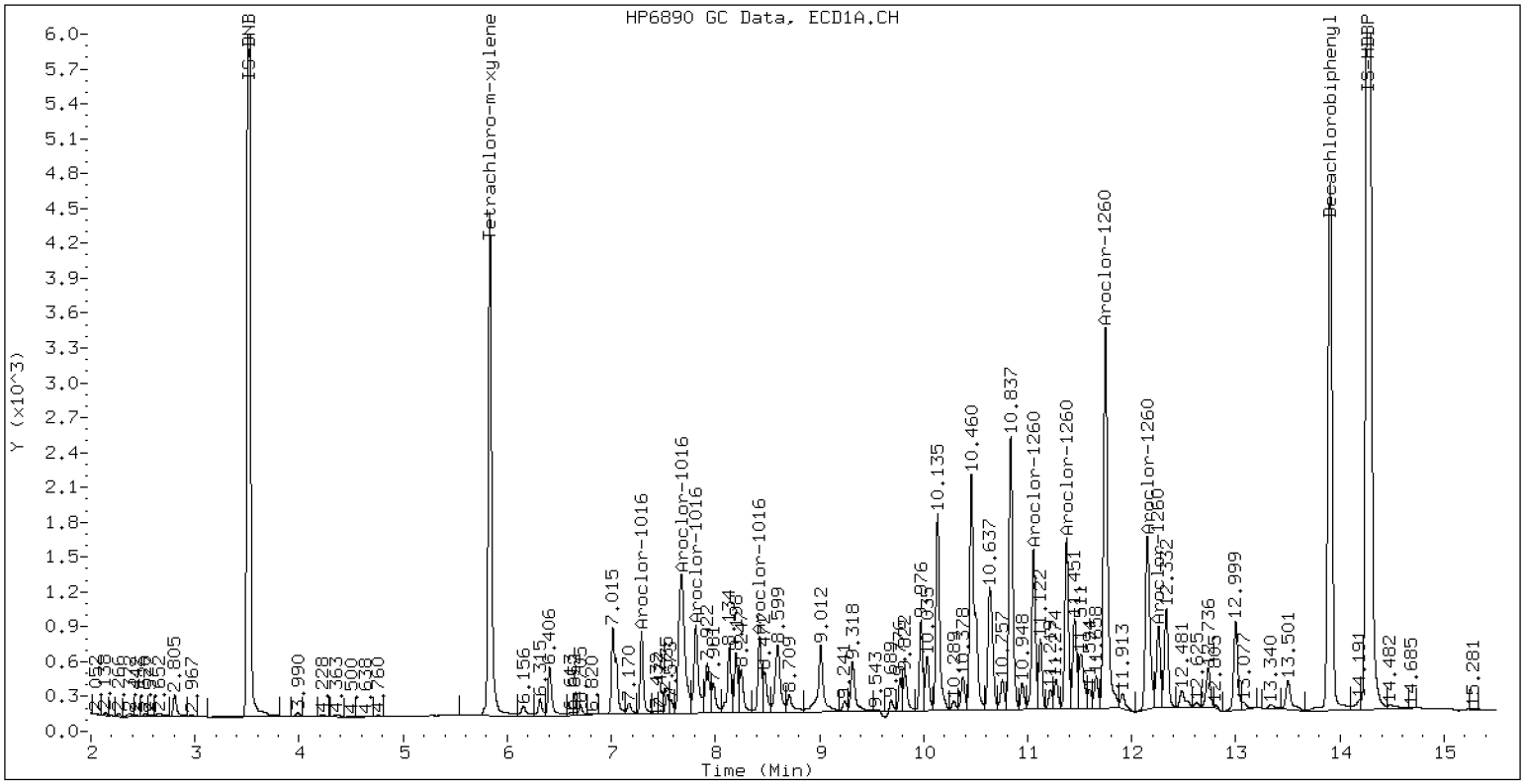
Total PCB Area Col2 (5.813 - 14.037) = 935725 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

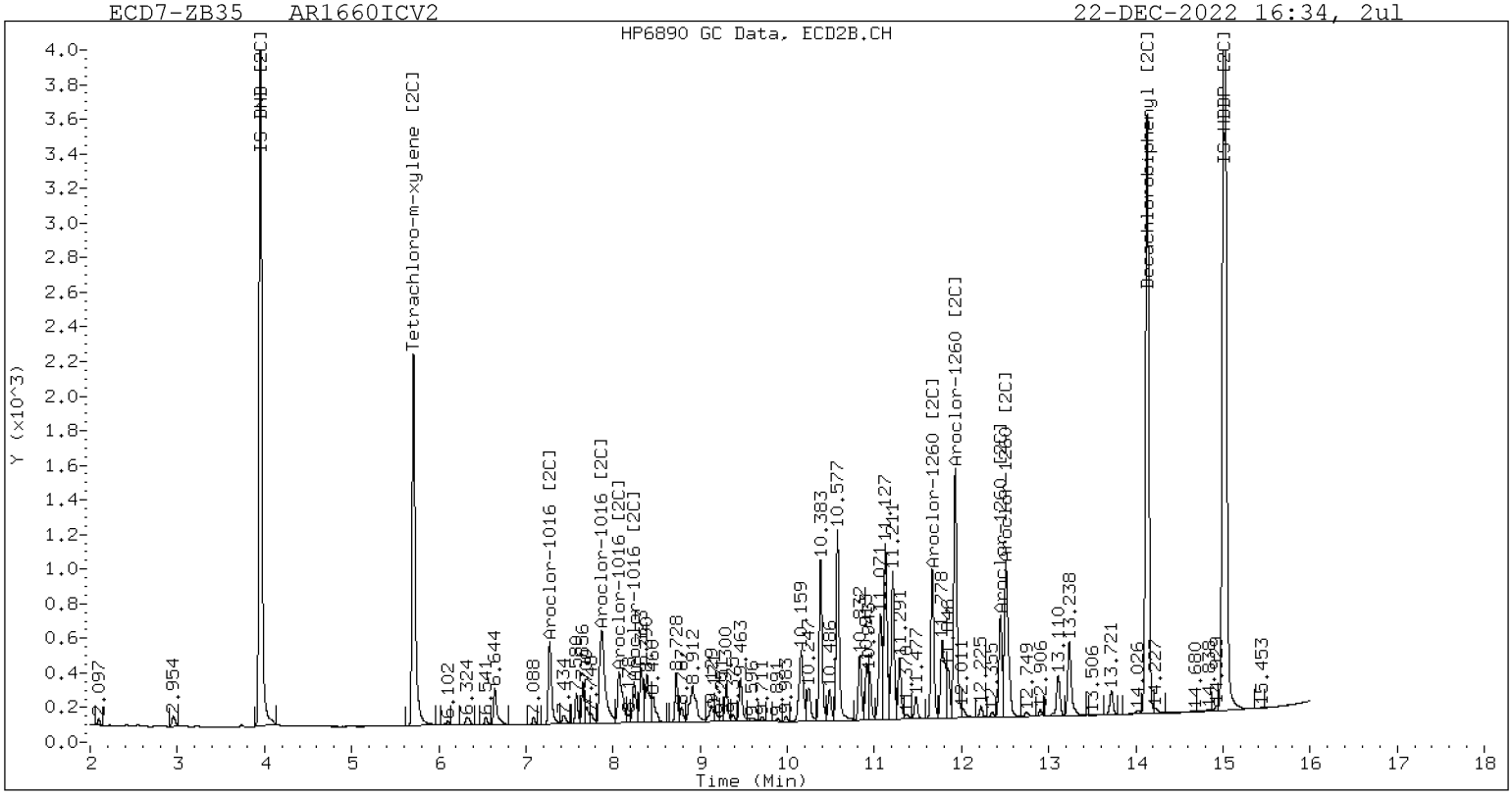
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 22-DEC-2022 16:34, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660ICV2 22-DEC-2022 16:34, 2ul

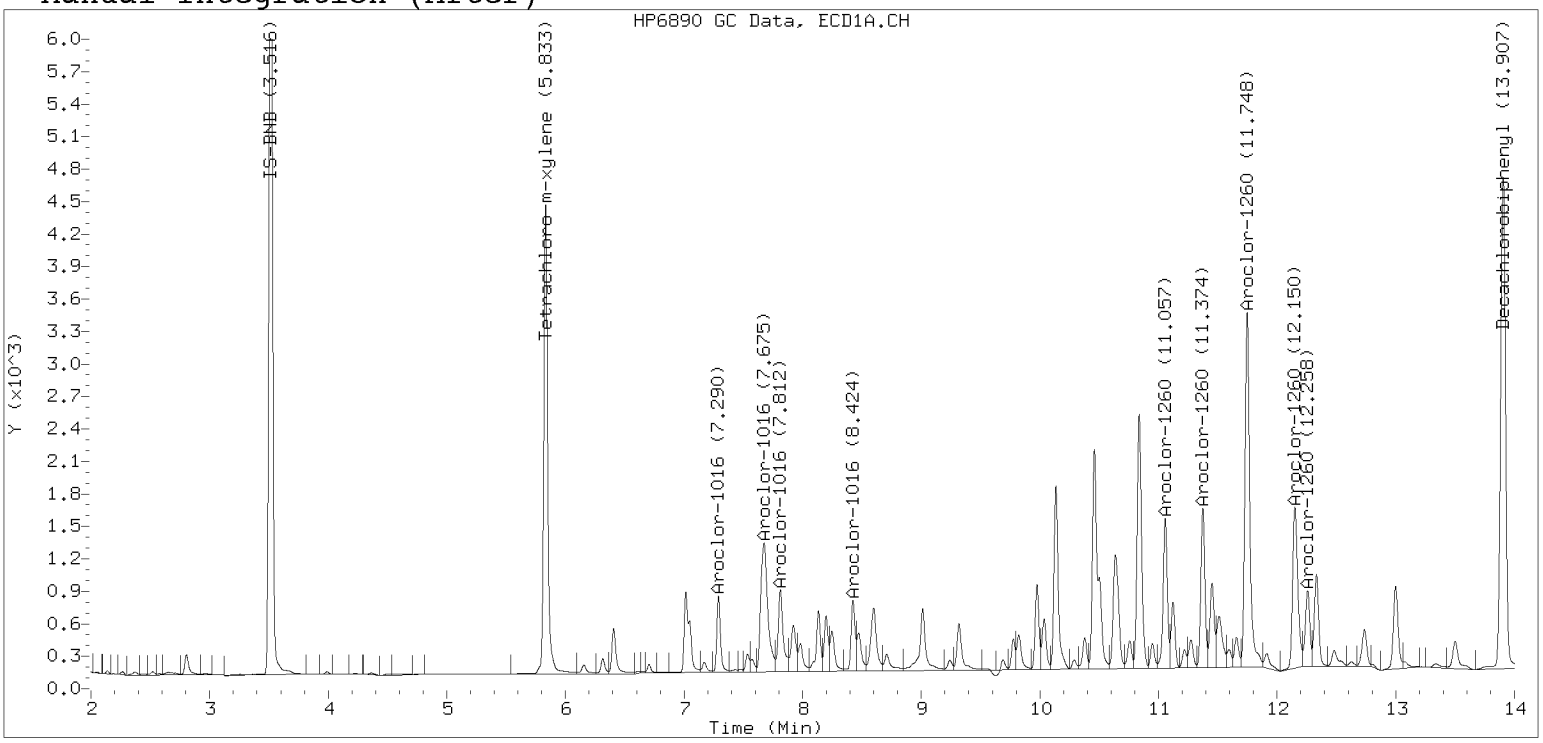


ZB-35 Manual Integration: NO

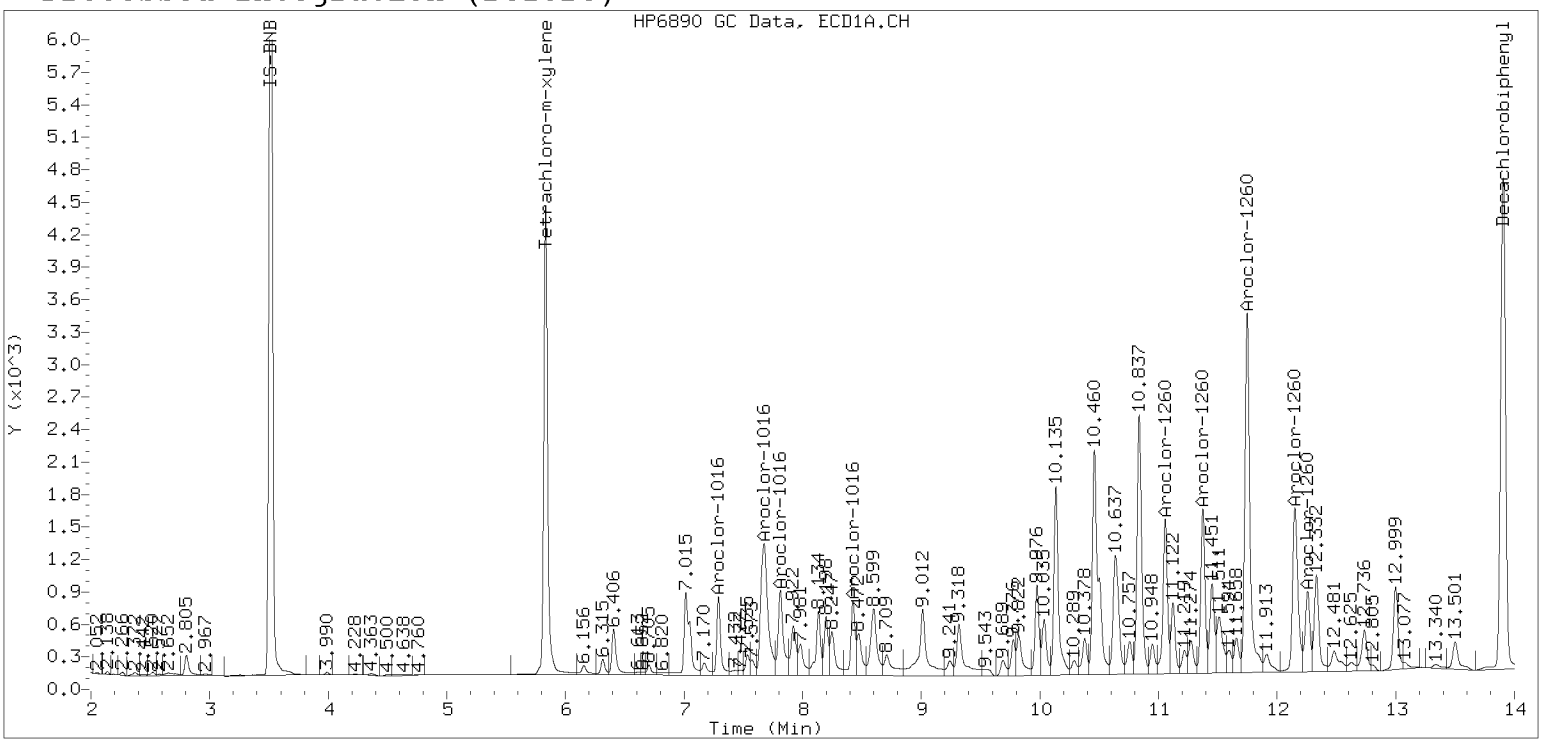
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222203ECD7.D Injection Date: 22-DEC-2022 16:34

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032222ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV1	Injection Time:	22:13
Sequence Name:	AR1660SCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	223	0.0441939	0.0392295		-10.7	+/-20
Aroclor 1016 [2C]	A	250.00	216	0.0467310	0.0403426		-13.5	+/-20
Aroclor 1260	A	250.00	285	0.0390342	0.0441447		14.1	+/-20
Aroclor 1260 [2C]	A	250.00	263	0.0617619	0.0651122		5.1	+/-20
Decachlorobiphenyl	A	40.000	39.8	0.7333327	0.7297174		-0.5	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0237520		-9.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.2	1.1358180	1.0840850		-4.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.1	1.0966080	0.9886519		-9.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D
Data file 2: /221203.b/221203.b/12032222ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660SCV1
Client ID:
Injection Date: 03-DEC-2022 22:13
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	247495	5.714	0.000	133904	36.1	36.1	0.2	Tetrachloro-m-xylene
13.909	0.001	325466	14.137	0.000	234467	39.8	38.2	4.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483506	8.0
Hexabromobiphenyl	798898	892033	11.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270882	8.7
Hexabromobiphenyl	362541	432562	19.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	0.001	36100	223.8	1	7.277	0.002	30155	217.7
Aroclor-1016	2	7.681	0.007	113995	218.9	2	7.875	0.004	64468	215.8
Aroclor-1016	3	7.815	0.004	53043	224.8	3	8.074	0.004	27130	211.5
Aroclor-1016	4	8.428	0.004	33958	225.7	4	8.245	0.004	14848	220.1
Total Col1Ave (4 peaks):					223.3	Total Col2Ave (4 peaks):				216.3 RPD = 3
Corrected Ave (3 peaks):					222.5	Corrected Ave (3 peaks):				215.0 RPD = 3
Aroclor-1260	1	11.063	0.001	93173	286.9	1	11.671	0.002	56796	248.7
Aroclor-1260	2	11.380	0.003	95530	284.5	2	11.935	0.002	153247	267.5
Aroclor-1260	3	11.754	0.004	250548	283.9	3	12.452	0.001	41316	270.8
Aroclor-1260	4	12.159	0.005	120399	267.9	4	12.519	0.003	100704	263.7
Aroclor-1260	5	12.263	0.003	55639	302.5	NS	---			----
Total Col1Ave (5 peaks):					285.1	Total Col2Ave (4 peaks):				262.7 RPD = 8
Corrected Ave (4 peaks):					280.8	Corrected Ave (3 peaks):				260.0 RPD = 8

Total PCB Area Col1 (5.936 - 13.808) = 2318083 Col1 Total PCB = 0.4 ppm*

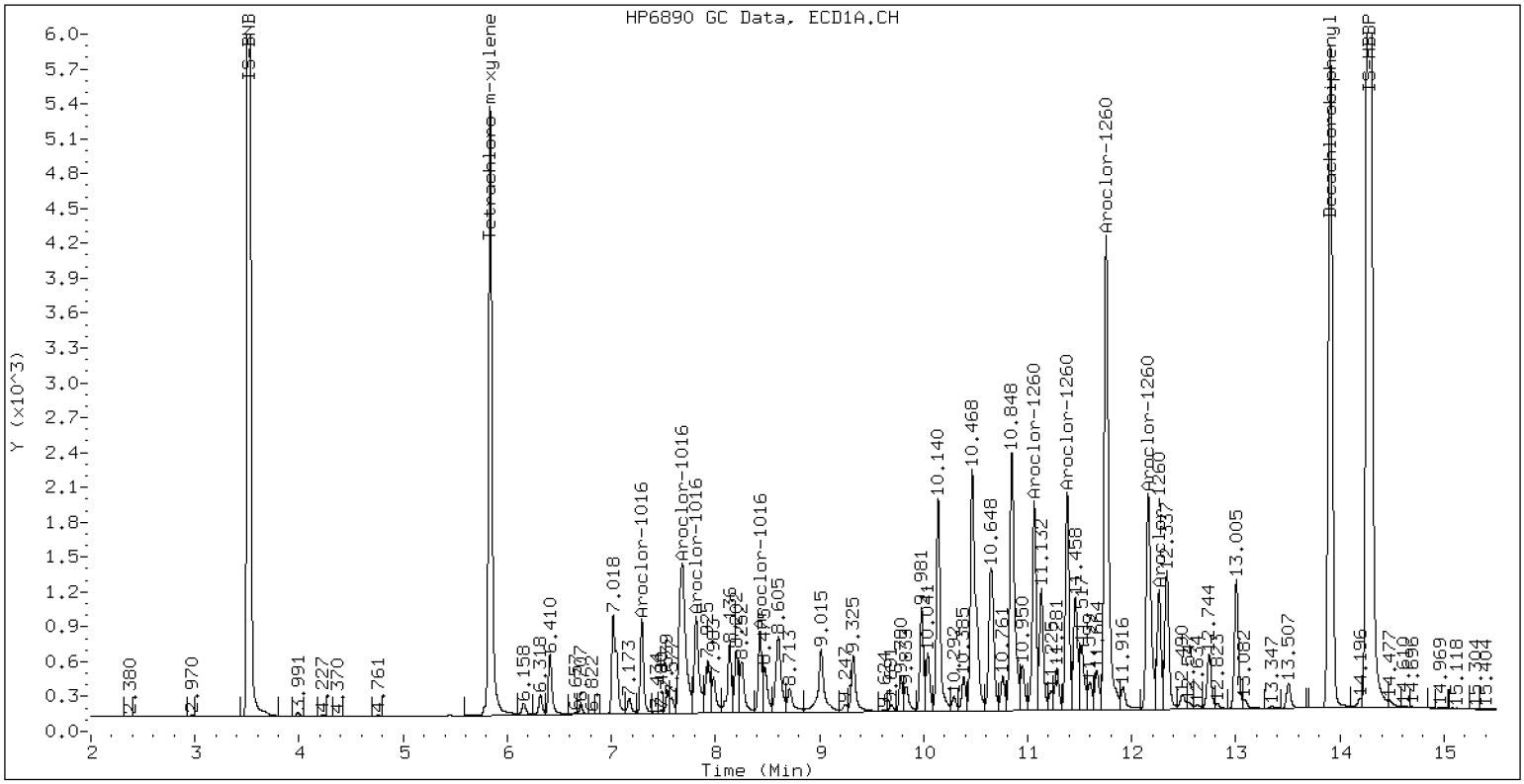
Total PCB Area Col2 (5.936 - 13.808) = 1275603 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

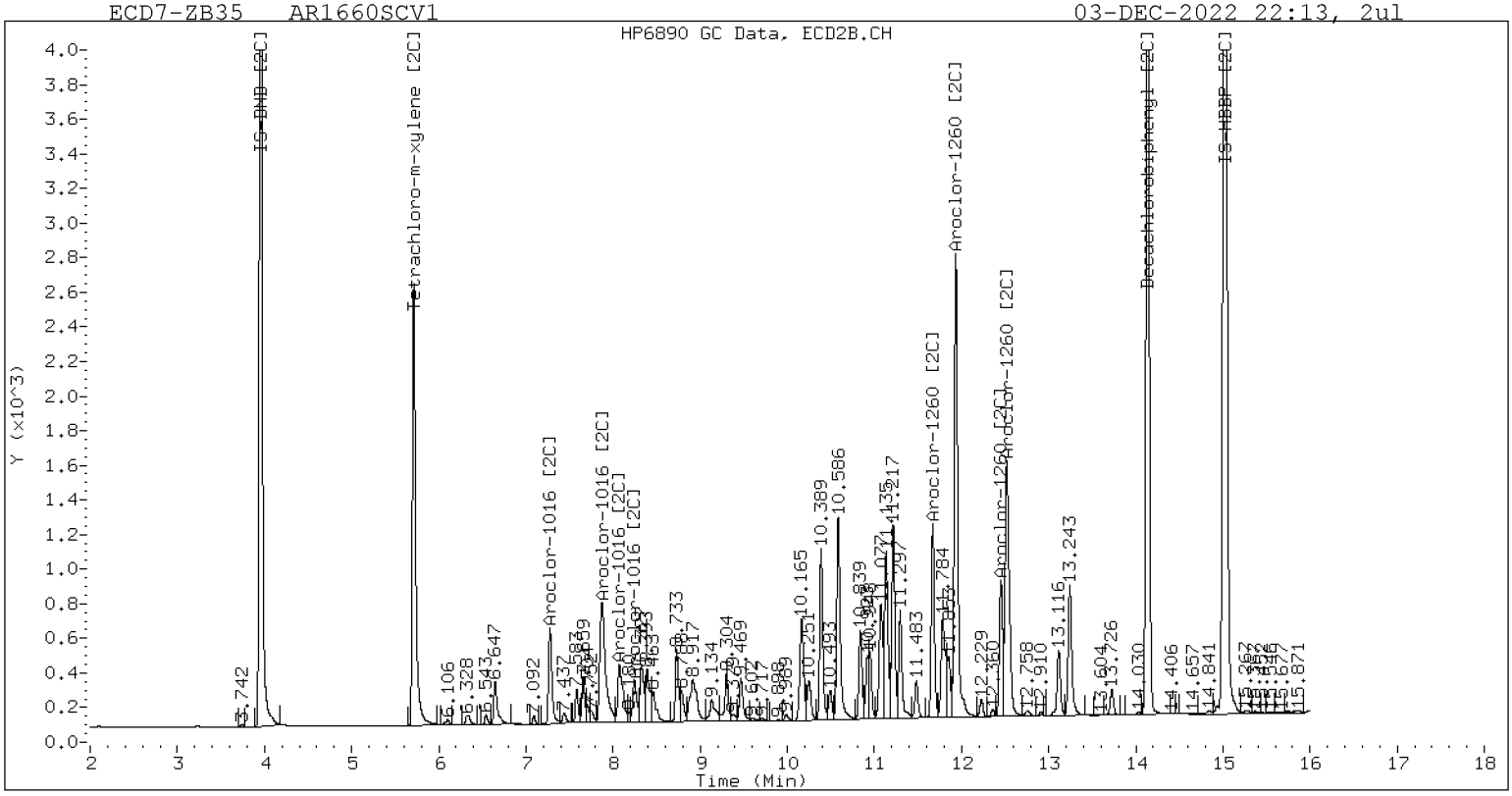
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032223ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV2	Injection Time:	22:34
Sequence Name:	AR1242SCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	207	0.0396000	0.0328545		-17.3	+/-20
Aroclor 1242 [2C]	A	250.00	225	0.0391981	0.0342776		-10.0	+/-20
Decachlorobiphenyl	A	40.000	39.1	0.7333327	0.7176455		-2.1	+/-20
Tetrachlorometaxylene	A	40.000	35.6	1.1336710	1.0081550		-11.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.0	1.1358180	1.0793200		-5.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.8	1.0966080	0.9816931		-10.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032223ECD7.D
Data file 2: /221203.b/221203.b/12032223ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242SCV2
Client ID:
Injection Date: 03-DEC-2022 22:34
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	242356	5.713	-0.001	132586	35.6	35.8	0.7	Tetrachloro-m-xylene
13.909	0.001	321690	14.136	-0.001	228130	39.1	38.0	2.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	480791	7.4
Hexabromobiphenyl	798898	896515	12.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270117	8.4
Hexabromobiphenyl	362541	422729	16.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.294	0.000	26316	193.1	1	7.277	-0.001	23973	209.7
Aroclor-1242	2	7.677	-0.003	89703	207.3	2	7.873	-0.002	50204	206.9
Aroclor-1242	3	8.427	0.000	26786	215.2	3	9.176	-0.002	19686	251.4
Aroclor-1242	4	9.025	-0.005	54647	211.4	4	9.599	-0.006	21874	232.4
Total Col1Ave (4 peaks):					206.7	Total Col2Ave (4 peaks):				225.1 RPD = 9
Corrected Ave (3 peaks):					203.9	Corrected Ave (3 peaks):				216.3 RPD = 6

Total PCB Area Col1 (5.936 - 13.808) = 731052 Col1 Total PCB = 0.1 ppm*

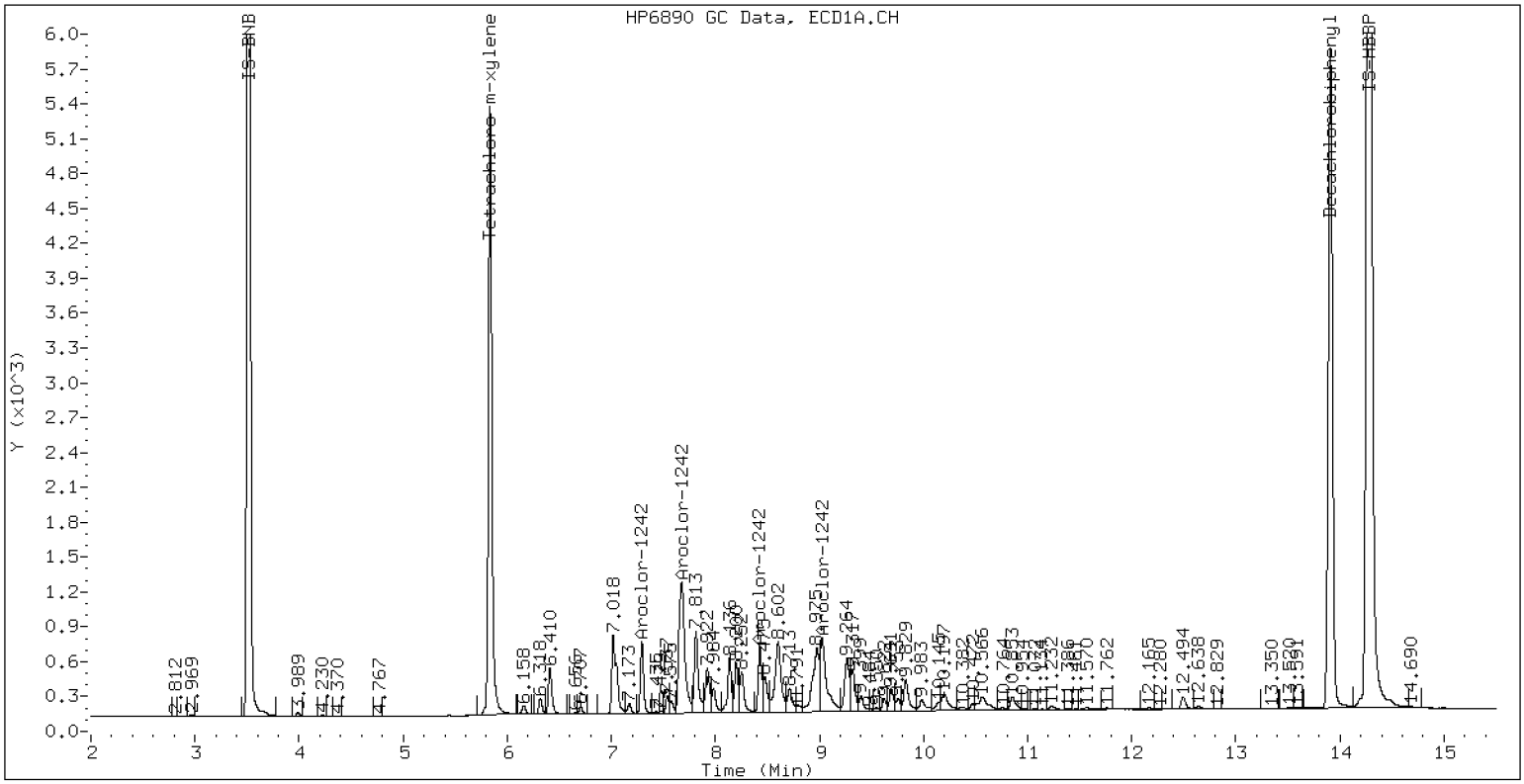
Total PCB Area Col2 (5.936 - 13.808) = 398143 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

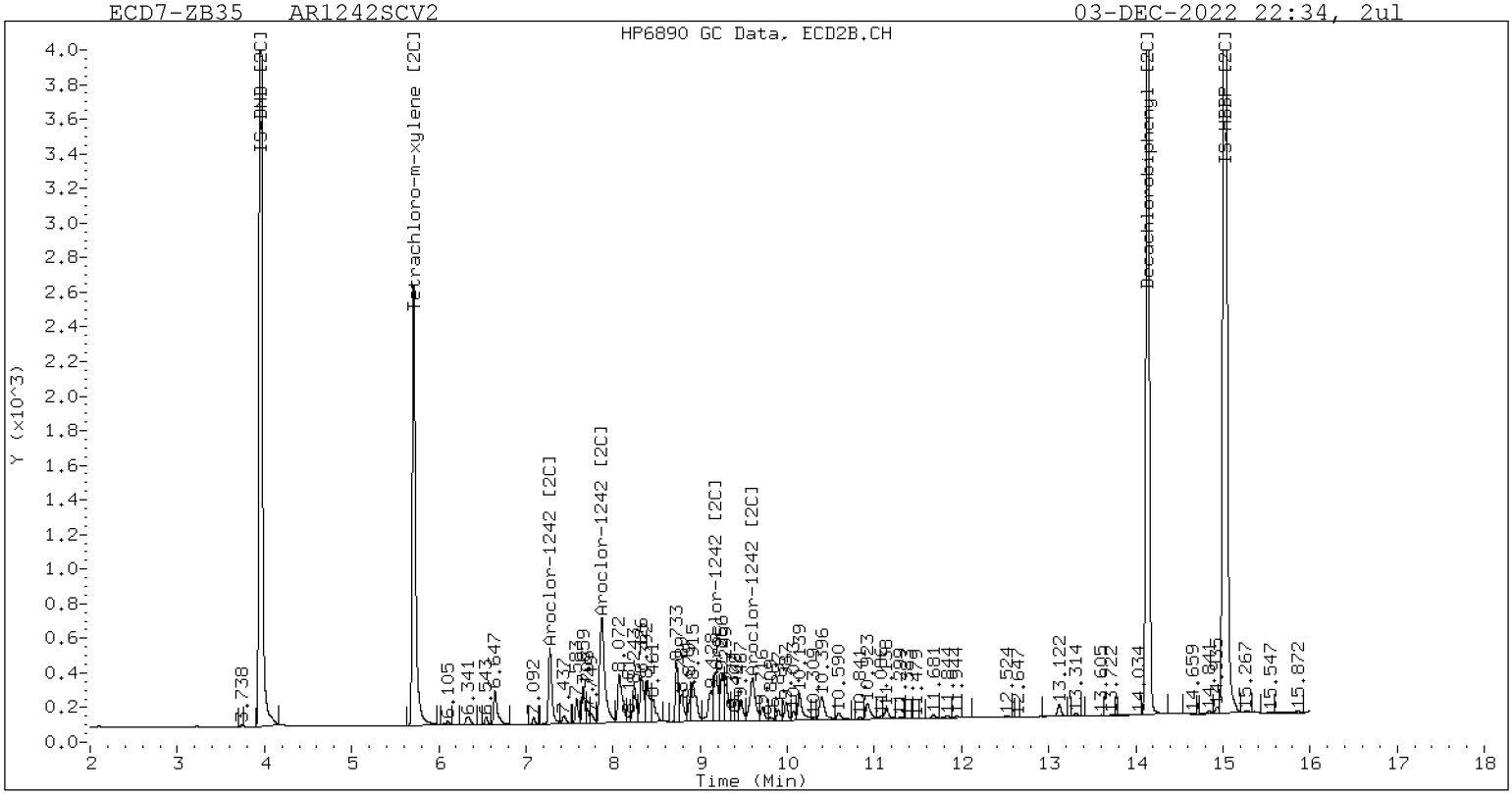
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032224ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV3	Injection Time:	22:55
Sequence Name:	AR1248SCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	246	0.0490062	0.0480752		-1.8	+/-20
Aroclor 1248 [2C]	A	250.00	230	0.0394876	0.0363529		-7.9	+/-20
Decachlorobiphenyl	A	40.000	39.3	0.7333327	0.7205014		-1.7	+/-20
Tetrachlorometaxylene	A	40.000	34.7	1.1336710	0.9836260		-13.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.1	1.1358180	1.0816130		-4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.1	1.0966080	0.9613644		-12.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032224ECD7.D
Data file 2: /221203.b/221203.b/12032224ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248SCV3
Client ID:
Injection Date: 03-DEC-2022 22:55
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	238518	5.713	-0.001	130772	34.7	35.1	1.0	Tetrachloro-m-xylene
13.909	0.001	329816	14.137	0.000	230748	39.3	38.1	3.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484977	8.3
Hexabromobiphenyl	798898	915518	14.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	272055	9.2
Hexabromobiphenyl	362541	426674	17.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.427	-0.000	49184	235.9	1	8.326	0.000	25647	230.8
Aroclor-1248	2	8.604	0.002	62884	236.2	2	8.733	0.000	26944	230.5
Aroclor-1248	3	9.021	-0.002	117065	244.4	3	9.179	0.001	32692	229.9
Aroclor-1248	4	9.315	0.000	62309	265.6	4	9.604	0.002	38342	229.7
Total Col1Ave (4 peaks): 245.5						Total Col2Ave (4 peaks): 230.2			RPD = 6	
Corrected Ave (3 peaks): 238.8						Corrected Ave (3 peaks): 230.0			RPD = 4	

Total PCB Area Col1 (5.936 - 13.808) = 991353 Col1 Total PCB = 0.2 ppm*

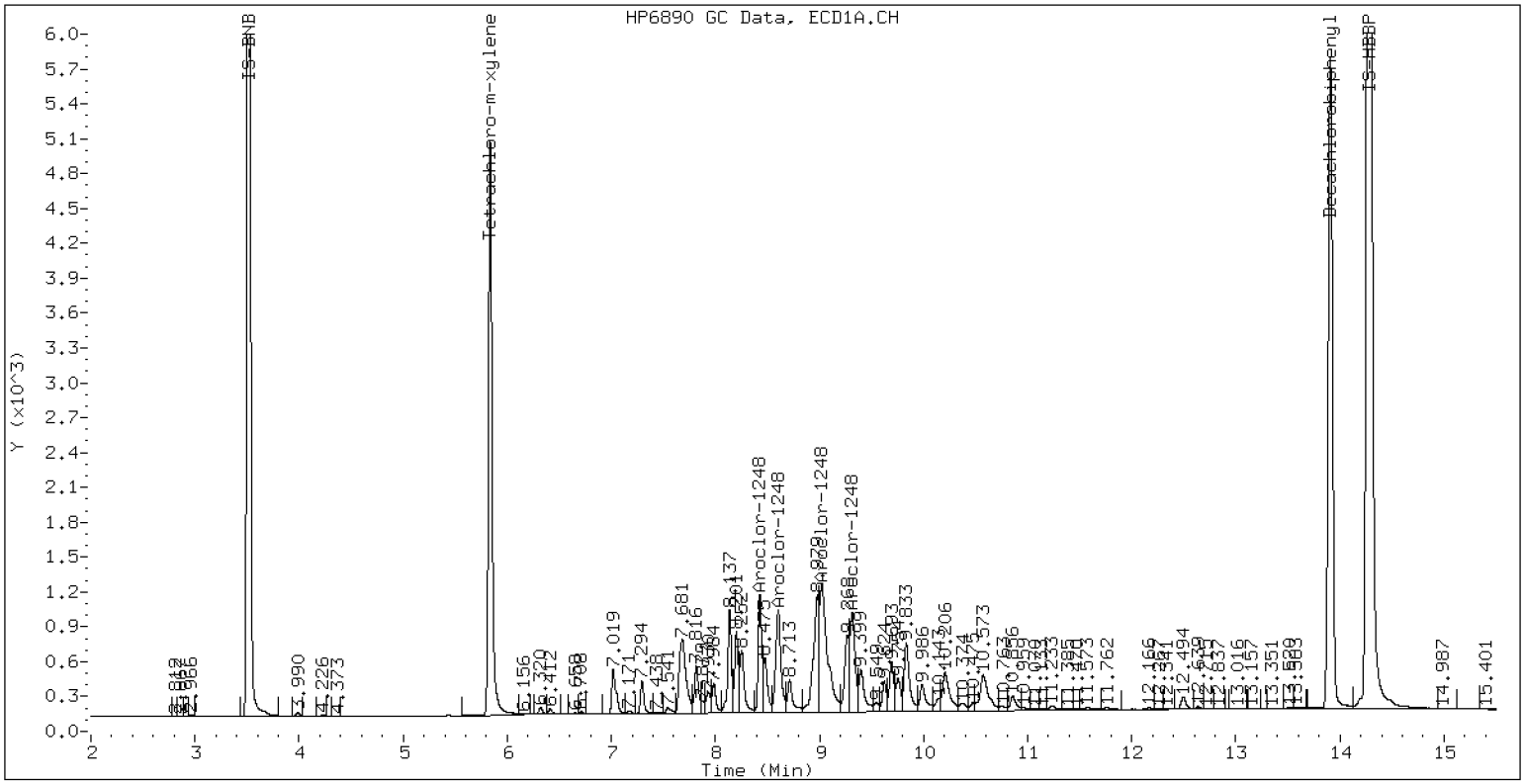
Total PCB Area Col2 (5.936 - 13.808) = 508870 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

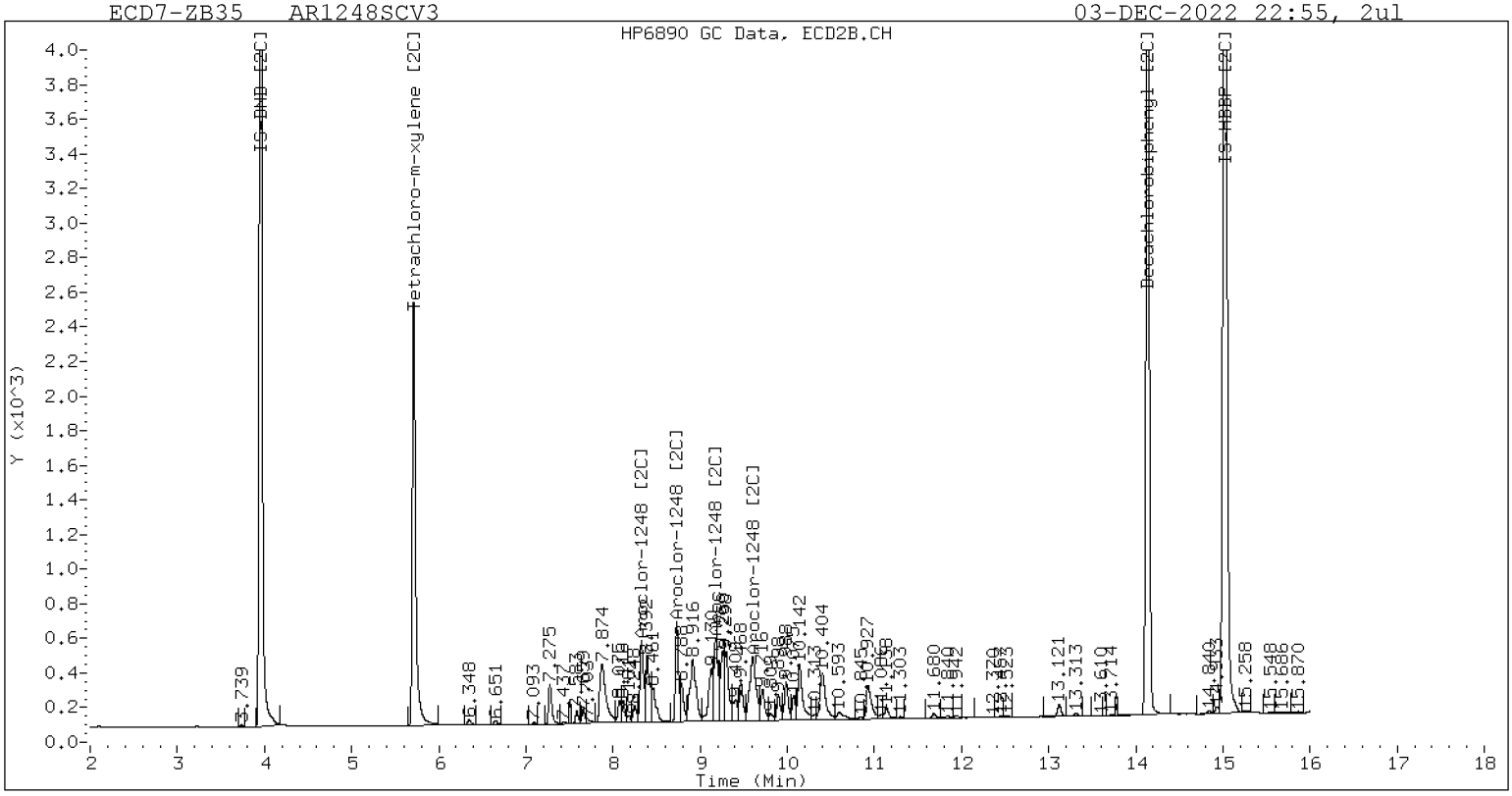
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032225ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV4	Injection Time:	23:17
Sequence Name:	AR1254SCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	228	0.0576965	0.0519120		-8.8	+/-20
Aroclor 1254 [2C]	A	250.00	231	0.0638047	0.0582302		-7.7	+/-20
Decachlorobiphenyl	A	40.000	39.5	0.7333327	0.7250146		-1.1	+/-20
Tetrachlorometaxylene	A	40.000	35.5	1.1336710	1.0063630		-11.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.1	1.1358180	1.0811430		-4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.0	1.0966080	0.9868455		-10.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D
Data file 2: /221203.b/221203.b/12032225ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254SCV4
Client ID:
Injection Date: 03-DEC-2022 23:17
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.000	243863	5.713	-0.000	133610	35.5	36.0	1.4	Tetrachloro-m-xylene
13.909	0.001	332566	14.137	-0.000	233115	39.5	38.1	3.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	484642	8.3
Hexabromobiphenyl	798898	917405	14.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270782	8.7
Hexabromobiphenyl	362541	431238	18.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1254	1	9.321	0.003	94448	221.3	1	9.469	0.002	39410	225.7
Aroclor-1254	2	9.401	0.003	41171	248.1	2	9.989	0.002	31415	223.8
Aroclor-1254	3	9.692	0.004	60946	226.1	3	10.143	0.004	66244	219.6
Aroclor-1254	4	9.832	0.004	116490	221.7	4	10.392	0.003	70095	224.3
Aroclor-1254	5	10.199	0.005	80050	222.3	5	10.588	0.002	39206	260.2
		Total Col1Ave (5 peaks):			227.9		Total Col2Ave (5 peaks):			230.7 RPD = 1
		Corrected Ave (4 peaks):			222.9		Corrected Ave (4 peaks):			223.4 RPD = 0

Total PCB Area Col1 (5.936 - 13.808) = 1261470 Col1 Total PCB = 0.2 ppm*

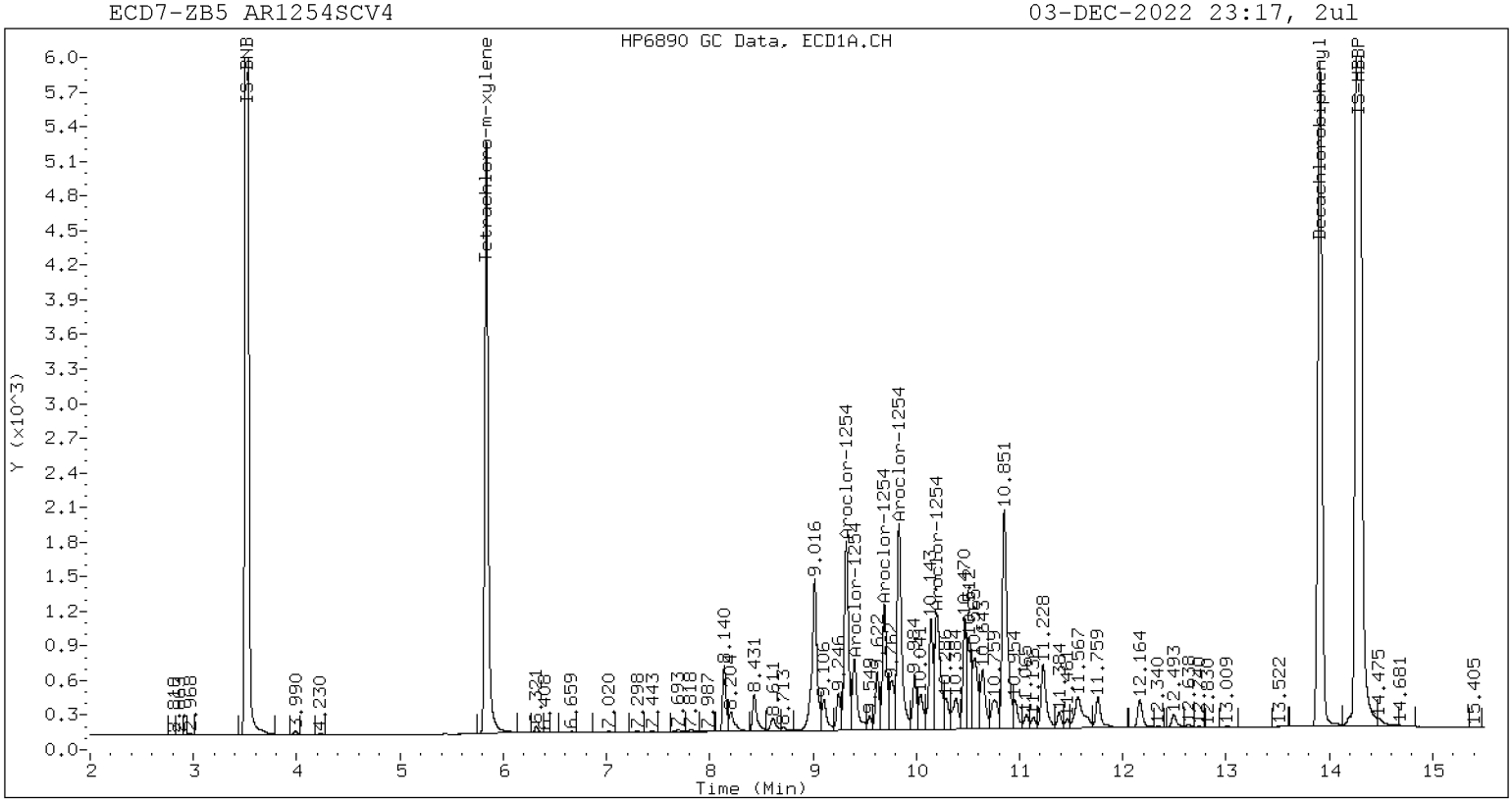
Total PCB Area Col2 (5.936 - 13.808) = 664781 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

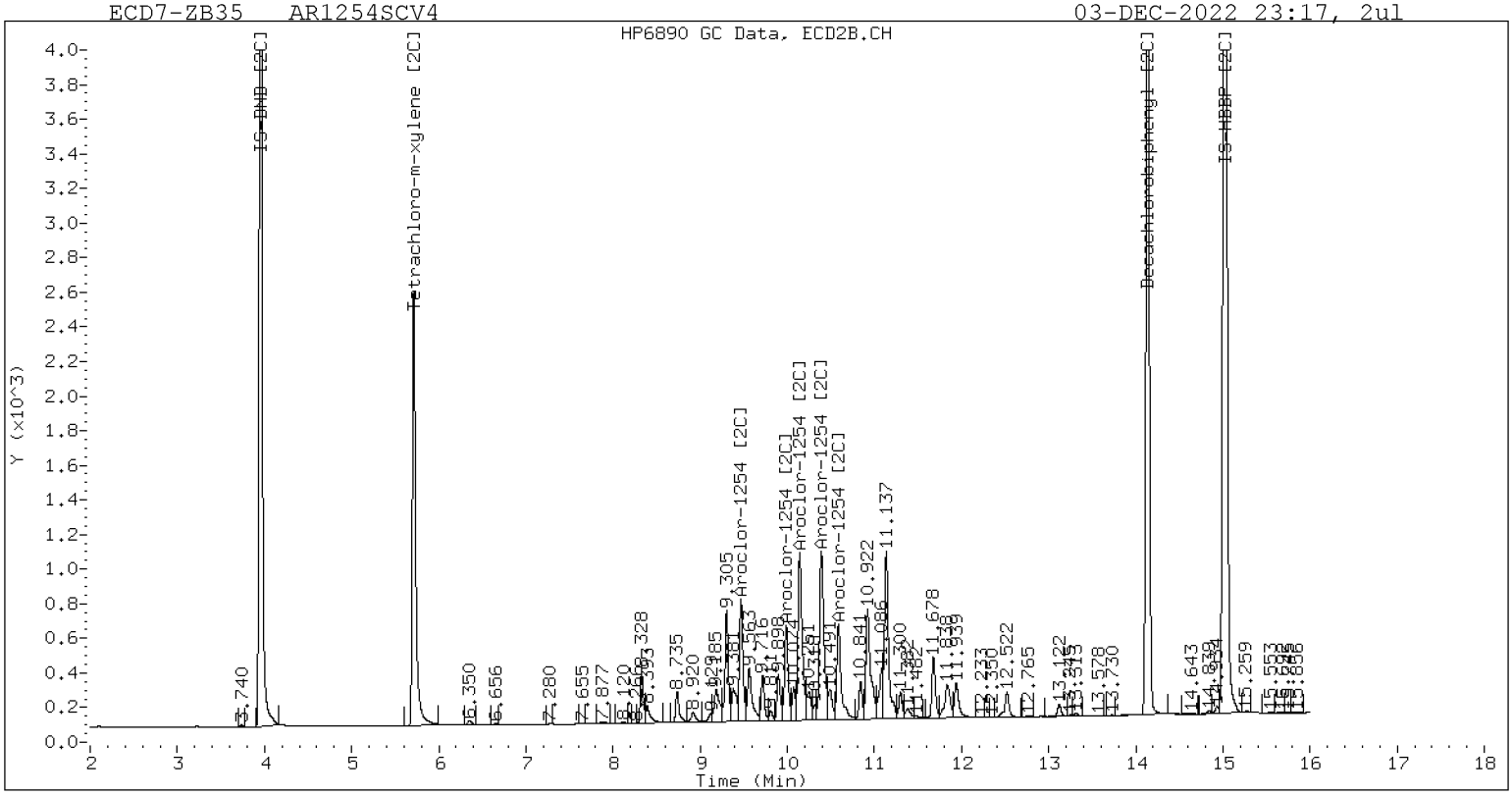
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032226ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV5	Injection Time:	23:38
Sequence Name:	AR2162SCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1221	A	250.00	237	0.0150468	0.0142259		-5.3	+/-20
Aroclor 1221 [2C]	A	250.00	236	0.0137578	0.0128521		-5.7	+/-20
Aroclor 1262	A	500.00	469	0.0371038	0.0347825		-6.2	+/-20
Aroclor 1262 [2C]	A	500.00	464	0.0656640	0.0610321		-7.1	+/-20
Decachlorobiphenyl	A	40.000	40.0	0.7333327	0.7330667		-0.04	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0221760		-9.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.4	1.1358180	1.0912900		-3.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.7	1.0966080	0.9776713		-10.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032226ECD7.D
Data file 2: /221203.b/221203.b/12032226ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR2162.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR2162SCV5
Client ID:
Injection Date: 03-DEC-2022 23:38
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	246394	5.713	-0.000	131378	36.1	35.7	1.1	Tetrachloro-m-xylene
13.908	-0.001	334929	14.136	-0.001	237241	40.0	38.4	4.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	482097	7.7
Hexabromobiphenyl	798898	913775	14.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	268757	7.9
Hexabromobiphenyl	362541	434790	19.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1221	1	4.761	0.001	9579	240.4	1	4.988	0.001	5527	243.7
Aroclor-1221	2	6.159	0.001	16402	233.6	2	6.323	0.001	10041	232.3
Aroclor-1221	3	6.410	0.001	38315	236.6	3	6.646	0.001	16814	231.1
Total Col1Ave (3 peaks):					236.8	Total Col2Ave (3 peaks):				235.7 RPD = 0
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1262	1	10.845	-0.003	145305	475.5	1	11.216	-0.001	152840	462.3
Aroclor-1262	2	12.261	-0.001	222795	469.0	2	11.668	-0.002	131097	457.9
Aroclor-1262	3	12.336	-0.001	238475	470.0	3	12.449	-0.002	148386	469.8
Aroclor-1262	4	13.004	-0.001	188009	461.7	4	12.518	-0.001	231081	467.1
Total Col1Ave (4 peaks):					469.1	Total Col2Ave (4 peaks):				464.3 RPD = 1
Corrected Ave (3 peaks):					466.9	Corrected Ave (3 peaks):				462.4 RPD = 1

Total PCB Area Col1 (5.936 - 13.808) = 3654831 Col1 Total PCB = 0.7 ppm*

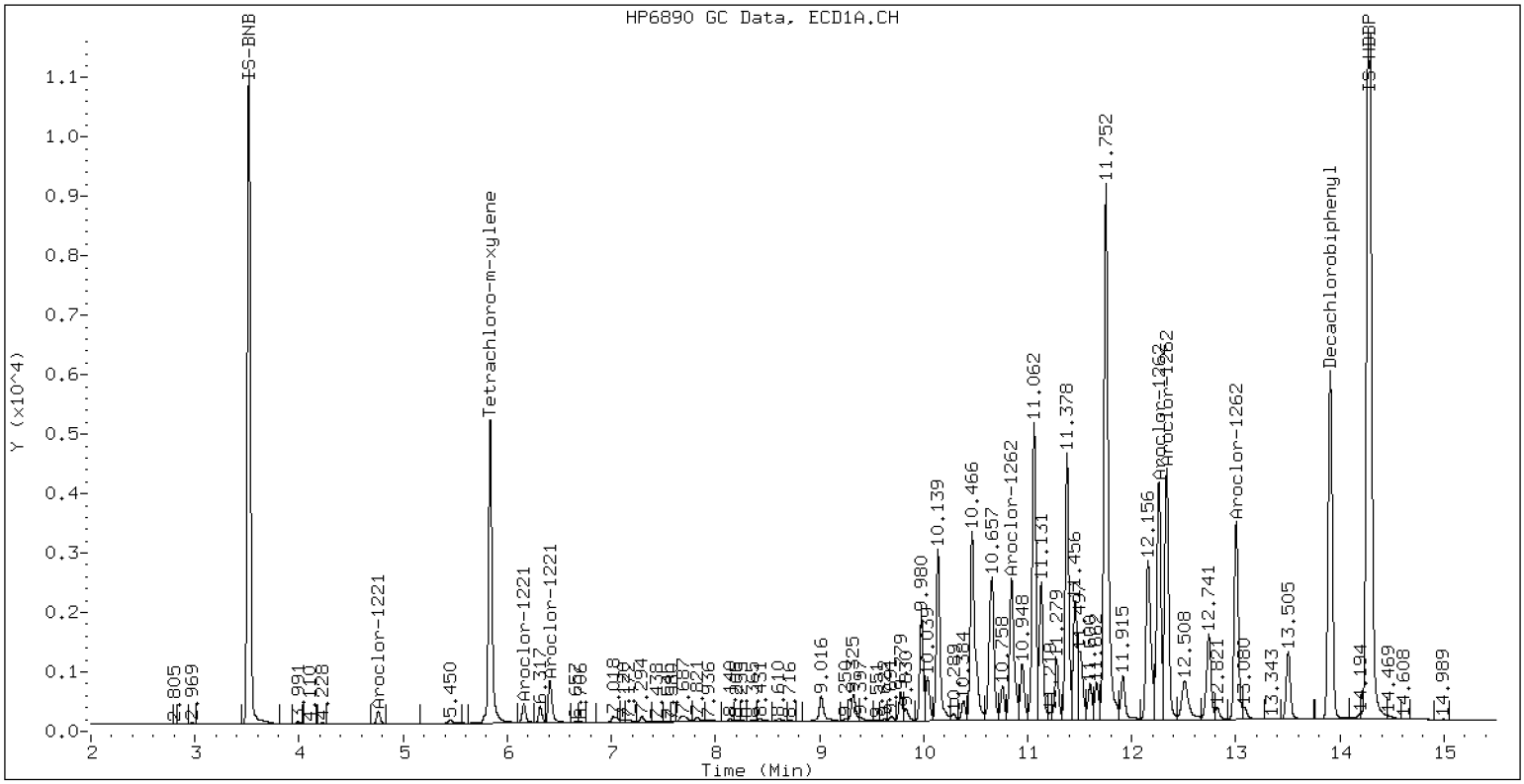
Total PCB Area Col2 (5.936 - 13.808) = 2063978 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

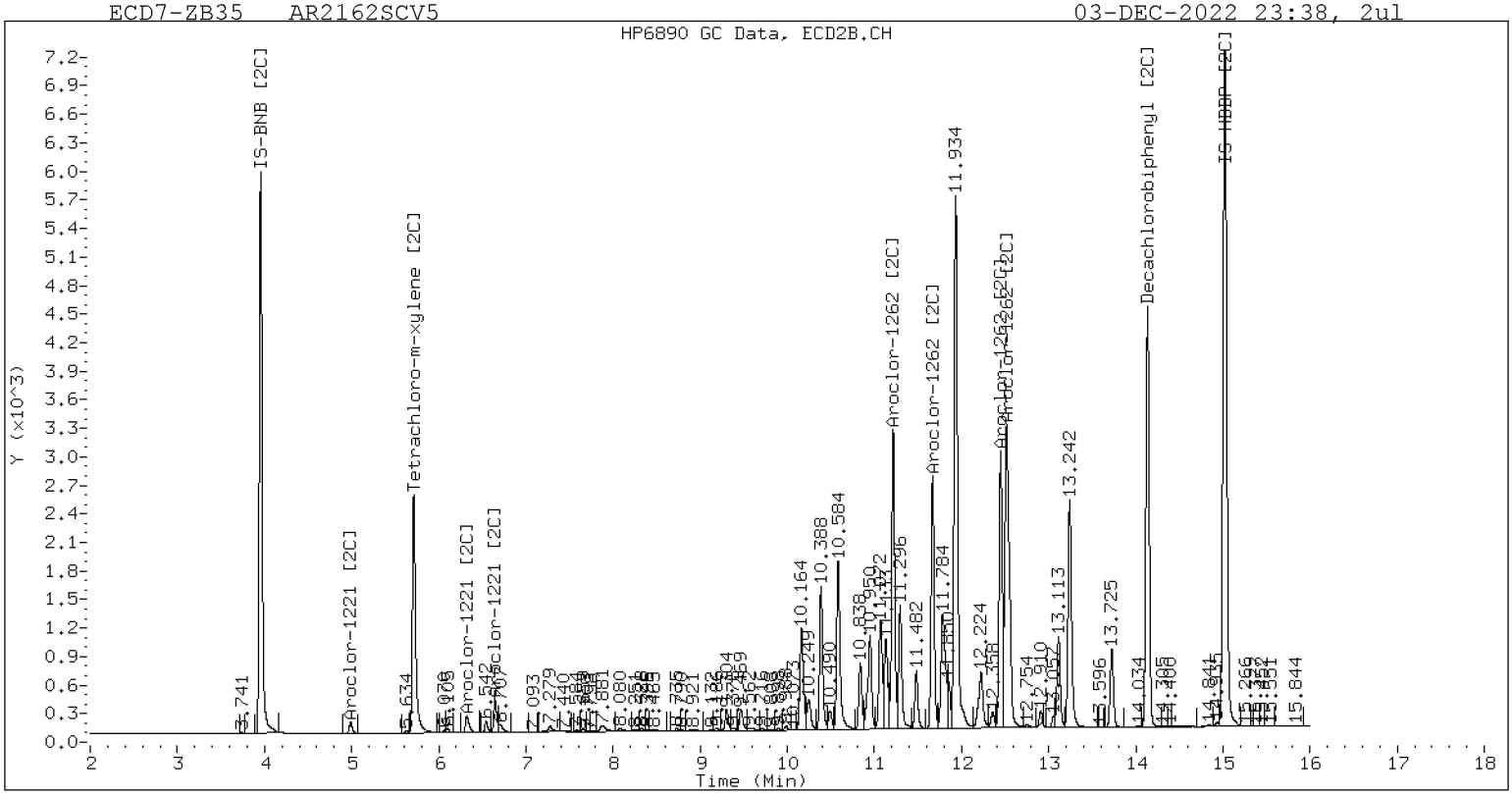
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032227ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV6	Injection Time:	23:59
Sequence Name:	AR3268SCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1232	A	250.00	217	0.0165403	0.0146227		-13.4	+/-20
Aroclor 1232 [2C]	A	250.00	230	0.0182815	0.0167216		-7.9	+/-20
Aroclor 1268	A	250.00	231	0.1462909	0.1351224		-7.5	+/-20
Aroclor 1268 [2C]	A	250.00	228	0.1941199	0.1796657		-8.9	+/-20
Decachlorobiphenyl	A	40.000	56.2	0.7333327	1.0299650		40.4	+/-20
Tetrachlorometaxylene	A	40.000	34.5	1.1336710	0.9771642		-13.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	54.9	1.1358180	1.5591590		37.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	34.2	1.0966080	0.9385176		-14.4	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032227ECD7.D
Data file 2: /221203.b/221203.b/12032227ECD7.D
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m
Compound Sublist: AR3268.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR3268SCV6
Client ID:
Injection Date: 03-DEC-2022 23:59
Report Date: 12/05/2022 13:28
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	236120	5.711	-0.002	126782	34.5	34.2	0.7	Tetrachloro-m-xylene
13.907	-0.002	474236	14.136	-0.001	339687	56.2	54.9	2.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	483276	8.0
Hexabromobiphenyl	798898	920878	15.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270175	8.5
Hexabromobiphenyl	362541	435731	20.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1232	1	4.758	-0.003	5334	221.8	1	4.986	-0.004	3031	230.7
Aroclor-1232	2	6.158	-0.002	9882	194.6	2	7.276	-0.001	14982	223.3
Aroclor-1232	3	7.684	0.000	51409	225.4	3	7.875	-0.001	29992	228.7
Aroclor-1232	4	8.607	0.001	21710	224.4	4	8.734	0.000	8467	238.1
Total Col1Ave (4 peaks):					216.5	Total Col2Ave (4 peaks):				230.2 RPD = 6
Corrected Ave (3 peaks):					213.6	Corrected Ave (3 peaks):				227.6 RPD = 6
Aroclor-1268	1	12.262	-0.000	296463	230.1	1	12.449	-0.000	189354	230.2
Aroclor-1268	2	12.336	0.001	294353	233.5	2	12.517	0.000	196449	232.9
Aroclor-1268	3	12.715	-0.001	238693	231.1	3	12.909	-0.001	66881	213.9
Aroclor-1268	4	13.506	0.001	725881	230.1	4	13.725	-0.001	525890	233.7
Total Col1Ave (4 peaks):					231.2	Total Col2Ave (4 peaks):				227.7 RPD = 2
Corrected Ave (3 peaks):					230.4	Corrected Ave (3 peaks):				225.7 RPD = 2

Total PCB Area Col1 (5.936 - 13.808) = 2353838 Col1 Total PCB = 0.4 ppm*

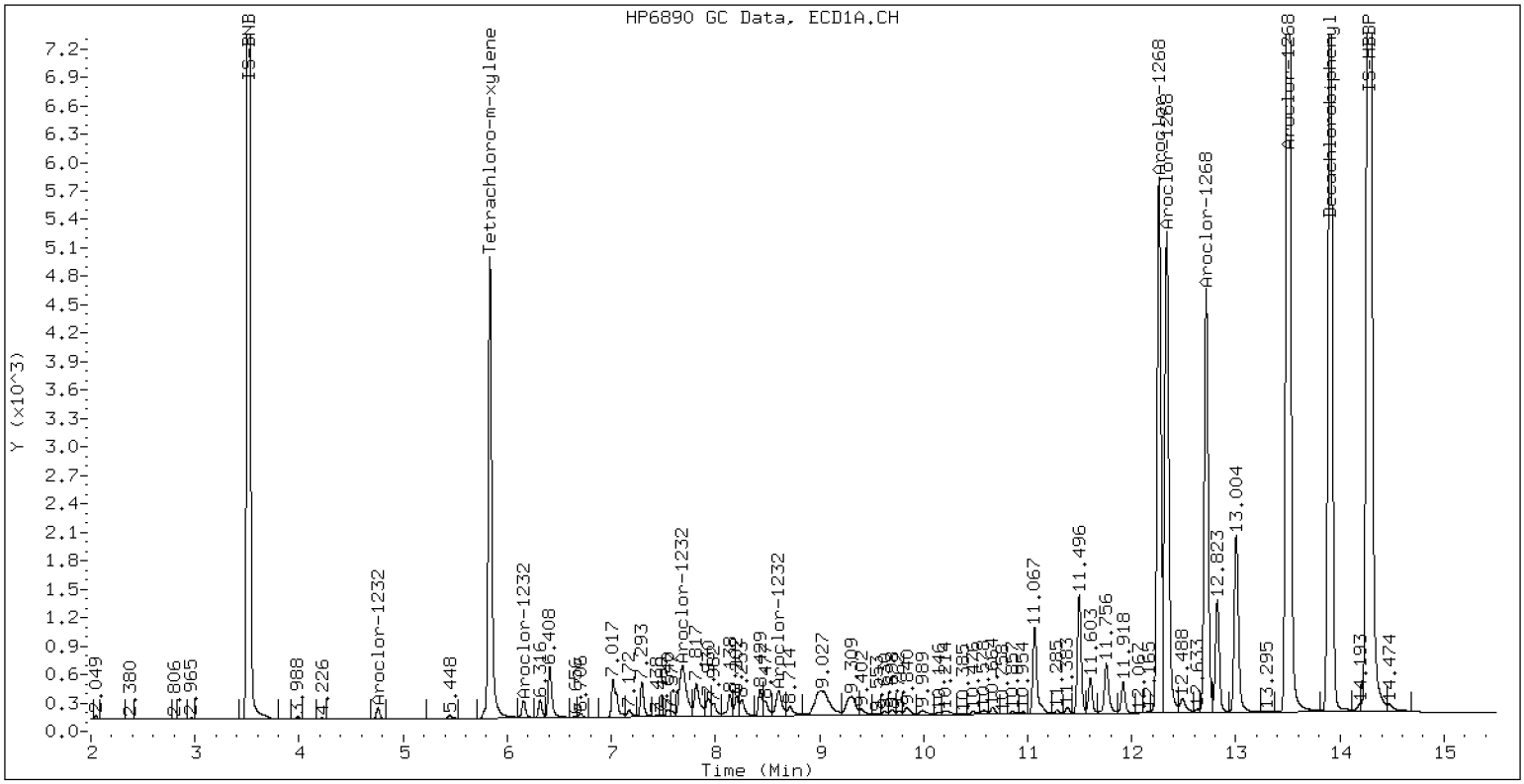
Total PCB Area Col2 (5.936 - 13.808) = 1423323 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

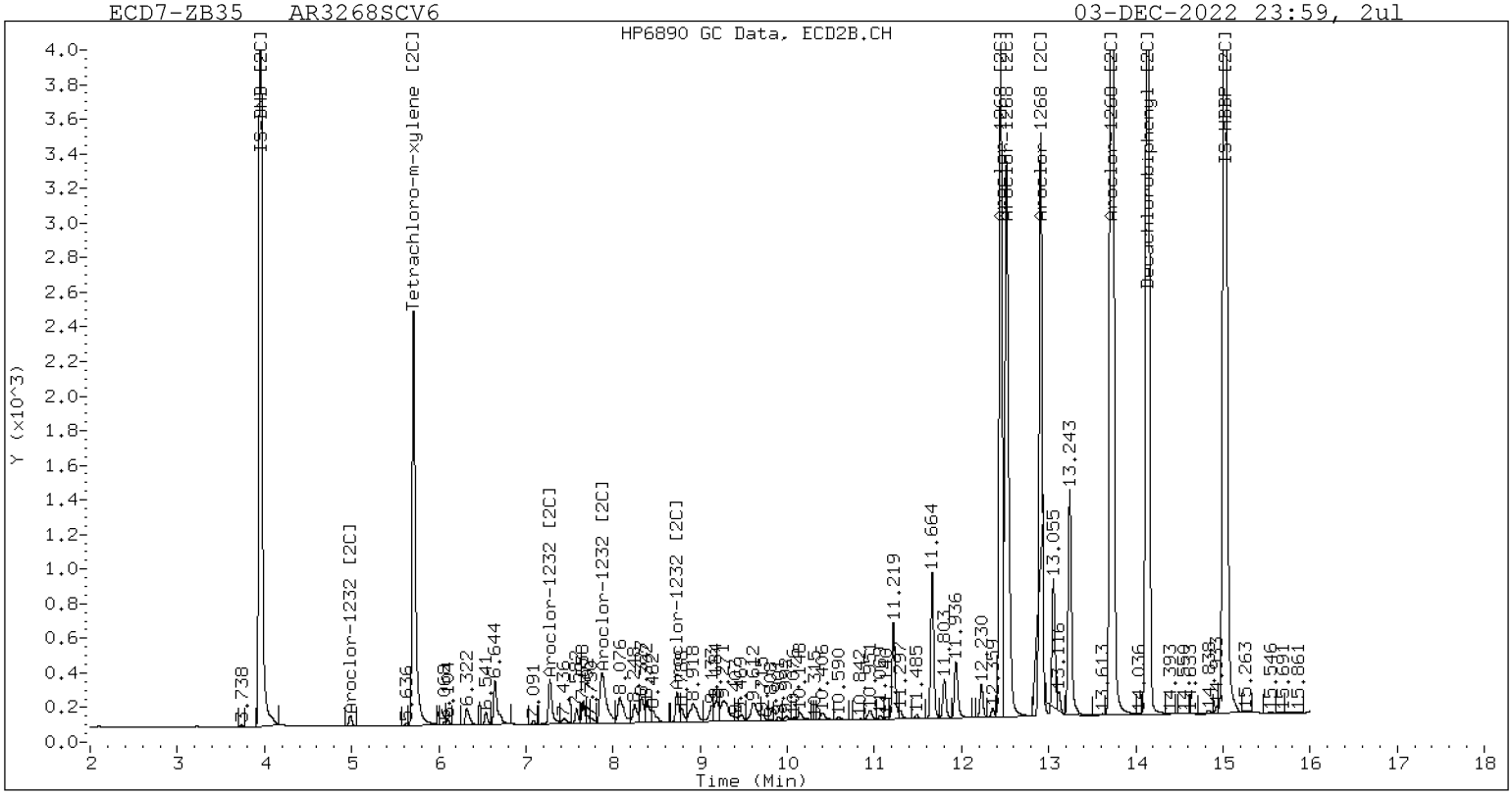
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192213ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-CCV1	Injection Time:	18:49
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	251	0.0490062	0.0506462		0.6	+/-20
Aroclor-1248 (1)	A	250.00	271		0.0372920			
Aroclor-1248 (2)	A	250.00	289		0.0507339			
Aroclor-1248 (3)	A	250.00	283		0.0892904			
Aroclor-1248 (4)	A	250.00	163		0.0252686			
Aroclor 1248 [2C]	A	250.00	242	0.0394876	0.0384421		-3.0	+/-20
Aroclor-1248 (1) [2C]	A	250.00	257		0.0336510			
Aroclor-1248 (2) [2C]	A	250.00	205		0.0281372			
Aroclor-1248 (3) [2C]	A	250.00	264		0.0442269			
Aroclor-1248 (4) [2C]	A	250.00	243		0.0477533			
Decachlorobiphenyl	A	40.000	42.6	0.7333327	0.7806500		6.5	+/-20
Tetrachlorometaxylene	A	40.000	37.2	1.1336710	1.0555750		-6.9	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.0	1.1358180	1.1067610		-2.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.4	1.0966080	1.0244870		-6.6	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192213ECD7.D
Data file 2: /221219.b/221219.b/12192213ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV1
Client ID:
Injection Date: 19-DEC-2022 18:49
Report Date: 12/21/2022 10:22
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	237070	5.713	-0.001	136099	37.2	37.4	0.3	Tetrachloro-m-xylene
13.906	-0.002	340219	14.134	-0.003	233126	42.6	39.0	8.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	449177	0.3
Hexabromobiphenyl	798898	871630	9.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	265692	6.7
Hexabromobiphenyl	362541	421276	16.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.427	-0.000	52346	271.0	1	8.325	-0.001	27940	257.4
Aroclor-1248	2	8.602	-0.002	71214	288.8	2	8.731	-0.002	23362	204.6
Aroclor-1248	3	9.021	-0.001	125335	282.5	3	9.177	-0.001	36721	264.4
Aroclor-1248	4	9.310	-0.001	35469	163.2	4	9.599	-0.003	39649	243.2

Total Col1Ave (4 peaks): 251.4 Total Col2Ave (4 peaks): 242.4 RPD = 4

Corrected Ave (3 peaks): 238.9 Corrected Ave (3 peaks): 235.1 RPD = 2

Total PCB Area Col1 (5.936 - 13.808) = 1146792 Col1 Total PCB = 0.2 ppm*

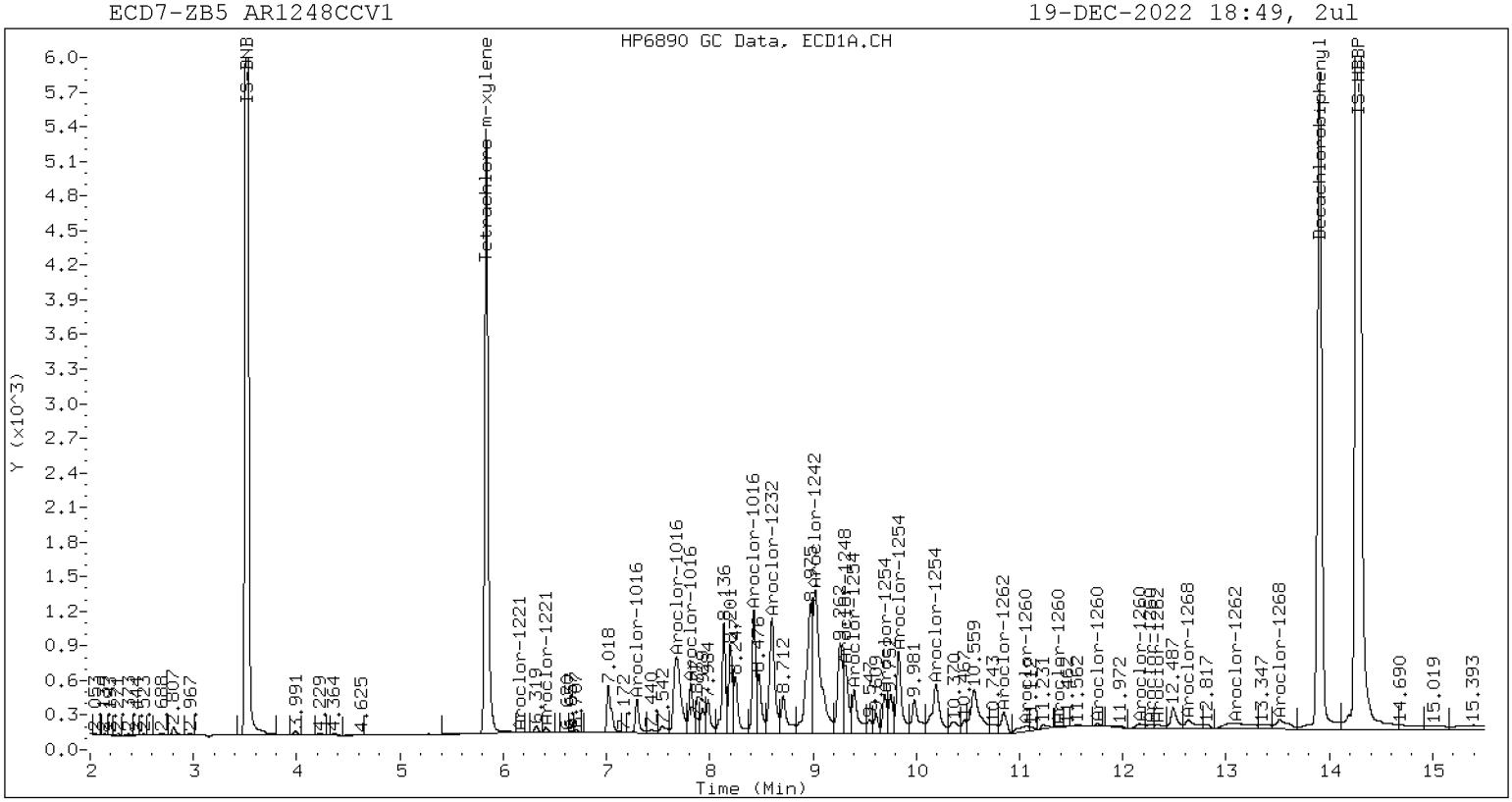
Total PCB Area Col2 (5.936 - 13.808) = 524618 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

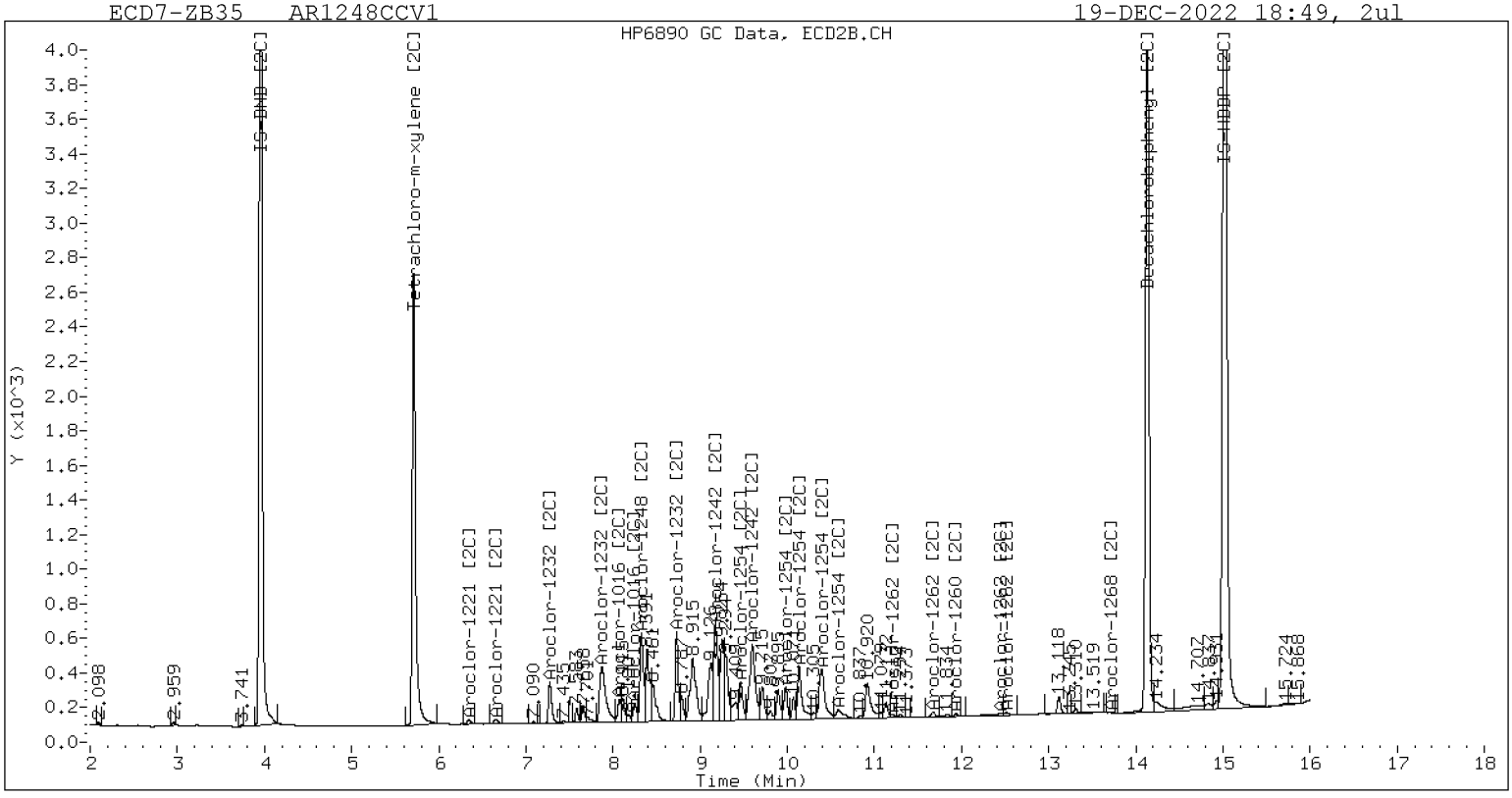
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 19-DEC-2022 18:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 19-DEC-2022 18:49, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192214ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-CCV2	Injection Time:	19:11
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	278	0.0441939	0.0484966		11.2	+/-20
Aroclor-1016 (1)	A	250.00	269	0.0266860	0.0287319		7.7	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919718		6.7	
Aroclor-1016 (3)	A	250.00	281	0.0390425	0.0438406		12.3	
Aroclor-1016 (4)	A	250.00	296	0.0248899	0.0294422		18.3	
Aroclor 1016 [2C]	A	250.00	242	0.0467310	0.0440964		-3.1	+/-20
Aroclor-1016 (1) [2C]	A	250.00	245	0.0409030	0.0400284		-2.1	
Aroclor-1016 (2) [2C]	A	250.00	226	0.0882154	0.0796127		-9.8	
Aroclor-1016 (3) [2C]	A	250.00	237	0.0378846	0.0358915		-5.3	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0208530		4.7	
Aroclor 1260	A	250.00	274	0.0390342	0.0426708		9.6	+/-20
Aroclor-1260 (1)	A	250.00	271	0.0291201	0.0315616		8.4	
Aroclor-1260 (2)	A	250.00	276	0.0301181	0.0333056		10.6	
Aroclor-1260 (3)	A	250.00	278	0.0791351	0.0878865		11.1	
Aroclor-1260 (4)	A	250.00	259	0.0403003	0.0417663		3.6	
Aroclor-1260 (5)	A	250.00	285	0.0164974	0.0188342		14.2	
Aroclor 1260 [2C]	A	250.00	213	0.0617619	0.0511569		-14.8	+/-20
Aroclor-1260 (1) [2C]	A	250.00	213	0.0422283	0.0359411		-14.9	
Aroclor-1260 (2) [2C]	A	250.00	195	0.1059643	0.0826691		-22.0	
Aroclor-1260 (3) [2C]	A	250.00	232	0.0282173	0.0262228		-7.1	
Aroclor-1260 (4) [2C]	A	250.00	212	0.0706376	0.0597946		-15.4	
Decachlorobiphenyl	A	40.000	43.6	0.7333327	0.7994203		9.0	+/-20
Tetrachlorometaxylene	A	40.000	40.4	1.1336710	1.1457700		1.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.1	1.1358180	1.1089110		-2.4	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.5	1.0966080	1.0842650		-1.1	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192214ECD7.D
Data file 2: /221219.b/221219.b/12192214ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV2
Client ID:
Injection Date: 19-DEC-2022 19:11
Report Date: 12/21/2022 10:23
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.001	222481	5.714	0.000	125430	40.4	39.5	2.2	Tetrachloro-m-xylene
13.905	-0.003	329884	14.134	-0.003	213497	43.6	39.1	11.0	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	388352	-13.2
Hexabromobiphenyl	798898	825308	3.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	231364	-7.1
Hexabromobiphenyl	362541	385057	6.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.294	-0.001	34869	269.2	1	7.276	0.001	28941	244.7
Aroclor-1016	2	7.681	-0.004	111617	266.9	2	7.874	0.003	57561	225.6
Aroclor-1016	3	7.815	-0.002	53205	280.7	3	8.074	0.004	25950	236.8
Aroclor-1016	4	8.427	-0.002	35731	295.7	4	8.245	0.004	15077	261.7
Total Col1Ave (4 peaks):					278.1	Total Col2Ave (4 peaks):				242.2 RPD = 14
Corrected Ave (3 peaks):					272.3	Corrected Ave (3 peaks):				235.7 RPD = 14
Aroclor-1260	1	11.060	-0.002	81400	271.0	1	11.668	-0.001	43248	212.8
Aroclor-1260	2	11.377	-0.001	85898	276.5	2	11.930	-0.003	99476	195.0
Aroclor-1260	3	11.749	-0.003	226667	277.6	3	12.449	-0.002	31554	232.3
Aroclor-1260	4	12.155	-0.004	107719	259.1	4	12.514	-0.003	71951	211.6
Aroclor-1260	5	12.259	-0.002	48575	285.4	NS	---			----
Total Col1Ave (5 peaks):					273.9	Total Col2Ave (4 peaks):				212.9 RPD = 25
Corrected Ave (4 peaks):					271.0	Corrected Ave (3 peaks):				206.5 RPD = 27

Total PCB Area Col1 (5.936 - 13.808) = 2363639 Col1 Total PCB = 0.5 ppm*

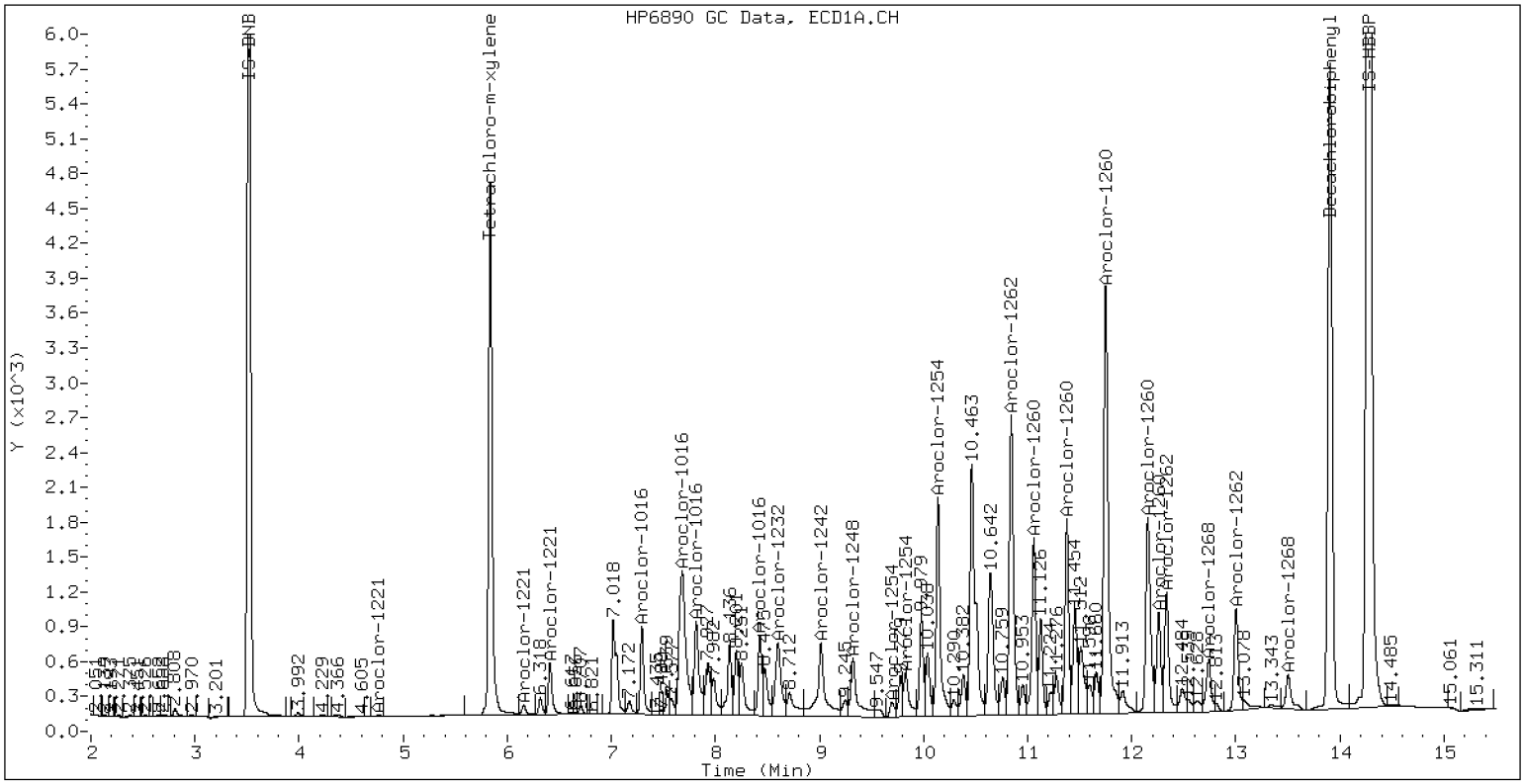
Total PCB Area Col2 (5.936 - 13.808) = 1069254 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

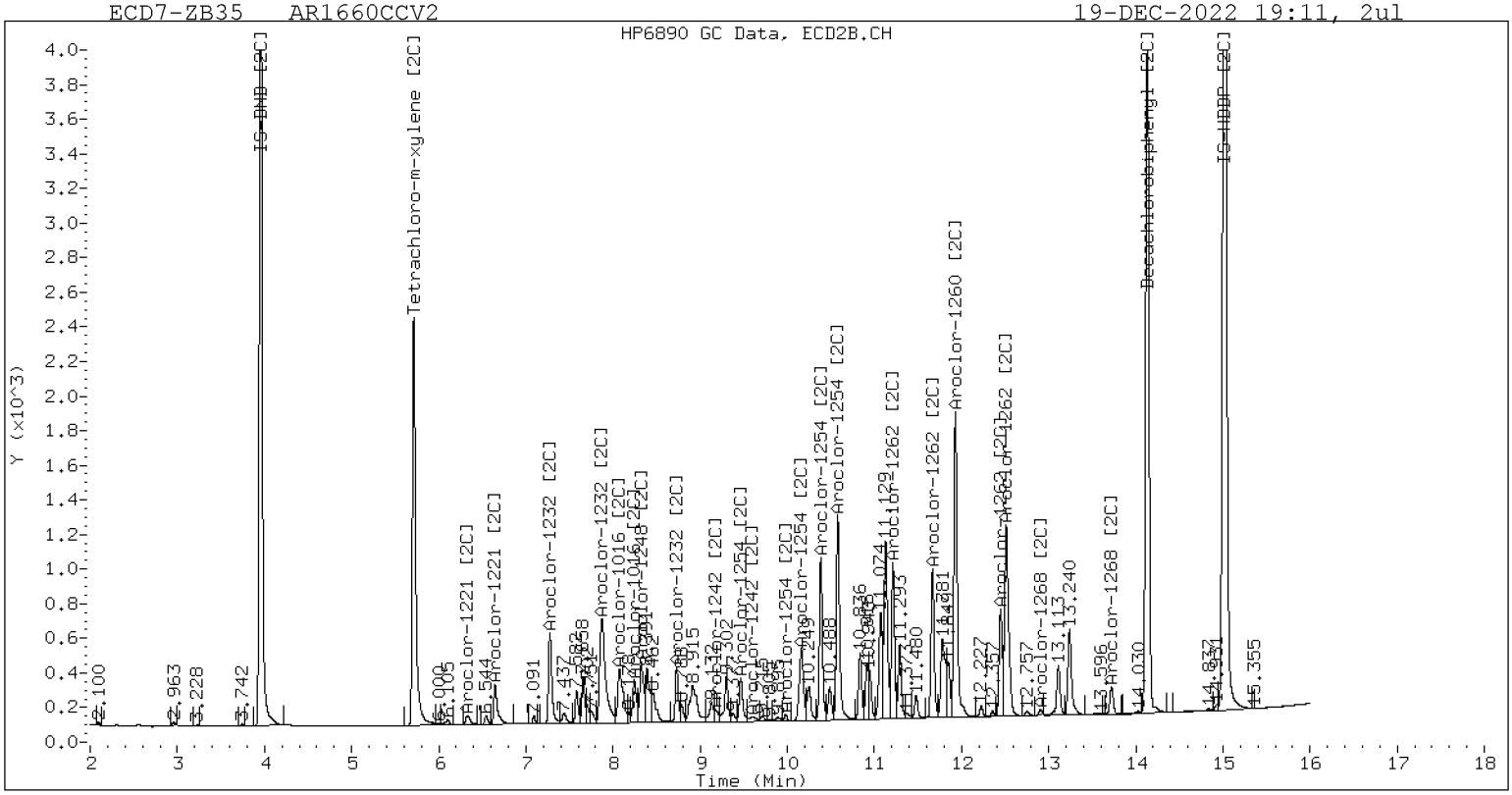
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 19-DEC-2022 19:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 19-DEC-2022 19:11, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192223ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-CCV3	Injection Time:	22:21
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	260	0.0396000	0.0412759		3.9	+/-20
Aroclor-1242 (1)	A	250.00	259		0.0234949			
Aroclor-1242 (2)	A	250.00	263		0.0756305			
Aroclor-1242 (3)	A	250.00	259		0.0214745			
Aroclor-1242 (4)	A	250.00	259		0.0445037			
Aroclor 1242 [2C]	A	250.00	249	0.0391981	0.0375408		-0.3	+/-20
Aroclor-1242 (1) [2C]	A	250.00	255		0.0344998			
Aroclor-1242 (2) [2C]	A	250.00	216		0.0622399			
Aroclor-1242 (3) [2C]	A	250.00	276		0.0255959			
Aroclor-1242 (4) [2C]	A	250.00	250		0.0278277			
Decachlorobiphenyl	A	40.000	42.3	0.7333327	0.7748450		5.7	+/-20
Tetrachlorometaxylene	A	40.000	38.9	1.1336710	1.1026540		-2.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.4	1.1358180	1.0910150		-3.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.9	1.0966080	1.0380850		-5.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192223ECD7.D
Data file 2: /221219.b/221219.b/12192223ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV3
Client ID:
Injection Date: 19-DEC-2022 22:21
Report Date: 12/21/2022 10:23
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	242843	5.713	-0.000	136491	38.9	37.9	2.7	Tetrachloro-m-xylene
13.906	-0.002	367447	14.132	-0.005	234578	42.3	38.4	9.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	440470	-1.6
Hexabromobiphenyl	798898	948440	18.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	262967	5.6
Hexabromobiphenyl	362541	430018	18.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.293	-0.002	32340	259.0	1	7.275	-0.002	28351	254.7
Aroclor-1242	2	7.680	-0.005	104103	262.6	2	7.875	-0.000	51147	216.5
Aroclor-1242	3	8.427	-0.003	29559	259.2	3	9.176	-0.002	21034	276.0
Aroclor-1242	4	9.030	-0.002	61258	258.7	4	9.598	-0.007	22868	249.6
Total Col1Ave (4 peaks): 259.9						Total Col2Ave (4 peaks): 249.2			RPD = 4	
Corrected Ave (3 peaks): 259.0						Corrected Ave (3 peaks): 240.3			RPD = 7	

Total PCB Area Col1 (5.936 - 13.808) = 867415 Col1 Total PCB = 0.2 ppm*

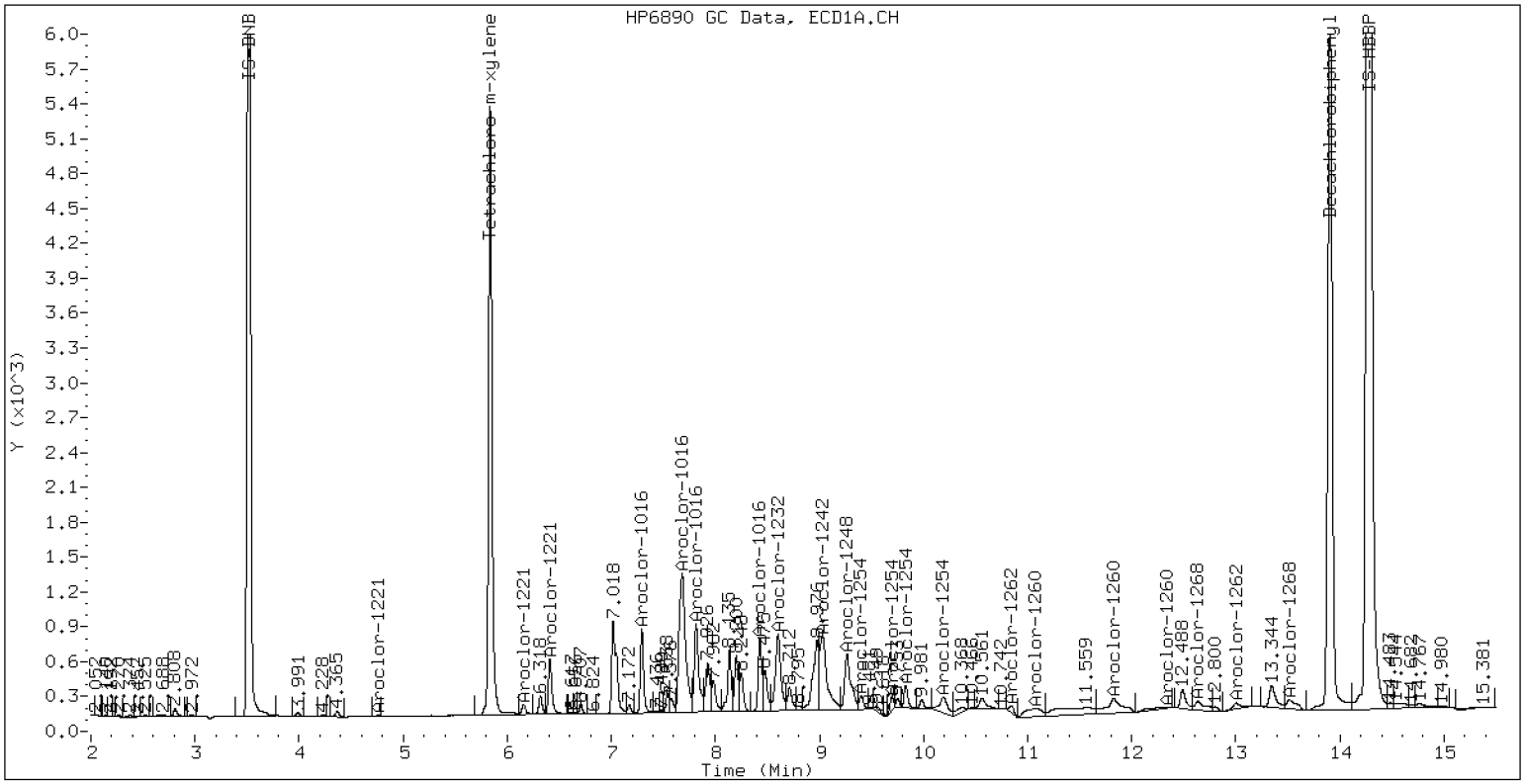
Total PCB Area Col2 (5.936 - 13.808) = 412830 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

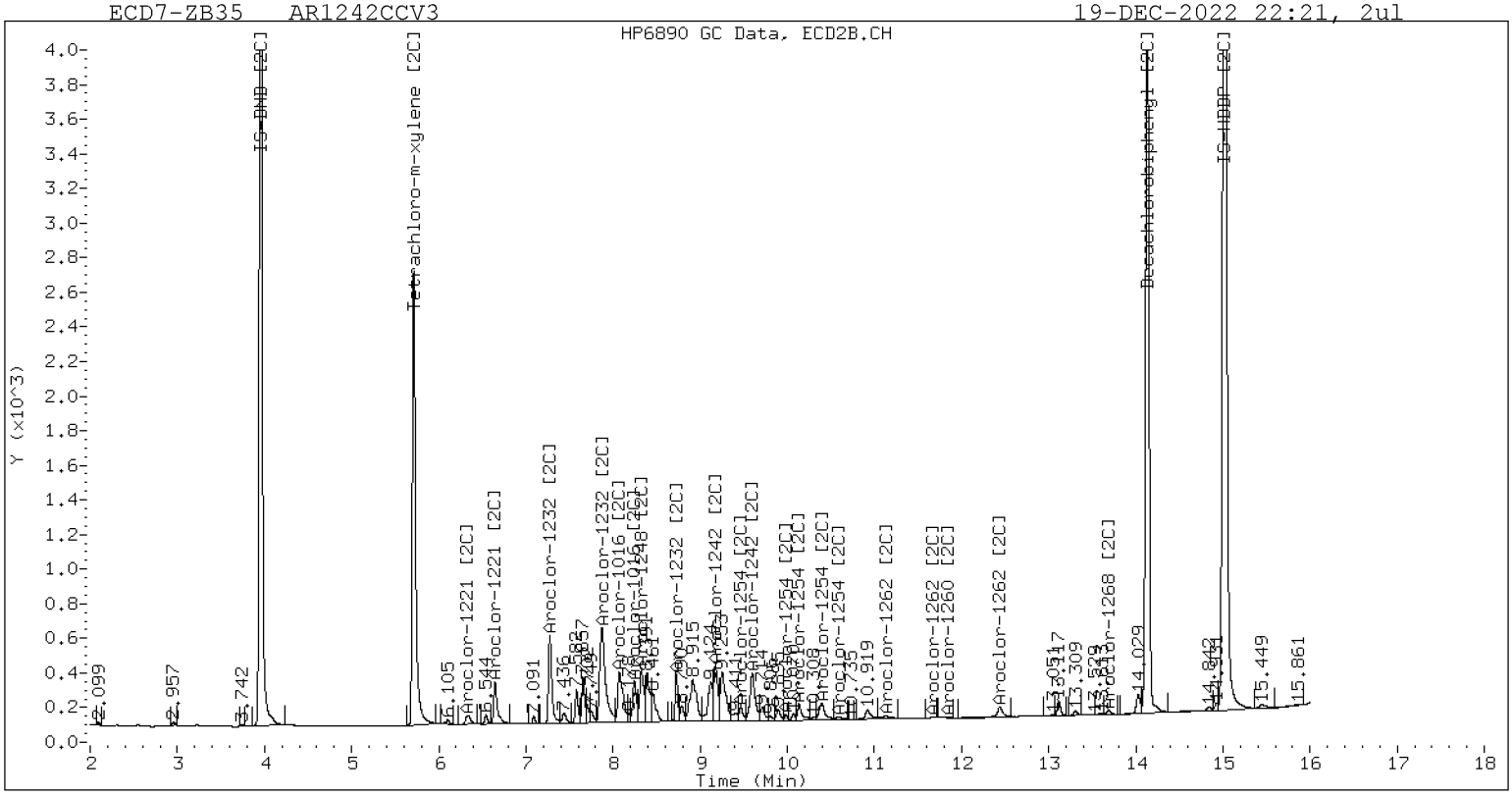
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 19-DEC-2022 22:21, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV3 19-DEC-2022 22:21, 2ul

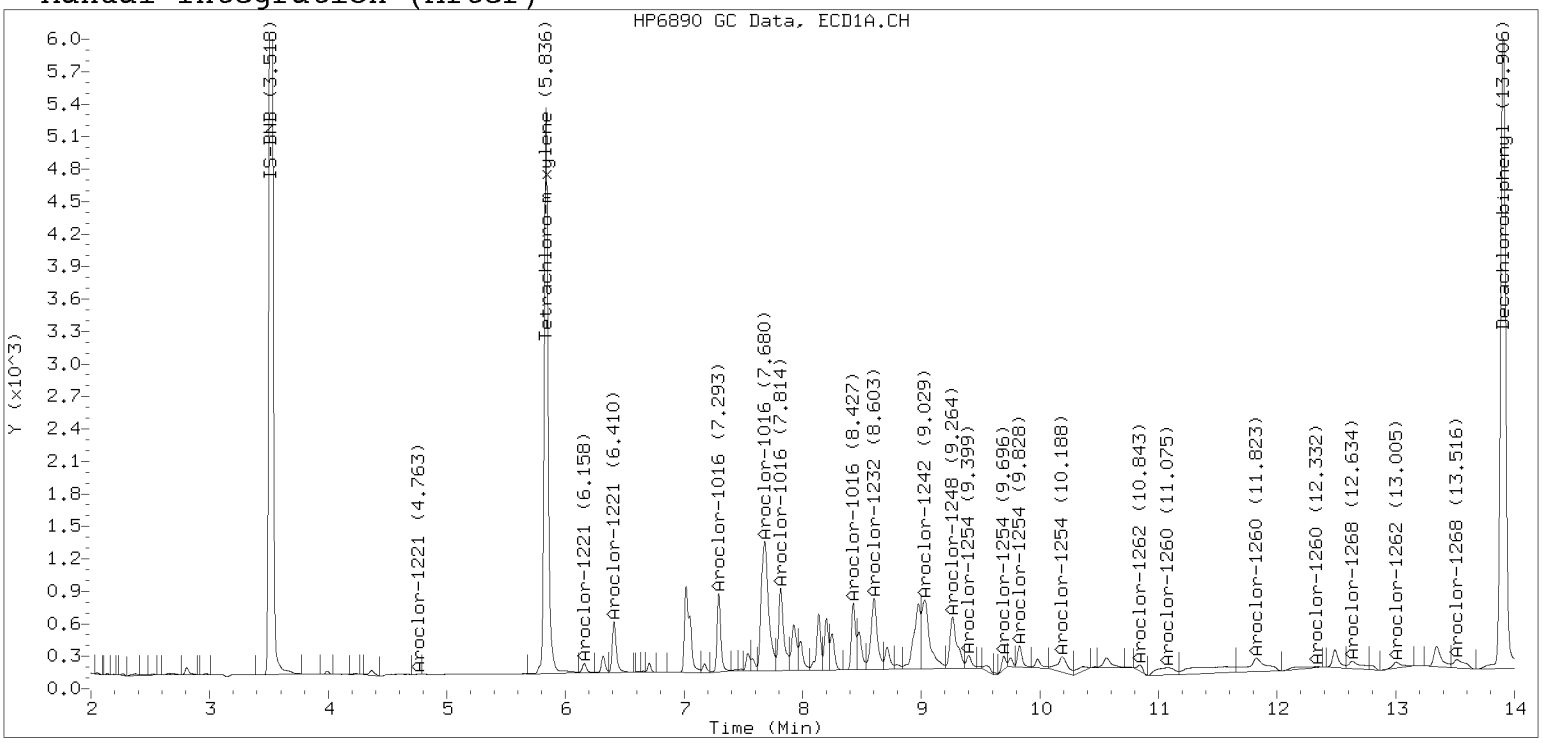


ZB-35 Manual Integration: NO

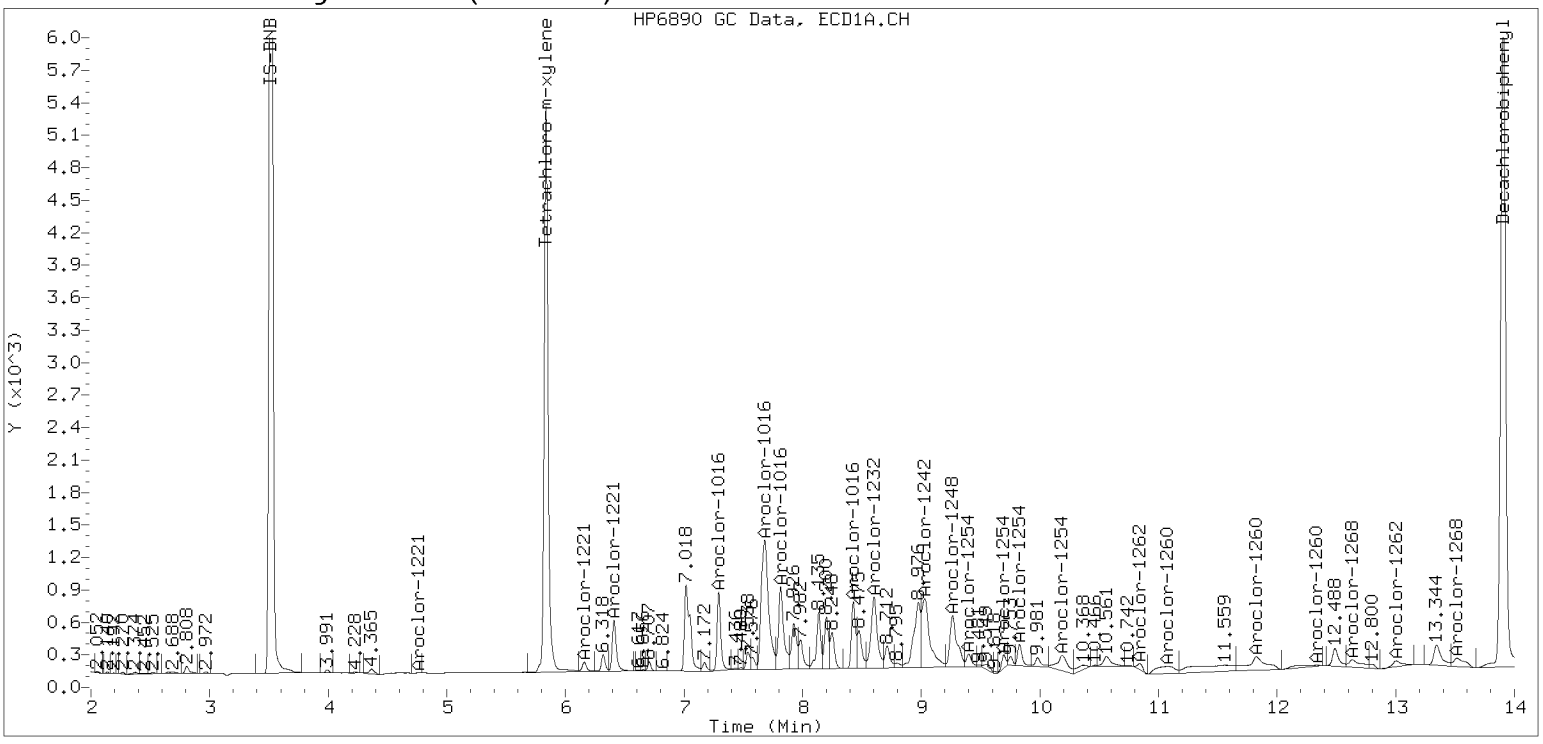
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192223ECD7.D Injection Date: 19-DEC-2022 22:21

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192224ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/19/22
Lab Sample ID:	SKL0282-CCV4	Injection Time:	22:43
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	278	0.0441939	0.0483972		11.1	+/-20
Aroclor-1016 (1)	A	250.00	270	0.0266860	0.0287806		7.8	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0917138		6.4	
Aroclor-1016 (3)	A	250.00	280	0.0390425	0.0437362		12.0	
Aroclor-1016 (4)	A	250.00	295	0.0248899	0.0293583		18.0	
Aroclor 1016 [2C]	A	250.00	243	0.0467310	0.0443355		-3.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0409411		0.09	
Aroclor-1016 (2) [2C]	A	250.00	227	0.0882154	0.0802107		-9.1	
Aroclor-1016 (3) [2C]	A	250.00	236	0.0378846	0.0357036		-5.8	
Aroclor-1016 (4) [2C]	A	250.00	257	0.0199212	0.0204865		2.8	
Aroclor 1260	A	250.00	263	0.0390342	0.0408911		5.2	+/-20
Aroclor-1260 (1)	A	250.00	260	0.0291201	0.0302752		4.0	
Aroclor-1260 (2)	A	250.00	265	0.0301181	0.0318898		5.9	
Aroclor-1260 (3)	A	250.00	265	0.0791351	0.0838839		6.0	
Aroclor-1260 (4)	A	250.00	249	0.0403003	0.0401512		-0.4	
Aroclor-1260 (5)	A	250.00	277	0.0164974	0.0182554		10.7	
Aroclor 1260 [2C]	A	250.00	208	0.0617619	0.0498507		-16.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	207	0.0422283	0.0350260		-17.1	
Aroclor-1260 (2) [2C]	A	250.00	190	0.1059643	0.0803751		-24.1	
Aroclor-1260 (3) [2C]	A	250.00	228	0.0282173	0.0257495		-8.7	
Aroclor-1260 (4) [2C]	A	250.00	206	0.0706376	0.0582522		-17.5	
Decachlorobiphenyl	A	40.000	44.5	0.7333327	0.8156268		11.2	+/-20
Tetrachlorometaxylene	A	40.000	40.5	1.1336710	1.1472320		1.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.8	1.1358180	1.1014750		-3.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.6	1.0966080	1.0853650		-1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192224ECD7.D
Data file 2: /221219.b/221219.b/12192224ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV4
Client ID:
Injection Date: 19-DEC-2022 22:43
Report Date: 12/21/2022 10:23
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.001	223708	5.714	0.001	125498	40.5	39.6	2.2	Tetrachloro-m-xylene
13.906	-0.002	344962	14.134	-0.003	217072	44.5	38.8	13.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	389996	-12.9
Hexabromobiphenyl	798898	845882	5.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	231255	-7.2
Hexabromobiphenyl	362541	394148	8.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	-0.001	35076	269.6	1	7.276	0.001	29587	250.2
Aroclor-1016	2	7.679	-0.006	111775	266.1	2	7.874	0.003	57966	227.3
Aroclor-1016	3	7.814	-0.003	53303	280.1	3	8.074	0.004	25802	235.6
Aroclor-1016	4	8.427	-0.002	35780	294.9	4	8.245	0.004	14805	257.1
Total Col1Ave (4 peaks):					277.7	Total Col2Ave (4 peaks):				242.6 RPD = 13
Corrected Ave (3 peaks):					271.9	Corrected Ave (3 peaks):				237.7 RPD = 13
Aroclor-1260	1	11.059	-0.003	80029	259.9	1	11.667	-0.002	43142	207.4
Aroclor-1260	2	11.376	-0.001	84297	264.7	2	11.929	-0.003	98999	189.6
Aroclor-1260	3	11.749	-0.003	221737	265.0	3	12.450	-0.002	31716	228.1
Aroclor-1260	4	12.154	-0.004	106135	249.1	4	12.514	-0.003	71750	206.2
Aroclor-1260	5	12.258	-0.003	48256	276.6	NS	---			----
Total Col1Ave (5 peaks):					263.1	Total Col2Ave (4 peaks):				207.8 RPD = 23
Corrected Ave (4 peaks):					259.7	Corrected Ave (3 peaks):				201.1 RPD = 25

Total PCB Area Col1 (5.936 - 13.808) = 2342976 Col1 Total PCB = 0.5 ppm*

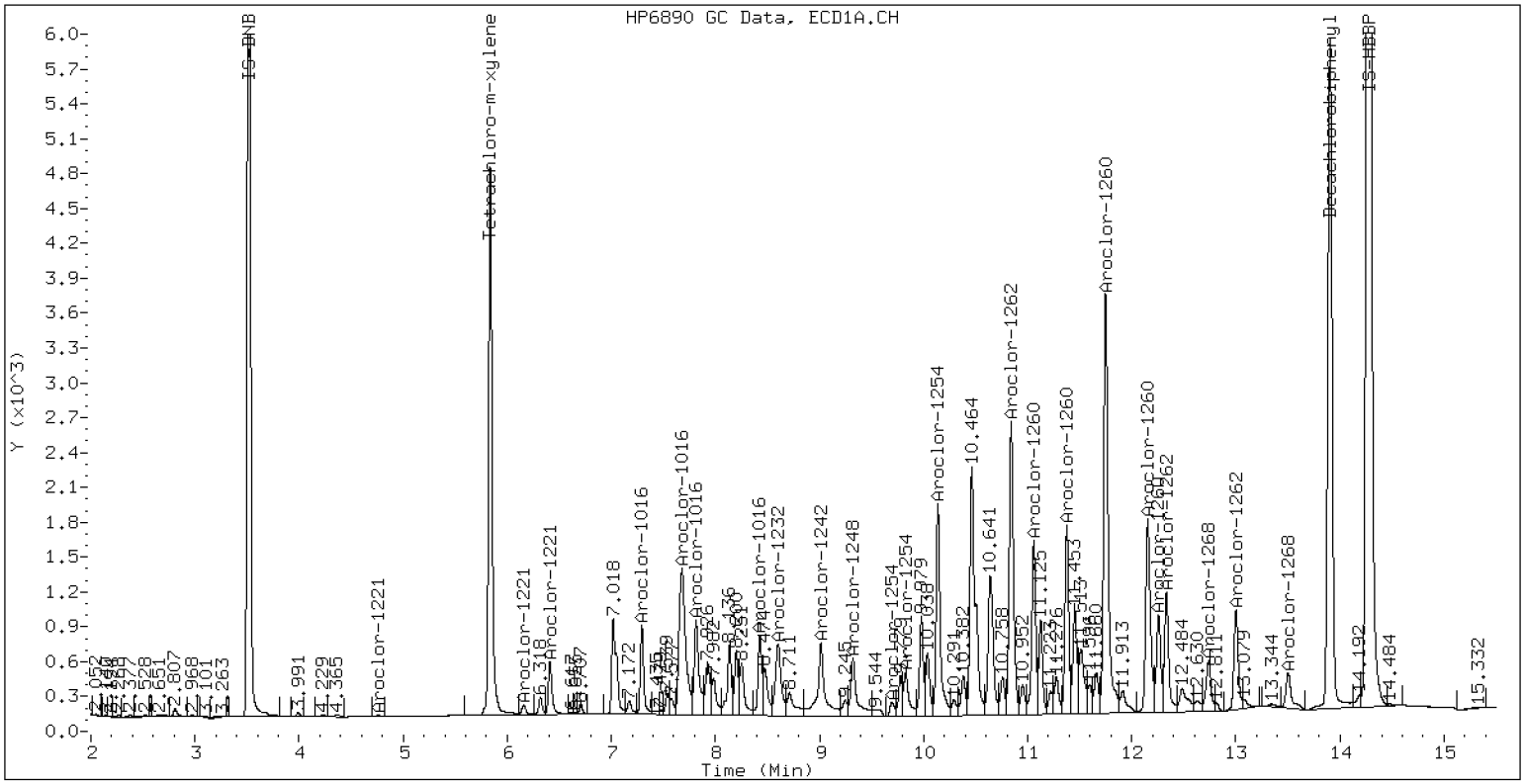
Total PCB Area Col2 (5.936 - 13.808) = 1060644 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

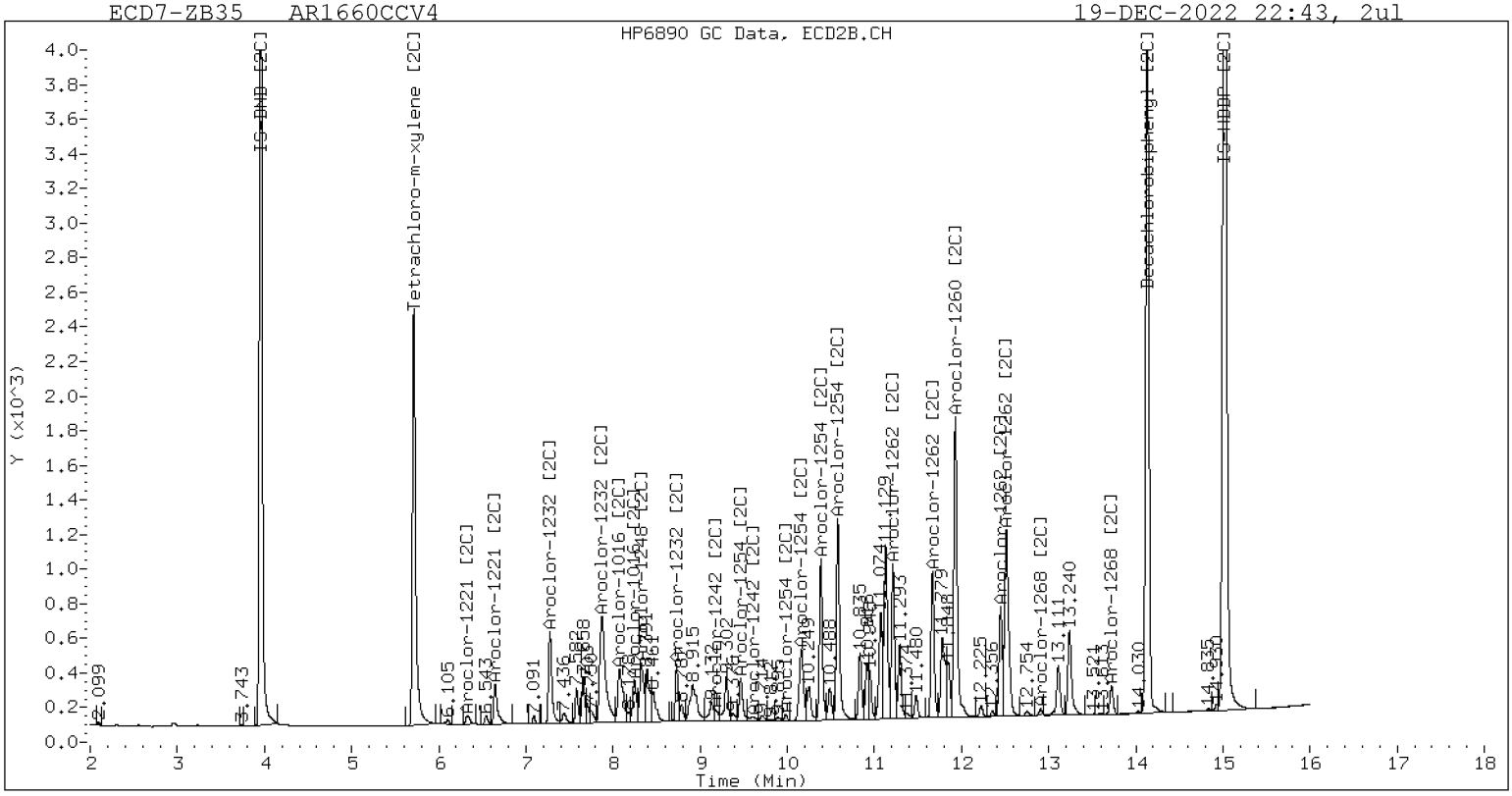
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 19-DEC-2022 22:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 19-DEC-2022 22:43, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192239ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCV5	Injection Time:	04:01
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	234	0.0576965	0.0545197		-6.6	+/-20
Aroclor-1254 (1)	A	250.00	242		0.0680673			
Aroclor-1254 (2)	A	250.00	246		0.0269530			
Aroclor-1254 (3)	A	250.00	181		0.0322904			
Aroclor-1254 (4)	A	250.00	244		0.0847487			
Aroclor-1254 (5)	A	250.00	255		0.0605393			
Aroclor 1254 [2C]	A	250.00	222	0.0638047	0.0576655		-11.0	+/-20
Aroclor-1254 (1) [2C]	A	250.00	236		0.0486642			
Aroclor-1254 (2) [2C]	A	250.00	169		0.0281128			
Aroclor-1254 (3) [2C]	A	250.00	220		0.0784011			
Aroclor-1254 (4) [2C]	A	250.00	243		0.0896370			
Aroclor-1254 (5) [2C]	A	250.00	244		0.0435122			
Decachlorobiphenyl	A	40.000	42.0	0.7333327	0.7708666		5.1	+/-20
Tetrachlorometaxylene	A	40.000	37.8	1.1336710	1.0727240		-5.4	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.9	1.1358180	1.1057600		-2.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.4	1.0966080	1.0242900		-6.6	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192239ECD7.D
Data file 2: /221219.b/221219.b/12192239ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCV5
Client ID:
Injection Date: 20-DEC-2022 04:01
Report Date: 12/21/2022 10:23
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	240537	5.708	-0.005	138756	37.8	37.4	1.3	Tetrachloro-m-xylene
13.904	-0.003	244976	14.133	-0.004	201459	42.0	38.9	7.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	448460	0.2
Hexabromobiphenyl	798898	635586	-20.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	270931	8.8
Hexabromobiphenyl	362541	364381	0.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.316	-0.005	95392	241.6	1	9.464	-0.003	41202	235.9
Aroclor-1254	2	9.395	-0.006	37773	246.0	2	9.981	-0.006	23802	169.5
Aroclor-1254	3	9.689	-0.006	45253	181.5	3	10.133	-0.007	66379	219.9
Aroclor-1254	4	9.824	-0.007	118770	244.3	4	10.382	-0.007	75892	242.8
Aroclor-1254	5	10.179	-0.011	84842	254.6	5	10.579	-0.008	36840	244.3

Total Col1Ave (5 peaks): 233.6 Total Col2Ave (5 peaks): 222.5 RPD = 5

Corrected Ave (4 peaks): 228.3 Corrected Ave (4 peaks): 217.0 RPD = 5

Total PCB Area Col1 (5.936 - 13.808) = 1213202 Col1 Total PCB = 0.2 ppm*

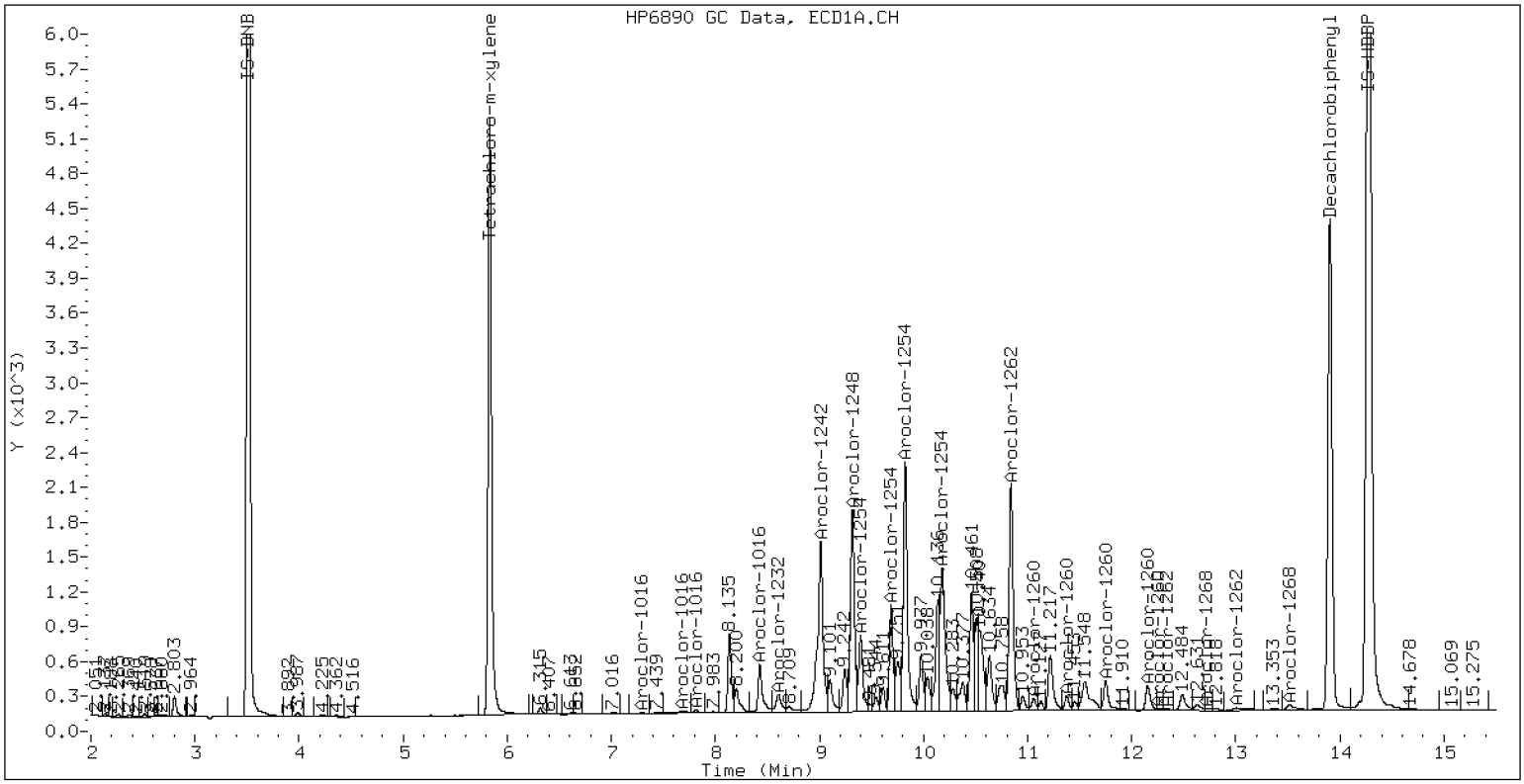
Total PCB Area Col2 (5.936 - 13.808) = 692775 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

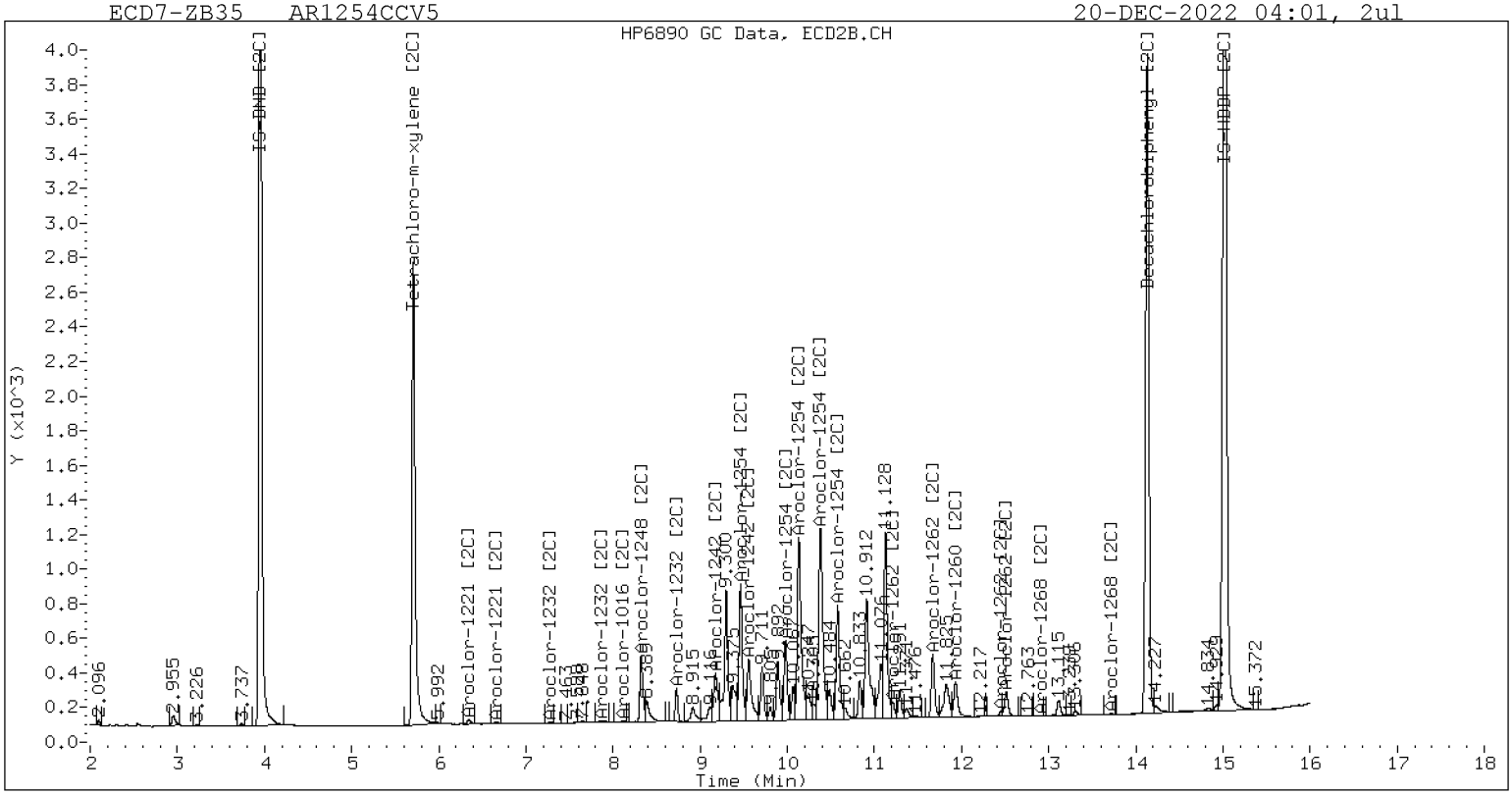
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 20-DEC-2022 04:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 20-DEC-2022 04:01, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192240ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCV6	Injection Time:	04:22
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	272	0.0441939	0.0476855		8.8	+/-20
Aroclor-1016 (1)	A	250.00	268	0.0266860	0.0286602		7.4	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0916857		6.4	
Aroclor-1016 (3)	A	250.00	271	0.0390425	0.0423156		8.4	
Aroclor-1016 (4)	A	250.00	282	0.0248899	0.0280804		12.8	
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0445051		-2.2	+/-20
Aroclor-1016 (1) [2C]	A	250.00	246	0.0409030	0.0402742		-1.5	
Aroclor-1016 (2) [2C]	A	250.00	228	0.0882154	0.0805092		-8.7	
Aroclor-1016 (3) [2C]	A	250.00	238	0.0378846	0.0360123		-4.9	
Aroclor-1016 (4) [2C]	A	250.00	266	0.0199212	0.0212246		6.5	
Aroclor 1260	A	250.00	281	0.0390342	0.0442187		12.6	+/-20
Aroclor-1260 (1)	A	250.00	281	0.0291201	0.0327517		12.5	
Aroclor-1260 (2)	A	250.00	285	0.0301181	0.0343352		14.0	
Aroclor-1260 (3)	A	250.00	289	0.0791351	0.0913222		15.4	
Aroclor-1260 (4)	A	250.00	275	0.0403003	0.0443688		10.1	
Aroclor-1260 (5)	A	250.00	278	0.0164974	0.0183158		11.0	
Aroclor 1260 [2C]	A	250.00	224	0.0617619	0.0536037		-10.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	227	0.0422283	0.0382964		-9.3	
Aroclor-1260 (2) [2C]	A	250.00	204	0.1059643	0.0865041		-18.4	
Aroclor-1260 (3) [2C]	A	250.00	246	0.0282173	0.0278067		-1.5	
Aroclor-1260 (4) [2C]	A	250.00	219	0.0706376	0.0618074		-12.5	
Decachlorobiphenyl	A	40.000	45.3	0.7333327	0.8299039		13.2	+/-20
Tetrachlorometaxylene	A	40.000	40.9	1.1336710	1.1583400		2.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1152510		-1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.2	1.0966080	1.0760400		-1.9	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192240ECD7.D
Data file 2: /221219.b/221219.b/12192240ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV6
Client ID:
Injection Date: 20-DEC-2022 04:22
Report Date: 12/21/2022 10:23
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	230457	5.710	-0.004	127288	40.9	39.2	4.0	Tetrachloro-m-xylene
13.905	-0.003	290895	14.132	-0.005	205118	45.3	39.3	14.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	397909	-11.1
Hexabromobiphenyl	798898	701033	-12.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	236586	-5.0
Hexabromobiphenyl	362541	367842	1.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.003	35638	268.5	1	7.273	-0.002	29776	246.2
Aroclor-1016	2	7.677	-0.007	114008	266.0	2	7.872	0.001	59523	228.2
Aroclor-1016	3	7.811	-0.006	52618	271.0	3	8.071	0.001	26625	237.6
Aroclor-1016	4	8.424	-0.005	34917	282.0	4	8.242	0.001	15692	266.4
Total Col1Ave (4 peaks):					271.9	Total Col2Ave (4 peaks):				244.6 RPD = 11
Corrected Ave (3 peaks):					268.5	Corrected Ave (3 peaks):				237.3 RPD = 12
Aroclor-1260	1	11.058	-0.004	71750	281.2	1	11.666	-0.003	44022	226.7
Aroclor-1260	2	11.373	-0.004	75219	285.0	2	11.928	-0.004	99437	204.1
Aroclor-1260	3	11.747	-0.005	200062	288.5	3	12.447	-0.004	31964	246.4
Aroclor-1260	4	12.151	-0.007	97200	275.2	4	12.512	-0.004	71048	218.7
Aroclor-1260	5	12.256	-0.005	40125	277.6	NS	---			----
Total Col1Ave (5 peaks):					281.5	Total Col2Ave (4 peaks):				224.0 RPD = 23
Corrected Ave (4 peaks):					279.7	Corrected Ave (3 peaks):				216.5 RPD = 25

Total PCB Area Col1 (5.936 - 13.808) = 2066557 Col1 Total PCB = 0.5 ppm*

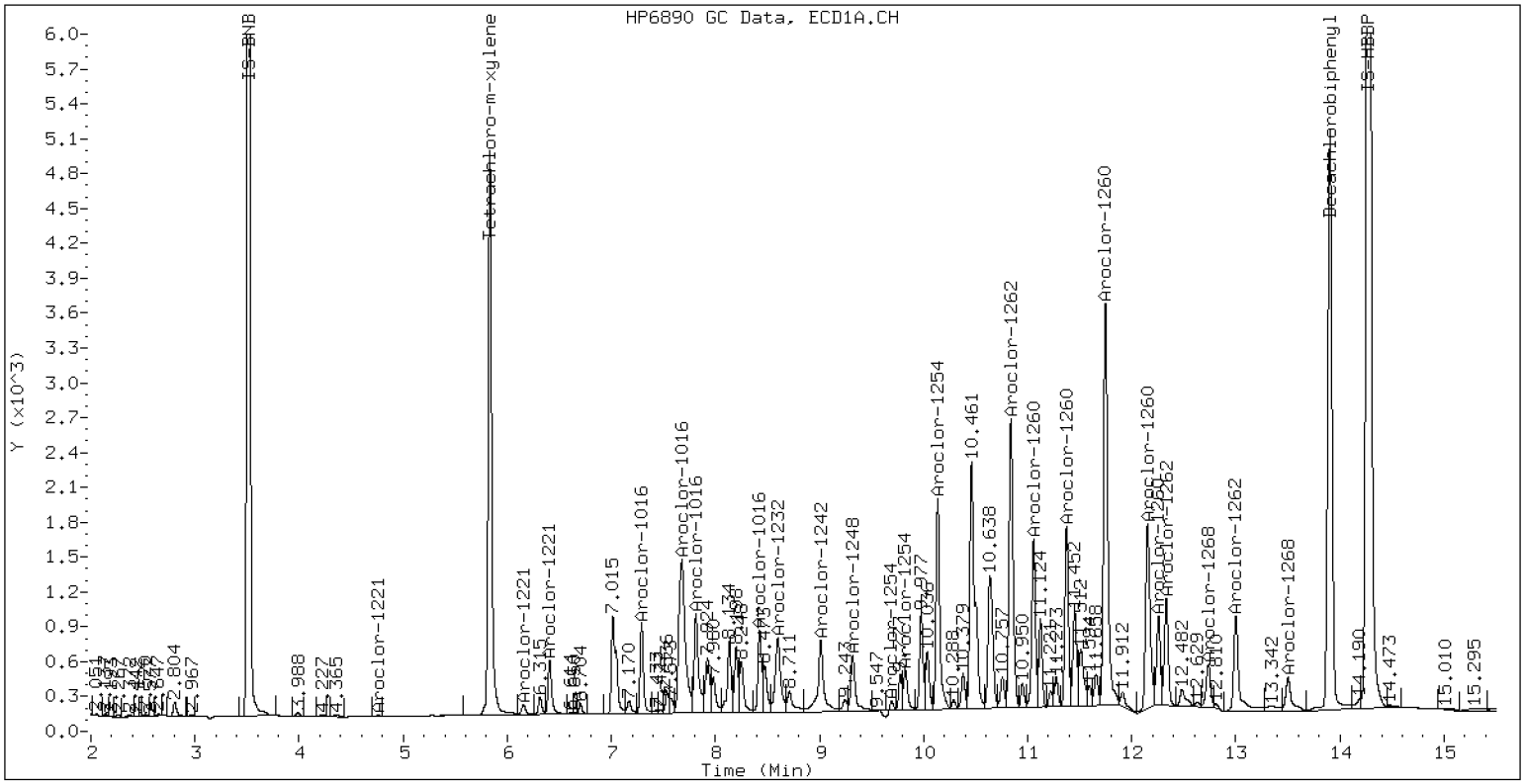
Total PCB Area Col2 (5.936 - 13.808) = 1085262 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

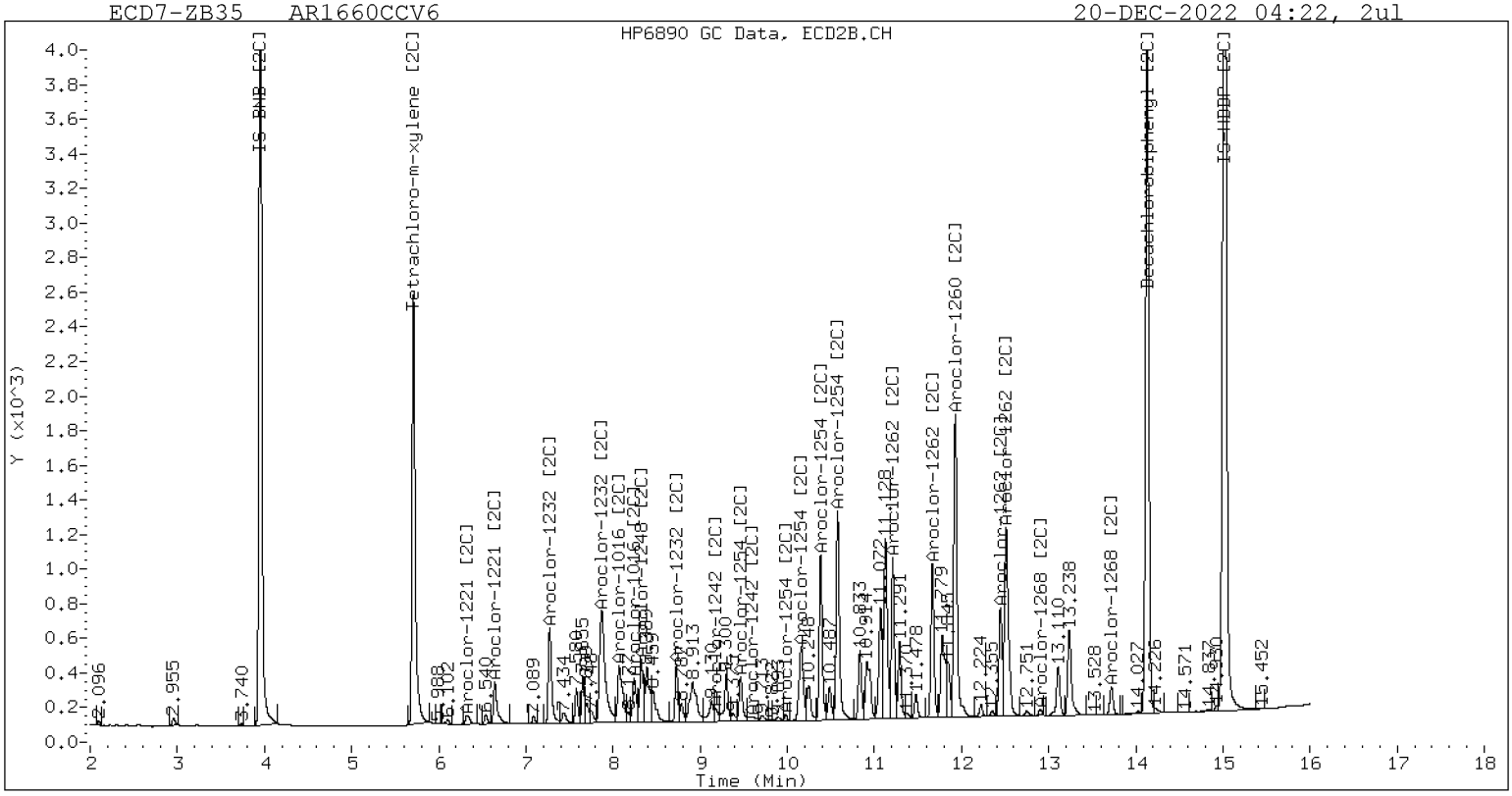
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 20-DEC-2022 04:22, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV6 20-DEC-2022 04:22, 2ul

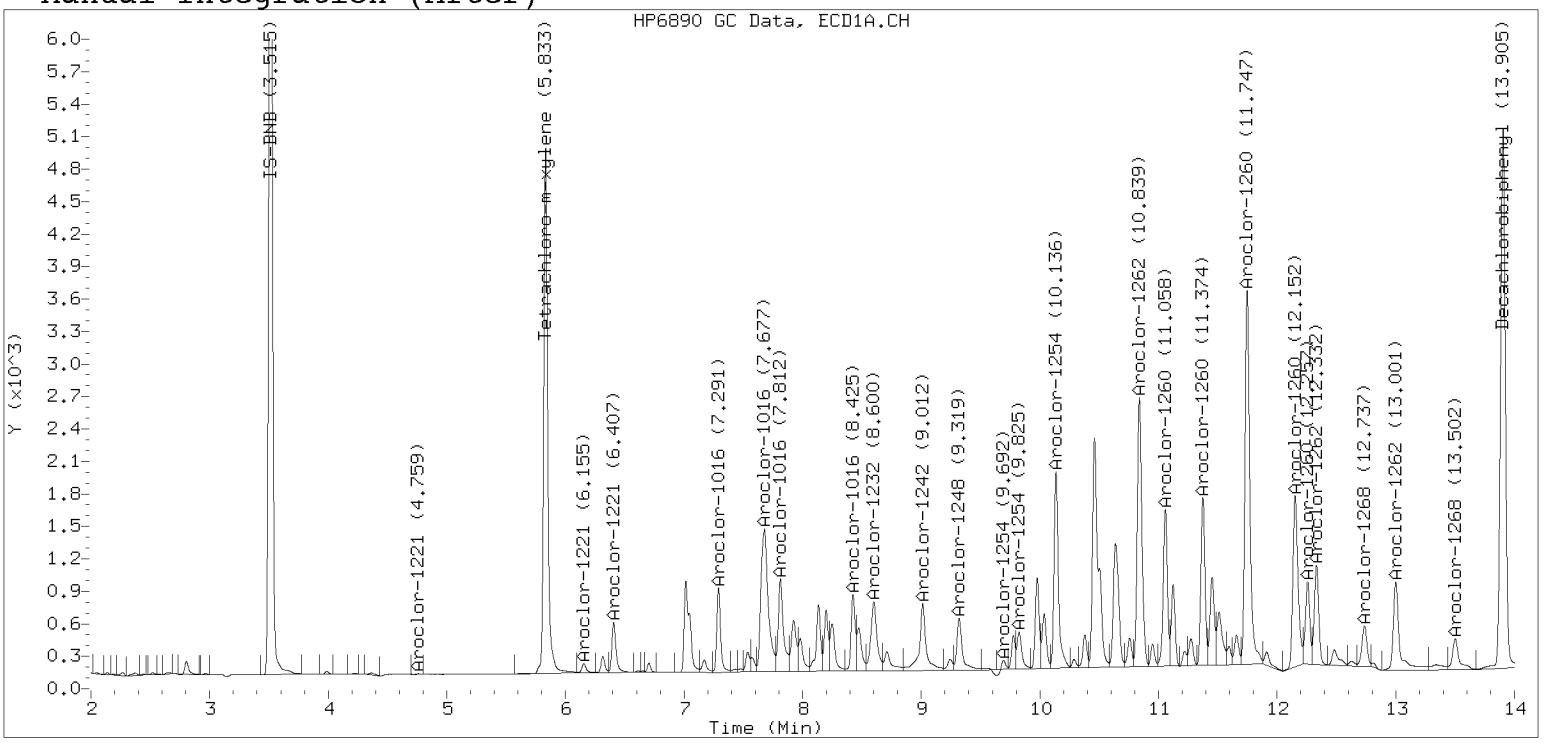


ZB-35 Manual Integration: NO

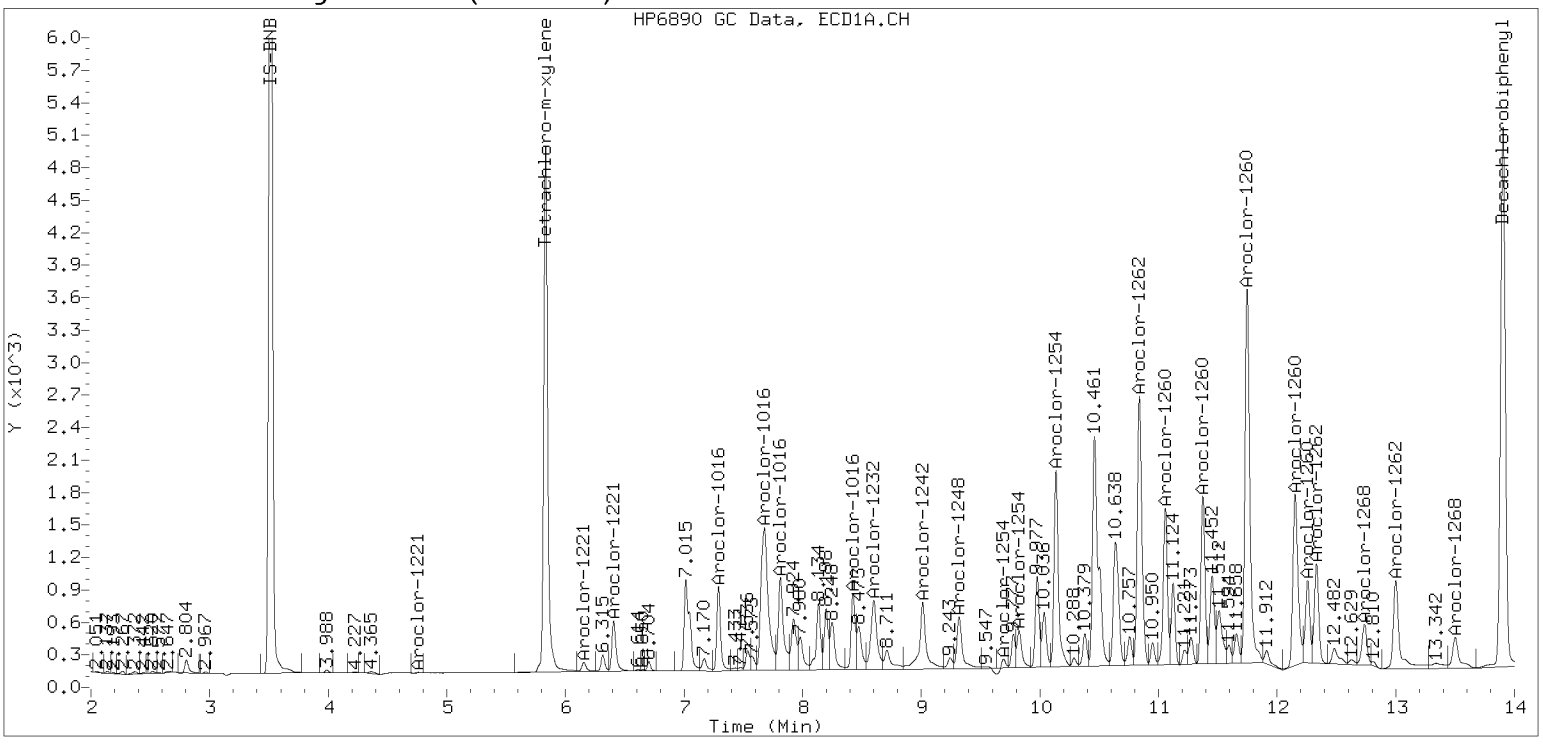
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192240ECD7.D Injection Date: 20-DEC-2022 04:22

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192249ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCV7	Injection Time:	07:33
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	239	0.0490062	0.0477133		-4.5	+/-20
Aroclor-1248 (1)	A	250.00	267		0.0367041			
Aroclor-1248 (2)	A	250.00	278		0.0487671			
Aroclor-1248 (3)	A	250.00	260		0.0820608			
Aroclor-1248 (4)	A	250.00	151		0.0233210			
Aroclor 1248 [2C]	A	250.00	236	0.0394876	0.0375091		-5.6	+/-20
Aroclor-1248 (1) [2C]	A	250.00	248		0.0324072			
Aroclor-1248 (2) [2C]	A	250.00	195		0.0268313			
Aroclor-1248 (3) [2C]	A	250.00	261		0.0435754			
Aroclor-1248 (4) [2C]	A	250.00	241		0.0472227			
Decachlorobiphenyl	A	40.000	42.7	0.7333327	0.7833501		6.8	+/-20
Tetrachlorometaxylene	A	40.000	36.5	1.1336710	1.0340920		-8.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.7	1.1358180	1.0994330		-3.2	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.7	1.0966080	1.0049440		-8.4	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192249ECD7.D
Data file 2: /221219.b/221219.b/12192249ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV7
Client ID:
Injection Date: 20-DEC-2022 07:33
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	232485	5.711	-0.002	136399	36.5	36.7	0.5	Tetrachloro-m-xylene
13.905	-0.003	224628	14.132	-0.005	192806	42.7	38.7	9.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	449641	0.4
Hexabromobiphenyl	798898	573506	-28.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	271456	9.0
Hexabromobiphenyl	362541	350737	-3.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.424	-0.004	51574	266.8	1	8.323	-0.003	27491	247.9
Aroclor-1248	2	8.600	-0.005	68524	277.6	2	8.729	-0.003	22761	195.1
Aroclor-1248	3	9.018	-0.004	115306	259.7	3	9.172	-0.005	36965	260.5
Aroclor-1248	4	9.310	-0.001	32769	150.6	4	9.595	-0.007	40059	240.5
Total Col1Ave (4 peaks):					238.7	Total Col2Ave (4 peaks):				236.0 RPD = 1
Corrected Ave (3 peaks):					225.7	Corrected Ave (3 peaks):				227.9 RPD = 1

Total PCB Area Col1 (5.936 - 13.808) = 1040551 Col1 Total PCB = 0.2 ppm*

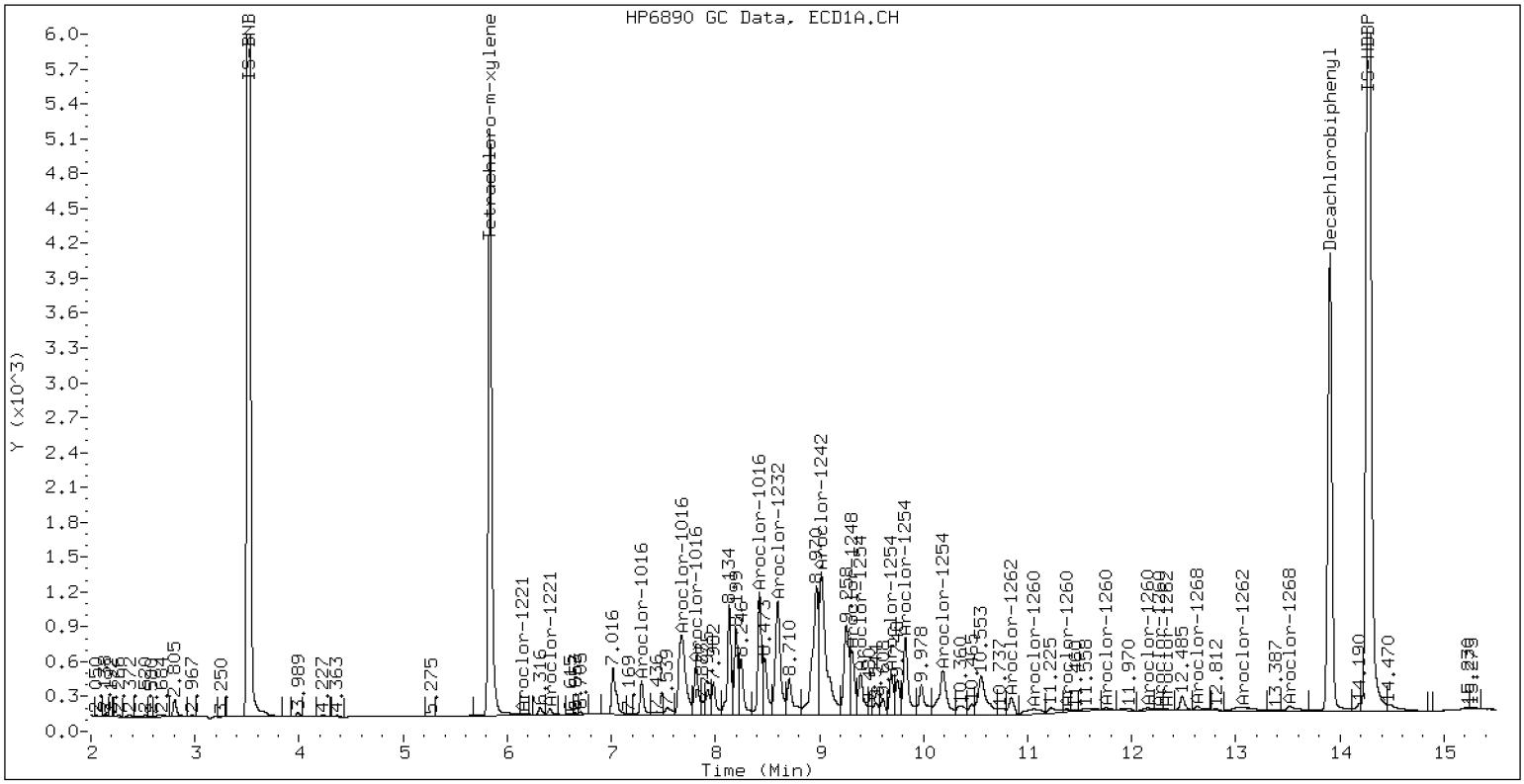
Total PCB Area Col2 (5.936 - 13.808) = 526293 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

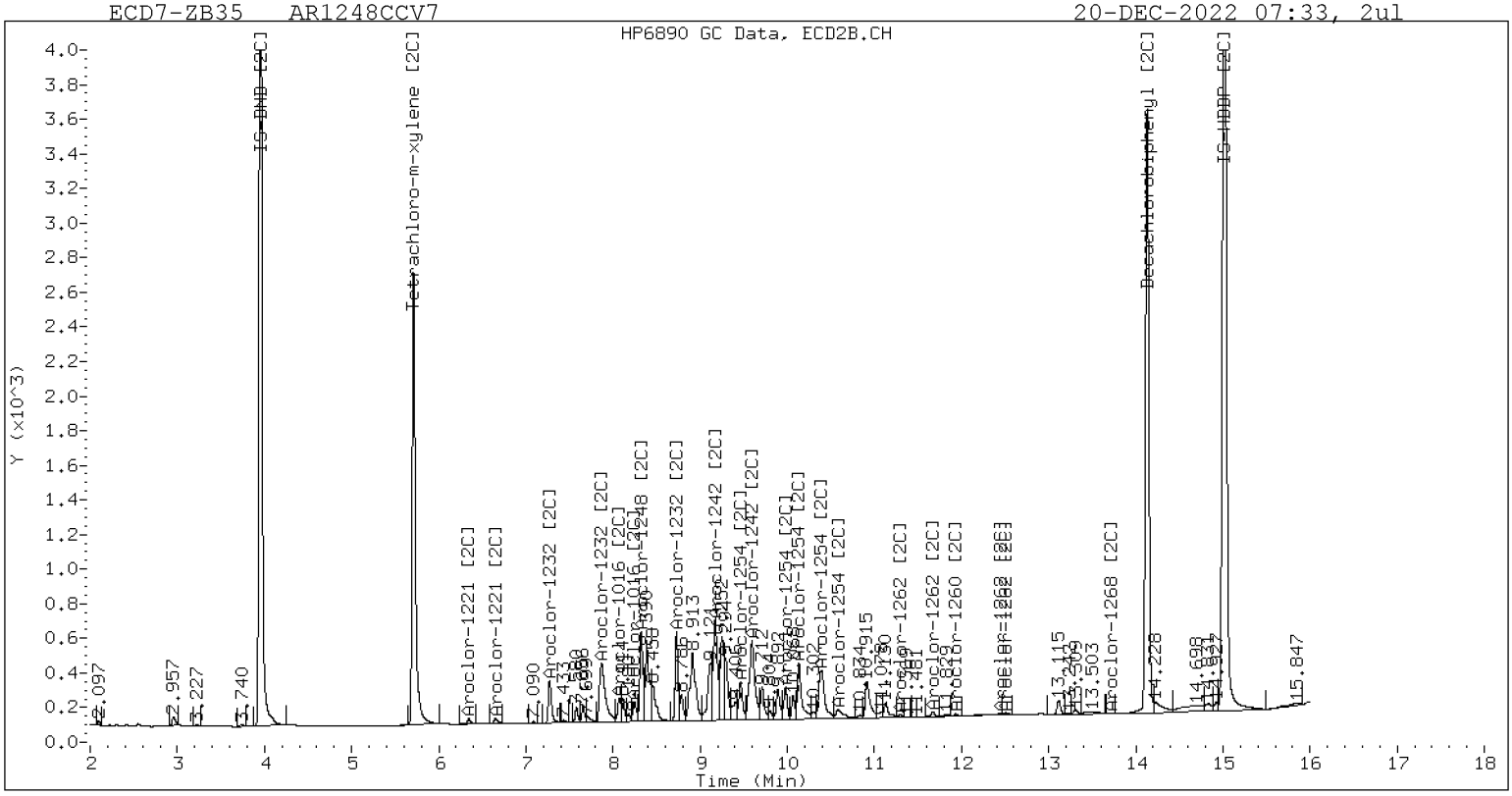
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 20-DEC-2022 07:33, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 20-DEC-2022 07:33, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192250ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCV8	Injection Time:	07:54
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	265	0.0441939	0.0467401		6.2	+/-20
Aroclor-1016 (1)	A	250.00	259	0.0266860	0.0276706		3.7	
Aroclor-1016 (2)	A	250.00	263	0.0861572	0.0905518		5.1	
Aroclor-1016 (3)	A	250.00	265	0.0390425	0.0413623		5.9	
Aroclor-1016 (4)	A	250.00	275	0.0248899	0.0273755		10.0	
Aroclor 1016 [2C]	A	250.00	238	0.0467310	0.0432532		-4.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	242	0.0409030	0.0396171		-3.1	
Aroclor-1016 (2) [2C]	A	250.00	220	0.0882154	0.0776665		-12.0	
Aroclor-1016 (3) [2C]	A	250.00	231	0.0378846	0.0349727		-7.7	
Aroclor-1016 (4) [2C]	A	250.00	260	0.0199212	0.0207566		4.2	
Aroclor 1260	A	250.00	293	0.0390342	0.0458841		17.2	+/-20
Aroclor-1260 (1)	A	250.00	298	0.0291201	0.0347318		19.3	
Aroclor-1260 (2)	A	250.00	298	0.0301181	0.0359220		19.3	
Aroclor-1260 (3)	A	250.00	296	0.0791351	0.0937932		18.5	
Aroclor-1260 (4)	A	250.00	285	0.0403003	0.0460104		14.2	
Aroclor-1260 (5)	A	250.00	287	0.0164974	0.0189629		14.9	
Aroclor 1260 [2C]	A	250.00	233	0.0617619	0.0555277		-7.0	+/-20
Aroclor-1260 (1) [2C]	A	250.00	239	0.0422283	0.0403705		-4.4	
Aroclor-1260 (2) [2C]	A	250.00	211	0.1059643	0.0895513		-15.5	
Aroclor-1260 (3) [2C]	A	250.00	256	0.0282173	0.0288697		2.3	
Aroclor-1260 (4) [2C]	A	250.00	224	0.0706376	0.0633194		-10.4	
Decachlorobiphenyl	A	40.000	45.3	0.7333327	0.8298834		13.2	+/-20
Tetrachlorometaxylene	A	40.000	40.3	1.1336710	1.1423190		0.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.5	1.1358180	1.1228470		-1.1	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.7	1.0966080	1.0879620		-0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192250ECD7.D
Data file 2: /221219.b/221219.b/12192250ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV8
Client ID:
Injection Date: 20-DEC-2022 07:54
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	229750	5.710	-0.004	130921	40.3	39.7	1.6	Tetrachloro-m-xylene
13.904	-0.004	264605	14.132	-0.005	194655	45.3	39.5	13.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	402252	-10.1
Hexabromobiphenyl	798898	637692	-20.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	240672	-3.4
Hexabromobiphenyl	362541	346717	-4.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.290	-0.004	34783	259.2	1	7.274	-0.002	29796	242.1
Aroclor-1016	2	7.675	-0.010	113827	262.8	2	7.871	0.000	58413	220.1
Aroclor-1016	3	7.810	-0.008	51994	264.9	3	8.071	0.000	26303	230.8
Aroclor-1016	4	8.424	-0.006	34412	275.0	4	8.241	-0.000	15611	260.5
	Total Col1Ave (4 peaks):				265.4	Total Col2Ave (4 peaks):				238.4 RPD = 11
	Corrected Ave (3 peaks):				262.3	Corrected Ave (3 peaks):				231.0 RPD = 13
Aroclor-1260	1	11.055	-0.007	69213	298.2	1	11.665	-0.004	43741	239.0
Aroclor-1260	2	11.374	-0.004	71585	298.2	2	11.927	-0.006	97028	211.3
Aroclor-1260	3	11.746	-0.005	186910	296.3	3	12.448	-0.004	31280	255.8
Aroclor-1260	4	12.152	-0.006	91689	285.4	4	12.512	-0.005	68606	224.1
Aroclor-1260	5	12.257	-0.004	37789	287.4	NS	---			----
	Total Col1Ave (5 peaks):				293.1	Total Col2Ave (4 peaks):				232.5 RPD = 23
	Corrected Ave (4 peaks):				291.8	Corrected Ave (3 peaks):				224.8 RPD = 26

Total PCB Area Col1 (5.936 - 13.808) = 1963788 Col1 Total PCB = 0.4 ppm*

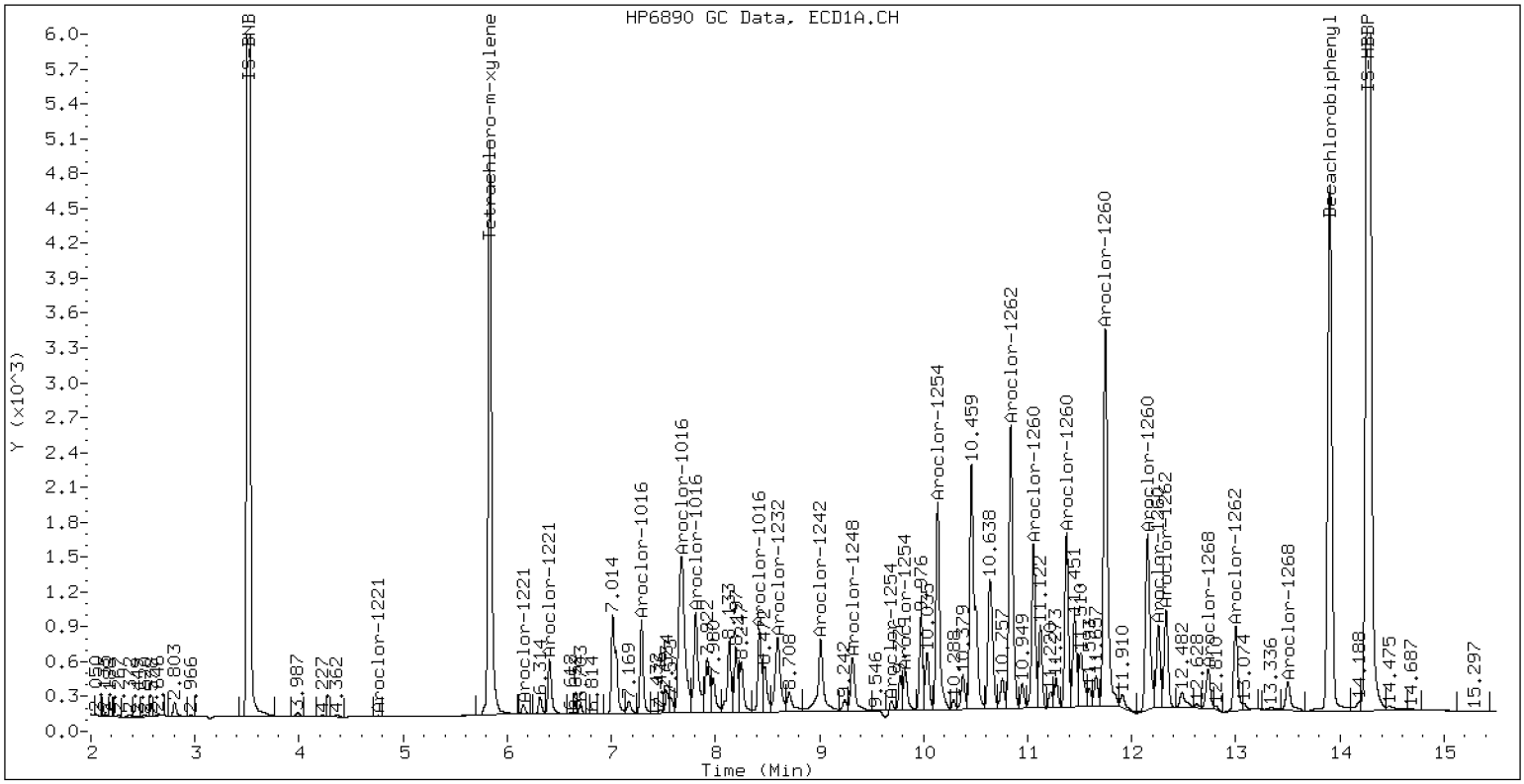
Total PCB Area Col2 (5.936 - 13.808) = 1058010 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

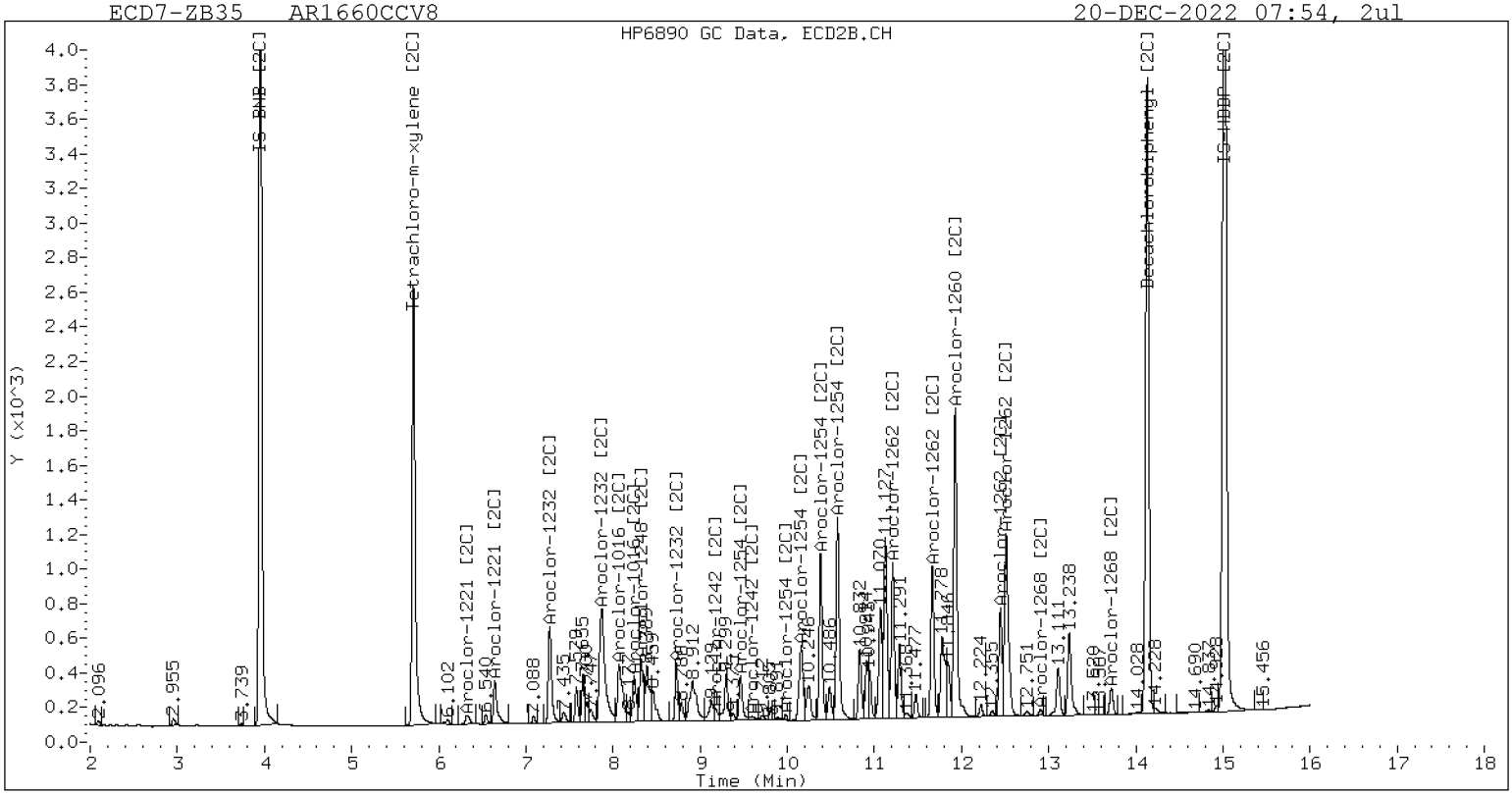
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 20-DEC-2022 07:54, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV8 20-DEC-2022 07:54, 2ul

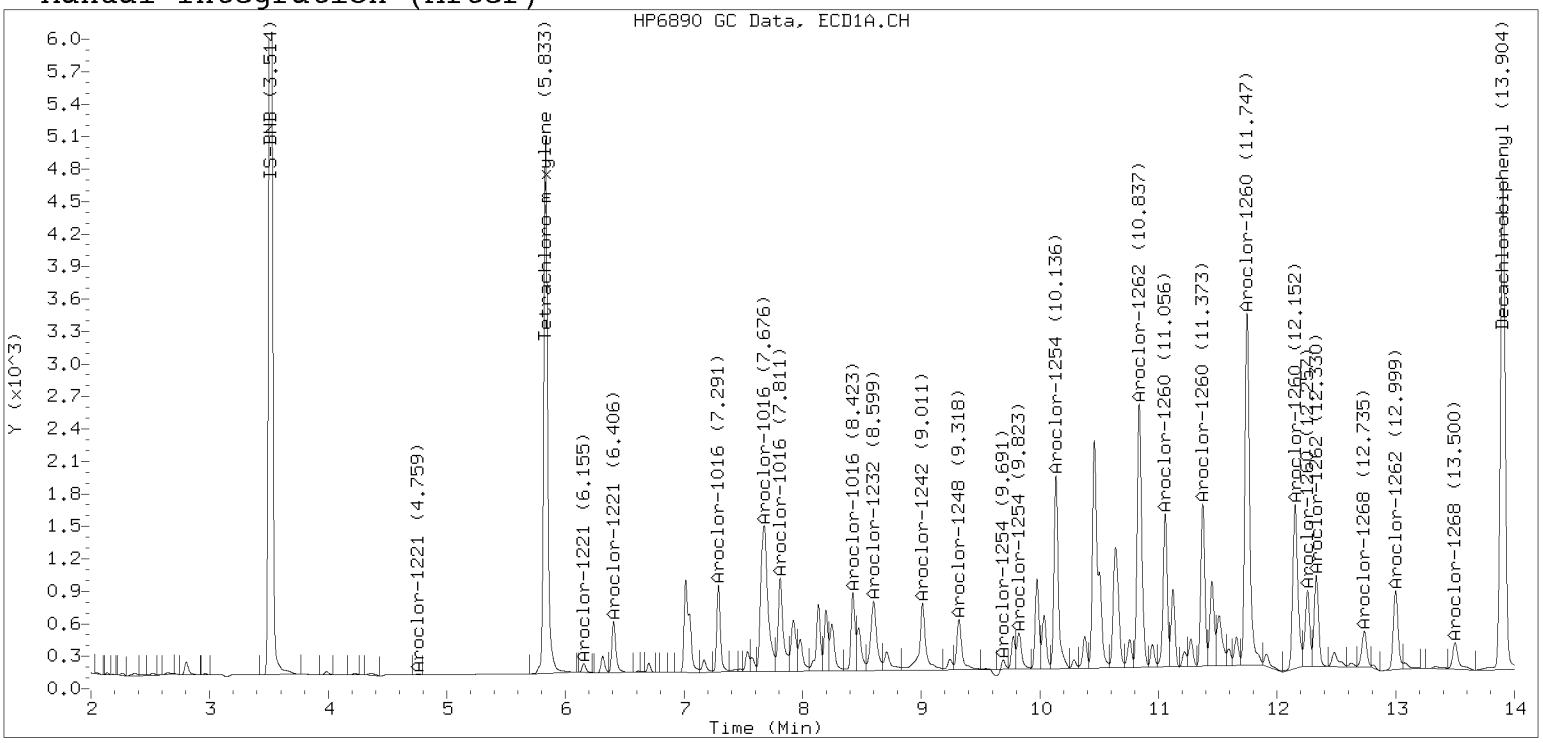


ZB-35 Manual Integration: NO

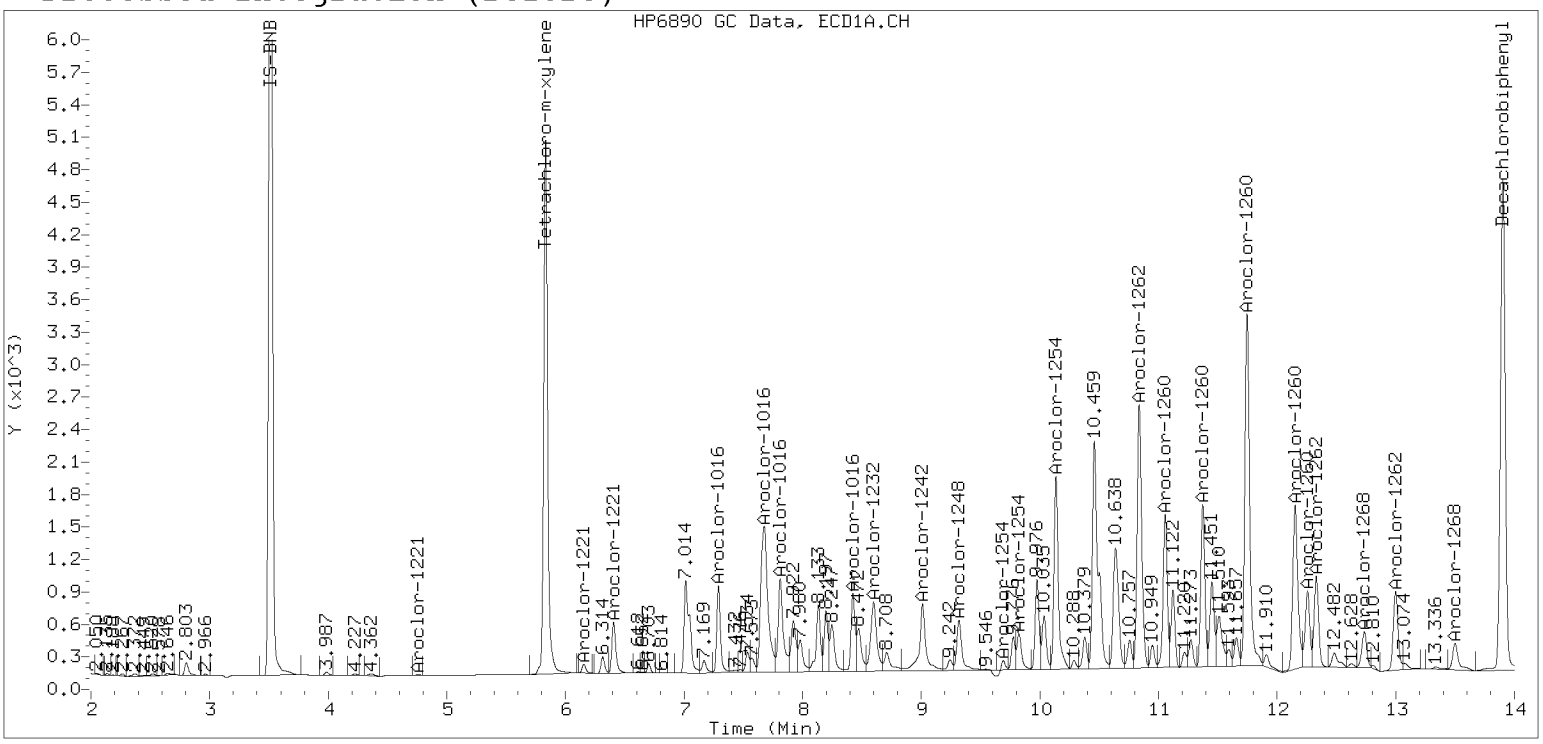
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192250ECD7.D Injection Date: 20-DEC-2022 07:54

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192260ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCV9	Injection Time:	11:27
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	261	0.0396000	0.0412092		4.5	+/-20
Aroclor-1242 (1)	A	250.00	268		0.0242884			
Aroclor-1242 (2)	A	250.00	268		0.0773040			
Aroclor-1242 (3)	A	250.00	272		0.0225221			
Aroclor-1242 (4)	A	250.00	237		0.0407223			
Aroclor 1242 [2C]	A	250.00	241	0.0391981	0.0363245		-3.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	253		0.0342264			
Aroclor-1242 (2) [2C]	A	250.00	208		0.0598702			
Aroclor-1242 (3) [2C]	A	250.00	260		0.0240786			
Aroclor-1242 (4) [2C]	A	250.00	243		0.0271228			
Decachlorobiphenyl	A	40.000	41.4	0.7333327	0.7592557		3.5	+/-20
Tetrachlorometaxylene	A	40.000	39.5	1.1336710	1.1193300		-1.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.3	1.1358180	1.0886020		-4.2	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.6	1.0966080	1.0586400		-3.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192260ECD7.D
Data file 2: /221219.b/221219.b/12192260ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV9
Client ID:
Injection Date: 20-DEC-2022 11:27
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	257044	5.709	-0.004	147170	39.5	38.6	2.3	Tetrachloro-m-xylene
13.903	-0.004	225319	14.131	-0.006	192265	41.4	38.3	7.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	459282	2.6
Hexabromobiphenyl	798898	593526	-25.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	278036	11.6
Hexabromobiphenyl	362541	353233	-2.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.290	-0.005	34860	267.8	1	7.274	-0.003	29738	252.7
Aroclor-1242	2	7.675	-0.010	110951	268.4	2	7.870	-0.004	52019	208.2
Aroclor-1242	3	8.423	-0.006	32325	271.8	3	9.172	-0.006	20921	259.6
Aroclor-1242	4	9.022	-0.009	58447	236.7	4	9.593	-0.012	23566	243.3
Total Col1Ave (4 peaks):					261.2	Total Col2Ave (4 peaks):				241.0 RPD = 8
Corrected Ave (3 peaks):					257.6	Corrected Ave (3 peaks):				234.8 RPD = 9

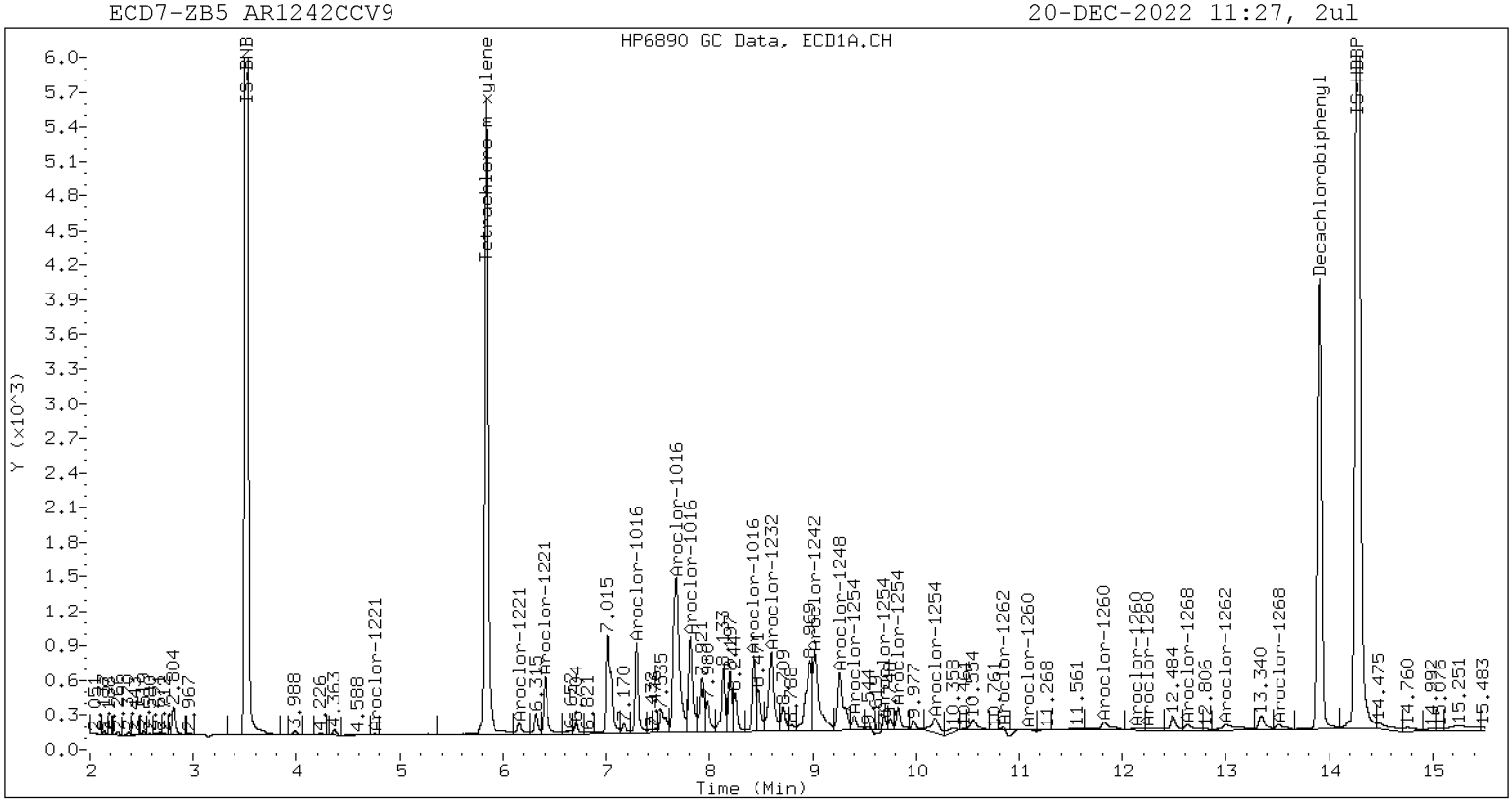
Total PCB Area Col1 (5.936 - 13.808) = 850859 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (5.936 - 13.808) = 420930 Col2 Total PCB = 0.2 ppm*

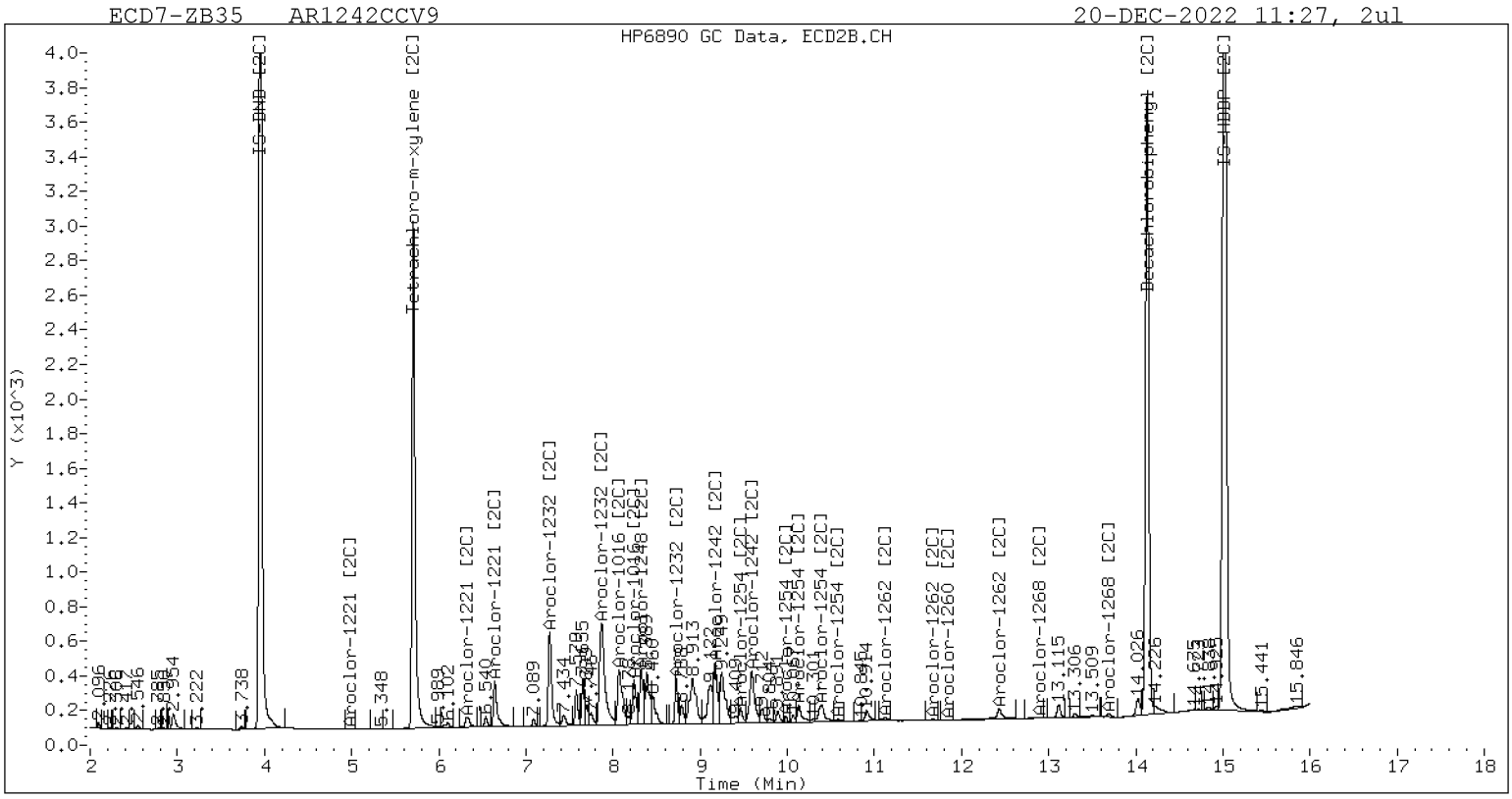
* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

PCB Dual Column Chromatograms



ZB-5 Manual Integration: YES

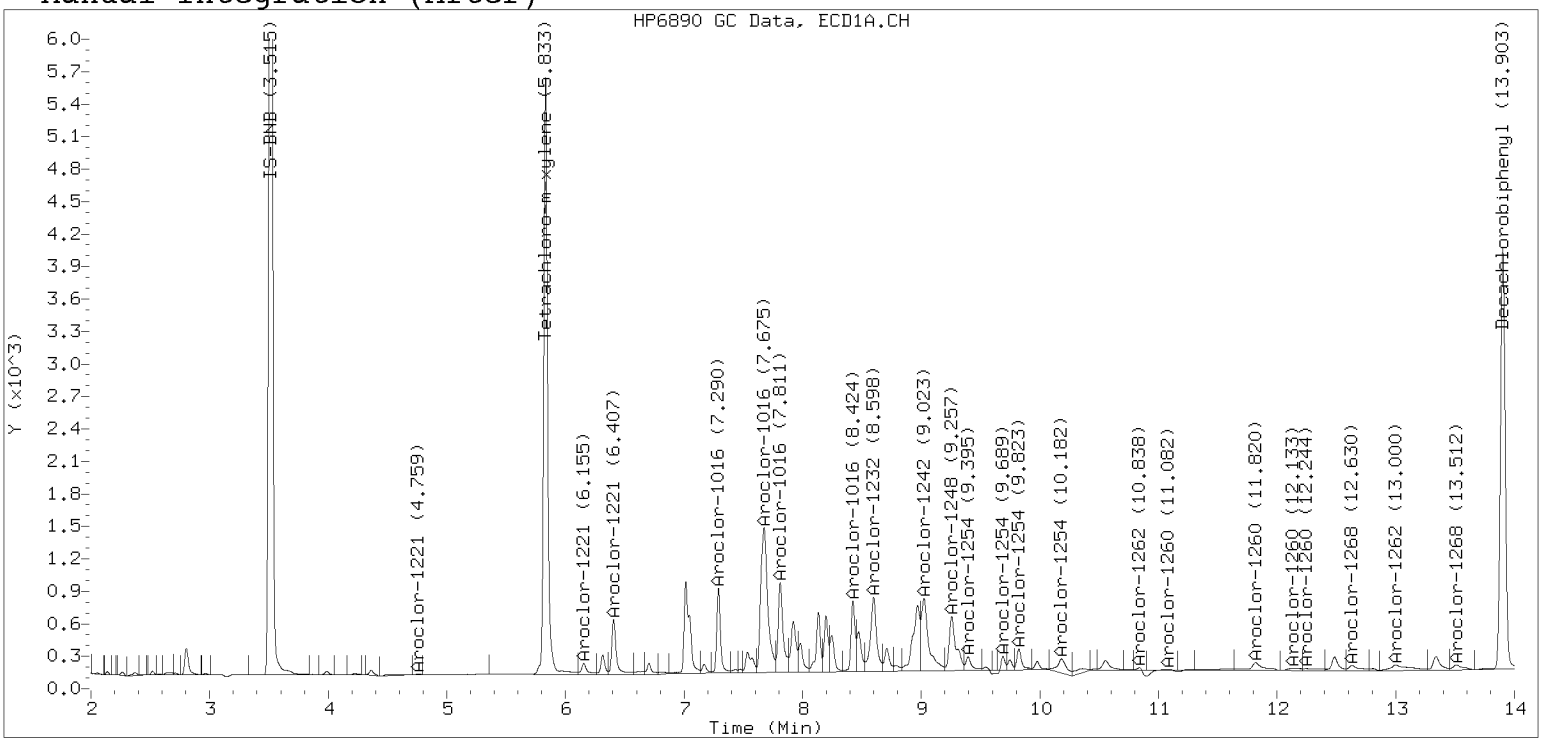


ZB-35 Manual Integration: NO

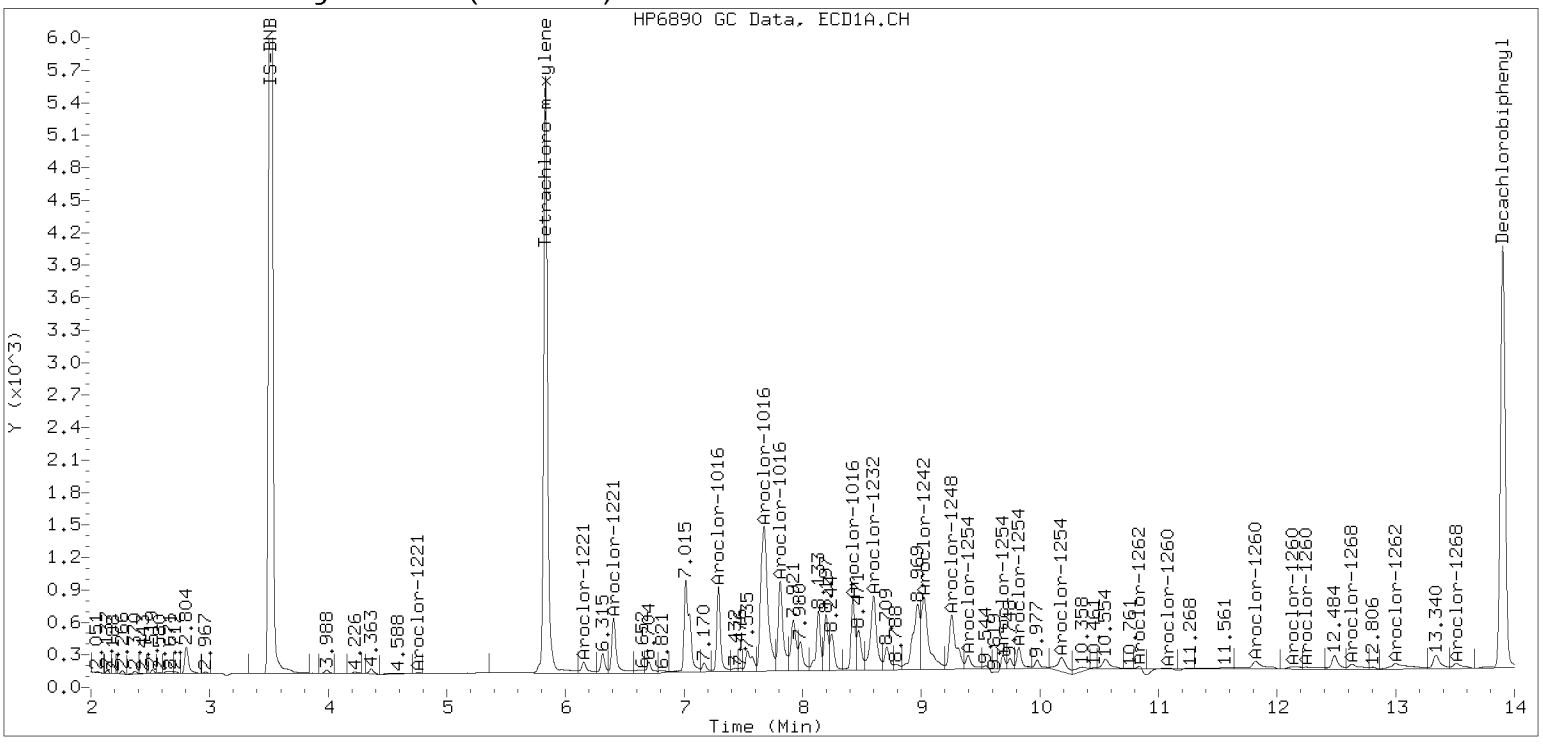
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192260ECD7.D Injection Date: 20-DEC-2022 11:27

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12192261ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0282	Injection Date:	12/20/22
Lab Sample ID:	SKL0282-CCVA	Injection Time:	11:48
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	262	0.0441939	0.0462713		5.0	+/-20
Aroclor-1016 (1)	A	250.00	258	0.0266860	0.0275708		3.3	
Aroclor-1016 (2)	A	250.00	261	0.0861572	0.0899495		4.4	
Aroclor-1016 (3)	A	250.00	261	0.0390425	0.0406900		4.2	
Aroclor-1016 (4)	A	250.00	270	0.0248899	0.0268748		8.0	
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0436046		-3.8	+/-20
Aroclor-1016 (1) [2C]	A	250.00	246	0.0409030	0.0403110		-1.4	
Aroclor-1016 (2) [2C]	A	250.00	221	0.0882154	0.0779796		-11.6	
Aroclor-1016 (3) [2C]	A	250.00	233	0.0378846	0.0352615		-6.9	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0208661		4.7	
Aroclor 1260	A	250.00	297	0.0390342	0.0464483		18.7	+/-20
Aroclor-1260 (1)	A	250.00	307	0.0291201	0.0357947		22.9	
Aroclor-1260 (2)	A	250.00	304	0.0301181	0.0366388		21.7	
Aroclor-1260 (3)	A	250.00	299	0.0791351	0.0945001		19.4	
Aroclor-1260 (4)	A	250.00	288	0.0403003	0.0464200		15.2	
Aroclor-1260 (5)	A	250.00	286	0.0164974	0.0188880		14.5	
Aroclor 1260 [2C]	A	250.00	234	0.0617619	0.0556534		-6.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	242	0.0422283	0.0408093		-3.4	
Aroclor-1260 (2) [2C]	A	250.00	210	0.1059643	0.0890432		-16.0	
Aroclor-1260 (3) [2C]	A	250.00	261	0.0282173	0.0295008		4.5	
Aroclor-1260 (4) [2C]	A	250.00	224	0.0706376	0.0632603		-10.4	
Decachlorobiphenyl	A	40.000	45.6	0.7333327	0.8360011		14.0	+/-20
Tetrachlorometaxylene	A	40.000	40.6	1.1336710	1.1509870		1.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.9	1.1358180	1.1322980		-0.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.2	1.0966080	1.0743670		-2.0	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221219.b/12192261ECD7.D
Data file 2: /221219.b/221219.b/12192261ECD7.D
Method: \\target\share\chem4\ecd7.i\221219.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVA
Client ID:
Injection Date: 20-DEC-2022 11:48
Report Date: 12/21/2022 10:24
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.004	234155	5.710	-0.004	131473	40.6	39.2	3.6	Tetrachloro-m-xylene
13.903	-0.005	267336	14.132	-0.005	198622	45.6	39.9	13.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	406877	-9.1
Hexabromobiphenyl	798898	639559	-19.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	244745	-1.7
Hexabromobiphenyl	362541	350830	-3.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	7.289	-0.005	35056	258.3	1	7.273	-0.002	30831	246.4
Aroclor-1016	2	7.676	-0.008	114370	261.0	2	7.871	0.000	59641	221.0
Aroclor-1016	3	7.811	-0.007	51737	260.5	3	8.071	0.001	26969	232.7
Aroclor-1016	4	8.424	-0.006	34171	269.9	4	8.241	0.000	15959	261.9
	Total Col1Ave (4 peaks):				262.4	Total Col2Ave (4 peaks):				240.5 RPD = 9
	Corrected Ave (3 peaks):				259.9	Corrected Ave (3 peaks):				233.4 RPD = 11
Aroclor-1260	1	11.056	-0.006	71540	307.3	1	11.666	-0.004	44741	241.6
Aroclor-1260	2	11.373	-0.005	73227	304.1	2	11.928	-0.005	97622	210.1
Aroclor-1260	3	11.748	-0.004	188870	298.5	3	12.448	-0.004	32343	261.4
Aroclor-1260	4	12.151	-0.007	92776	288.0	4	12.511	-0.005	69355	223.9
Aroclor-1260	5	12.256	-0.005	37750	286.2	NS	---			----
	Total Col1Ave (5 peaks):				296.8	Total Col2Ave (4 peaks):				234.2 RPD = 24
	Corrected Ave (4 peaks):				294.2	Corrected Ave (3 peaks):				225.2 RPD = 27

Total PCB Area Col1 (5.936 - 13.808) = 2003437 Col1 Total PCB = 0.4 ppm*

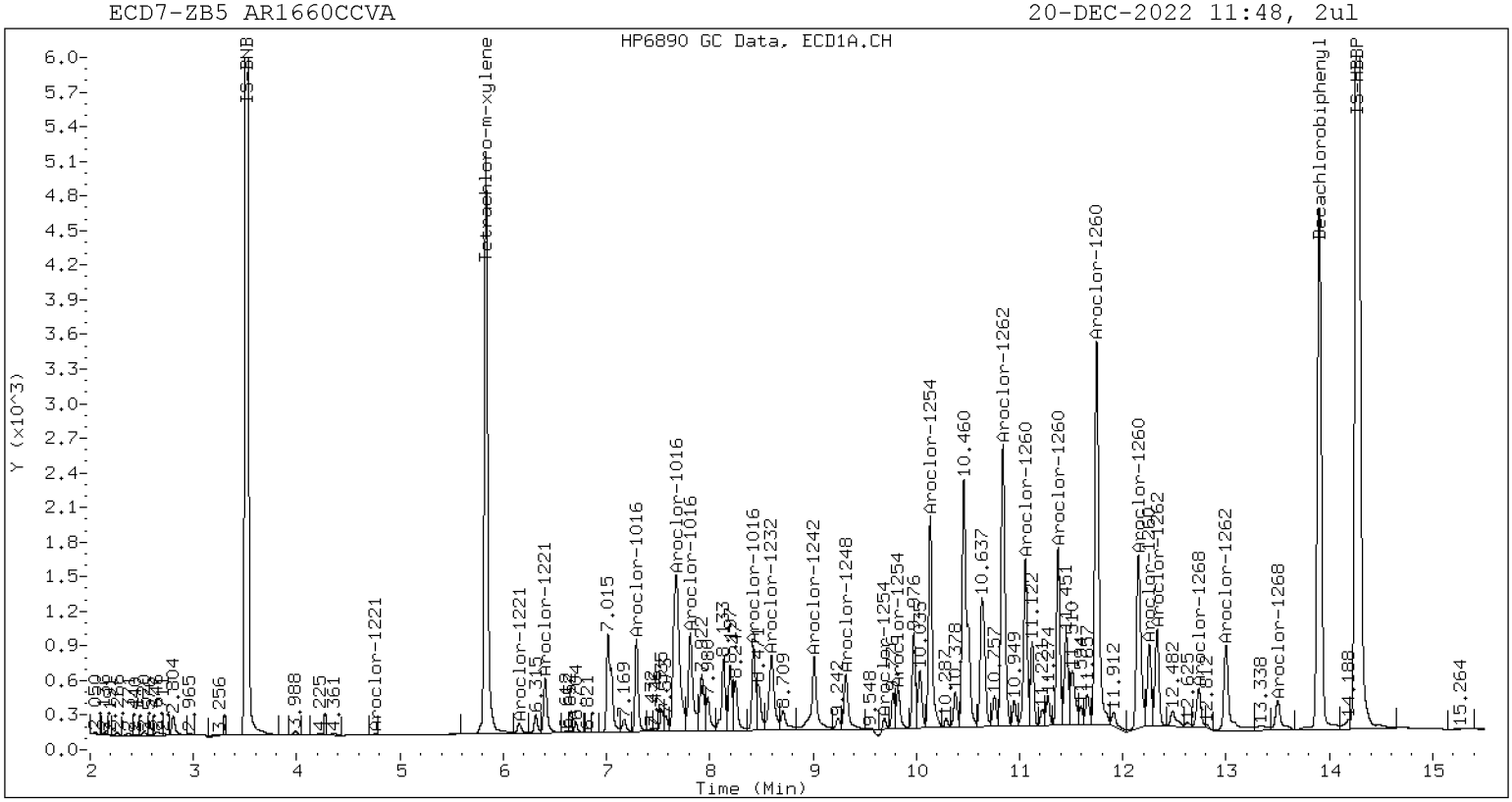
Total PCB Area Col2 (5.936 - 13.808) = 1077903 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

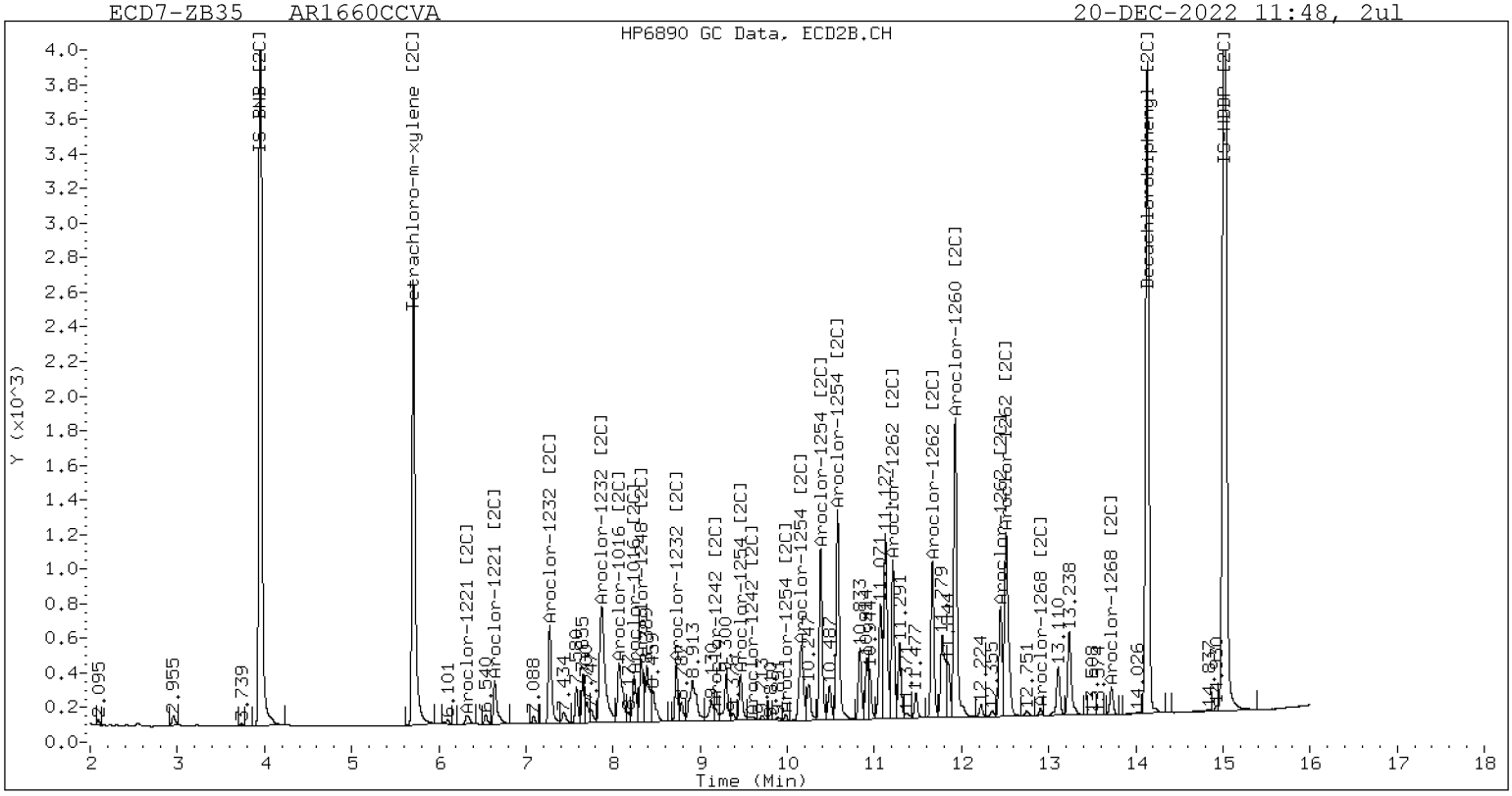
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 20-DEC-2022 11:48, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCVA 20-DEC-2022 11:48, 2ul

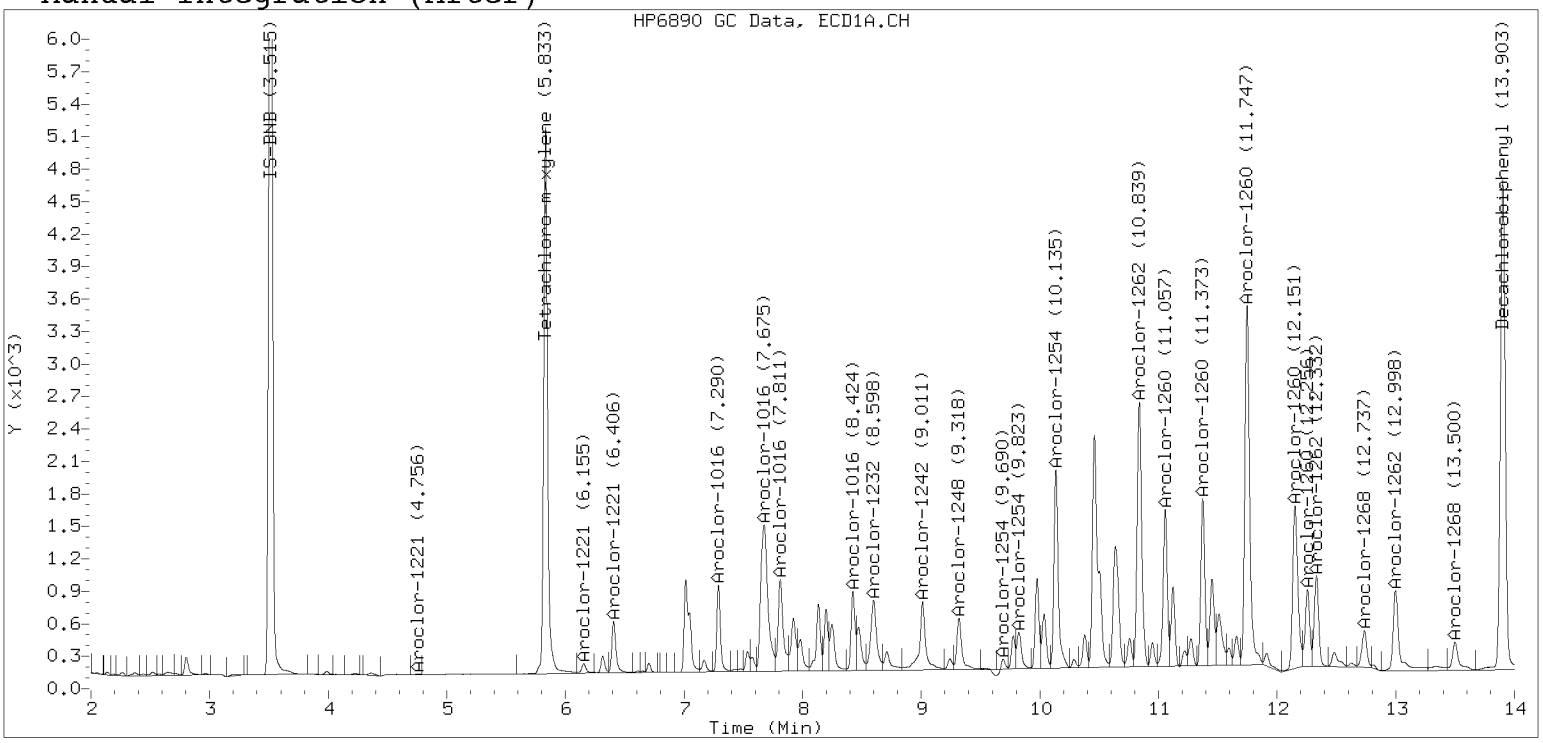


ZB-35 Manual Integration: NO

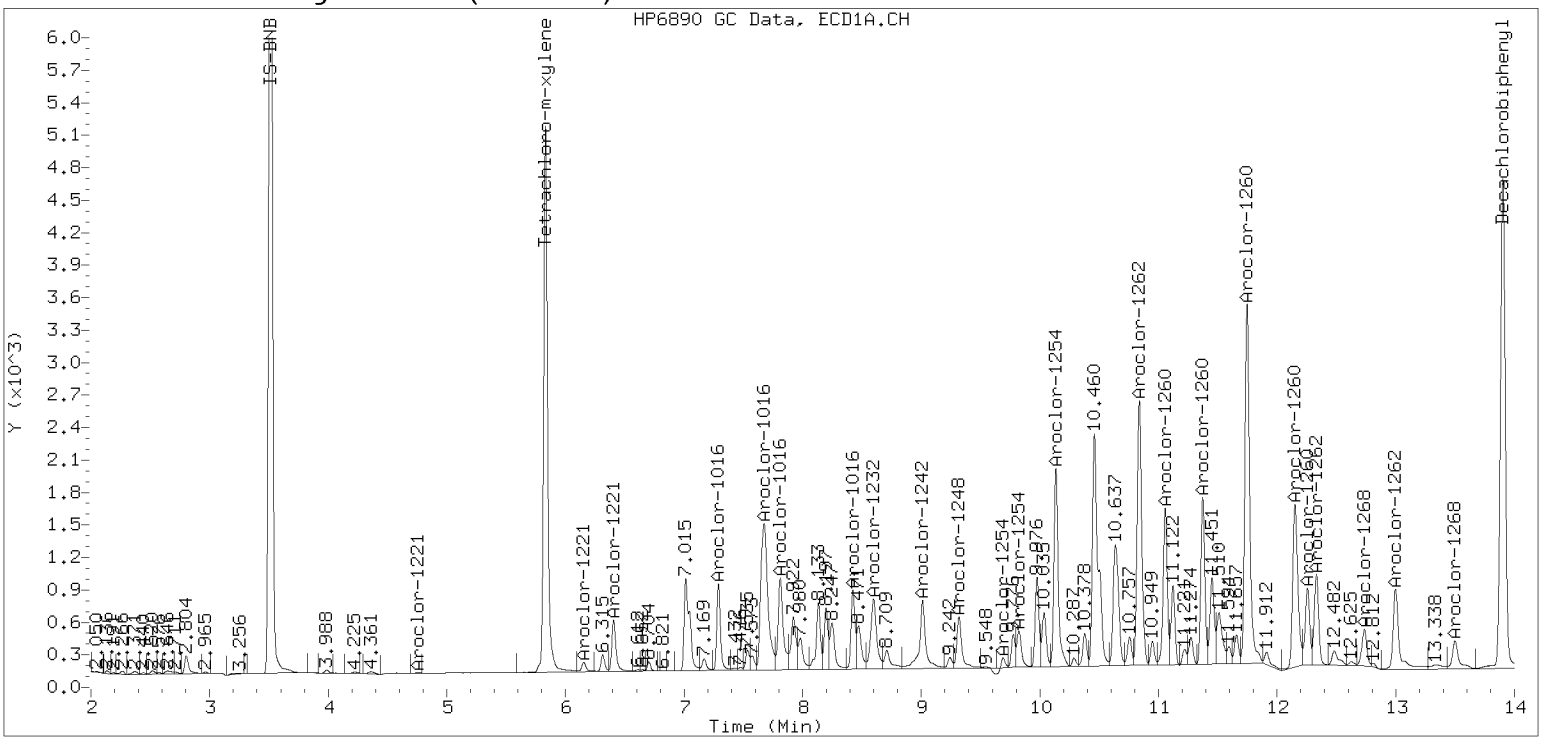
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221219.b/12192261ECD7.D Injection Date: 20-DEC-2022 11:48

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202214ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-CCV1	Injection Time:	17:21
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	249	0.0490062	0.0498480		-0.5	+/-20
Aroclor-1248 (1)	A	250.00	276		0.0379604			
Aroclor-1248 (2)	A	250.00	287		0.0503885			
Aroclor-1248 (3)	A	250.00	274		0.0864344			
Aroclor-1248 (4)	A	250.00	159		0.0246086			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0381304		-4.1	+/-20
Aroclor-1248 (1) [2C]	A	250.00	252		0.0329573			
Aroclor-1248 (2) [2C]	A	250.00	198		0.0272090			
Aroclor-1248 (3) [2C]	A	250.00	264		0.0440724			
Aroclor-1248 (4) [2C]	A	250.00	246		0.0482829			
Decachlorobiphenyl	A	40.000	42.3	0.7333327	0.7752128		5.7	+/-20
Tetrachlorometaxylene	A	40.000	36.5	1.1336710	1.0338230		-8.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.8	1.1358180	1.1030480		-2.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.1	1.0966080	1.0174330		-7.2	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202214ECD7.D
Data file 2: /221220.b/221220.b/12202214ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV1
Client ID:
Injection Date: 20-DEC-2022 17:21
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	0.000	219020	5.713	-0.000	127550	36.5	37.1	1.7	Tetrachloro-m-xylene
13.905	-0.003	252862	14.132	-0.005	195251	42.3	38.8	8.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	423709	-5.3
Hexabromobiphenyl	798898	652368	-18.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	250729	0.7
Hexabromobiphenyl	362541	354021	-2.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.425	-0.002	50263	275.9	1	8.325	-0.001	25823	252.1
Aroclor-1248	2	8.600	-0.004	66719	286.8	2	8.730	-0.002	21319	197.9
Aroclor-1248	3	9.019	-0.003	114447	273.5	3	9.175	-0.003	34532	263.5
Aroclor-1248	4	9.310	-0.001	32584	158.9	4	9.596	-0.006	37831	245.9

Total Col1Ave (4 peaks): 248.8 Total Col2Ave (4 peaks): 239.9 RPD = 4

Corrected Ave (3 peaks): 236.1 Corrected Ave (3 peaks): 232.0 RPD = 2

Total PCB Area Col1 (5.936 - 13.808) = 1051898 Col1 Total PCB = 0.2 ppm*

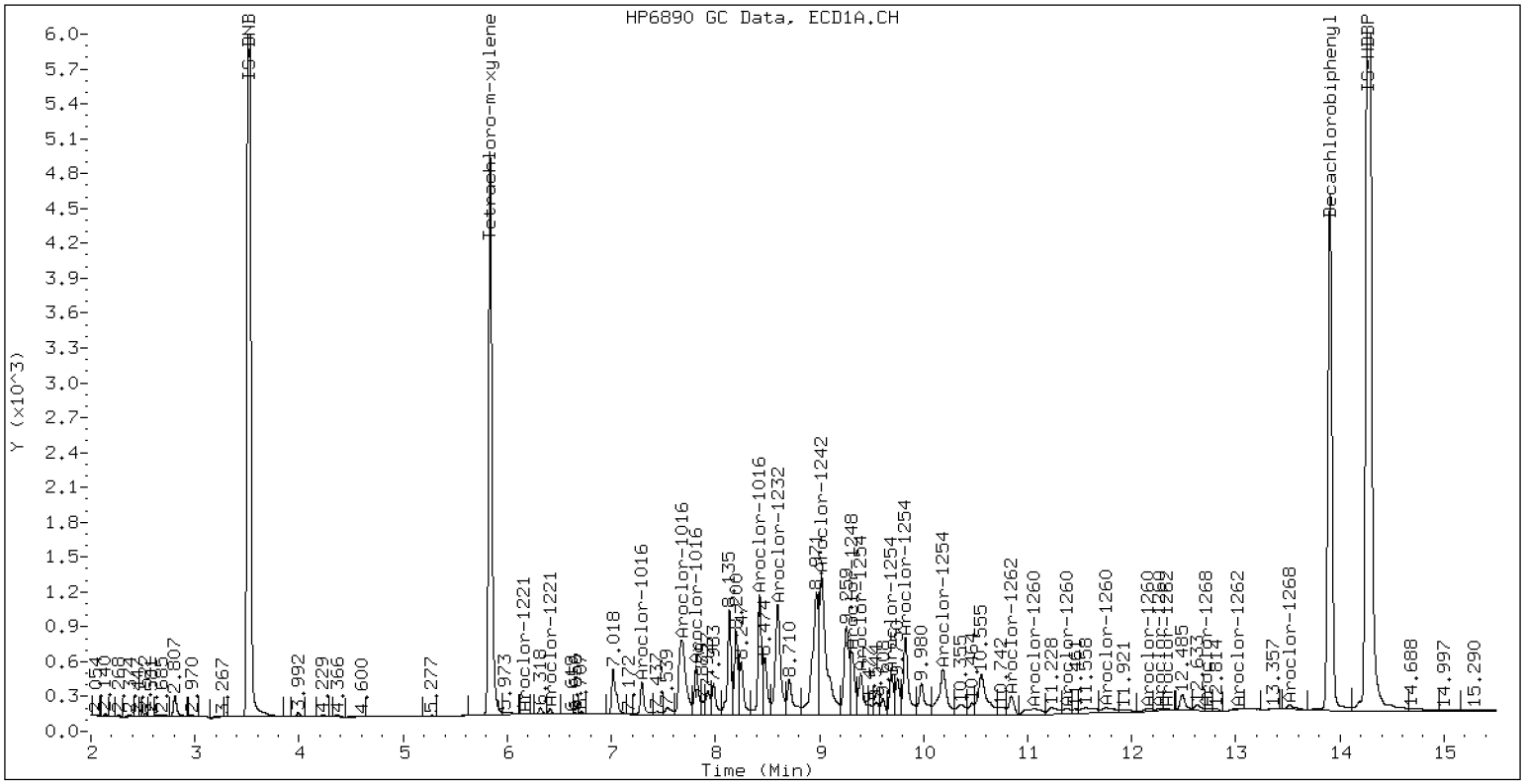
Total PCB Area Col2 (5.936 - 13.808) = 483858 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

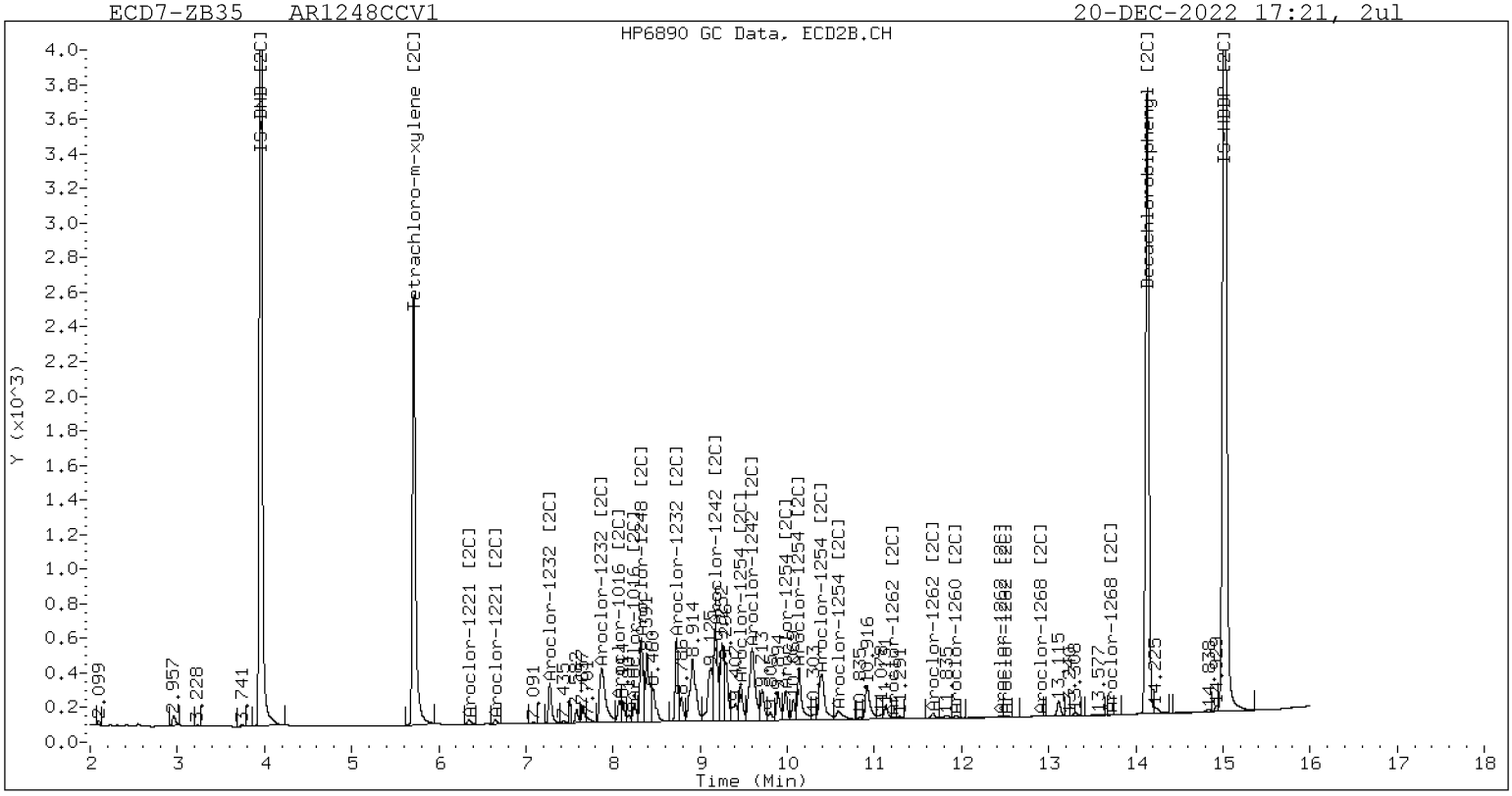
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 20-DEC-2022 17:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 20-DEC-2022 17:21, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202215ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-CCV2	Injection Time:	17:42
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	263	0.0441939	0.0462985		5.2	+/-20
Aroclor-1016 (1)	A	250.00	254	0.0266860	0.0271189		1.6	
Aroclor-1016 (2)	A	250.00	260	0.0861572	0.0895403		3.9	
Aroclor-1016 (3)	A	250.00	264	0.0390425	0.0411900		5.5	
Aroclor-1016 (4)	A	250.00	275	0.0248899	0.0273449		9.9	
Aroclor 1016 [2C]	A	250.00	243	0.0467310	0.0442426		-2.8	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0409079		0.01	
Aroclor-1016 (2) [2C]	A	250.00	225	0.0882154	0.0794585		-9.9	
Aroclor-1016 (3) [2C]	A	250.00	237	0.0378846	0.0359101		-5.2	
Aroclor-1016 (4) [2C]	A	250.00	260	0.0199212	0.0206936		3.9	
Aroclor 1260	A	250.00	281	0.0390342	0.0440849		12.6	+/-20
Aroclor-1260 (1)	A	250.00	282	0.0291201	0.0328513		12.8	
Aroclor-1260 (2)	A	250.00	283	0.0301181	0.0341193		13.3	
Aroclor-1260 (3)	A	250.00	285	0.0791351	0.0903594		14.2	
Aroclor-1260 (4)	A	250.00	277	0.0403003	0.0446177		10.7	
Aroclor-1260 (5)	A	250.00	280	0.0164974	0.0184770		12.0	
Aroclor 1260 [2C]	A	250.00	226	0.0617619	0.0535899		-9.8	+/-20
Aroclor-1260 (1) [2C]	A	250.00	233	0.0422283	0.0393640		-6.8	
Aroclor-1260 (2) [2C]	A	250.00	202	0.1059643	0.0854916		-19.3	
Aroclor-1260 (3) [2C]	A	250.00	251	0.0282173	0.0283381		0.4	
Aroclor-1260 (4) [2C]	A	250.00	216	0.0706376	0.0611661		-13.4	
Decachlorobiphenyl	A	40.000	45.2	0.7333327	0.8277953		12.9	+/-20
Tetrachlorometaxylene	A	40.000	40.6	1.1336710	1.1493600		1.4	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.0	1.1358180	1.1077230		-2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.6	1.0966080	1.0861100		-1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202215ECD7.D
Data file 2: /221220.b/221220.b/12202215ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV2
Client ID:
Injection Date: 20-DEC-2022 17:42
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.836	-0.000	194470	5.713	-0.001	109841	40.6	39.6	2.3	Tetrachloro-m-xylene
13.905	-0.003	249834	14.133	-0.004	173764	45.2	39.0	14.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	338397	-24.4
Hexabromobiphenyl	798898	603613	-24.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	202265	-18.8
Hexabromobiphenyl	362541	313732	-13.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.292	-0.002	28678	254.1	1	7.275	0.000	25857	250.0
Aroclor-1016	2	7.676	-0.008	94688	259.8	2	7.874	0.004	50224	225.2
Aroclor-1016	3	7.811	-0.006	43558	263.8	3	8.073	0.003	22698	237.0
Aroclor-1016	4	8.424	-0.005	28917	274.7	4	8.244	0.003	13080	259.7
	Total Col1Ave (4 peaks):				263.1		Total Col2Ave (4 peaks):			243.0 RPD = 8
	Corrected Ave (3 peaks):				259.2		Corrected Ave (3 peaks):			237.4 RPD = 9
Aroclor-1260	1	11.059	-0.003	61967	282.0	1	11.667	-0.003	38593	233.0
Aroclor-1260	2	11.375	-0.003	64359	283.2	2	11.929	-0.004	83817	201.7
Aroclor-1260	3	11.748	-0.004	170444	285.5	3	12.448	-0.003	27783	251.1
Aroclor-1260	4	12.151	-0.007	84162	276.8	4	12.513	-0.004	59968	216.5
Aroclor-1260	5	12.256	-0.005	34853	280.0	NS	---			----
	Total Col1Ave (5 peaks):				281.5		Total Col2Ave (4 peaks):			225.6 RPD = 22
	Corrected Ave (4 peaks):				280.5		Corrected Ave (3 peaks):			217.1 RPD = 25

Total PCB Area Col1 (5.936 - 13.808) = 1753486 Col1 Total PCB = 0.4 ppm*

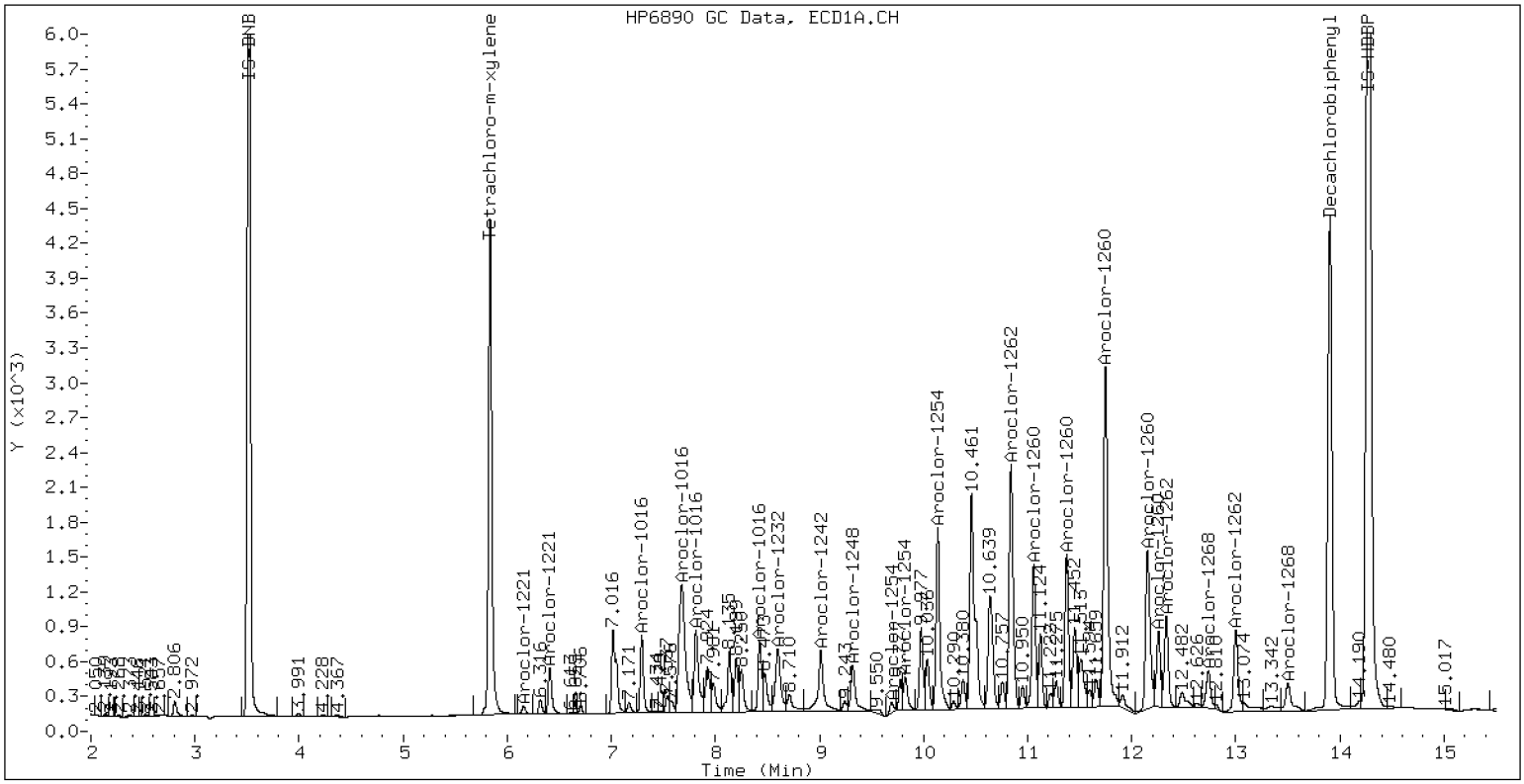
Total PCB Area Col2 (5.936 - 13.808) = 927444 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

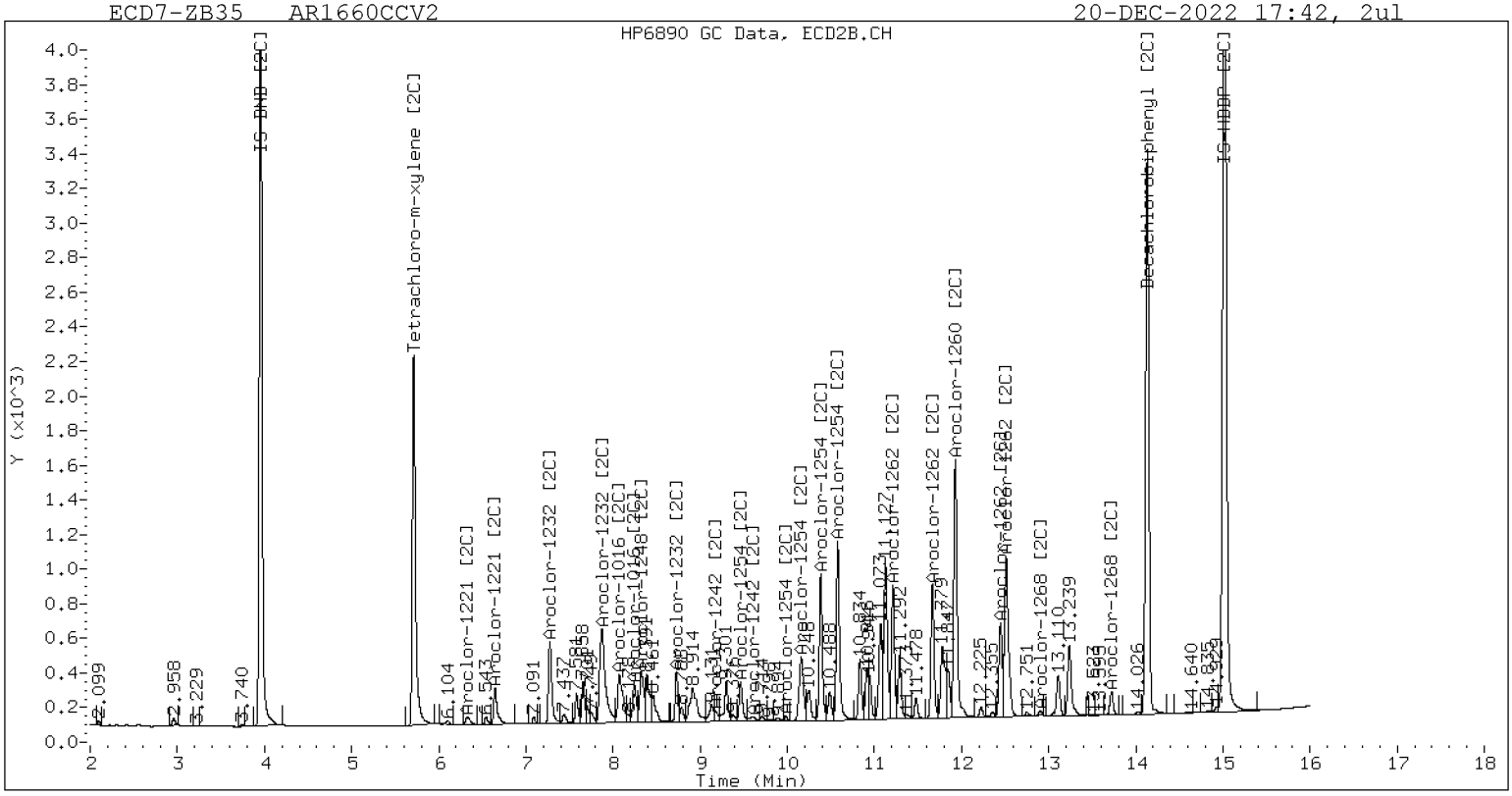
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 20-DEC-2022 17:42, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV2 20-DEC-2022 17:42, 2ul

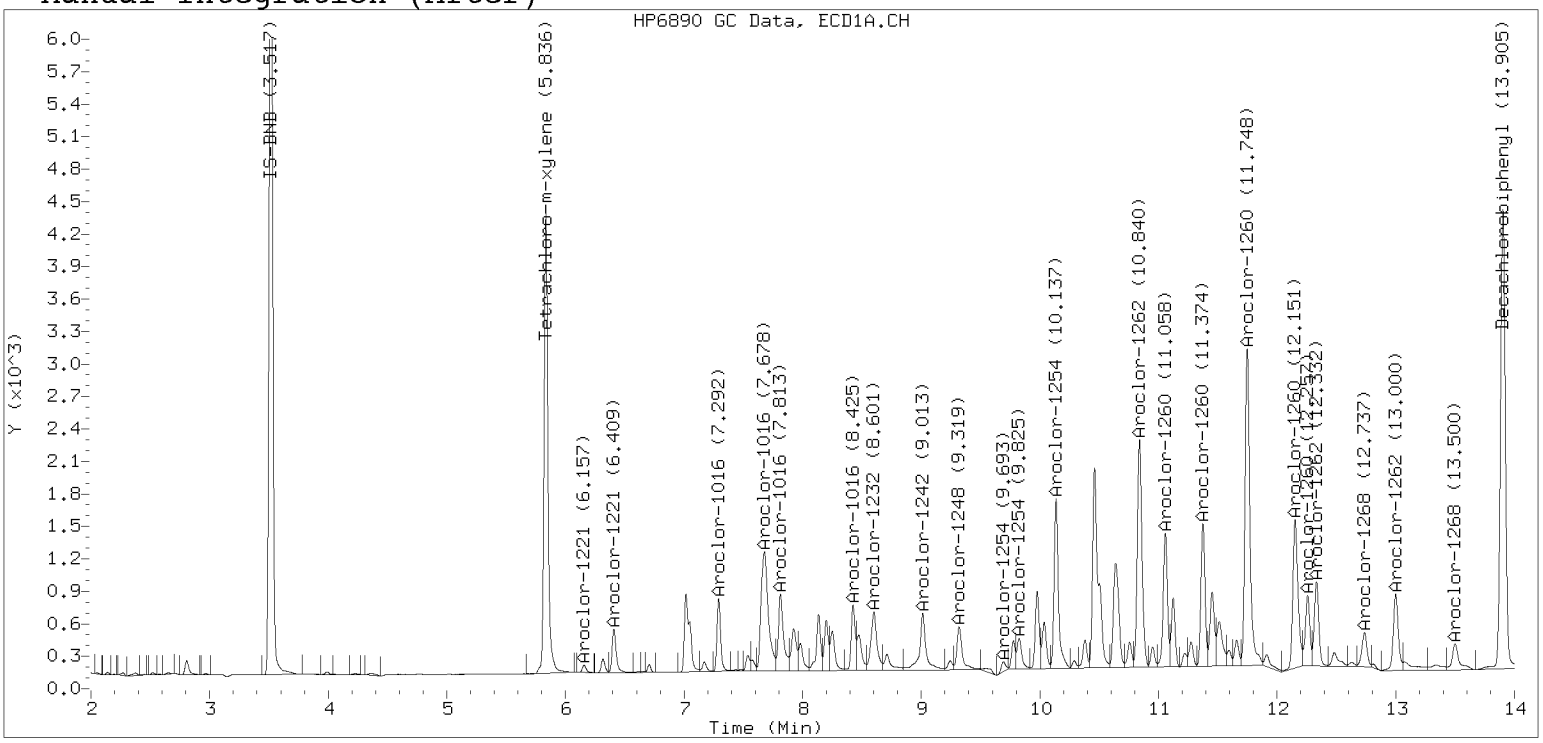


ZB-35 Manual Integration: NO

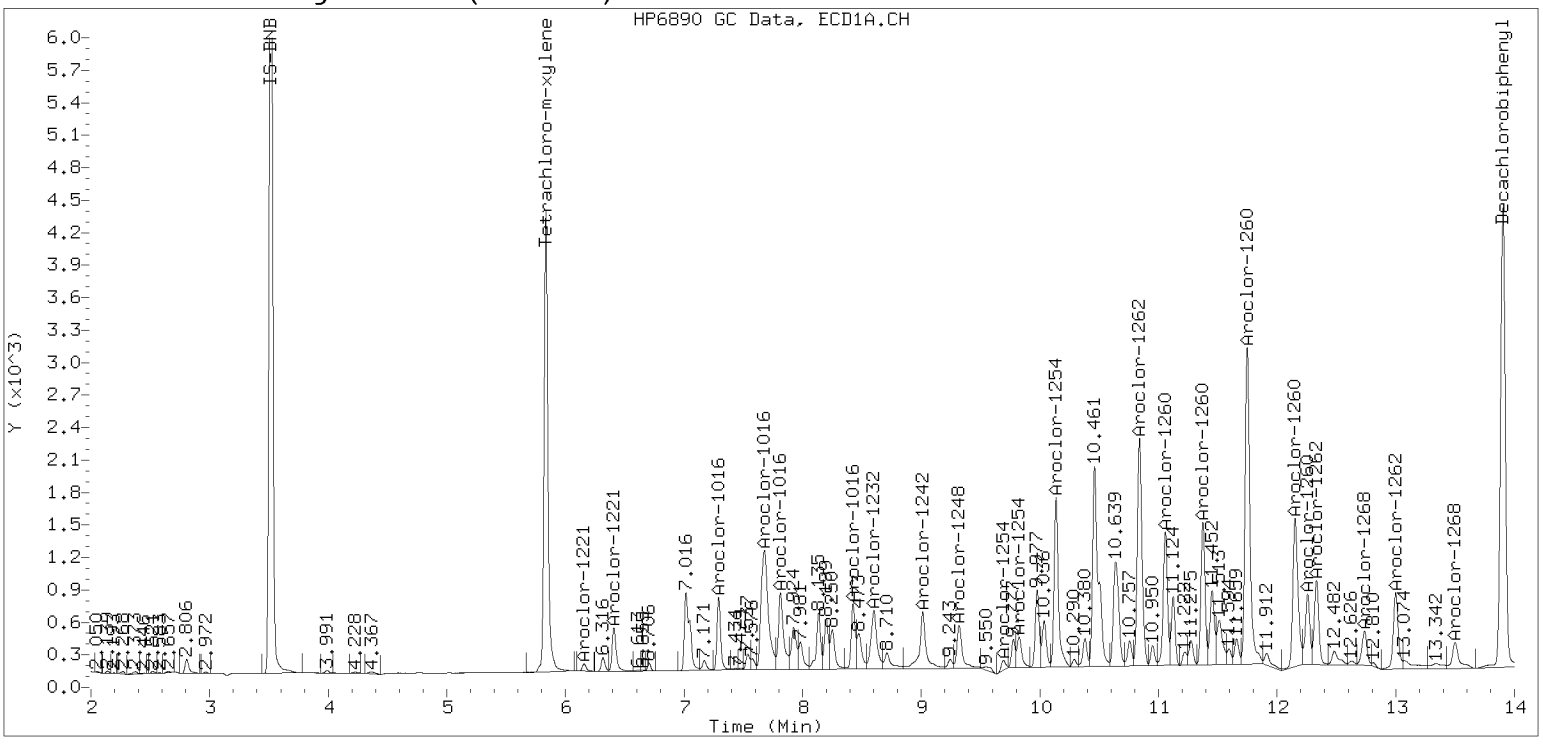
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202215ECD7.D Injection Date: 20-DEC-2022 17:42

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202223ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-CCV3	Injection Time:	20:32
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	259	0.0396000	0.0408317		3.8	+/-20
Aroclor-1242 (1)	A	250.00	265		0.0240220			
Aroclor-1242 (2)	A	250.00	263		0.0757962			
Aroclor-1242 (3)	A	250.00	271		0.0224428			
Aroclor-1242 (4)	A	250.00	239		0.0410659			
Aroclor 1242 [2C]	A	250.00	246	0.0391981	0.0369079		-1.8	+/-20
Aroclor-1242 (1) [2C]	A	250.00	252		0.0341953			
Aroclor-1242 (2) [2C]	A	250.00	211		0.0605673			
Aroclor-1242 (3) [2C]	A	250.00	268		0.0248235			
Aroclor-1242 (4) [2C]	A	250.00	252		0.0280456			
Decachlorobiphenyl	A	40.000	43.0	0.7333327	0.7890466		7.6	+/-20
Tetrachlorometaxylene	A	40.000	38.4	1.1336710	1.0889810		-3.9	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.2	1.1358180	1.0845800		-4.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.0	1.0966080	1.0430280		-4.9	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202223ECD7.D
Data file 2: /221220.b/221220.b/12202223ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV3
Client ID:
Injection Date: 20-DEC-2022 20:32
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	220230	5.711	-0.002	126840	38.4	38.0	1.0	Tetrachloro-m-xylene
13.903	-0.004	215620	14.132	-0.005	173105	43.0	38.2	11.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	404470	-9.6
Hexabromobiphenyl	798898	546533	-31.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	243215	-2.4
Hexabromobiphenyl	362541	319211	-12.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.291	-0.004	30363	264.8	1	7.275	-0.003	25990	252.5
Aroclor-1242	2	7.675	-0.010	95804	263.2	2	7.872	-0.002	46034	210.7
Aroclor-1242	3	8.424	-0.005	28367	270.9	3	9.174	-0.004	18867	267.6
Aroclor-1242	4	9.022	-0.009	51906	238.7	4	9.594	-0.011	21316	251.6

Total Col1Ave (4 peaks): 259.4 Total Col2Ave (4 peaks): 245.6 RPD = 5

Corrected Ave (3 peaks): 255.6 Corrected Ave (3 peaks): 238.2 RPD = 7

Total PCB Area Col1 (5.936 - 13.808) = 790206 Col1 Total PCB = 0.2 ppm*

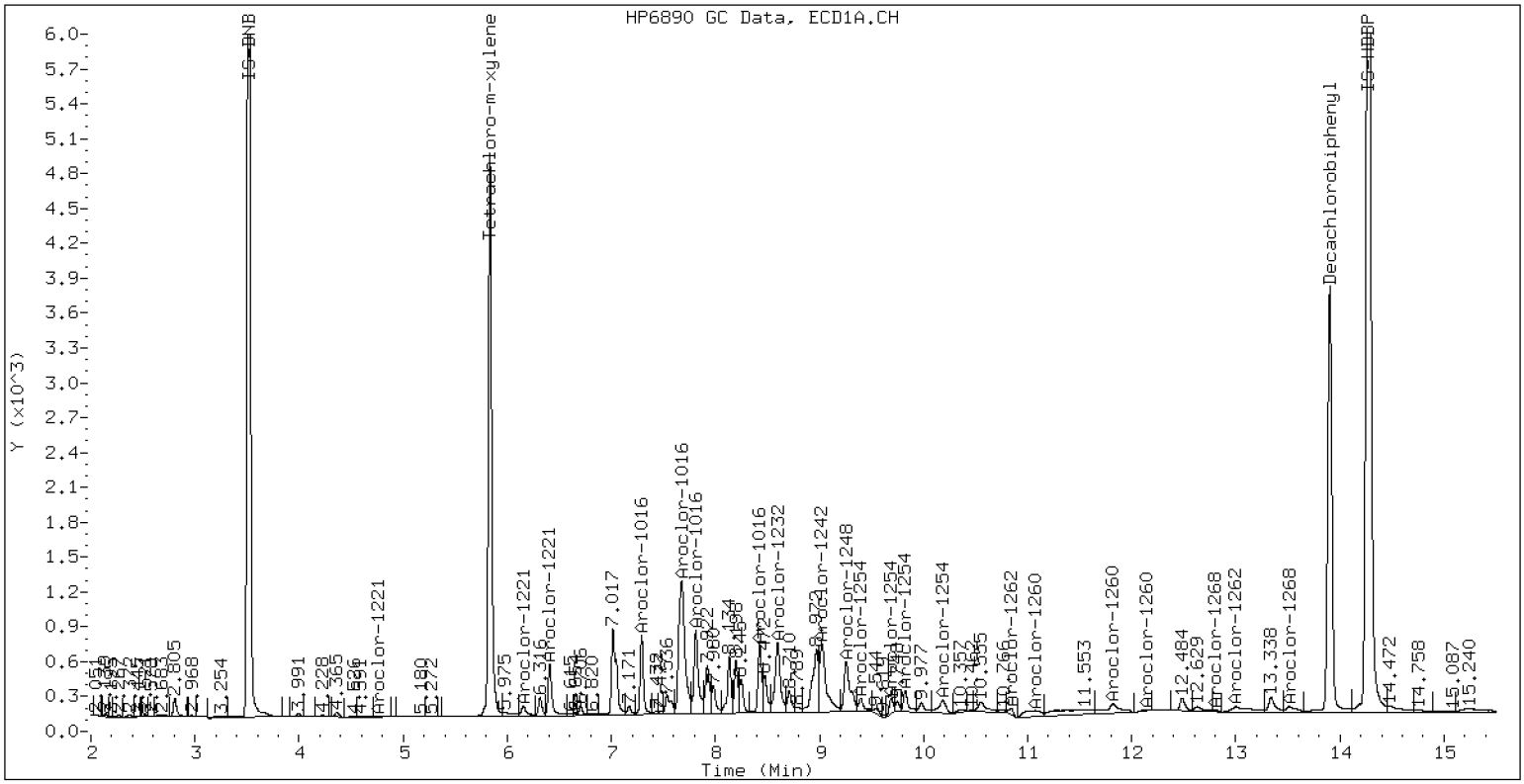
Total PCB Area Col2 (5.936 - 13.808) = 375154 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

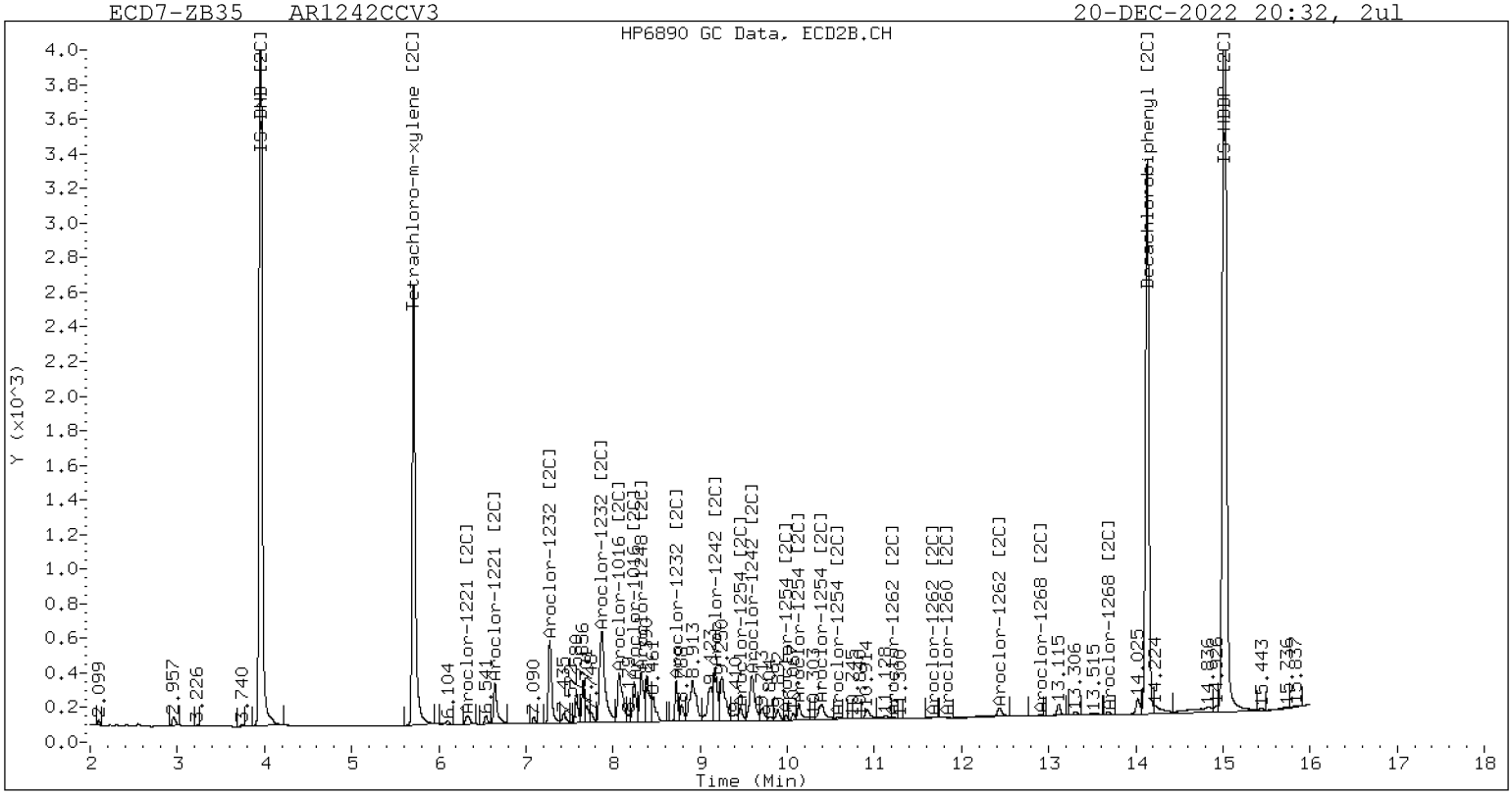
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 20-DEC-2022 20:32, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV3 20-DEC-2022 20:32, 2ul

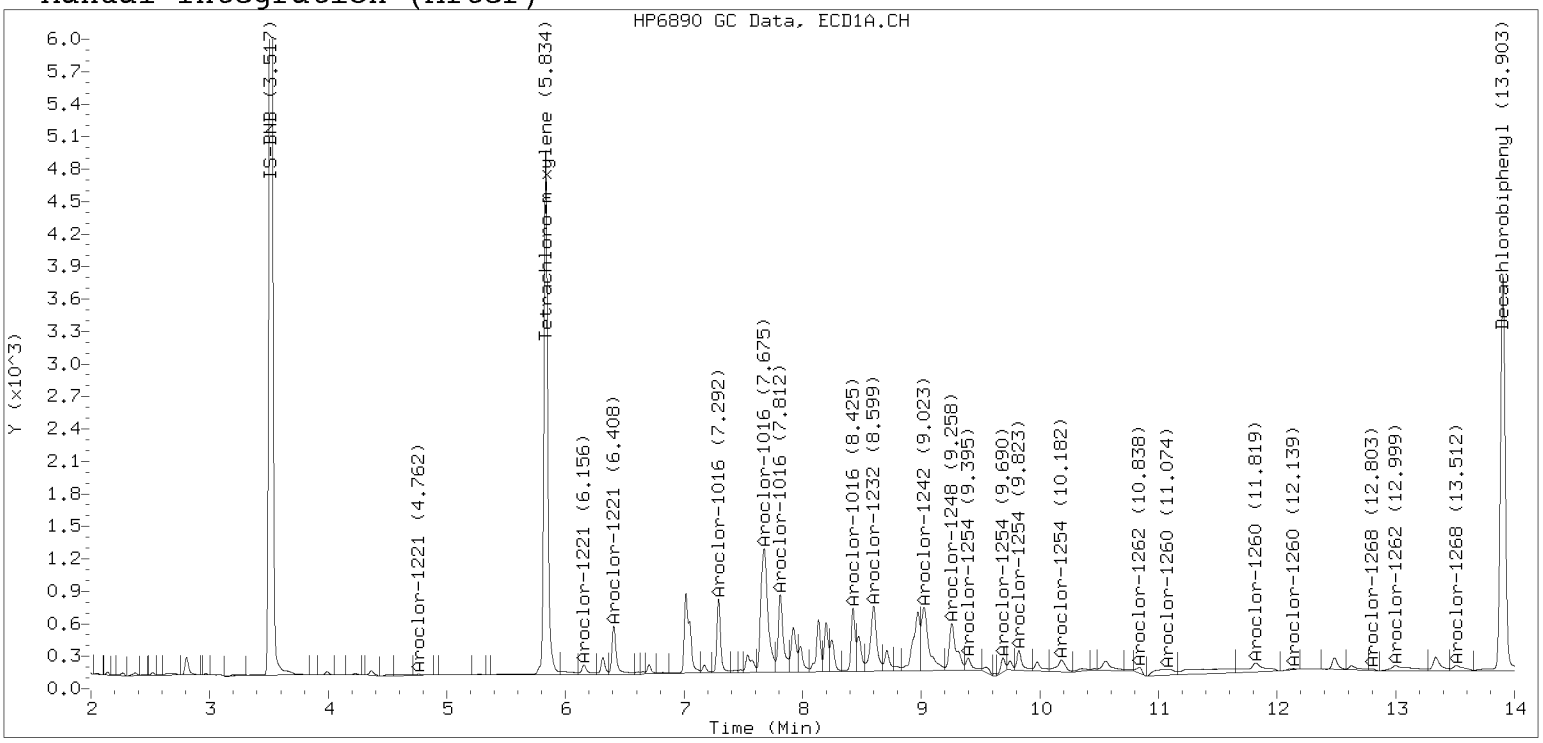


ZB-35 Manual Integration: NO

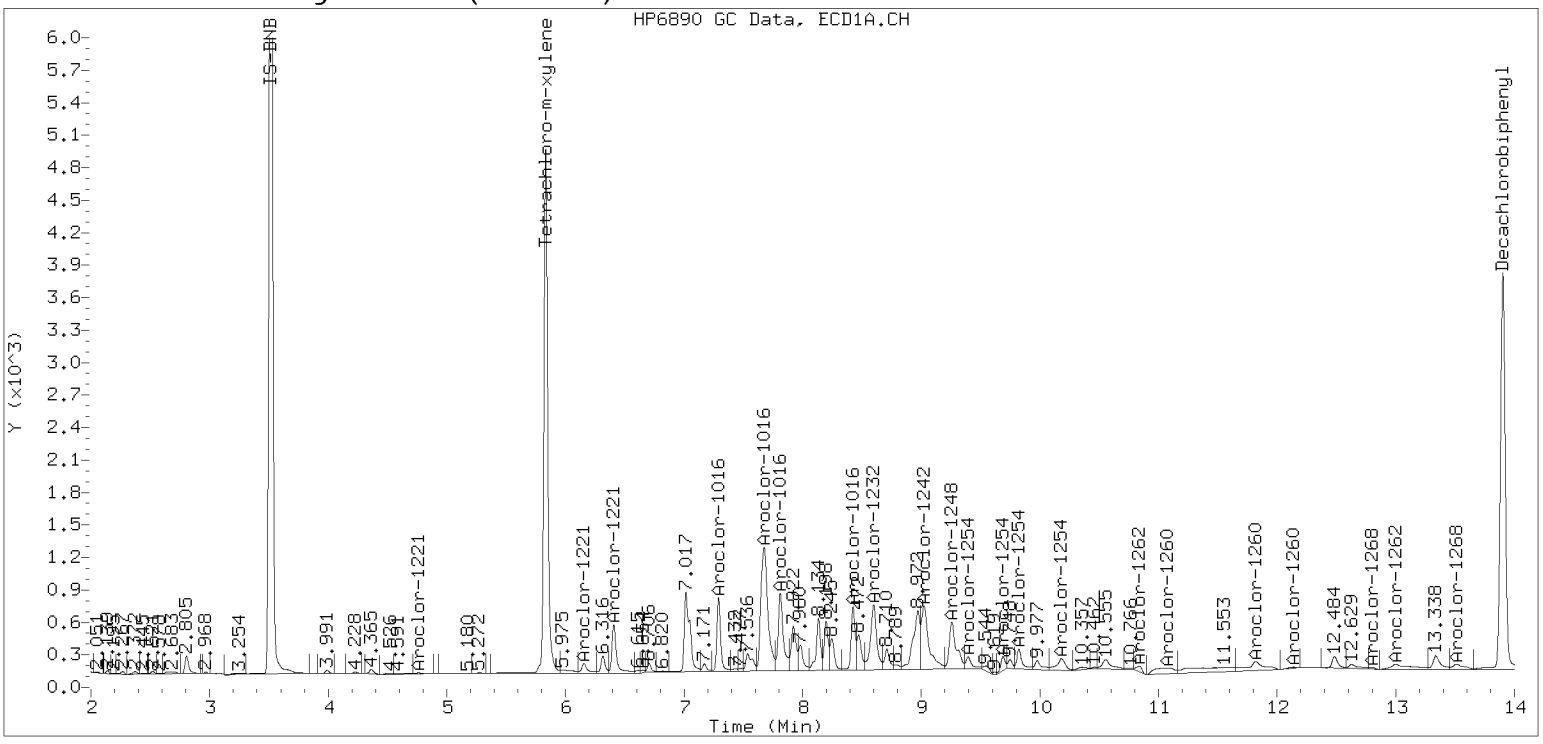
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202223ECD7.D Injection Date: 20-DEC-2022 20:32

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202224ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/20/22
Lab Sample ID:	SKL0304-CCV4	Injection Time:	20:53
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	267	0.0441939	0.0467263		6.7	+/-20
Aroclor-1016 (1)	A	250.00	265	0.0266860	0.0282525		5.9	
Aroclor-1016 (2)	A	250.00	260	0.0861572	0.0894766		3.9	
Aroclor-1016 (3)	A	250.00	268	0.0390425	0.0418960		7.3	
Aroclor-1016 (4)	A	250.00	274	0.0248899	0.0272802		9.6	
Aroclor 1016 [2C]	A	250.00	243	0.0467310	0.0441119		-2.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0406291		-0.7	
Aroclor-1016 (2) [2C]	A	250.00	224	0.0882154	0.0790819		-10.4	
Aroclor-1016 (3) [2C]	A	250.00	237	0.0378846	0.0359333		-5.2	
Aroclor-1016 (4) [2C]	A	250.00	261	0.0199212	0.0208031		4.4	
Aroclor 1260	A	250.00	294	0.0390342	0.0461497		17.8	+/-20
Aroclor-1260 (1)	A	250.00	302	0.0291201	0.0352312		21.0	
Aroclor-1260 (2)	A	250.00	302	0.0301181	0.0364355		21.0	
Aroclor-1260 (3)	A	250.00	297	0.0791351	0.0939932		18.8	
Aroclor-1260 (4)	A	250.00	288	0.0403003	0.0464638		15.3	
Aroclor-1260 (5)	A	250.00	282	0.0164974	0.0186245		12.9	
Aroclor 1260 [2C]	A	250.00	233	0.0617619	0.0554379		-6.8	+/-20
Aroclor-1260 (1) [2C]	A	250.00	242	0.0422283	0.0409464		-3.0	
Aroclor-1260 (2) [2C]	A	250.00	210	0.1059643	0.0888658		-16.1	
Aroclor-1260 (3) [2C]	A	250.00	258	0.0282173	0.0290978		3.1	
Aroclor-1260 (4) [2C]	A	250.00	222	0.0706376	0.0628413		-11.0	
Decachlorobiphenyl	A	40.000	46.4	0.7333327	0.8510787		16.1	+/-20
Tetrachlorometaxylene	A	40.000	40.4	1.1336710	1.1462510		1.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1172530		-1.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.6	1.0966080	1.0859310		-1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202224ECD7.D
Data file 2: /221220.b/221220.b/12202224ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV4
Client ID:
Injection Date: 20-DEC-2022 20:53
Report Date: 12/22/2022 09:58
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.837	0.001	192024	5.713	0.000	108819	40.4	39.6	2.1	Tetrachloro-m-xylene
13.904	-0.004	224675	14.132	-0.005	162457	46.4	39.3	16.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	335047	-25.2
Hexabromobiphenyl	798898	527977	-33.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	200416	-19.5
Hexabromobiphenyl	362541	290815	-19.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.293	-0.001	29581	264.7	1	7.276	0.001	25446	248.3
Aroclor-1016	2	7.677	-0.008	93684	259.6	2	7.874	0.003	49529	224.1
Aroclor-1016	3	7.813	-0.004	43866	268.3	3	8.073	0.003	22505	237.1
Aroclor-1016	4	8.424	-0.005	28563	274.0	4	8.243	0.002	13029	261.1
Total Col1Ave (4 peaks):					266.6	Total Col2Ave (4 peaks):				242.7 RPD = 9
Corrected Ave (3 peaks):					264.2	Corrected Ave (3 peaks):				236.5 RPD = 11
Aroclor-1260	1	11.058	-0.005	58129	302.5	1	11.666	-0.003	37212	242.4
Aroclor-1260	2	11.373	-0.004	60116	302.4	2	11.929	-0.004	80761	209.7
Aroclor-1260	3	11.748	-0.004	155082	296.9	3	12.448	-0.003	26444	257.8
Aroclor-1260	4	12.154	-0.004	76662	288.2	4	12.512	-0.005	57110	222.4
Aroclor-1260	5	12.259	-0.002	30729	282.2	NS	---			----
Total Col1Ave (5 peaks):					294.5	Total Col2Ave (4 peaks):				233.1 RPD = 23
Corrected Ave (4 peaks):					292.5	Corrected Ave (3 peaks):				224.8 RPD = 26

Total PCB Area Col1 (5.936 - 13.808) = 1655705 Col1 Total PCB = 0.4 ppm*

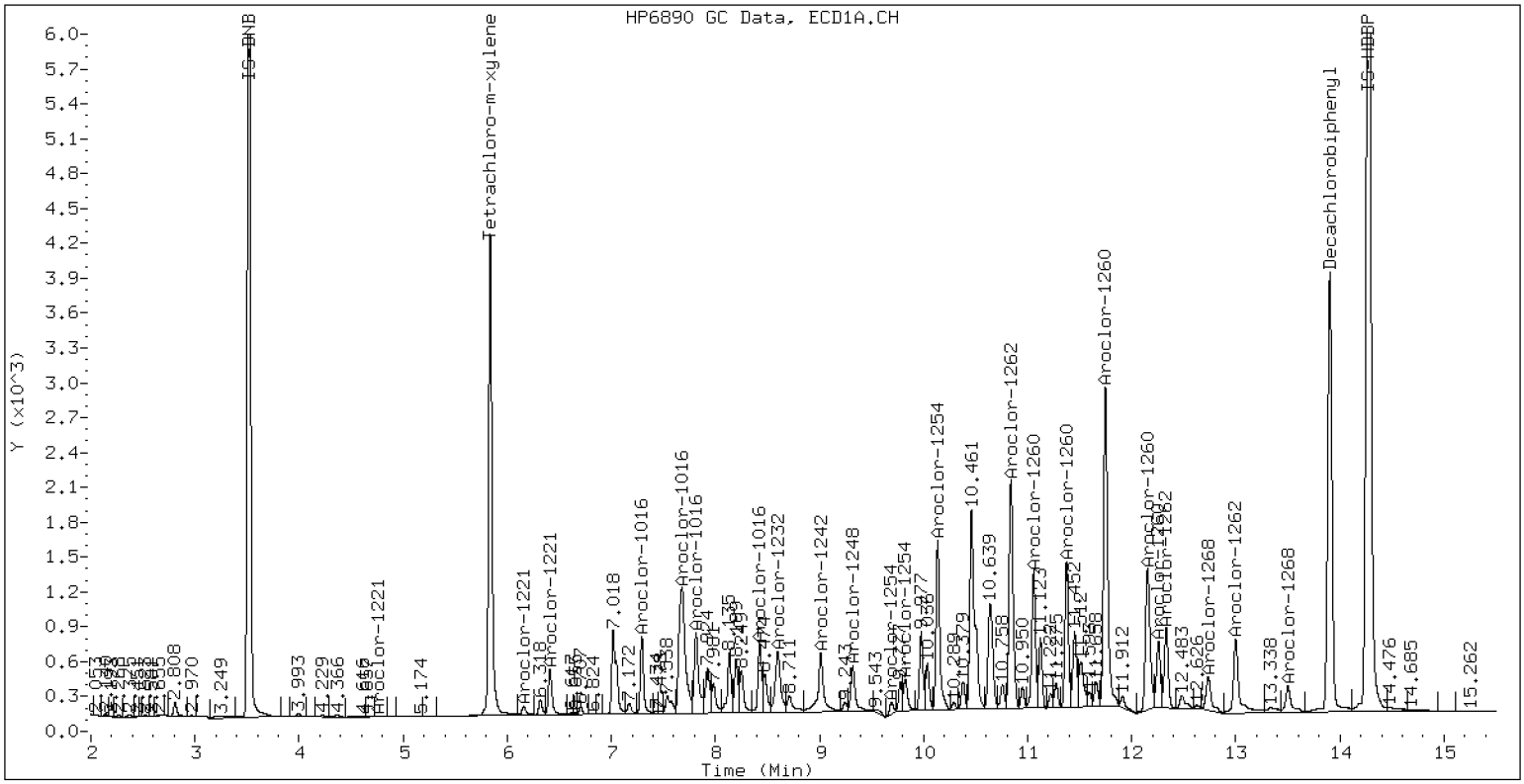
Total PCB Area Col2 (5.936 - 13.808) = 887249 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

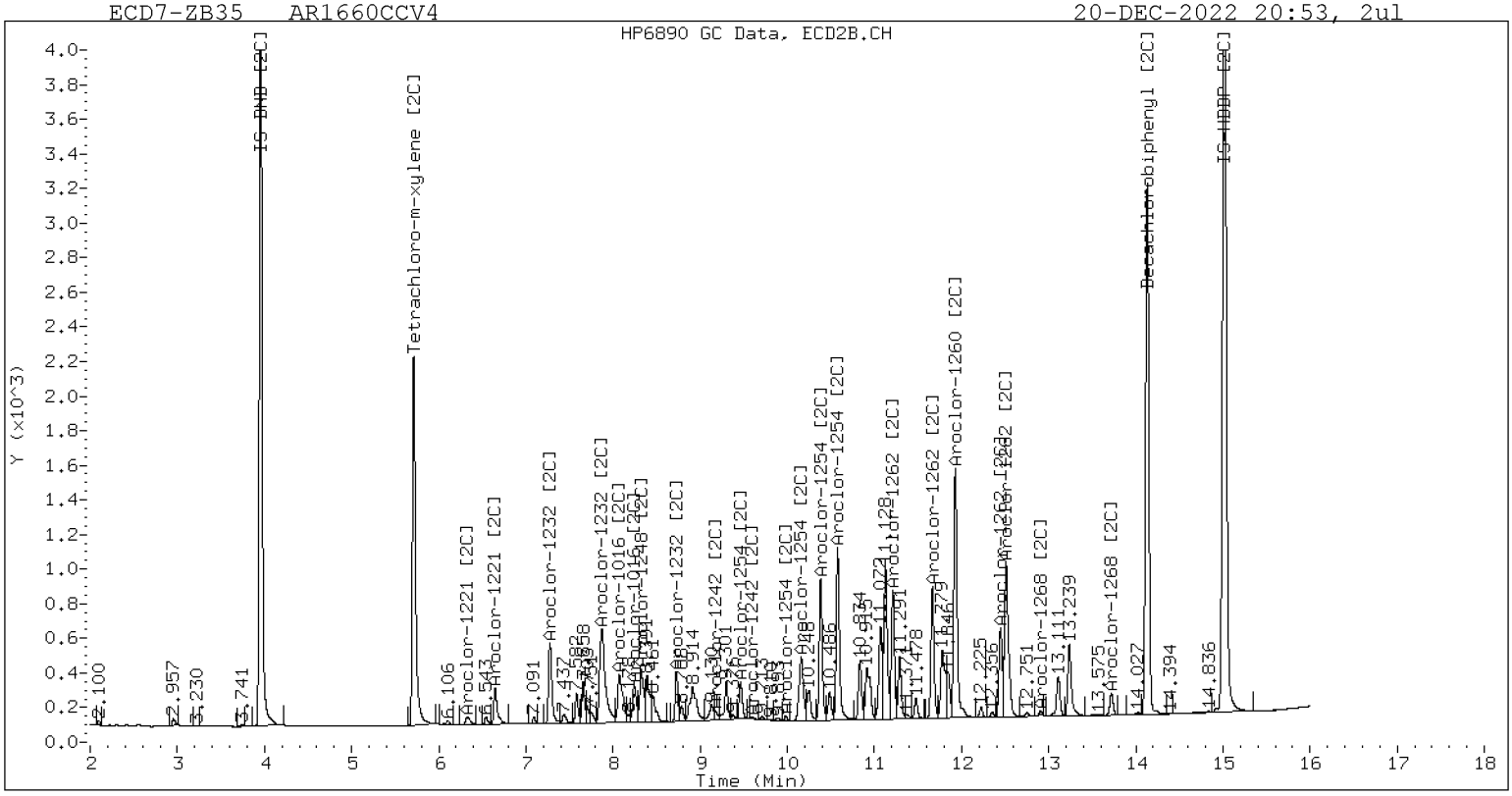
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 20-DEC-2022 20:53, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV4 20-DEC-2022 20:53, 2ul

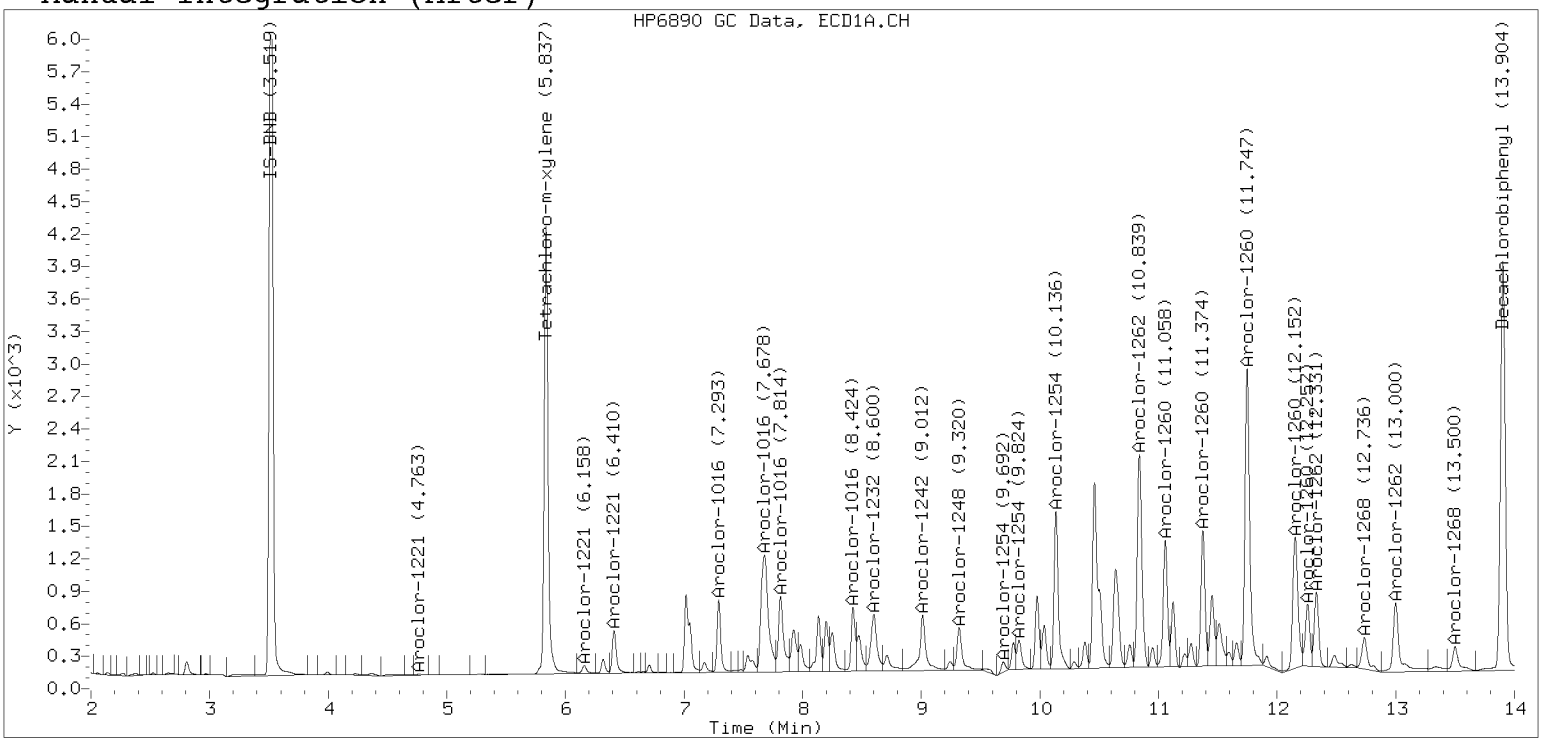


ZB-35 Manual Integration: NO

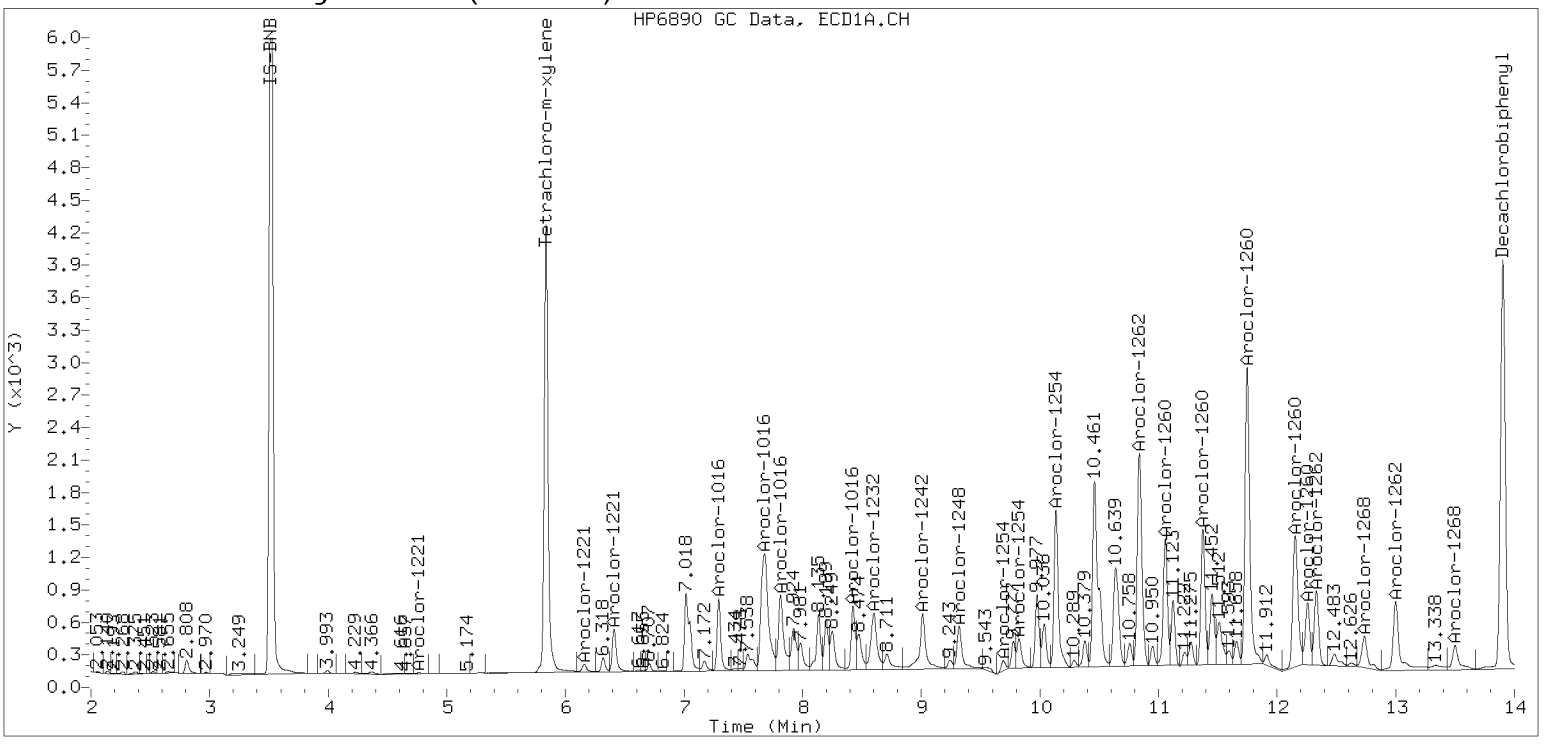
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202224ECD7.D Injection Date: 20-DEC-2022 20:53

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202242ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCV5	Injection Time:	03:15
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	227	0.0576965	0.0526202		-9.1	+/-20
Aroclor-1254 (1)	A	250.00	228		0.0641724			
Aroclor-1254 (2)	A	250.00	239		0.0262352			
Aroclor-1254 (3)	A	250.00	197		0.0350005			
Aroclor-1254 (4)	A	250.00	232		0.0803629			
Aroclor-1254 (5)	A	250.00	241		0.0573303			
Aroclor 1254 [2C]	A	250.00	215	0.0638047	0.0561608		-13.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	230		0.0474678			
Aroclor-1254 (2) [2C]	A	250.00	156		0.0258546			
Aroclor-1254 (3) [2C]	A	250.00	217		0.0772018			
Aroclor-1254 (4) [2C]	A	250.00	240		0.0885104			
Aroclor-1254 (5) [2C]	A	250.00	235		0.0417693			
Decachlorobiphenyl	A	40.000	42.1	0.7333327	0.7725005		5.3	+/-20
Tetrachlorometaxylene	A	40.000	36.8	1.1336710	1.0419250		-8.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.4	1.1358180	1.1458690		0.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.4	1.0966080	0.9969926		-9.1	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202242ECD7.D
Data file 2: /221220.b/221220.b/12202242ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCV5
Client ID:
Injection Date: 21-DEC-2022 03:15
Report Date: 12/22/2022 09:42
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	211340	5.712	-0.002	122496	36.8	36.4	1.1	Tetrachloro-m-xylene
13.904	-0.003	174942	14.133	-0.004	161677	42.1	40.4	4.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	405672	-9.4
Hexabromobiphenyl	798898	452924	-43.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	245731	-1.4
Hexabromobiphenyl	362541	282191	-22.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.315	-0.006	81353	227.8	1	9.463	-0.004	36451	230.1
Aroclor-1254	2	9.393	-0.009	33259	239.4	2	9.982	-0.005	19854	155.9
Aroclor-1254	3	9.685	-0.009	44371	196.7	3	10.132	-0.007	59284	216.5
Aroclor-1254	4	9.820	-0.010	101878	231.7	4	10.381	-0.008	67968	239.7
Aroclor-1254	5	10.176	-0.013	72679	241.1	5	10.579	-0.008	32075	234.5

Total Col1Ave (5 peaks): 227.3 Total Col2Ave (5 peaks): 215.3 RPD = 5

Corrected Ave (4 peaks): 223.9 Corrected Ave (4 peaks): 209.2 RPD = 7

Total PCB Area Col1 (5.936 - 13.808) = 1091689 Col1 Total PCB = 0.2 ppm*

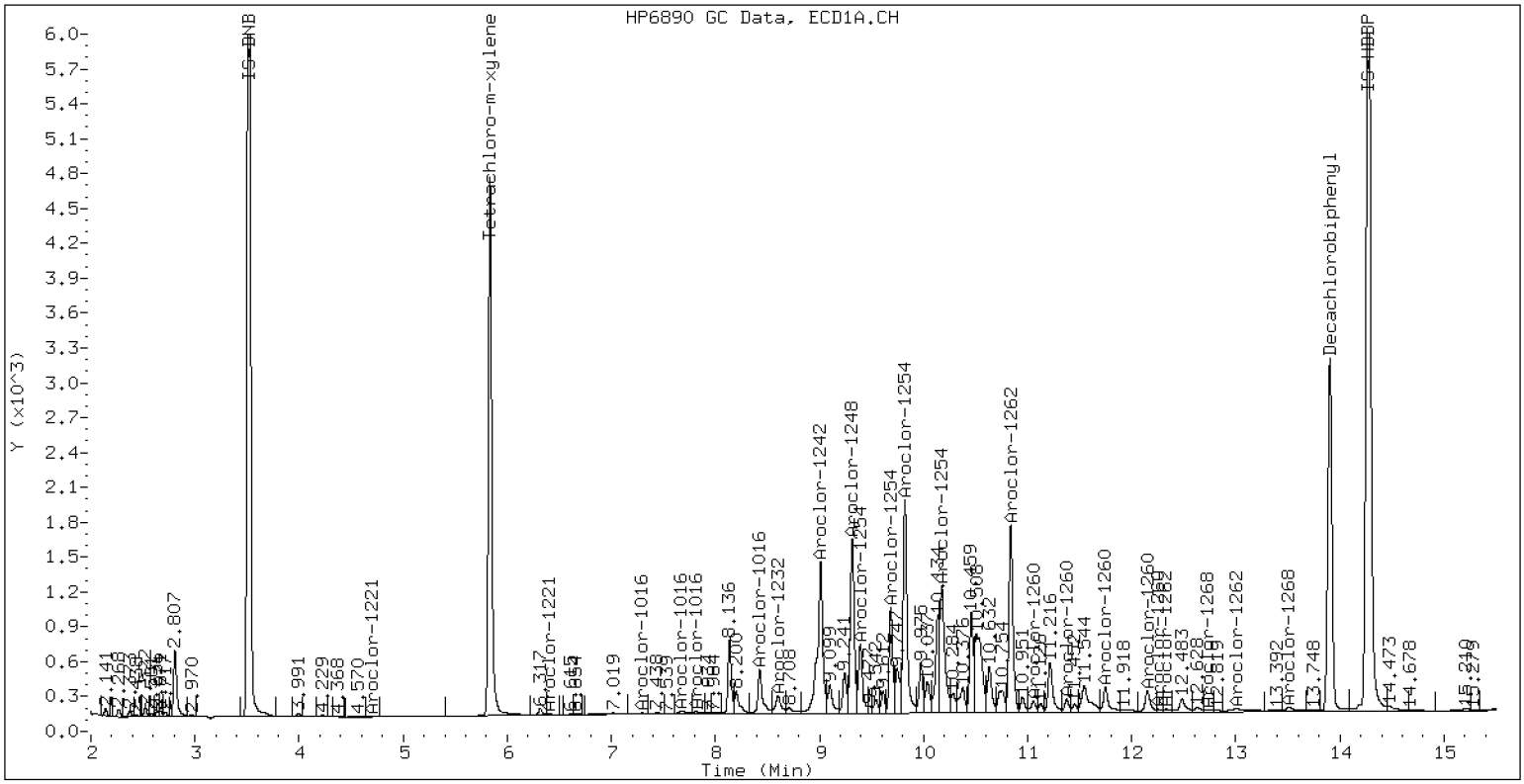
Total PCB Area Col2 (5.936 - 13.808) = 607250 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

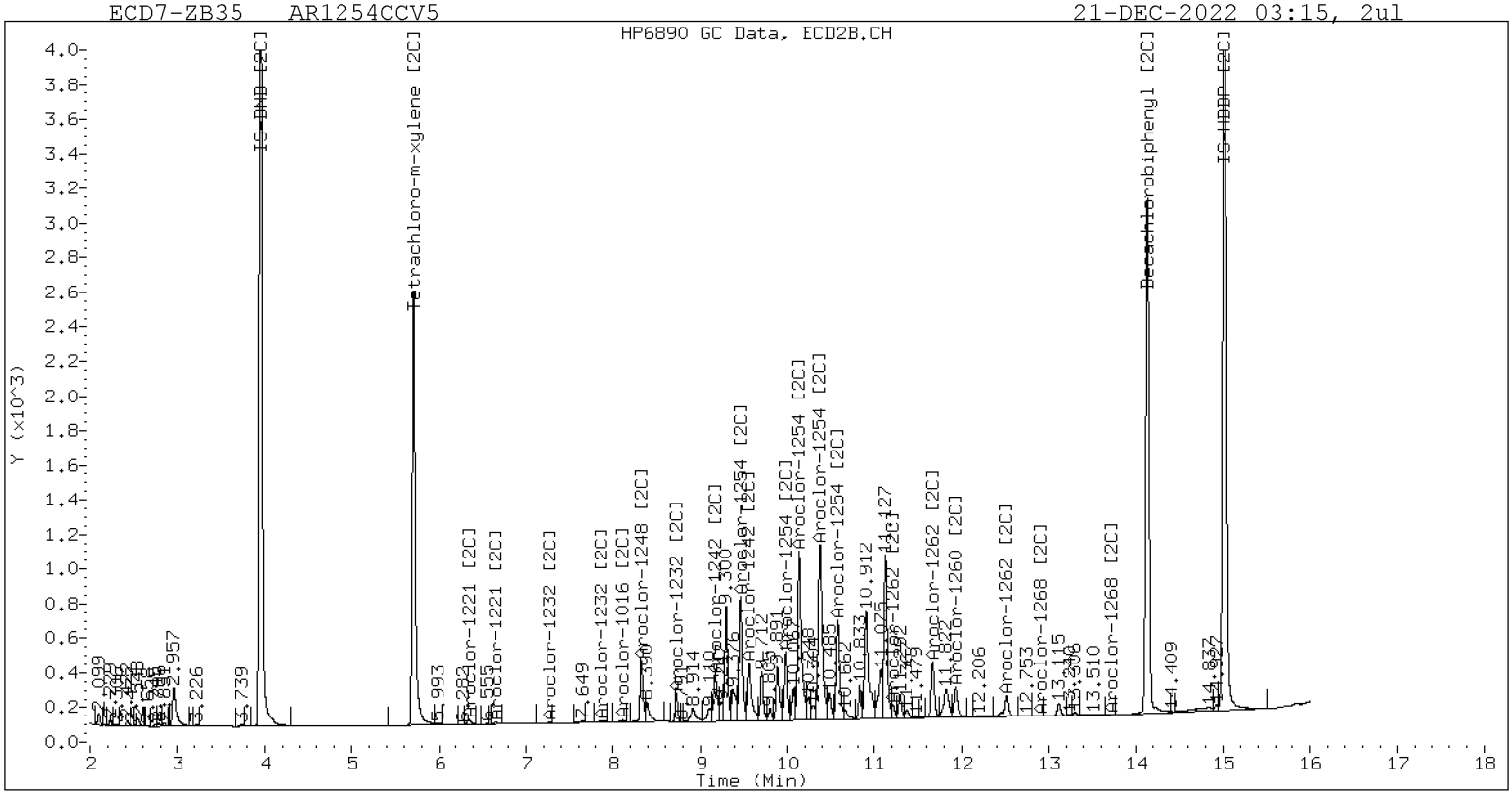
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 21-DEC-2022 03:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1254CCV5 21-DEC-2022 03:15, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202243ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCV6	Injection Time:	03:36
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	276	0.0441939	0.0481676		10.3	+/-20	
Aroclor-1016 (1)	A	250.00	276	0.0266860	0.0294320		10.3		
Aroclor-1016 (2)	A	250.00	268	0.0861572	0.0922594		7.1		
Aroclor-1016 (3)	A	250.00	270	0.0390425	0.0422140		8.1		
Aroclor-1016 (4)	A	250.00	289	0.0248899	0.0287651		15.6		
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0441822		-2.2	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0409431		0.1		
Aroclor-1016 (2) [2C]	A	250.00	222	0.0882154	0.0783050		-11.2		
Aroclor-1016 (3) [2C]	A	250.00	239	0.0378846	0.0361438		-4.6		
Aroclor-1016 (4) [2C]	A	250.00	268	0.0199212	0.0213372		7.1		
Aroclor 1260	A	250.00	322	0.0390342	0.0503876		28.9	+/-20	*
Aroclor-1260 (1)	A	250.00	334	0.0291201	0.0388850		33.5		
Aroclor-1260 (2)	A	250.00	328	0.0301181	0.0395718		31.4		
Aroclor-1260 (3)	A	250.00	321	0.0791351	0.1015507		28.3		
Aroclor-1260 (4)	A	250.00	320	0.0403003	0.0515871		28.0		
Aroclor-1260 (5)	A	250.00	308	0.0164974	0.0203432		23.3		
Aroclor 1260 [2C]	A	250.00	251	0.0617619	0.0595963		0.5	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	266	0.0422283	0.0450126		6.6		
Aroclor-1260 (2) [2C]	A	250.00	225	0.1059643	0.0955466		-9.8		
Aroclor-1260 (3) [2C]	A	250.00	278	0.0282173	0.0313551		11.1		
Aroclor-1260 (4) [2C]	A	250.00	235	0.0706376	0.0664710		-5.9		
Decachlorobiphenyl	A	40.000	44.3	0.7333327	0.8128926		10.8	+/-20	
Tetrachlorometaxylene	A	40.000	41.6	1.1336710	1.1800210		4.1	+/-20	
Decachlorobiphenyl [2C]	A	40.000	39.4	1.1358180	1.1192910		-1.5	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	39.7	1.0966080	1.0887540		-0.7	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202243ECD7.D
Data file 2: /221220.b/221220.b/12202243ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV6
Client ID:
Injection Date: 21-DEC-2022 03:36
Report Date: 12/22/2022 09:42
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	199882	5.712	-0.002	111686	41.6	39.7	4.7	Tetrachloro-m-xylene
13.902	-0.006	185774	14.133	-0.004	150140	44.3	39.4	11.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	338777	-24.3
Hexabromobiphenyl	798898	457069	-42.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	205163	-17.6
Hexabromobiphenyl	362541	268277	-26.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.003	31159	275.7	1	7.275	0.000	26250	250.2
Aroclor-1016	2	7.676	-0.009	97673	267.7	2	7.872	0.001	50204	221.9
Aroclor-1016	3	7.811	-0.007	44691	270.3	3	8.071	0.001	23173	238.5
Aroclor-1016	4	8.424	-0.005	30453	288.9	4	8.243	0.002	13680	267.8
	Total Col1Ave (4 peaks):				275.7	Total Col2Ave (4 peaks):				244.6 RPD = 12
	Corrected Ave (3 peaks):				271.2	Corrected Ave (3 peaks):				236.9 RPD = 14
Aroclor-1260	1	11.057	-0.005	55541	333.8	1	11.667	-0.002	37737	266.5
Aroclor-1260	2	11.373	-0.005	56522	328.5	2	11.929	-0.004	80103	225.4
Aroclor-1260	3	11.745	-0.007	145049	320.8	3	12.448	-0.003	26287	277.8
Aroclor-1260	4	12.149	-0.009	73684	320.0	4	12.512	-0.004	55727	235.3
Aroclor-1260	5	12.254	-0.007	29057	308.3	NS	---			----
	Total Col1Ave (5 peaks):				322.3	Total Col2Ave (4 peaks):				251.2 RPD = 25
	Corrected Ave (4 peaks):				319.4	Corrected Ave (3 peaks):				242.4 RPD = 27

Total PCB Area Col1 (5.936 - 13.808) = 1675260 Col1 Total PCB = 0.4 ppm*

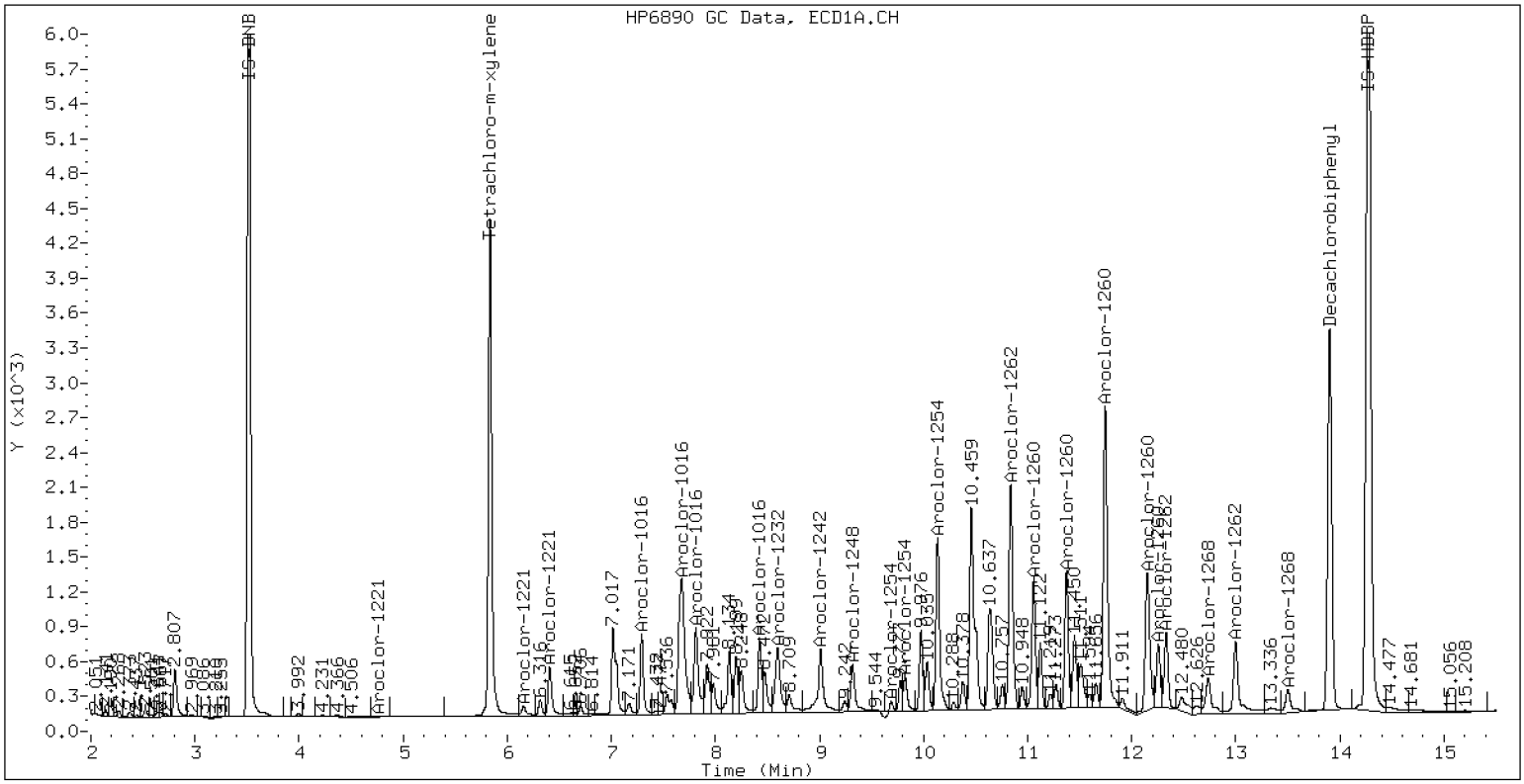
Total PCB Area Col2 (5.936 - 13.808) = 911502 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

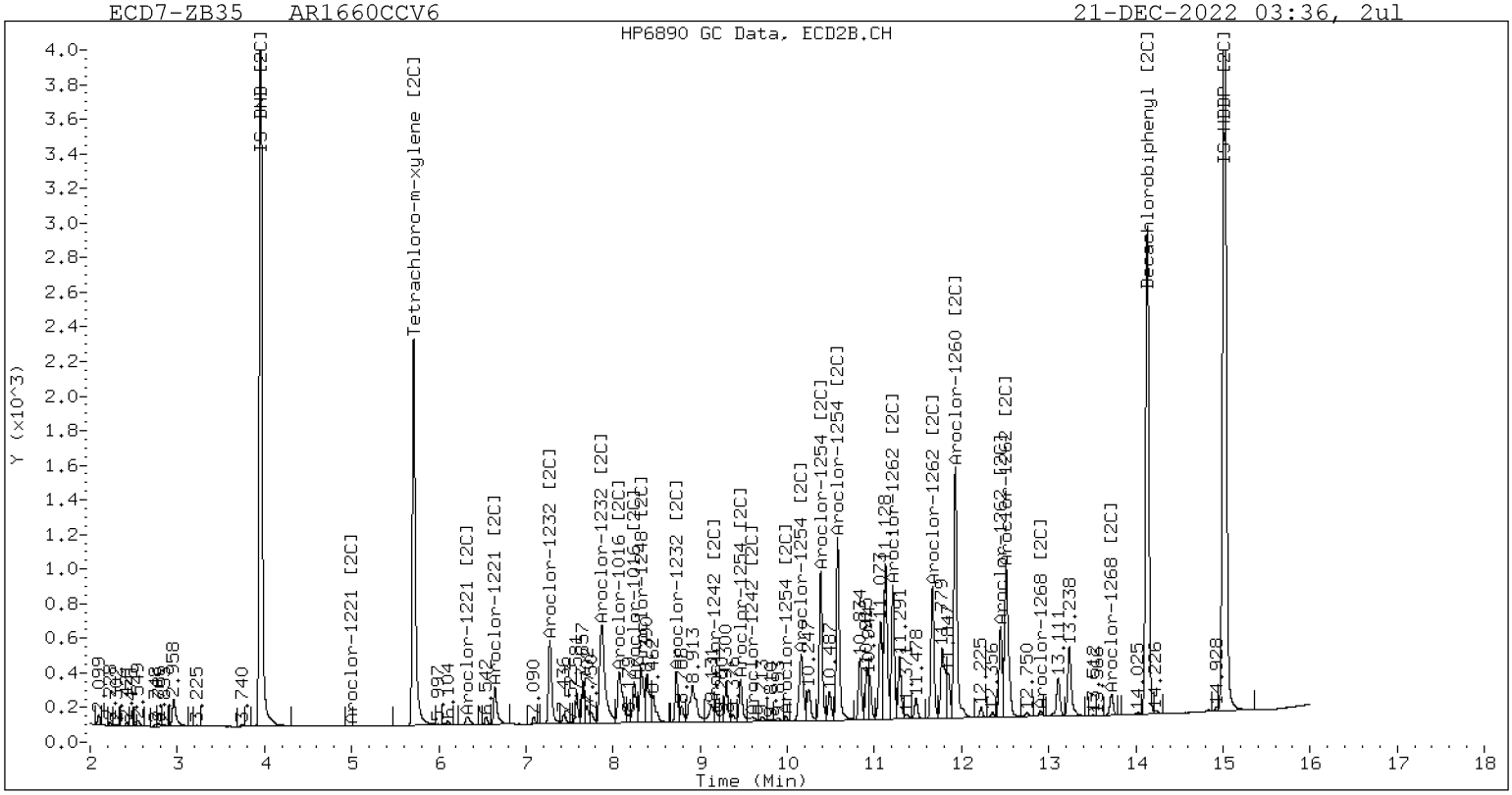
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 21-DEC-2022 03:36, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV6 21-DEC-2022 03:36, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202259ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCV7	Injection Time:	09:15
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	219	0.0490062	0.0421341		-12.5	+/-20
Aroclor-1248 (1)	A	250.00	261		0.0359733			
Aroclor-1248 (2)	A	250.00	266		0.0467717			
Aroclor-1248 (3)	A	250.00	199		0.0628473			
Aroclor-1248 (4)	A	250.00	148		0.0229441			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0382524		-3.9	+/-20
Aroclor-1248 (1) [2C]	A	250.00	253		0.0331176			
Aroclor-1248 (2) [2C]	A	250.00	192		0.0264149			
Aroclor-1248 (3) [2C]	A	250.00	265		0.0442382			
Aroclor-1248 (4) [2C]	A	250.00	251		0.0492390			
Decachlorobiphenyl	A	40.000	41.0	0.7333327	0.7519348		2.5	+/-20
Tetrachlorometaxylene	A	40.000	36.6	1.1336710	1.0379050		-8.4	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.6	1.1358180	1.1235140		-1.1	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.8	1.0966080	1.0094650		-7.9	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202259ECD7.D
Data file 2: /221220.b/221220.b/12202259ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV7
Client ID:
Injection Date: 21-DEC-2022 09:15
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	-0.001	215209	5.713	-0.001	124412	36.6	36.8	0.5	Tetrachloro-m-xylene
13.904	-0.004	216517	14.133	-0.004	185340	41.0	39.6	3.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	414699	-7.4
Hexabromobiphenyl	798898	575893	-27.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	246491	-1.0
Hexabromobiphenyl	362541	329929	-9.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.425	-0.002	46619	261.5	1	8.325	-0.001	25510	253.3
Aroclor-1248	2	8.598	-0.007	60613	266.2	2	8.730	-0.003	20347	192.1
Aroclor-1248	3	9.017	-0.005	81446	198.9	3	9.174	-0.003	34076	264.5
Aroclor-1248	4	9.313	0.002	29734	148.2	4	9.595	-0.008	37928	250.8
Total Col1Ave (4 peaks):					218.7	Total Col2Ave (4 peaks):				240.2 RPD = 9
Corrected Ave (3 peaks):					202.8	Corrected Ave (3 peaks):				232.1 RPD = 13

Total PCB Area Col1 (5.936 - 13.808) = 881748 Col1 Total PCB = 0.2 ppm*

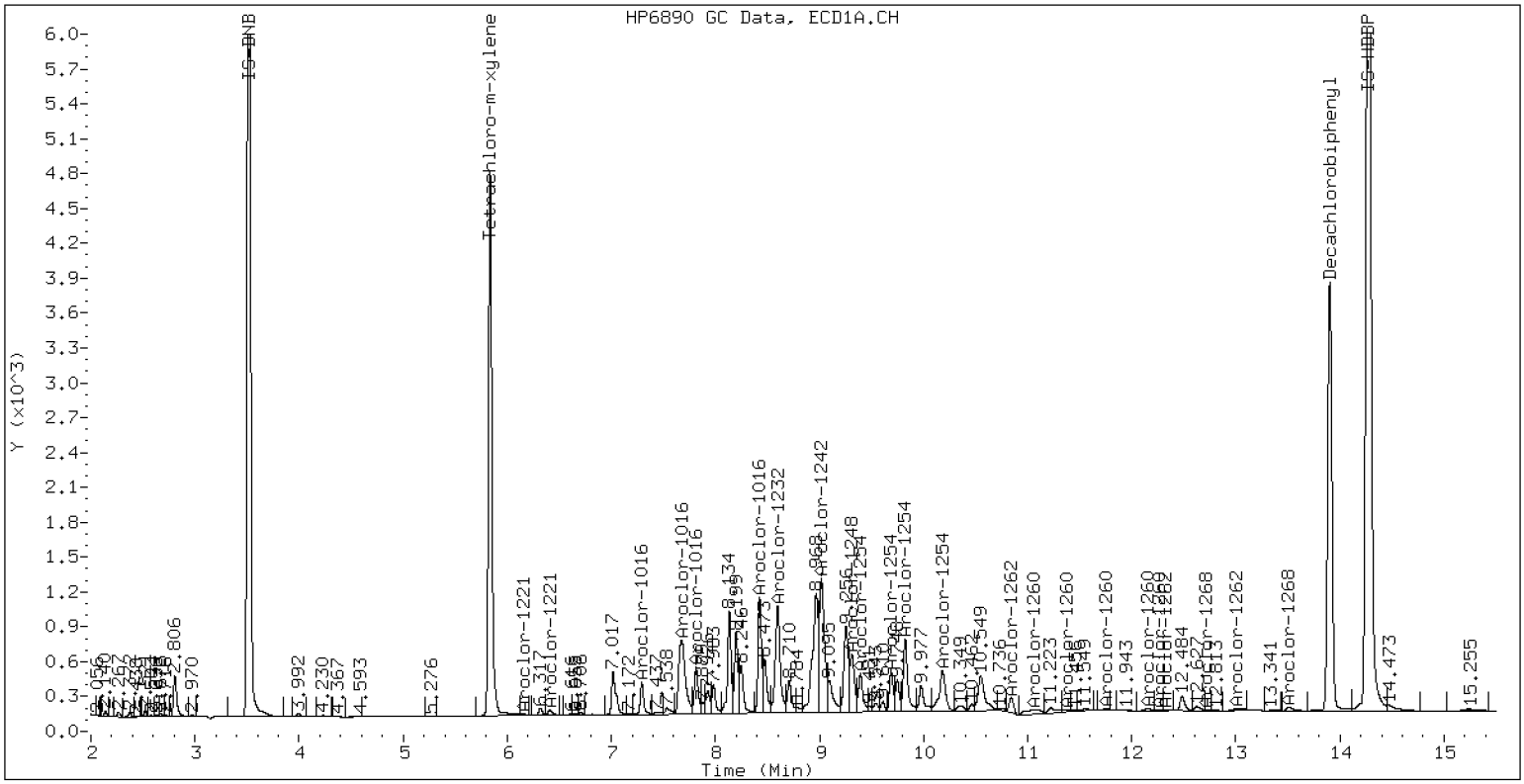
Total PCB Area Col2 (5.813 - 14.037) = 477168 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

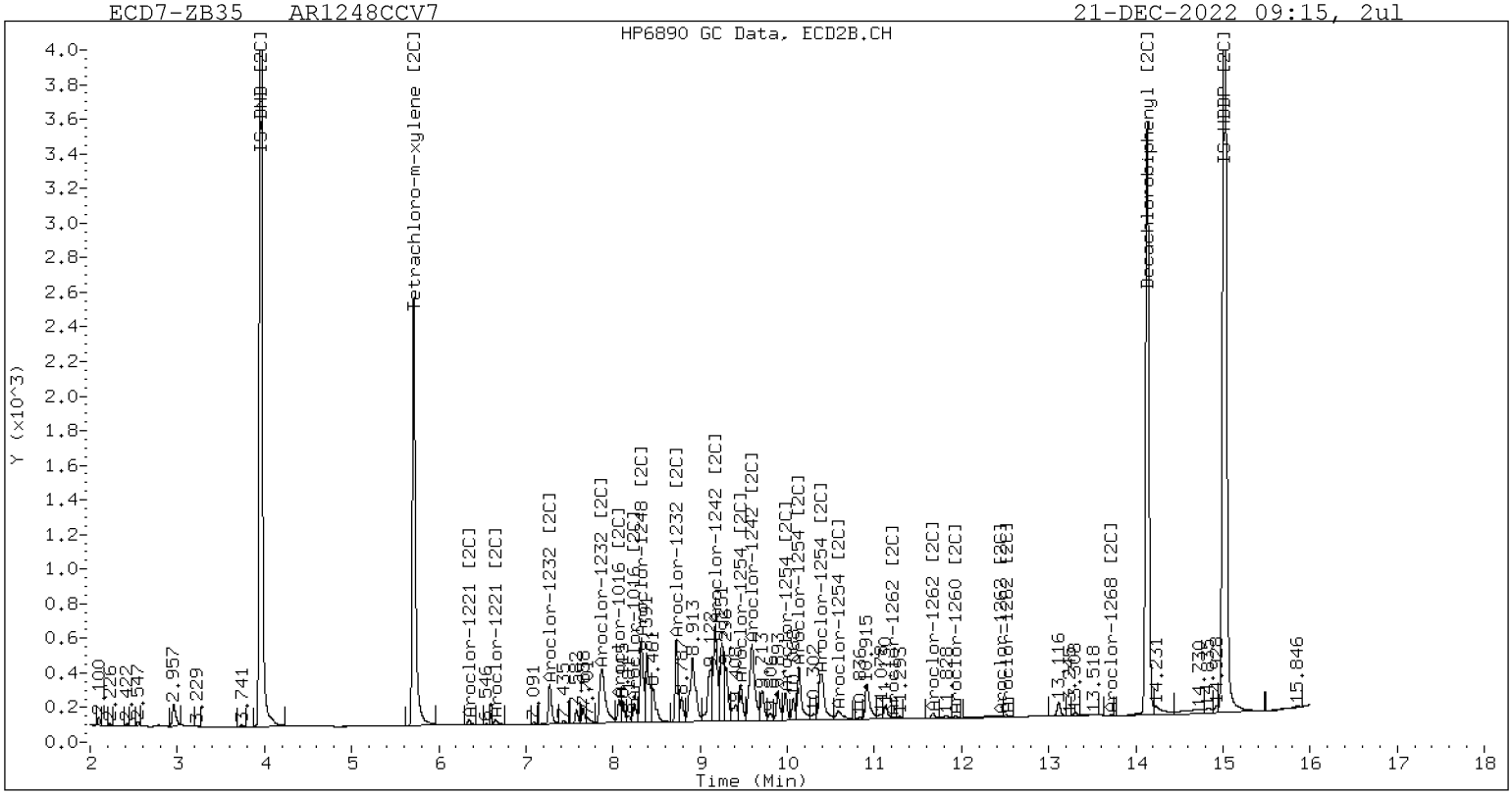
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 21-DEC-2022 09:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1248CCV7 21-DEC-2022 09:15, 2ul

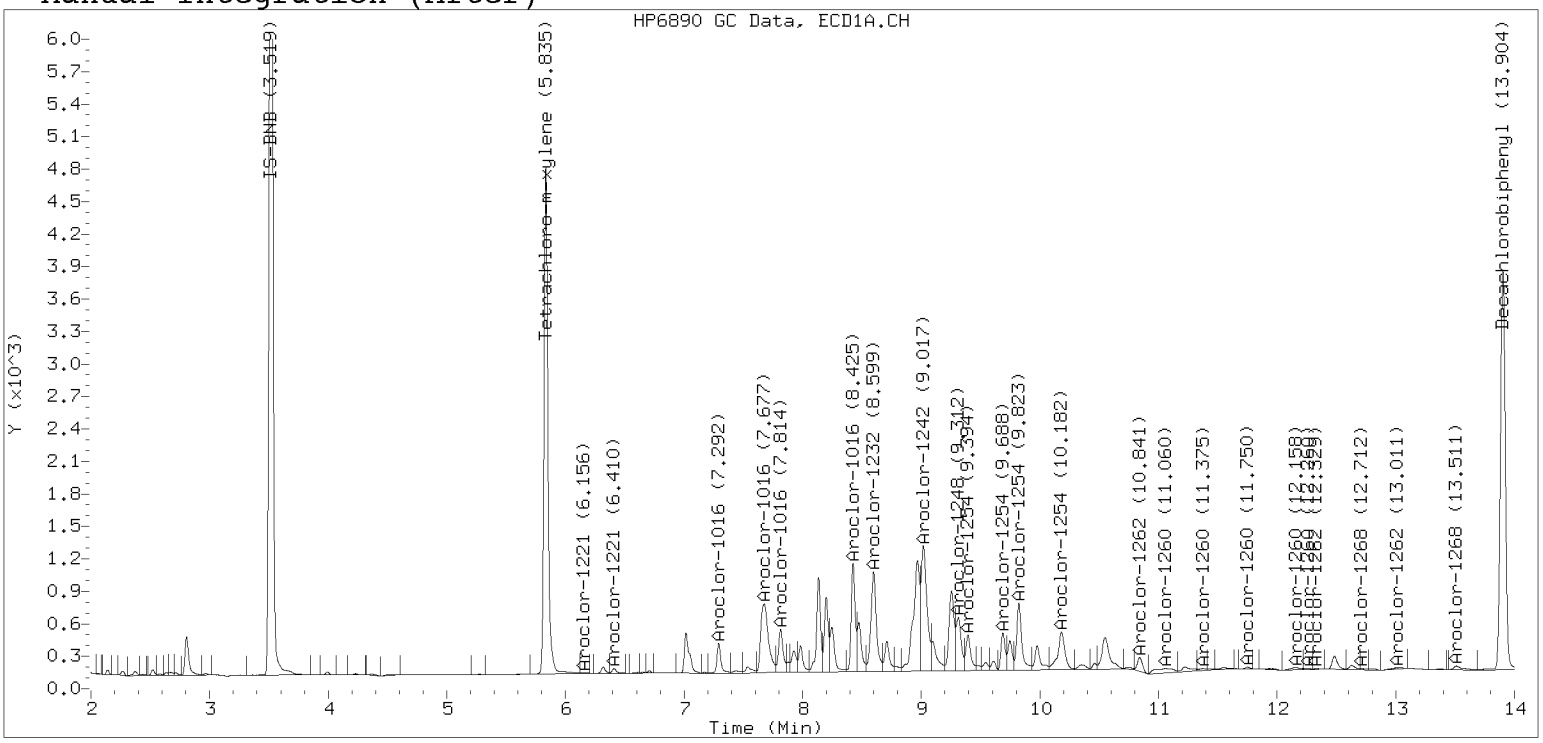


ZB-35 Manual Integration: NO

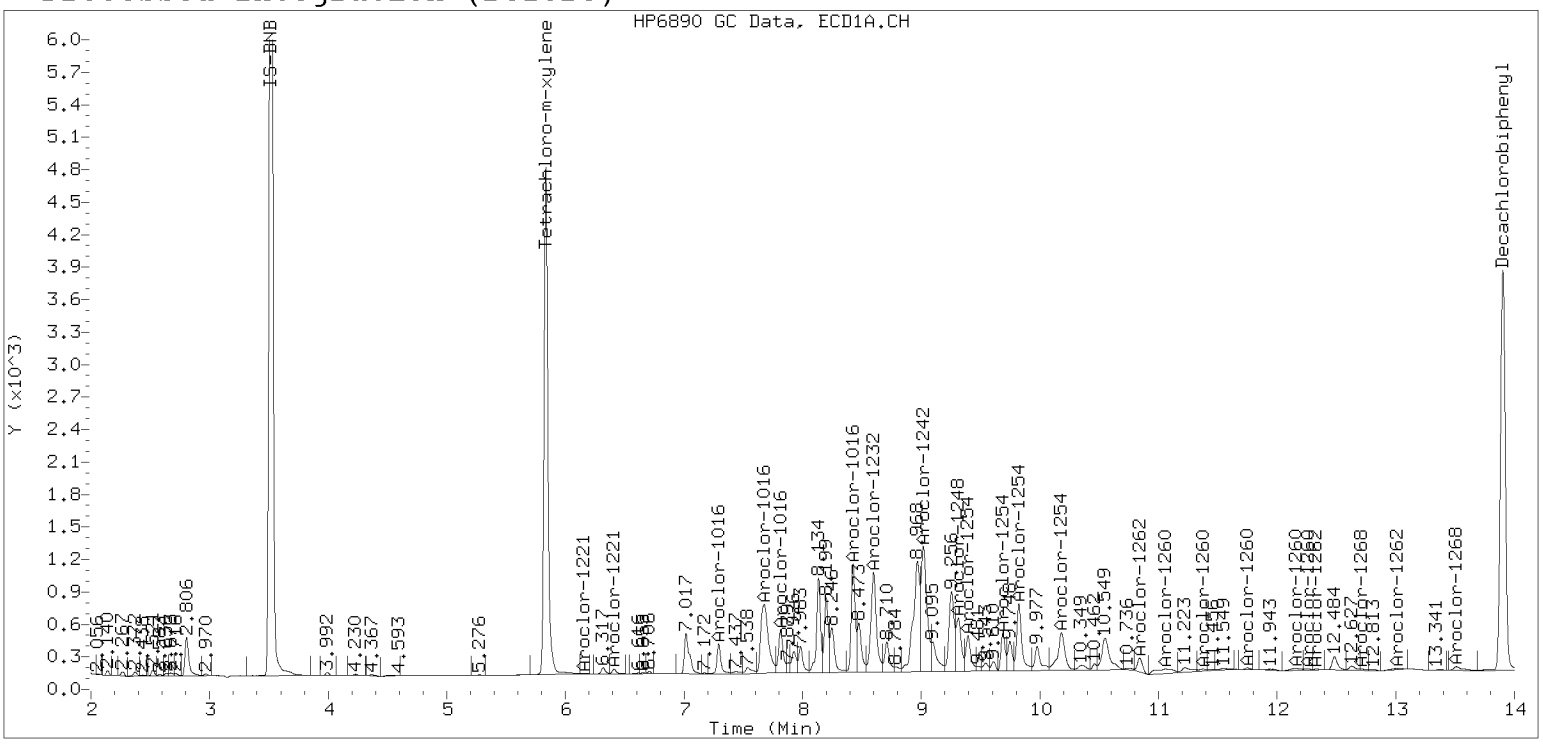
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202259ECD7.D Injection Date: 21-DEC-2022 09:15

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202260ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCV8	Injection Time:	09:36
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	271	0.0441939	0.0475904		8.4	+/-20
Aroclor-1016 (1)	A	250.00	265	0.0266860	0.0283268		6.1	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0921213		6.9	
Aroclor-1016 (3)	A	250.00	265	0.0390425	0.0414498		6.2	
Aroclor-1016 (4)	A	250.00	286	0.0248899	0.0284638		14.4	
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0441179		-2.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	254	0.0409030	0.0415195		1.5	
Aroclor-1016 (2) [2C]	A	250.00	221	0.0882154	0.0780718		-11.5	
Aroclor-1016 (3) [2C]	A	250.00	236	0.0378846	0.0358189		-5.5	
Aroclor-1016 (4) [2C]	A	250.00	264	0.0199212	0.0210613		5.7	
Aroclor 1260	A	250.00	297	0.0390342	0.0465721		19.0	+/-20
Aroclor-1260 (1)	A	250.00	302	0.0291201	0.0351951		20.9	
Aroclor-1260 (2)	A	250.00	302	0.0301181	0.0363672		20.7	
Aroclor-1260 (3)	A	250.00	300	0.0791351	0.0948998		19.9	
Aroclor-1260 (4)	A	250.00	293	0.0403003	0.0472566		17.3	
Aroclor-1260 (5)	A	250.00	290	0.0164974	0.0191417		16.0	
Aroclor 1260 [2C]	A	250.00	238	0.0617619	0.0561493		-4.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	252	0.0422283	0.0425634		0.8	
Aroclor-1260 (2) [2C]	A	250.00	209	0.1059643	0.0885683		-16.4	
Aroclor-1260 (3) [2C]	A	250.00	269	0.0282173	0.0303960		7.7	
Aroclor-1260 (4) [2C]	A	250.00	223	0.0706376	0.0630697		-10.7	
Decachlorobiphenyl	A	40.000	43.5	0.7333327	0.7978181		8.8	+/-20
Tetrachlorometaxylene	A	40.000	41.9	1.1336710	1.1865930		4.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.9	1.1358180	1.1333520		-0.2	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1081700		1.1	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202260ECD7.D
Data file 2: /221220.b/221220.b/12202260ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV8
Client ID:
Injection Date: 21-DEC-2022 09:36
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	203817	5.710	-0.003	114367	41.9	40.4	3.5	Tetrachloro-m-xylene
13.904	-0.004	221509	14.132	-0.004	167663	43.5	39.9	8.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	343533	-23.3
Hexabromobiphenyl	798898	555287	-30.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	206407	-17.1
Hexabromobiphenyl	362541	295871	-18.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	-0.004	30410	265.4	1	7.275	-0.001	26781	253.8
Aroclor-1016	2	7.674	-0.010	98896	267.3	2	7.872	0.002	50358	221.3
Aroclor-1016	3	7.812	-0.006	44498	265.4	3	8.072	0.001	23104	236.4
Aroclor-1016	4	8.423	-0.006	30557	285.9	4	8.242	0.001	13585	264.3
Total Col1Ave (4 peaks):					271.0	Total Col2Ave (4 peaks):				243.9 RPD = 11
Corrected Ave (3 peaks):					266.0	Corrected Ave (3 peaks):				237.1 RPD = 11
Aroclor-1260	1	11.056	-0.006	61073	302.2	1	11.667	-0.003	39354	252.0
Aroclor-1260	2	11.372	-0.005	63107	301.9	2	11.928	-0.005	81890	209.0
Aroclor-1260	3	11.746	-0.006	164677	299.8	3	12.448	-0.003	28104	269.3
Aroclor-1260	4	12.149	-0.010	82003	293.2	4	12.512	-0.005	58314	223.2
Aroclor-1260	5	12.256	-0.005	33216	290.1	NS	---			----
Total Col1Ave (5 peaks):					297.4	Total Col2Ave (4 peaks):				238.4 RPD = 22
Corrected Ave (4 peaks):					296.2	Corrected Ave (3 peaks):				228.1 RPD = 26

Total PCB Area Col1 (5.936 - 13.808) = 1719175 Col1 Total PCB = 0.5 ppm*

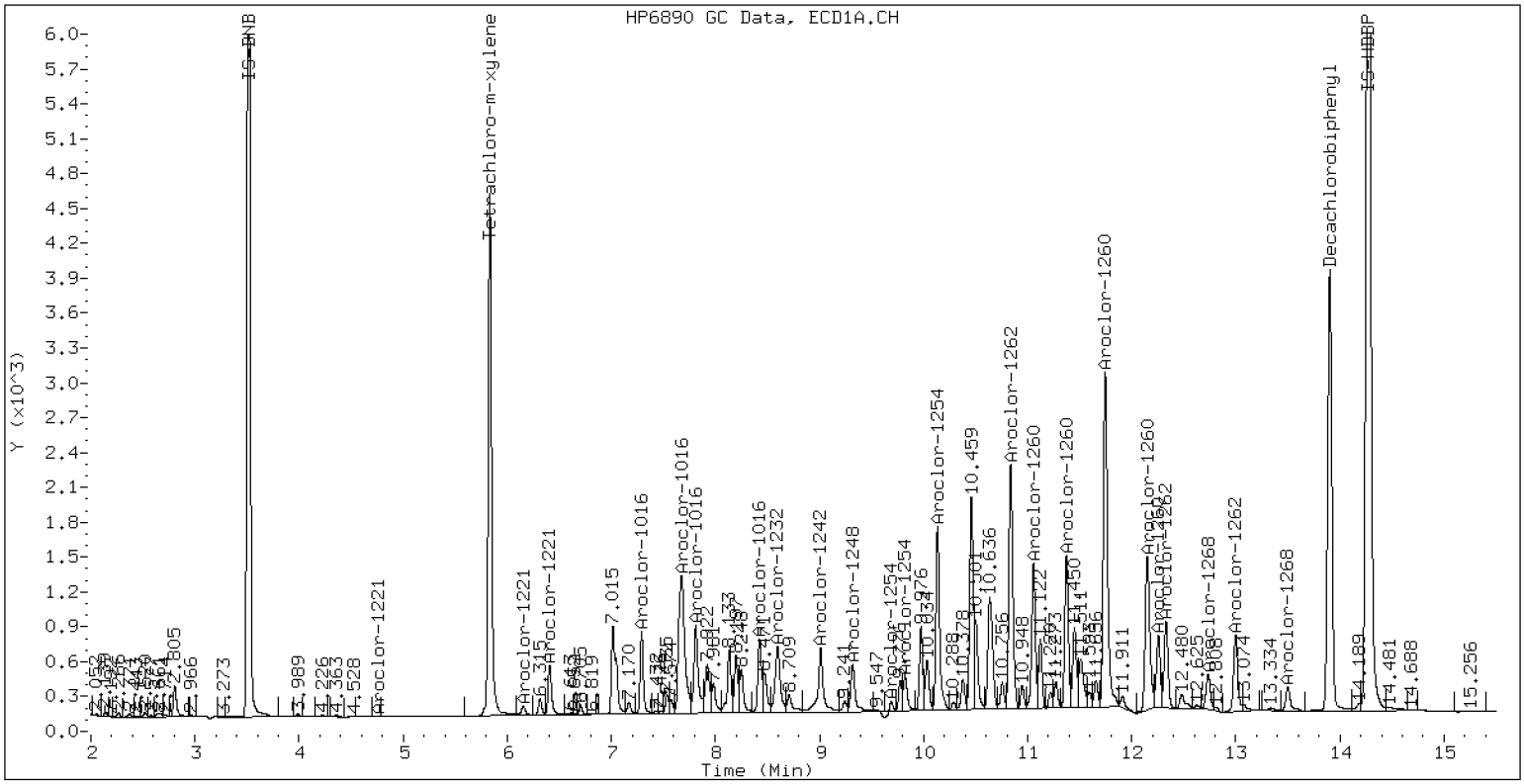
Total PCB Area Col2 (5.813 - 14.037) = 928066 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

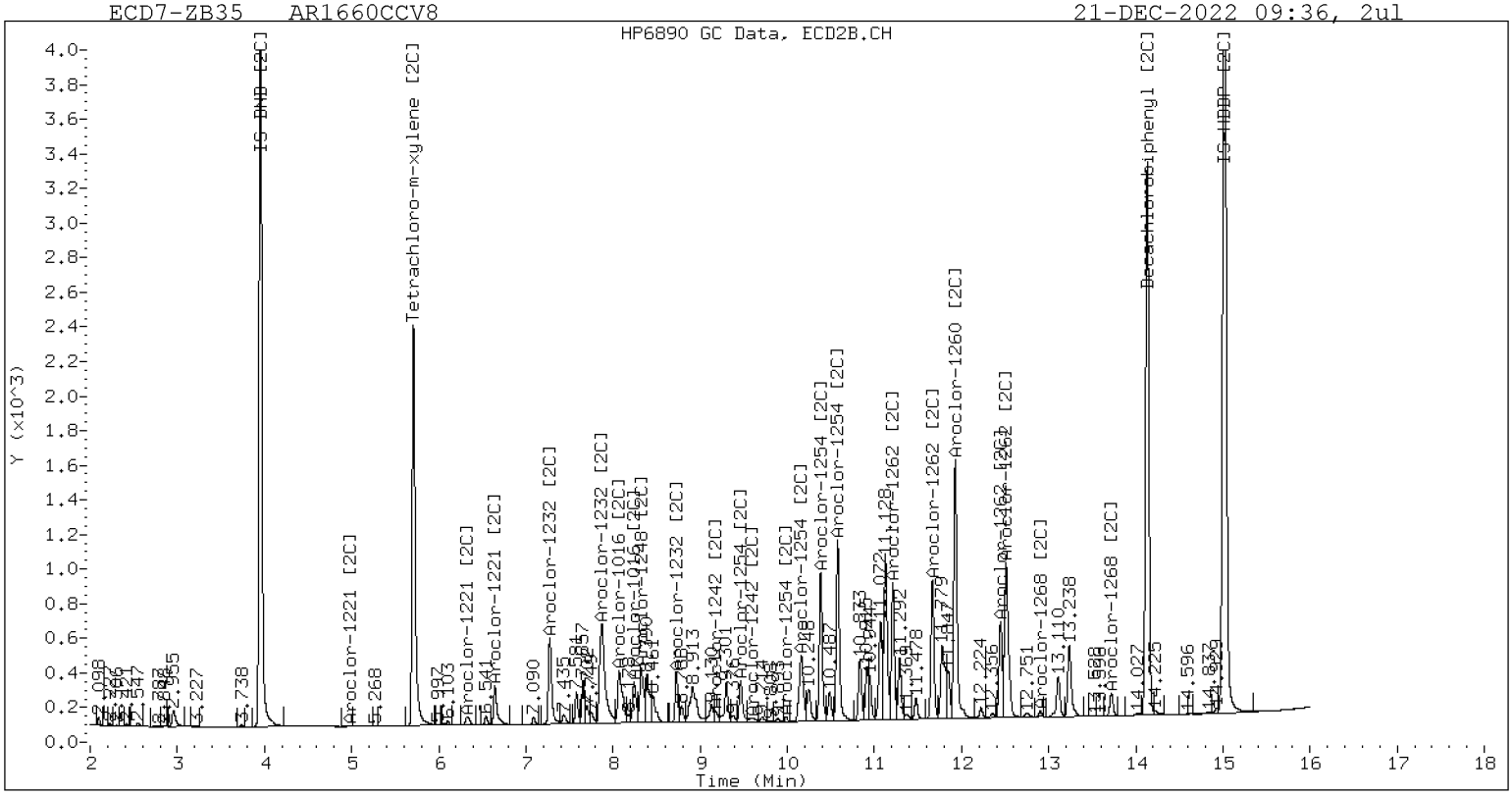
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 21-DEC-2022 09:36, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV8 21-DEC-2022 09:36, 2ul

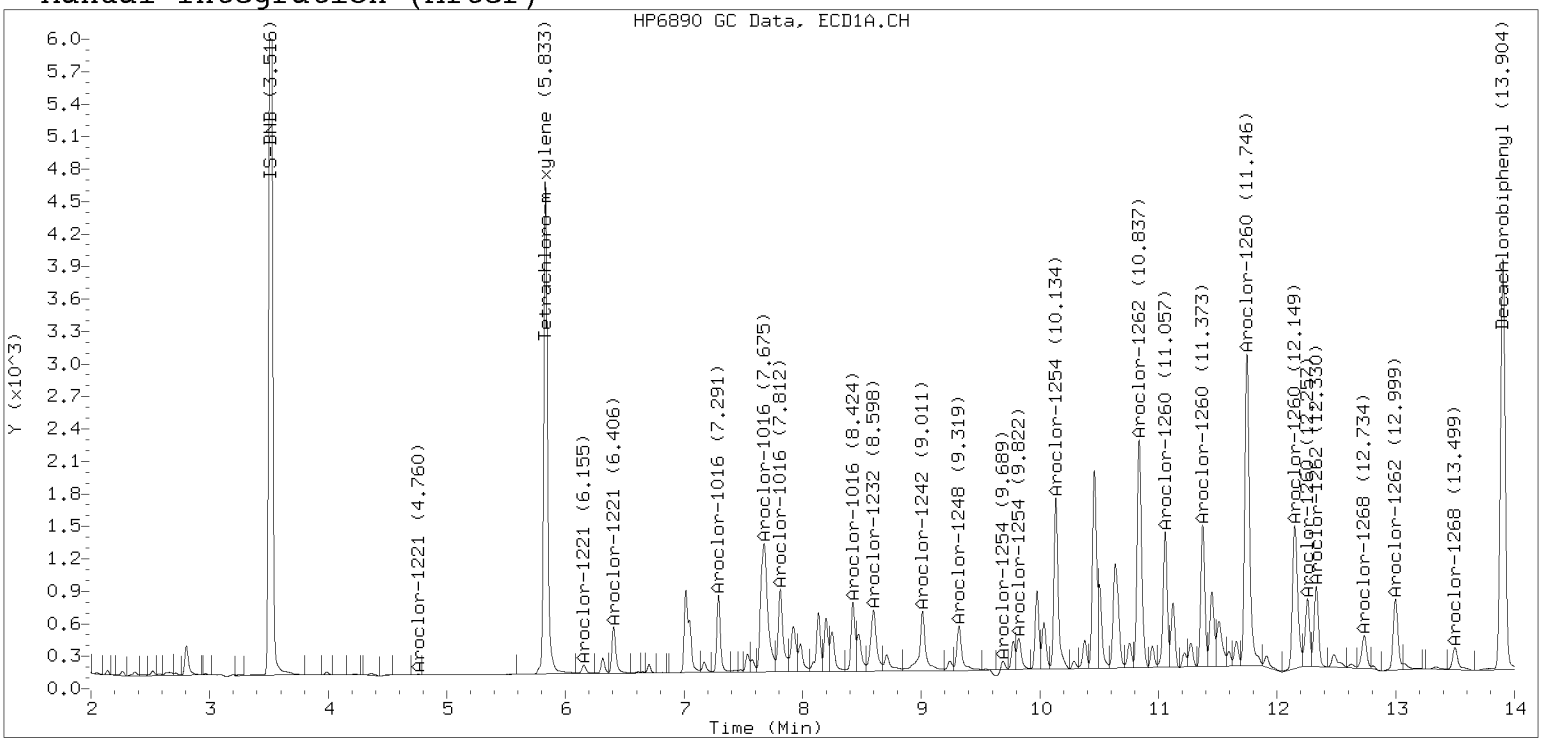


ZB-35 Manual Integration: NO

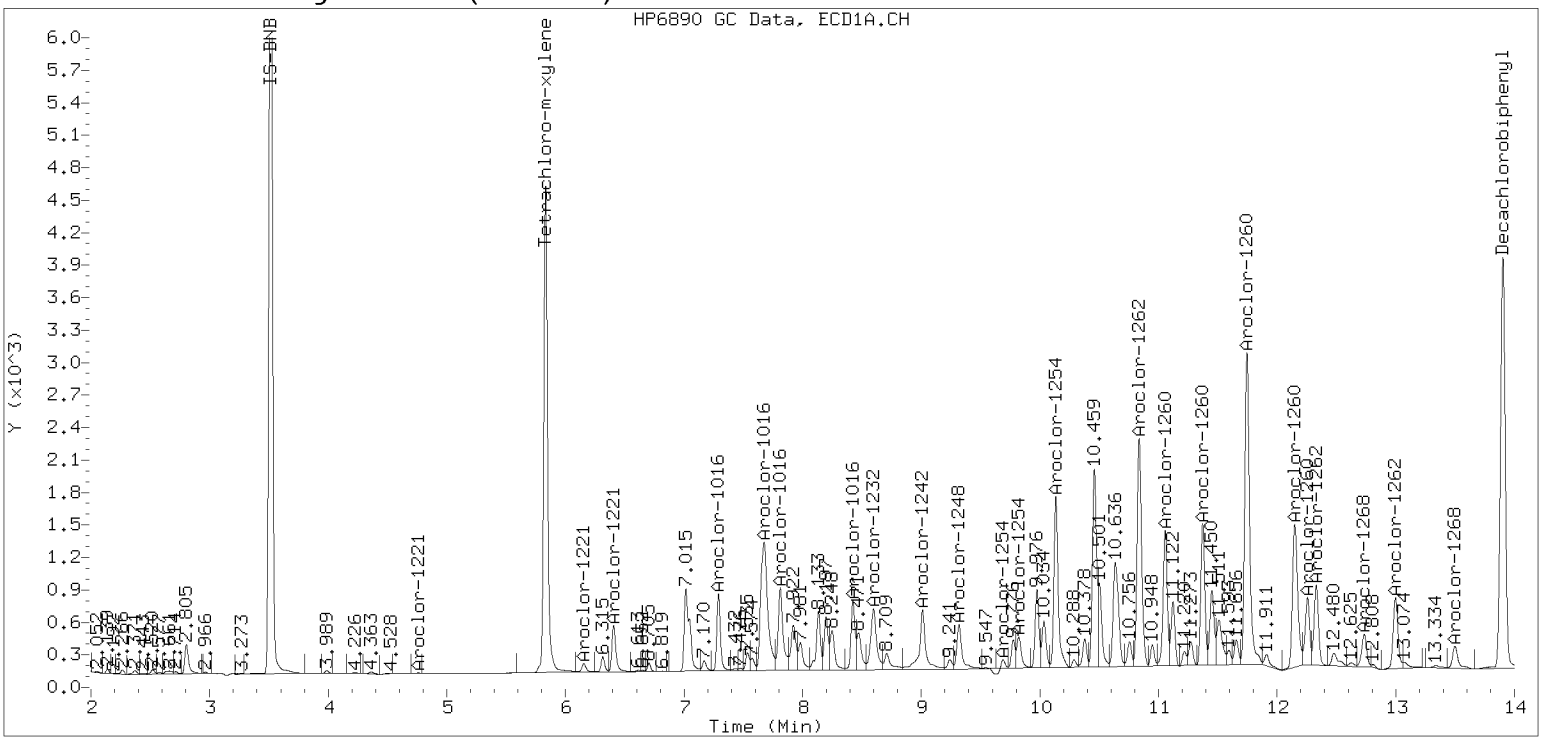
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202260ECD7.D Injection Date: 21-DEC-2022 09:36

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202275ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCV9	Injection Time:	14:54
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	254	0.0396000	0.0401963		1.4	+/-20
Aroclor-1242 (1)	A	250.00	252		0.0229004			
Aroclor-1242 (2)	A	250.00	261		0.0750485			
Aroclor-1242 (3)	A	250.00	262		0.0217415			
Aroclor-1242 (4)	A	250.00	239		0.0410948			
Aroclor 1242 [2C]	A	250.00	250	0.0391981	0.0371375		0.01	+/-20
Aroclor-1242 (1) [2C]	A	250.00	254		0.0343390			
Aroclor-1242 (2) [2C]	A	250.00	205		0.0590332			
Aroclor-1242 (3) [2C]	A	250.00	276		0.0255729			
Aroclor-1242 (4) [2C]	A	250.00	266		0.0296049			
Decachlorobiphenyl	A	40.000	42.7	0.7333327	0.7836599		6.9	+/-20
Tetrachlorometaxylene	A	40.000	38.3	1.1336710	1.0858910		-4.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1167160		-1.7	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0300020		-6.1	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202275ECD7.D
Data file 2: /221220.b/221220.b/12202275ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV9
Client ID:
Injection Date: 21-DEC-2022 14:54
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	236878	5.712	-0.002	134474	38.3	37.6	2.0	Tetrachloro-m-xylene
13.904	-0.003	249437	14.132	-0.004	201512	42.7	39.3	8.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	436283	-2.5
Hexabromobiphenyl	798898	636595	-20.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	261114	4.8
Hexabromobiphenyl	362541	360901	-0.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.291	-0.004	31222	252.5	1	7.276	-0.001	28020	253.6
Aroclor-1242	2	7.676	-0.009	102320	260.6	2	7.873	-0.002	48170	205.3
Aroclor-1242	3	8.423	-0.006	29642	262.4	3	9.172	-0.006	20867	275.7
Aroclor-1242	4	9.023	-0.008	56028	238.8	4	9.592	-0.013	24157	265.6
Total Col1Ave (4 peaks): 253.6						Total Col2Ave (4 peaks): 250.0			RPD = 1	
Corrected Ave (3 peaks): 250.6						Corrected Ave (3 peaks): 241.5			RPD = 4	

Total PCB Area Col1 (5.936 - 13.808) = 775444 Col1 Total PCB = 0.2 ppm*

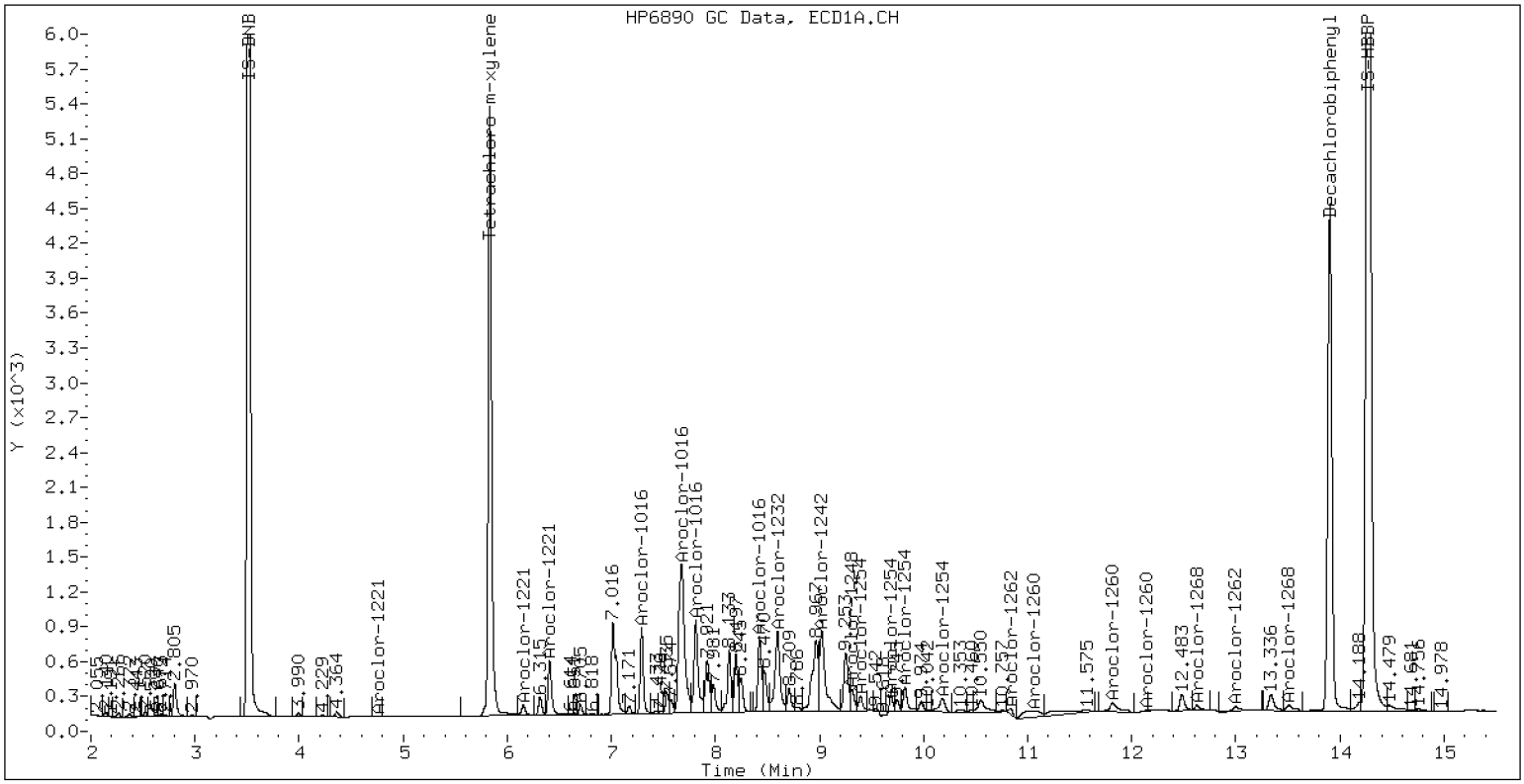
Total PCB Area Col2 (5.813 - 14.037) = 410123 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

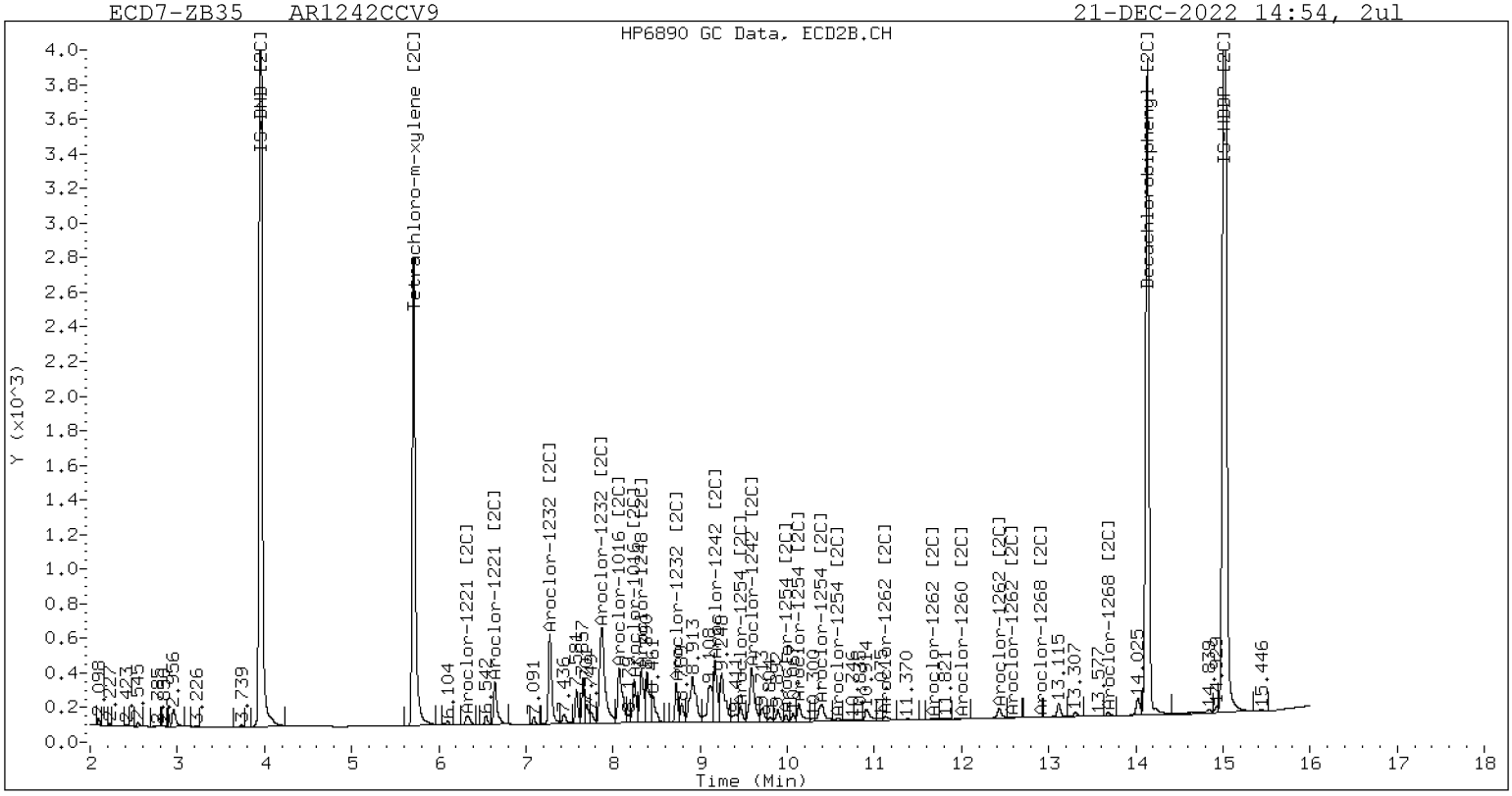
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 21-DEC-2022 14:54, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV9 21-DEC-2022 14:54, 2ul

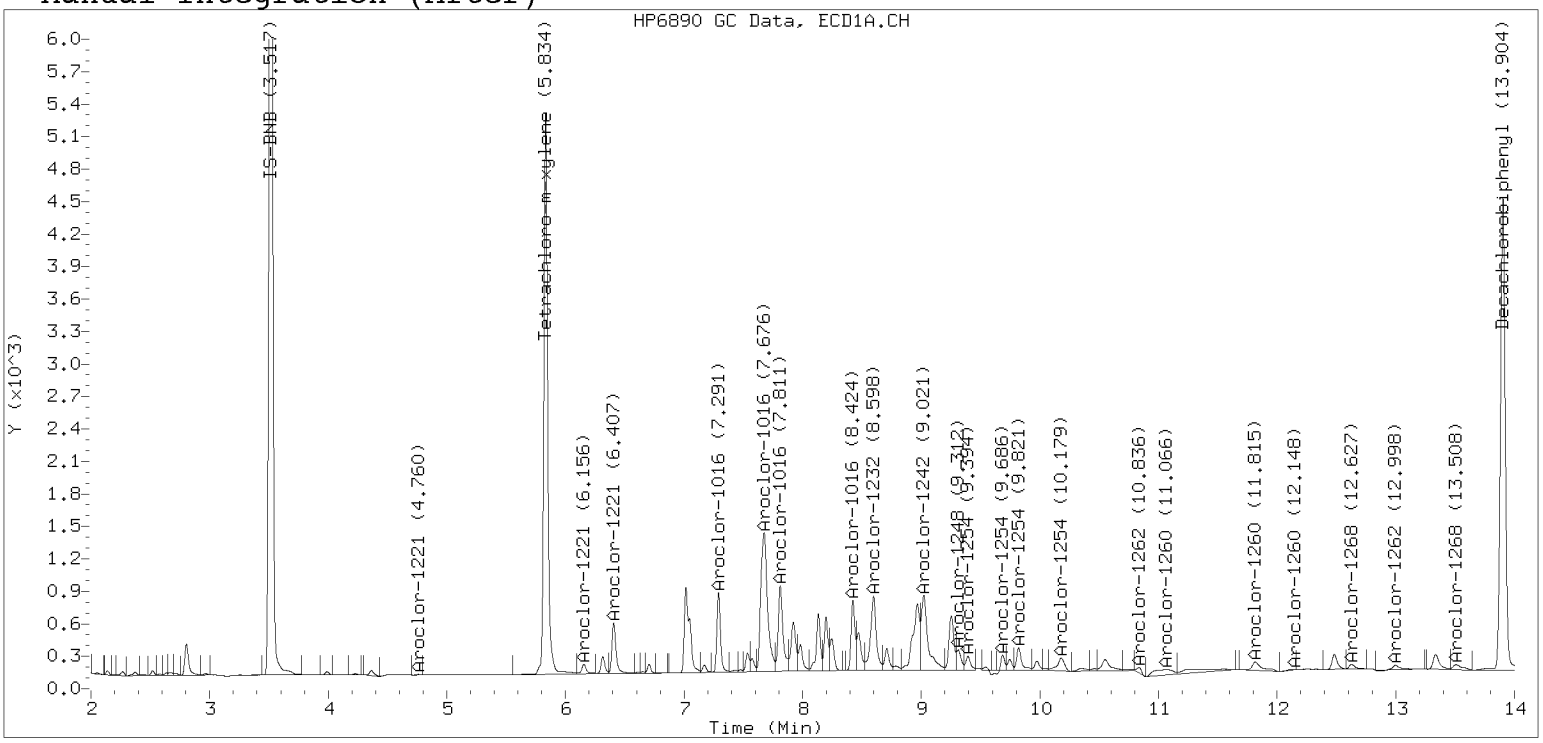


ZB-35 Manual Integration: NO

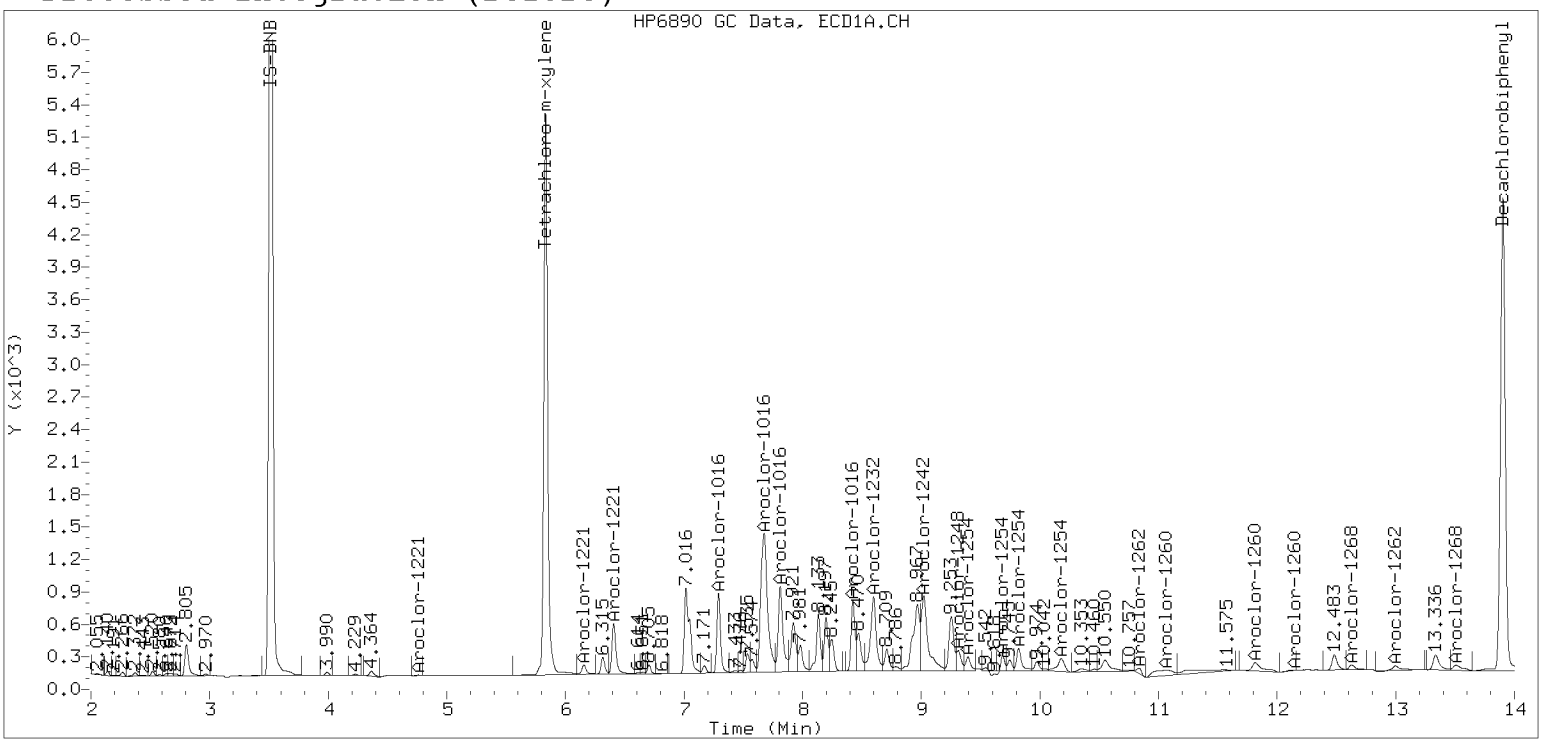
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202275ECD7.D Injection Date: 21-DEC-2022 14:54

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12202276ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0304	Injection Date:	12/21/22
Lab Sample ID:	SKL0304-CCVA	Injection Time:	15:15
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	270	0.0441939	0.0473790		8.1	+/-20
Aroclor-1016 (1)	A	250.00	264	0.0266860	0.0281691		5.6	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0916818		6.4	
Aroclor-1016 (3)	A	250.00	262	0.0390425	0.0409591		4.9	
Aroclor-1016 (4)	A	250.00	288	0.0248899	0.0287058		15.3	
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0443261		-1.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	251	0.0409030	0.0411367		0.6	
Aroclor-1016 (2) [2C]	A	250.00	222	0.0882154	0.0785087		-11.0	
Aroclor-1016 (3) [2C]	A	250.00	240	0.0378846	0.0364071		-3.9	
Aroclor-1016 (4) [2C]	A	250.00	267	0.0199212	0.0212519		6.7	
Aroclor 1260	A	250.00	296	0.0390342	0.0465825		18.2	+/-20
Aroclor-1260 (1)	A	250.00	299	0.0291201	0.0348478		19.7	
Aroclor-1260 (2)	A	250.00	300	0.0301181	0.0361830		20.1	
Aroclor-1260 (3)	A	250.00	303	0.0791351	0.0958318		21.1	
Aroclor-1260 (4)	A	250.00	295	0.0403003	0.0475161		17.9	
Aroclor-1260 (5)	A	250.00	281	0.0164974	0.0185339		12.3	
Aroclor 1260 [2C]	A	250.00	228	0.0617619	0.0532304		-8.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	245	0.0422283	0.0413974		-2.0	
Aroclor-1260 (2) [2C]	A	250.00	192	0.1059643	0.0814875		-23.1	
Aroclor-1260 (3) [2C]	A	250.00	263	0.0282173	0.0296413		5.0	
Aroclor-1260 (4) [2C]	A	250.00	214	0.0706376	0.0603954		-14.5	
Decachlorobiphenyl	A	40.000	46.8	0.7333327	0.8580851		17.0	+/-20
Tetrachlorometaxylene	A	40.000	40.9	1.1336710	1.1602910		2.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.4	1.1358180	1.1180540		-1.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.6	1.0966080	1.0845280		-1.1	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221220.b/12202276ECD7.D
Data file 2: /221220.b/221220.b/12202276ECD7.D
Method: \\target\share\chem4\ecd7.i\221220.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVA
Client ID:
Injection Date: 21-DEC-2022 15:15
Report Date: 12/27/2022 10:35
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	203051	5.711	-0.002	113479	40.9	39.6	3.4	Tetrachloro-m-xylene
13.903	-0.005	243803	14.132	-0.005	176666	46.8	39.4	17.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	350000	-21.8
Hexabromobiphenyl	798898	568249	-28.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	209269	-16.0
Hexabromobiphenyl	362541	316024	-12.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	-0.003	30810	263.9	1	7.276	0.000	26902	251.4
Aroclor-1016	2	7.677	-0.008	100277	266.0	2	7.872	0.001	51342	222.5
Aroclor-1016	3	7.812	-0.006	44799	262.3	3	8.072	0.002	23809	240.3
Aroclor-1016	4	8.424	-0.006	31397	288.3	4	8.242	0.001	13898	266.7
	Total Col1Ave (4 peaks):				270.1	Total Col2Ave (4 peaks):				245.2 RPD = 10
	Corrected Ave (3 peaks):				264.1	Corrected Ave (3 peaks):				238.1 RPD = 10
Aroclor-1260	1	11.057	-0.005	61882	299.2	1	11.666	-0.003	40883	245.1
Aroclor-1260	2	11.374	-0.004	64253	300.3	2	11.928	-0.005	80475	192.3
Aroclor-1260	3	11.745	-0.007	170176	302.7	3	12.448	-0.003	29273	262.6
Aroclor-1260	4	12.149	-0.009	84378	294.8	4	12.512	-0.005	59645	213.8
Aroclor-1260	5	12.254	-0.007	32912	280.9	NS	---			----
	Total Col1Ave (5 peaks):				295.6	Total Col2Ave (4 peaks):				228.4 RPD = 26
	Corrected Ave (4 peaks):				293.8	Corrected Ave (3 peaks):				217.0 RPD = 30

Total PCB Area Col1 (5.936 - 13.808) = 1764155 Col1 Total PCB = 0.5 ppm*

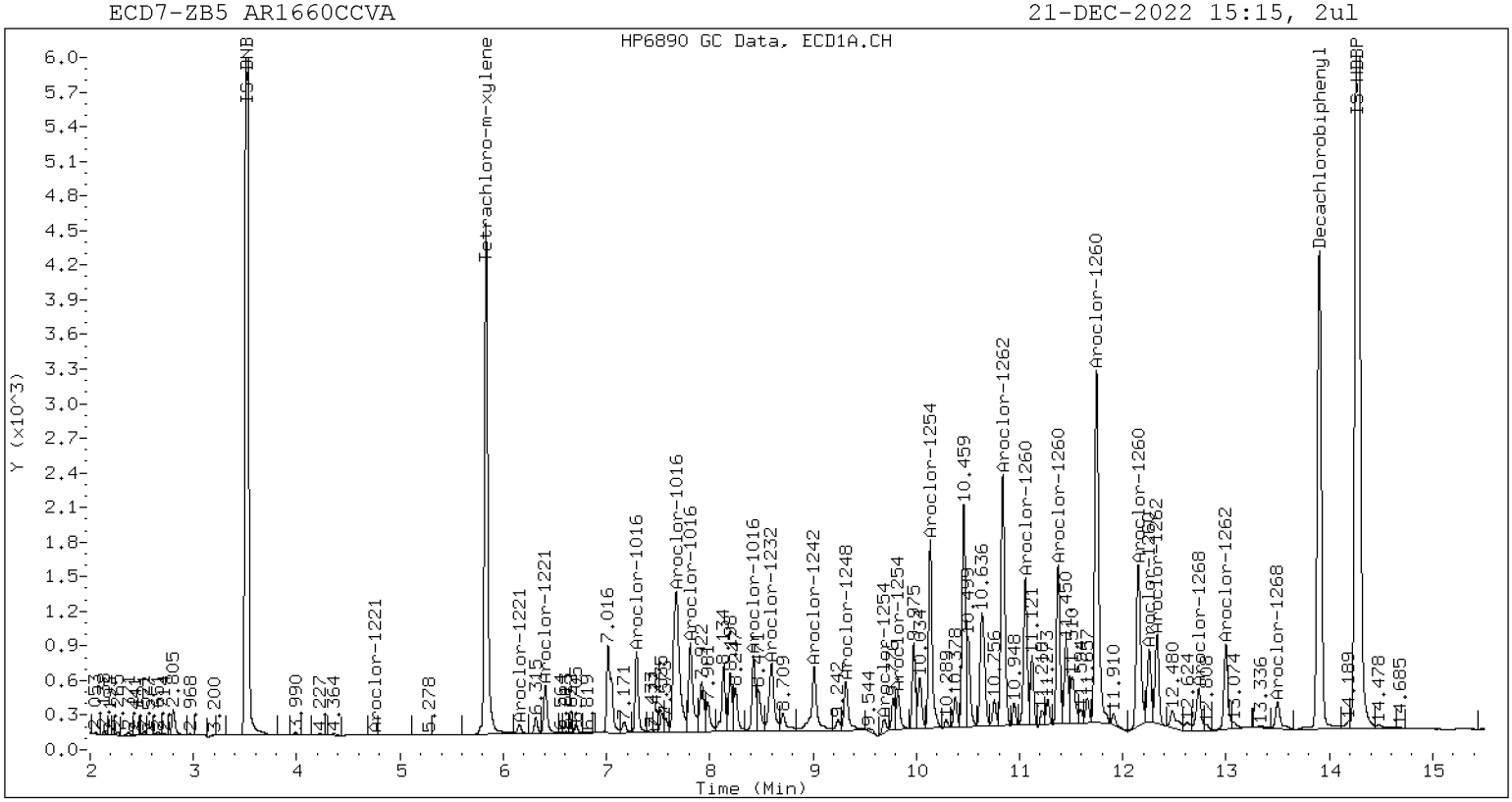
Total PCB Area Col2 (5.813 - 14.037) = 951643 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

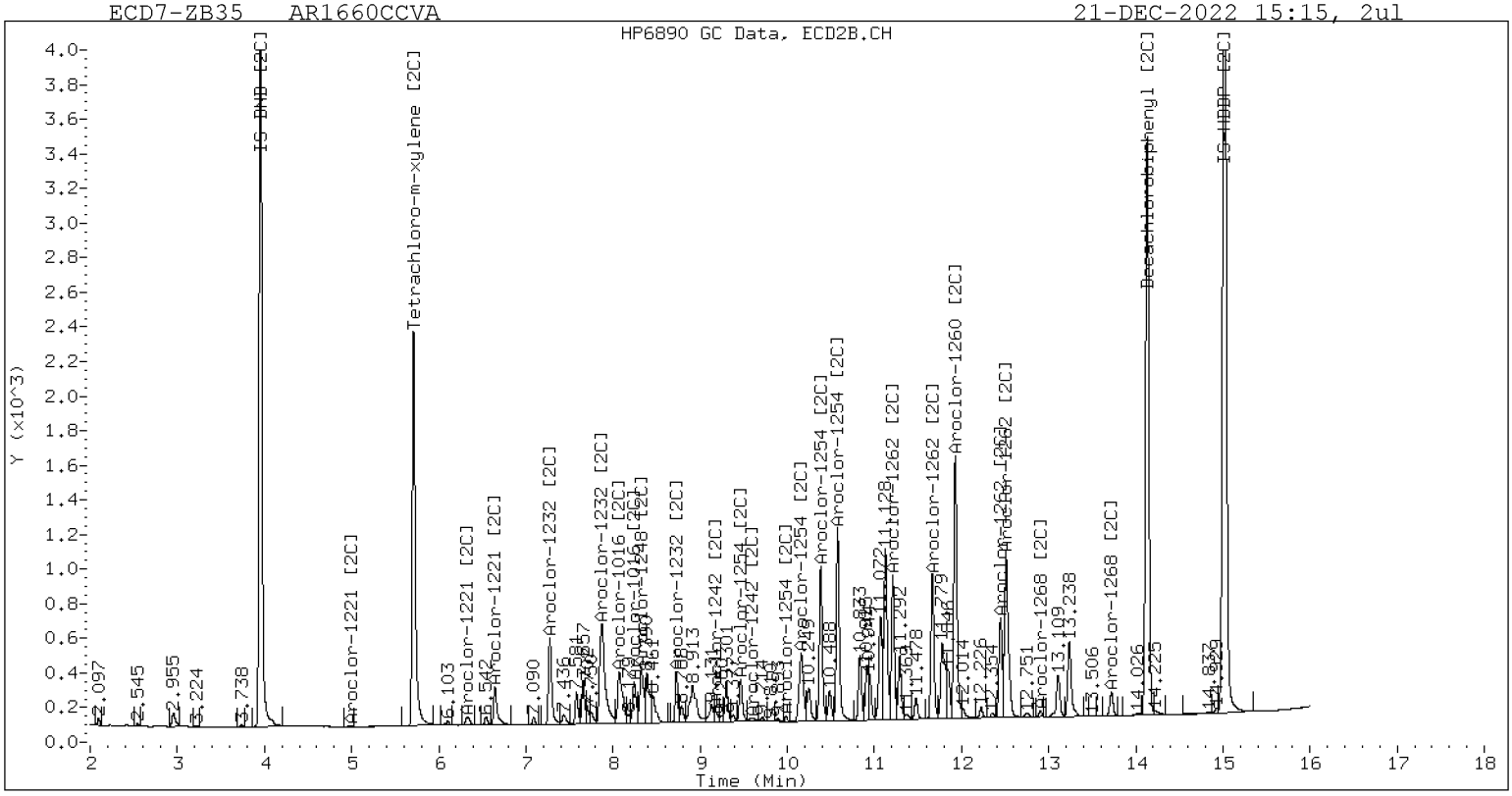
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 21-DEC-2022 15:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCVA 21-DEC-2022 15:15, 2ul

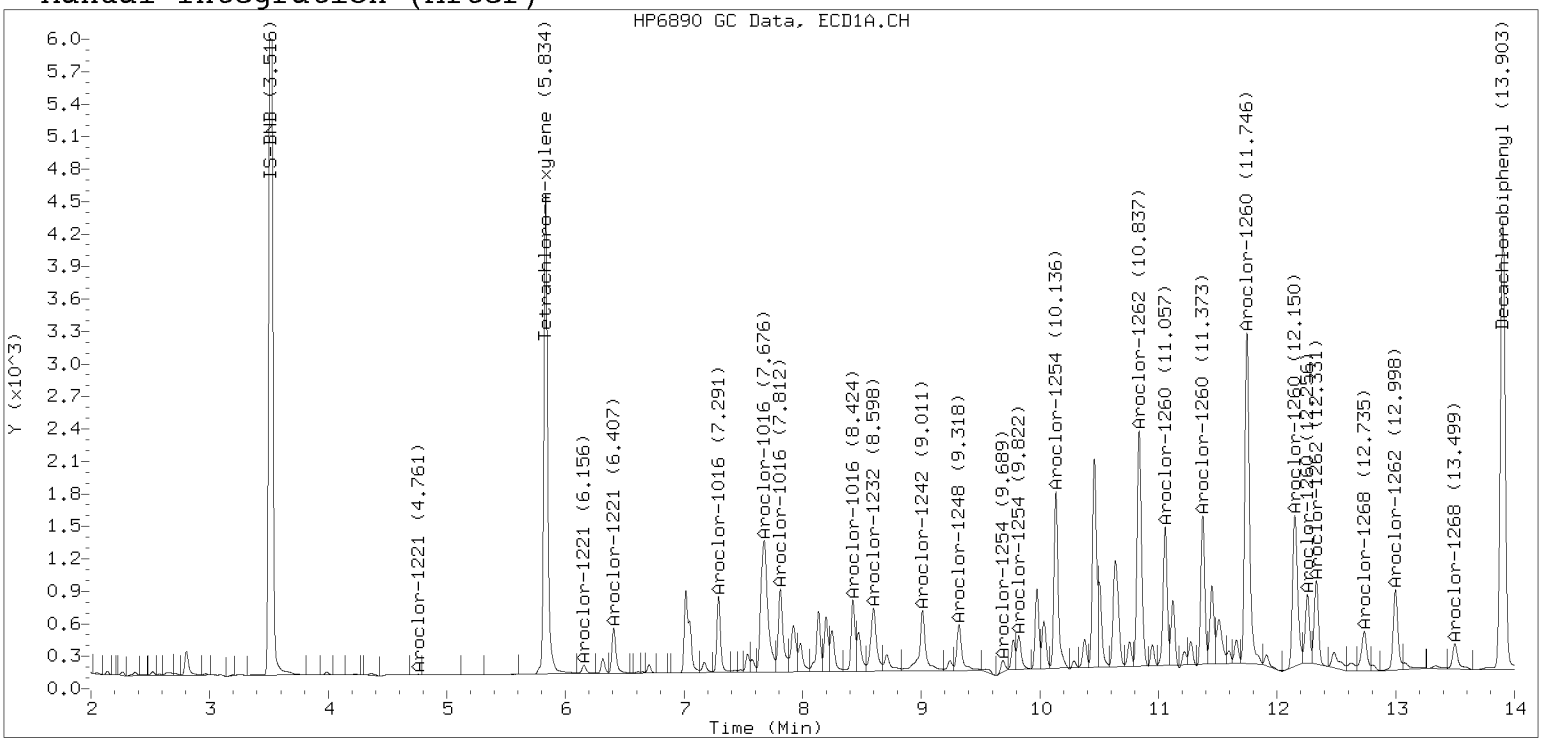


ZB-35 Manual Integration: NO

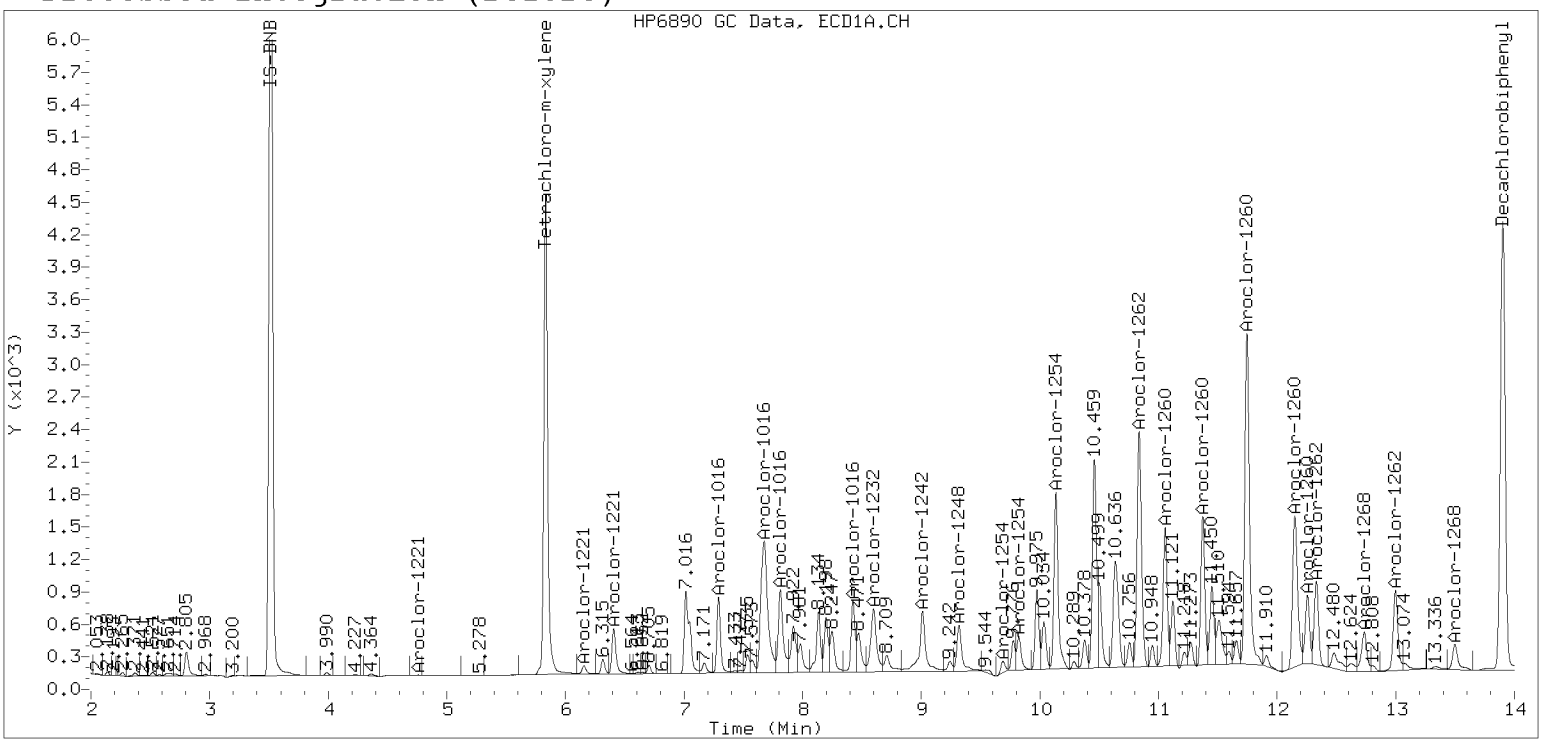
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221220.b/12202276ECD7.D Injection Date: 21-DEC-2022 15:15

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212216ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/21/22
Lab Sample ID:	SKL0319-CCV1	Injection Time:	21:04
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	225	0.0490062	0.0434087		-10.0	+/-20
Aroclor-1248 (1)	A	250.00	264		0.0363534			
Aroclor-1248 (2)	A	250.00	275		0.0482412			
Aroclor-1248 (3)	A	250.00	206		0.0649880			
Aroclor-1248 (4)	A	250.00	155		0.0240523			
Aroclor 1248 [2C]	A	250.00	236	0.0394876	0.0376389		-5.7	+/-20
Aroclor-1248 (1) [2C]	A	250.00	246		0.0321738			
Aroclor-1248 (2) [2C]	A	250.00	184		0.0252857			
Aroclor-1248 (3) [2C]	A	250.00	264		0.0442118			
Aroclor-1248 (4) [2C]	A	250.00	249		0.0488842			
Decachlorobiphenyl	A	40.000	41.6	0.7333327	0.7622010		4.0	+/-20
Tetrachlorometaxylene	A	40.000	35.0	1.1336710	0.9918790		-12.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.2	1.1358180	1.1147580		-2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.5	1.0966080	0.9730941		-11.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212216ECD7.D
Data file 2: /221221.b/221221.b/12212216ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV1
Client ID:
Injection Date: 21-DEC-2022 21:04
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.001	211543	5.711	0.000	121628	35.0	35.5	1.4	Tetrachloro-m-xylene
13.903	-0.001	234272	14.132	0.000	192060	41.6	39.3	5.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	426550	-4.7
Hexabromobiphenyl	798898	614725	-23.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	249982	0.4
Hexabromobiphenyl	362541	344577	-5.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount	
Aroclor-1248	1	8.424	-0.003	48458	264.2	1	8.325	0.001	25134	246.1	
Aroclor-1248	2	8.598	-0.006	64304	274.6	2	8.729	0.002	19753	183.9	
Aroclor-1248	3	9.017	-0.005	86627	205.6	3	9.172	0.000	34538	264.3	
Aroclor-1248	4	9.312	0.000	32061	155.4	4	9.594	0.002	38188	249.0	
Total Col1Ave (4 peaks):					225.0	Total Col2Ave (4 peaks):				235.8	RPD = 5
Corrected Ave (3 peaks):					208.4	Corrected Ave (3 peaks):				226.3	RPD = 8
CalAmt %D:					-10.0	CalAmt %D:				-5.7	

Total PCB Area Col1 (5.933 - 13.804) = 1000456 Col1 Total PCB = 0.2 ppm*

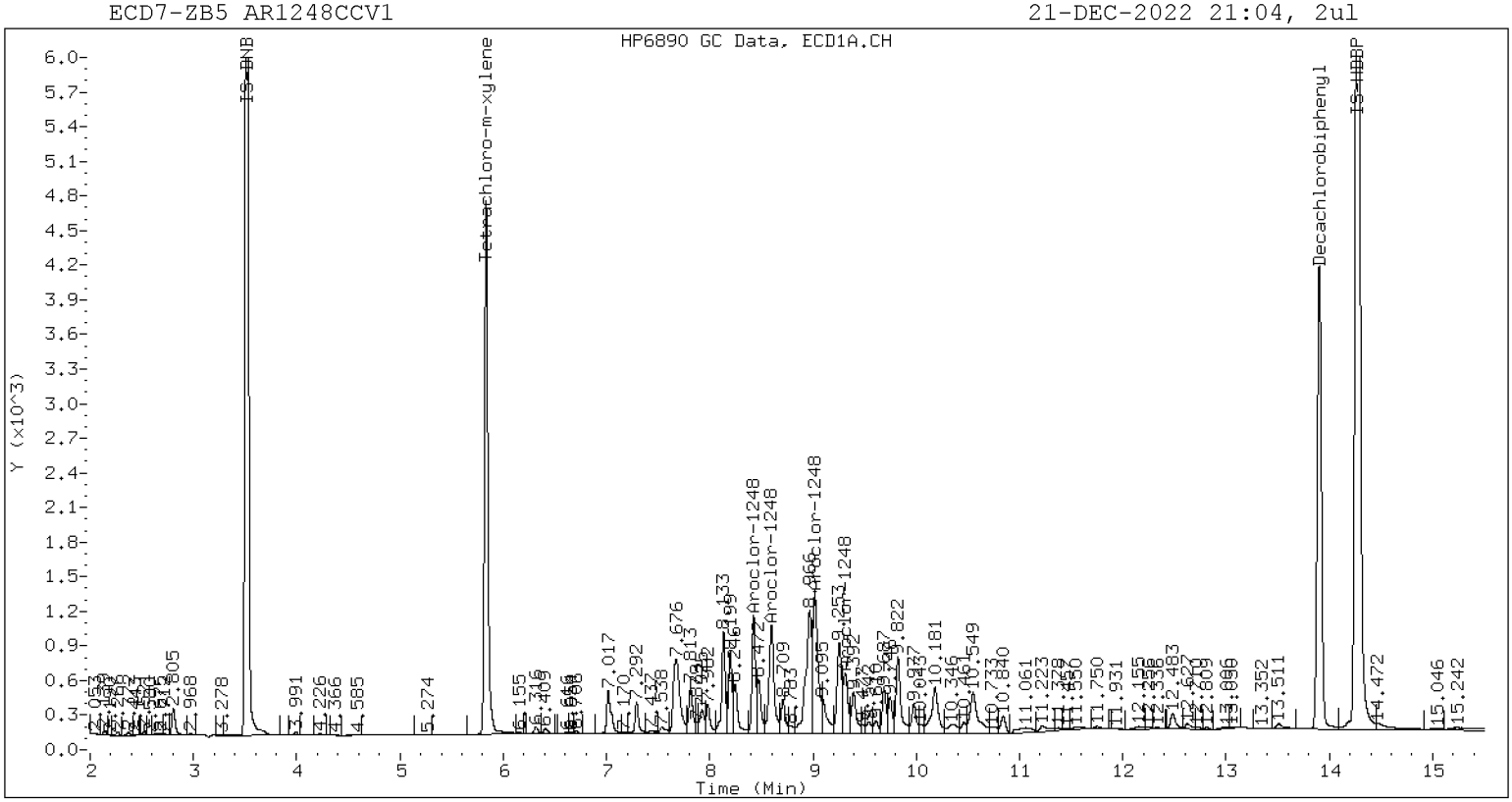
Total PCB Area Col2 (5.810 - 14.032) = 473915 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

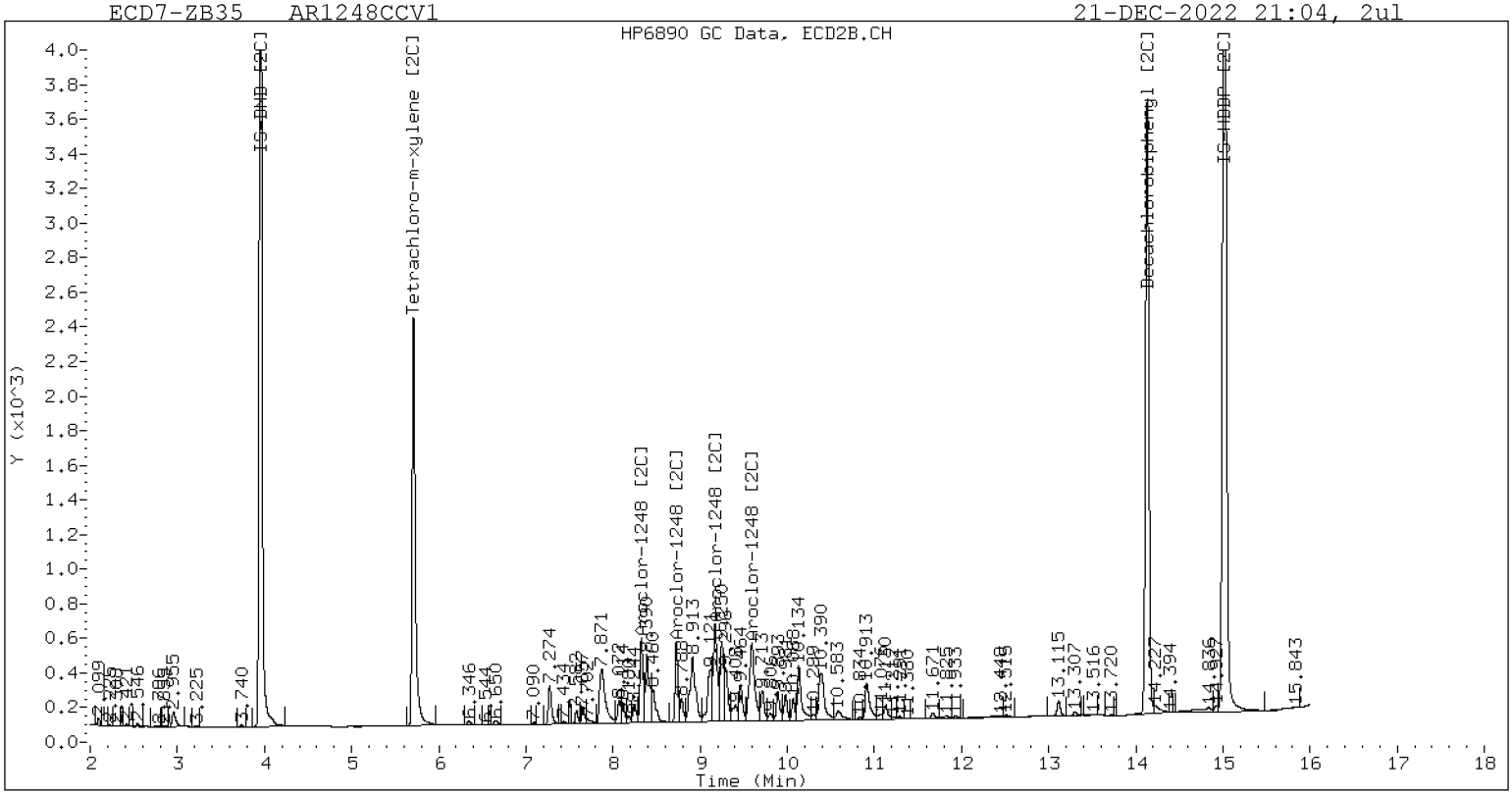
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 21-DEC-2022 21:04, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 21-DEC-2022 21:04, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212217ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/21/22
Lab Sample ID:	SKL0319-CCV2	Injection Time:	21:25
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	244	0.0441939	0.0420994		-2.5	+/-20
Aroclor-1016 (1)	A	250.00	263	0.0266860	0.0281057		5.2	
Aroclor-1016 (2)	A	250.00	235	0.0861572	0.0809002		-6.0	
Aroclor-1016 (3)	A	250.00	212	0.0390425	0.0330446		-15.2	
Aroclor-1016 (4)	A	250.00	265	0.0248899	0.0263470		6.0	
Aroclor 1016 [2C]	A	250.00	242	0.0467310	0.0435810		-3.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	247	0.0409030	0.0404550		-1.2	
Aroclor-1016 (2) [2C]	A	250.00	218	0.0882154	0.0767881		-12.8	
Aroclor-1016 (3) [2C]	A	250.00	238	0.0378846	0.0361250		-4.8	
Aroclor-1016 (4) [2C]	A	250.00	263	0.0199212	0.0209558		5.2	
Aroclor 1260	A	250.00	267	0.0390342	0.0426160		6.8	+/-20
Aroclor-1260 (1)	A	250.00	293	0.0291201	0.0341525		17.2	
Aroclor-1260 (2)	A	250.00	284	0.0301181	0.0342249		13.6	
Aroclor-1260 (3)	A	250.00	282	0.0791351	0.0892573		12.8	
Aroclor-1260 (4)	A	250.00	252	0.0403003	0.0406855		0.8	
Aroclor-1260 (5)	A	250.00	224	0.0164974	0.0147596		-10.4	
Aroclor 1260 [2C]	A	250.00	229	0.0617619	0.0533412		-8.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	247	0.0422283	0.0416583		-1.2	
Aroclor-1260 (2) [2C]	A	250.00	196	0.1059643	0.0828763		-21.6	
Aroclor-1260 (3) [2C]	A	250.00	261	0.0282173	0.0295079		4.4	
Aroclor-1260 (4) [2C]	A	250.00	210	0.0706376	0.0593222		-16.0	
Decachlorobiphenyl	A	40.000	45.7	0.7333327	0.8381375		14.3	+/-20
Tetrachlorometaxylene	A	40.000	40.4	1.1336710	1.1466300		1.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.6	1.1358180	1.1243980		-1.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.0	1.0966080	1.0697510		-2.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212217ECD7.D
Data file 2: /221221.b/221221.b/12212217ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV2
Client ID:
Injection Date: 21-DEC-2022 21:25
Report Date: 12/27/2022 10:15
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	0.001	189742	5.712	0.001	104473	40.5	39.0	3.6	Tetrachloro-m-xylene
13.903	-0.001	242399	14.131	-0.000	166705	45.7	39.6	14.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	330956	-26.1
Hexabromobiphenyl	798898	578423	-27.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	195322	-21.6
Hexabromobiphenyl	362541	296523	-18.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.000	29068	263.3	1	7.275	0.001	24693	247.3
Aroclor-1016	2	7.678	0.001	83670	234.7	2	7.872	0.000	46870	217.6
Aroclor-1016	3	7.810	-0.002	34176	211.6	3	8.072	0.002	22050	238.4
Aroclor-1016	4	8.425	0.003	27249	264.6	4	8.242	-0.000	12791	263.0
Total Col1Ave (4 peaks):					243.6	Total Col2Ave (4 peaks):				241.6 RPD = 1
Corrected Ave (3 peaks):					236.5	Corrected Ave (3 peaks):				234.4 RPD = 1
CalAmt %D:					-2.6	CalAmt %D:				-3.4
Aroclor-1260	1	11.058	0.002	61733	293.2	1	11.666	0.000	38602	246.6
Aroclor-1260	2	11.373	-0.002	61864	284.1	2	11.929	0.002	76796	195.5
Aroclor-1260	3	11.745	-0.002	161339	282.0	3	12.447	0.001	27343	261.4
Aroclor-1260	4	12.149	0.000	73542	252.4	4	12.513	0.001	54970	210.0
Aroclor-1260	5	12.255	0.000	26679	223.7	NS	---			----
Total Col1Ave (5 peaks):					267.1	Total Col2Ave (4 peaks):				228.4 RPD = 16
Corrected Ave (4 peaks):					260.5	Corrected Ave (3 peaks):				217.4 RPD = 18
CalAmt %D:					6.8	CalAmt %D:				-8.6

Total PCB Area Col1 (5.933 - 13.804) = 1685676 Col1 Total PCB = 0.5 ppm*

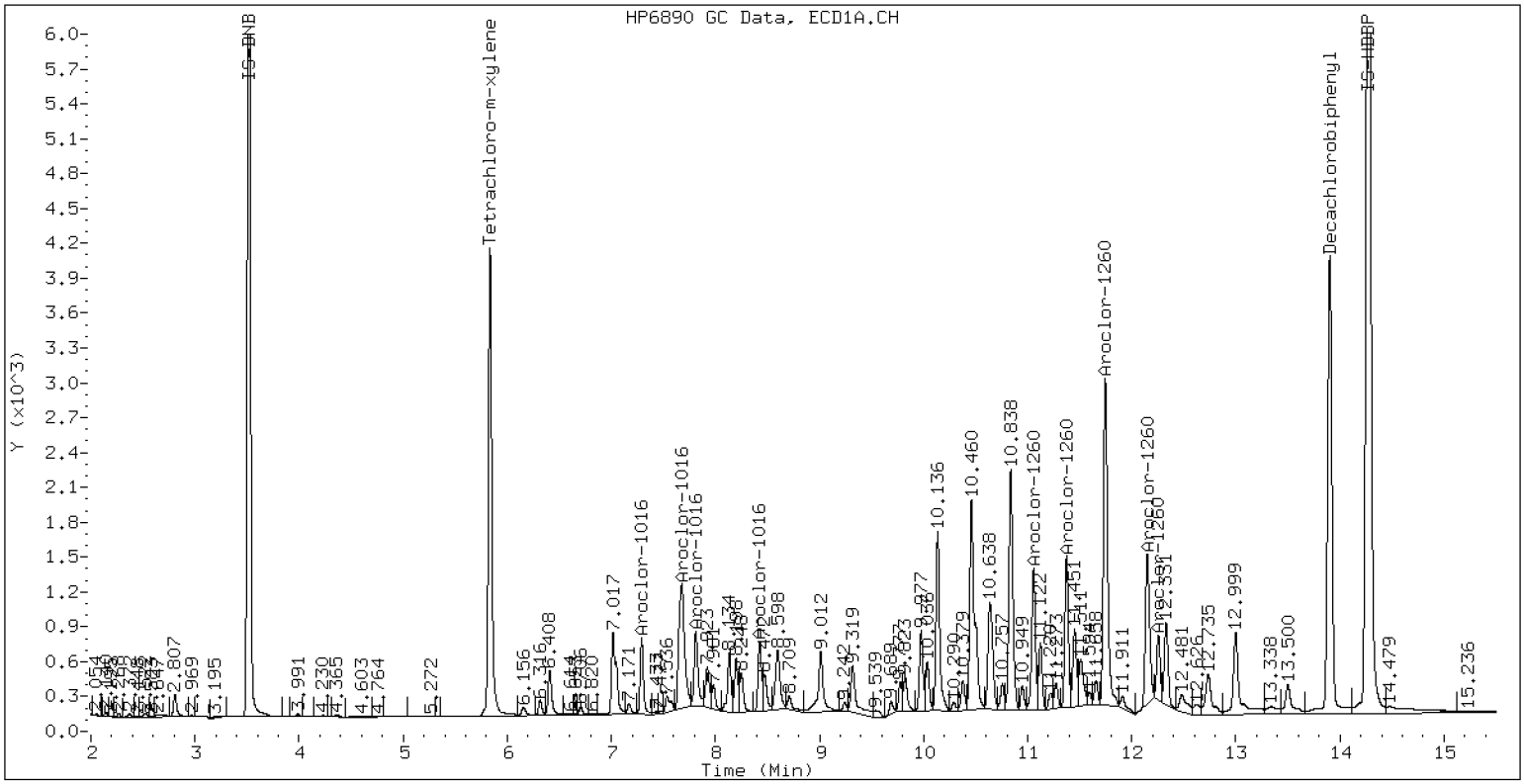
Total PCB Area Col2 (5.810 - 14.032) = 888798 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

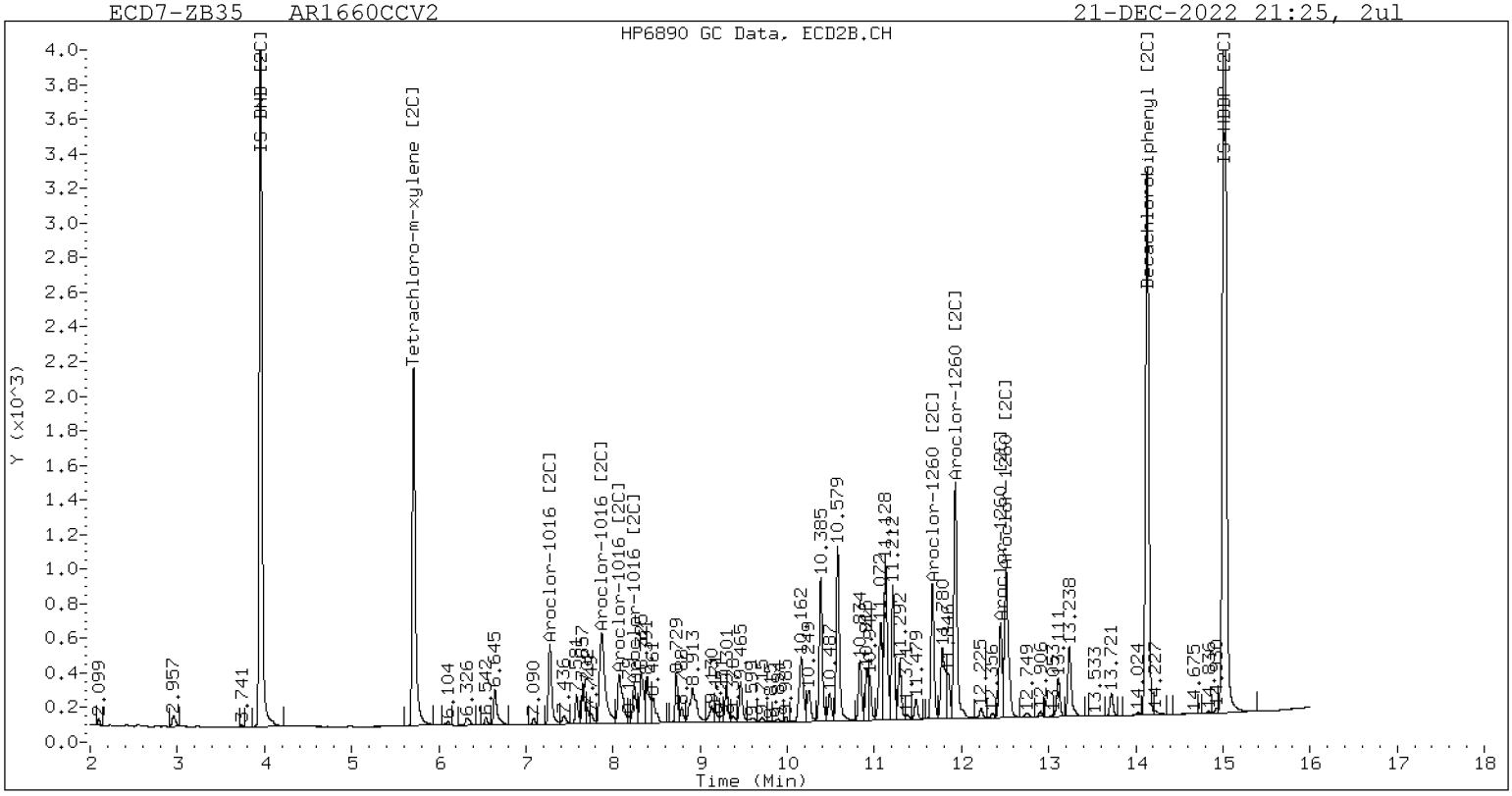
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 21-DEC-2022 21:25, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV2 21-DEC-2022 21:25, 2ul

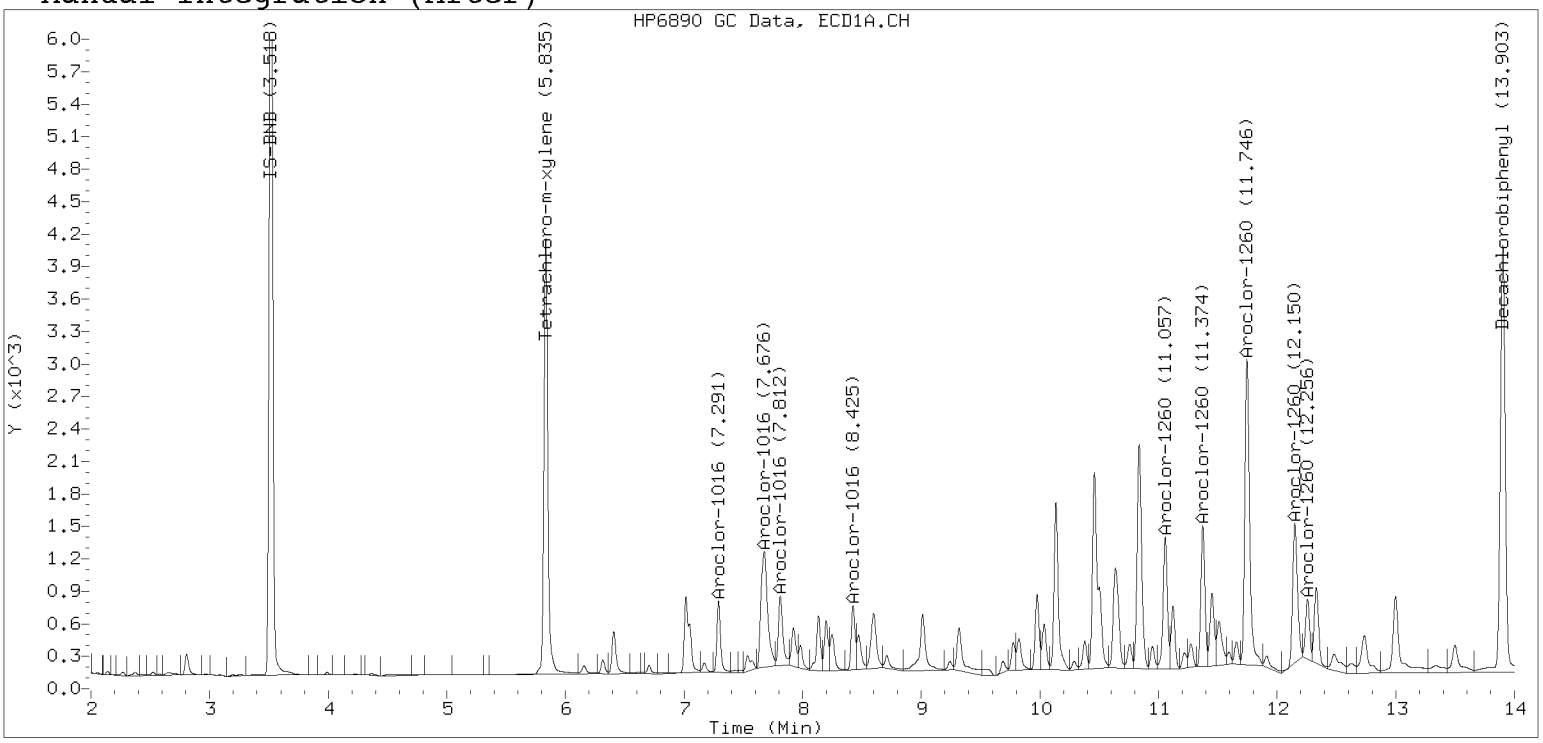


ZB-35 Manual Integration: NO

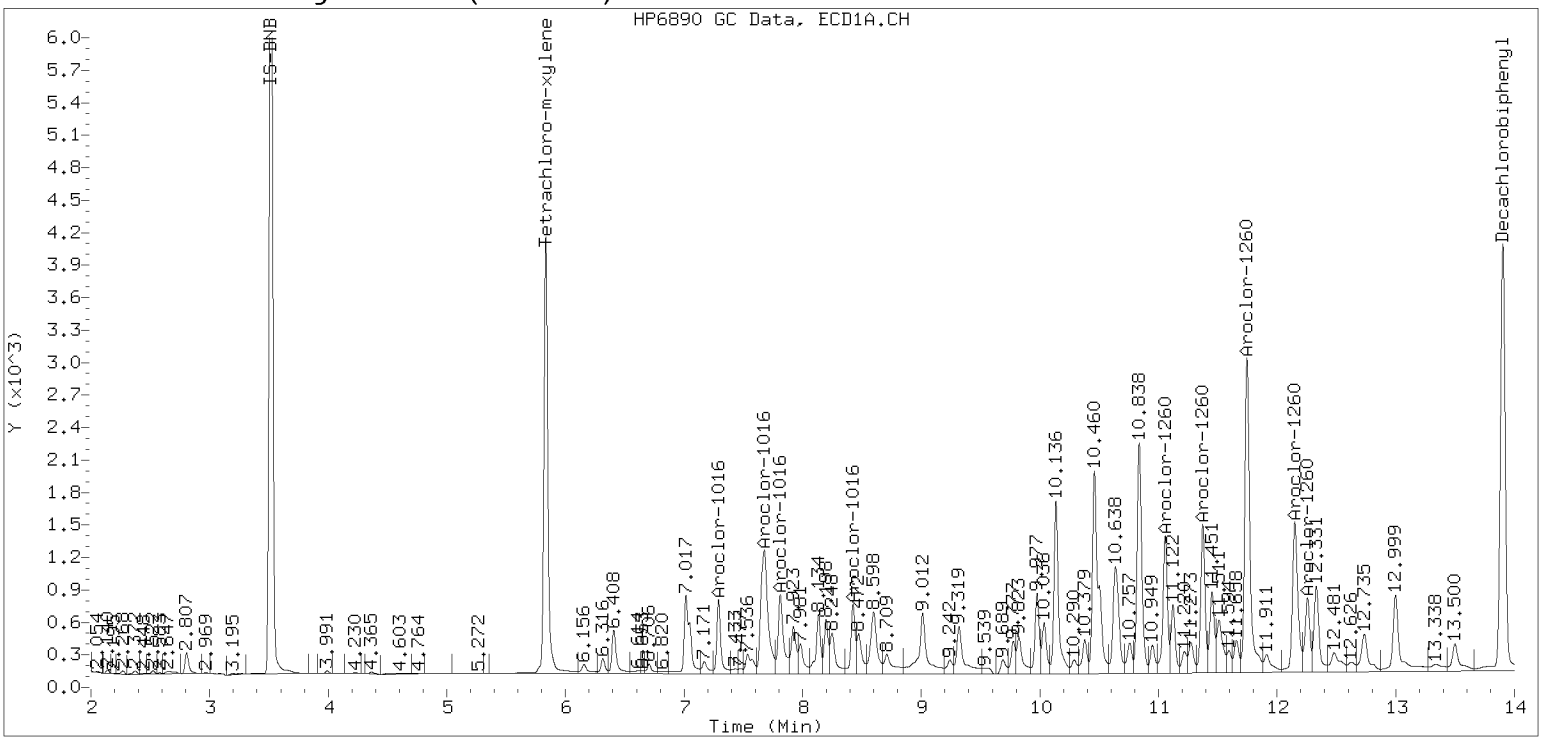
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212217ECD7.D Injection Date: 21-DEC-2022 21:25

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212235ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV3	Injection Time:	03:46
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	287	0.0396000	0.0448216		14.9	+/-20
Aroclor-1242 (1)	A	250.00	270		0.0244551			
Aroclor-1242 (2)	A	250.00	270		0.0779137			
Aroclor-1242 (3)	A	250.00	313		0.0259648			
Aroclor-1242 (4)	A	250.00	296		0.0509530			
Aroclor 1242 [2C]	A	250.00	254	0.0391981	0.0378240		1.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	258		0.0349346			
Aroclor-1242 (2) [2C]	A	250.00	210		0.0605284			
Aroclor-1242 (3) [2C]	A	250.00	279		0.0258784			
Aroclor-1242 (4) [2C]	A	250.00	269		0.0299547			
Decachlorobiphenyl	A	40.000	41.2	0.7333327	0.7554730		3.0	+/-20
Tetrachlorometaxylene	A	40.000	38.4	1.1336710	1.0876880		-4.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.1	1.1358180	1.1096170		-2.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.0	1.0966080	1.0417810		-5.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212235ECD7.D
Data file 2: /221221.b/221221.b/12212235ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV3
Client ID:
Injection Date: 22-DEC-2022 03:46
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.001	235393	5.711	0.000	130606	38.4	38.0	1.0	Tetrachloro-m-xylene
13.904	0.001	373164	14.132	0.001	236876	41.2	39.1	5.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	432832	-3.3
Hexabromobiphenyl	798898	987895	23.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	250736	0.7
Hexabromobiphenyl	362541	426951	17.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.291	-0.004	33078	269.6	1	7.274	0.000	27373	257.9
Aroclor-1242	2	7.676	-0.009	105386	270.5	2	7.872	0.000	47427	210.5
Aroclor-1242	3	8.424	-0.005	35120	313.4	3	9.172	0.000	20277	279.0
Aroclor-1242	4	9.022	-0.009	68919	296.1	4	9.595	0.000	23471	268.7
Total Col1Ave (4 peaks):					287.4	Total Col2Ave (4 peaks):				254.0 RPD = 12
Corrected Ave (3 peaks):					278.8	Corrected Ave (3 peaks):				245.7 RPD = 13
CalAmt %D:					15.0	CalAmt %D:				1.6

Total PCB Area Col1 (5.933 - 13.804) = 1007865 Col1 Total PCB = 0.2 ppm*

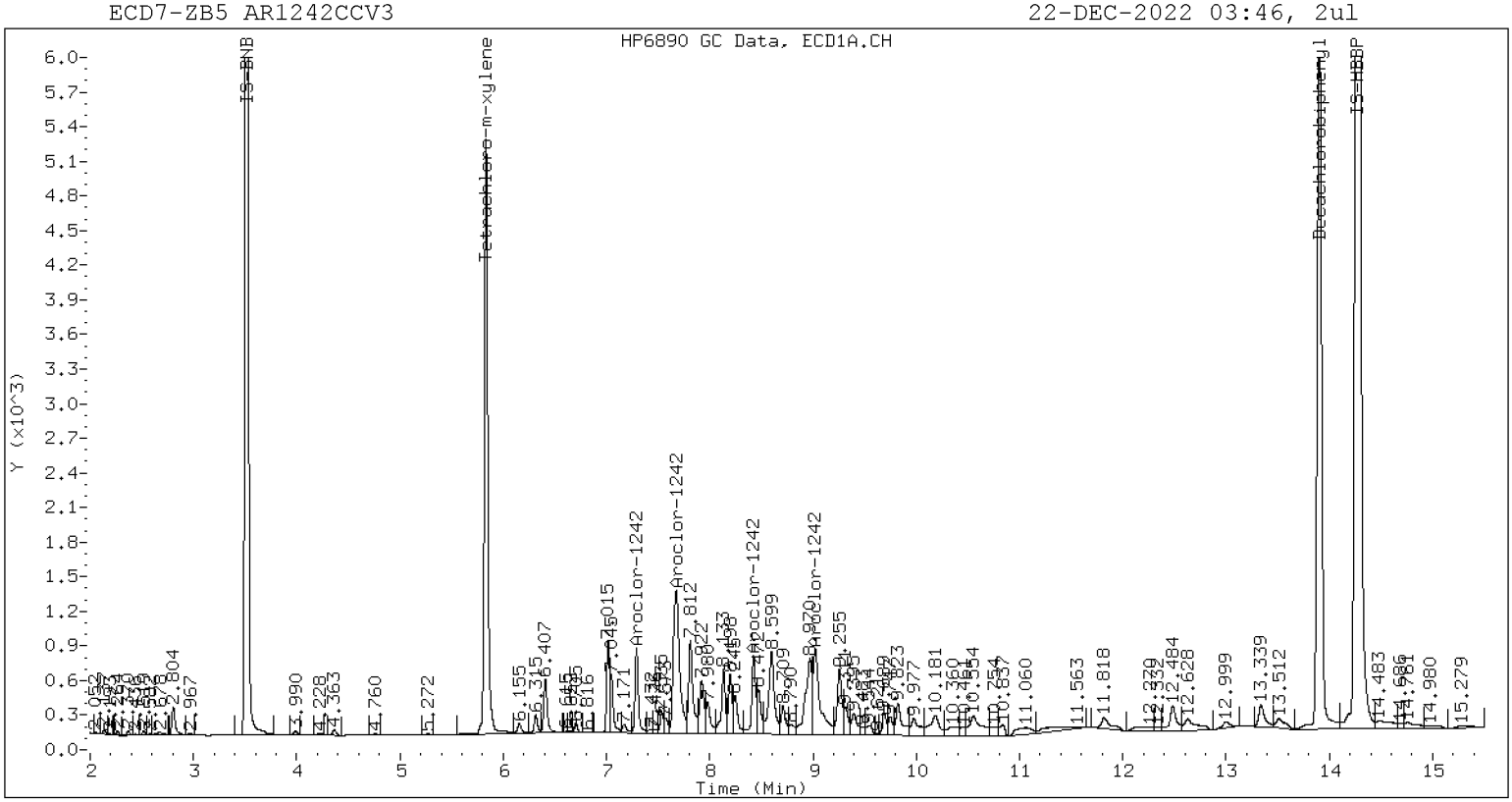
Total PCB Area Col2 (5.810 - 14.032) = 394819 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

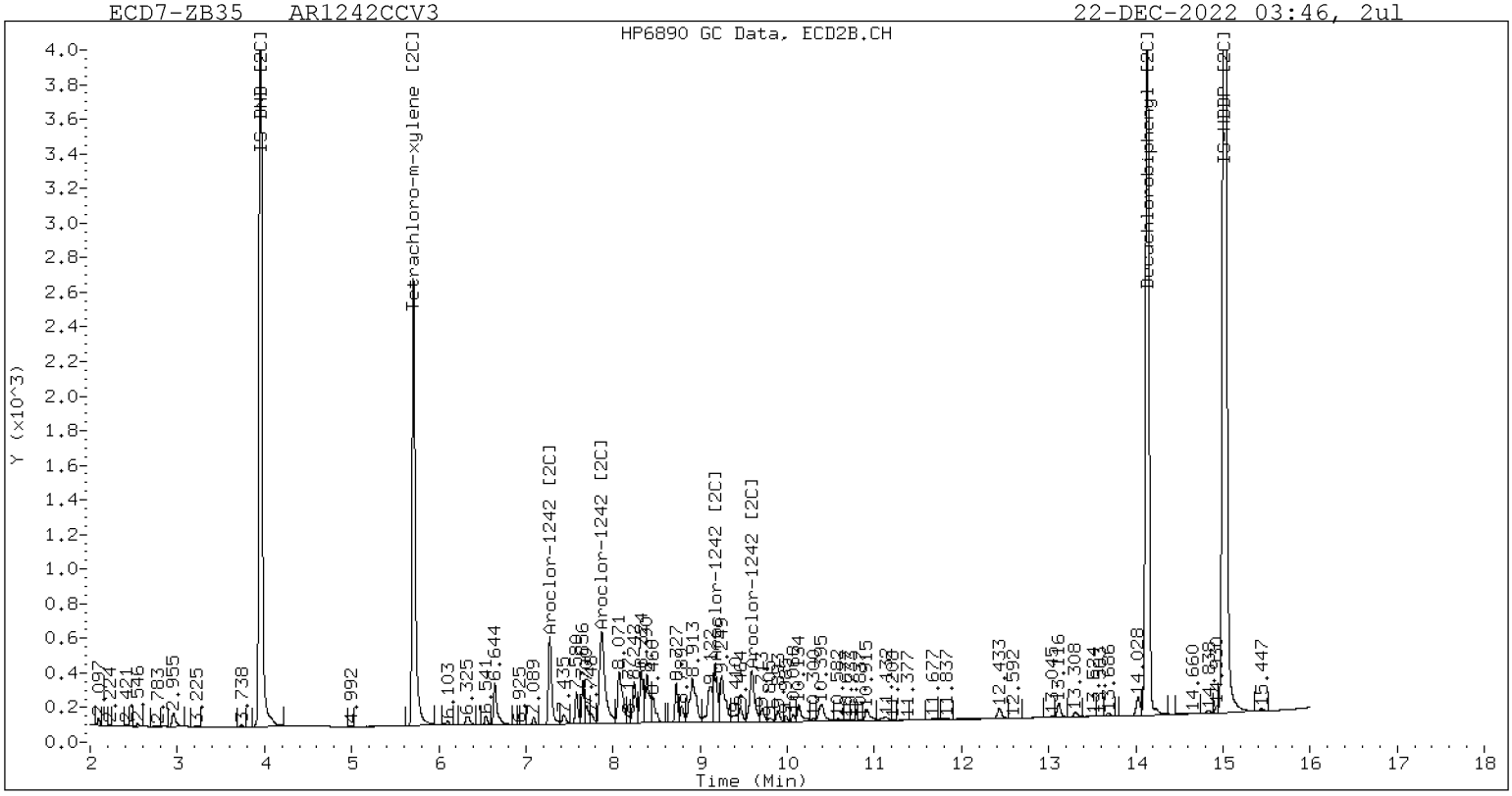
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 22-DEC-2022 03:46, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV3 22-DEC-2022 03:46, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212236ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV4	Injection Time:	04:07
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	256	0.0441939	0.0449308		2.3	+/-20
Aroclor-1016 (1)	A	250.00	247	0.0266860	0.0264164		-1.2	
Aroclor-1016 (2)	A	250.00	251	0.0861572	0.0865774		0.4	
Aroclor-1016 (3)	A	250.00	254	0.0390425	0.0397267		1.6	
Aroclor-1016 (4)	A	250.00	271	0.0248899	0.0270028		8.4	
Aroclor 1016 [2C]	A	250.00	239	0.0467310	0.0431858		-4.5	+/-20
Aroclor-1016 (1) [2C]	A	250.00	247	0.0409030	0.0403538		-1.2	
Aroclor-1016 (2) [2C]	A	250.00	216	0.0882154	0.0763422		-13.6	
Aroclor-1016 (3) [2C]	A	250.00	235	0.0378846	0.0355918		-6.0	
Aroclor-1016 (4) [2C]	A	250.00	257	0.0199212	0.0204553		2.8	
Aroclor 1260	A	250.00	258	0.0390342	0.0402074		3.2	+/-20
Aroclor-1260 (1)	A	250.00	252	0.0291201	0.0293768		0.8	
Aroclor-1260 (2)	A	250.00	250	0.0301181	0.0301736		0.0	
Aroclor-1260 (3)	A	250.00	259	0.0791351	0.0819461		3.6	
Aroclor-1260 (4)	A	250.00	258	0.0403003	0.0416553		3.2	
Aroclor-1260 (5)	A	250.00	271	0.0164974	0.0178854		8.4	
Aroclor 1260 [2C]	A	250.00	207	0.0617619	0.0481612		-17.1	+/-20
Aroclor-1260 (1) [2C]	A	250.00	223	0.0422283	0.0377253		-10.8	
Aroclor-1260 (2) [2C]	A	250.00	175	0.1059643	0.0740379		-30.0	
Aroclor-1260 (3) [2C]	A	250.00	241	0.0282173	0.0271805		-3.6	
Aroclor-1260 (4) [2C]	A	250.00	190	0.0706376	0.0537013		-24.0	
Decachlorobiphenyl	A	40.000	44.7	0.7333327	0.8193669		11.8	+/-20
Tetrachlorometaxylene	A	40.000	39.6	1.1336710	1.1235390		-1.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.0	1.1358180	1.1087010		-2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.6	1.0966080	1.0568710		-3.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212236ECD7.D
Data file 2: /221221.b/221221.b/12212236ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV4
Client ID:
Injection Date: 22-DEC-2022 04:07
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.001	197103	5.712	0.002	108733	39.6	38.6	2.8	Tetrachloro-m-xylene
13.903	-0.001	310606	14.133	0.002	198156	44.7	39.0	13.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	350861	-21.6
Hexabromobiphenyl	798898	758161	-5.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	205764	-17.4
Hexabromobiphenyl	362541	357456	-1.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.291	0.001	28964	247.5	1	7.275	0.000	25948	246.6
Aroclor-1016	2	7.676	-0.001	94927	251.2	2	7.872	0.000	49089	216.4
Aroclor-1016	3	7.812	0.001	43558	254.4	3	8.073	0.002	22886	234.9
Aroclor-1016	4	8.425	0.002	29607	271.2	4	8.243	0.001	13153	256.7
Total Col1Ave (4 peaks):					256.1	Total Col2Ave (4 peaks):				238.6 RPD = 7
Corrected Ave (3 peaks):					251.0	Corrected Ave (3 peaks):				232.6 RPD = 8
CalAmt %D:					2.4	CalAmt %D:				-4.5
Aroclor-1260	1	11.058	0.002	69601	252.2	1	11.667	0.001	42141	223.3
Aroclor-1260	2	11.374	-0.000	71489	250.5	2	11.928	0.001	82704	174.7
Aroclor-1260	3	11.747	-0.001	194151	258.9	3	12.447	0.001	30362	240.8
Aroclor-1260	4	12.152	0.003	98692	258.4	4	12.512	0.000	59987	190.1
Aroclor-1260	5	12.258	0.002	42375	271.0	NS	---			----
Total Col1Ave (5 peaks):					258.2	Total Col2Ave (4 peaks):				207.2 RPD = 22
Corrected Ave (4 peaks):					255.0	Corrected Ave (3 peaks):				196.0 RPD = 26
CalAmt %D:					3.3	CalAmt %D:				-17.1

Total PCB Area Col1 (5.933 - 13.804) = 1882300 Col1 Total PCB = 0.6 ppm*

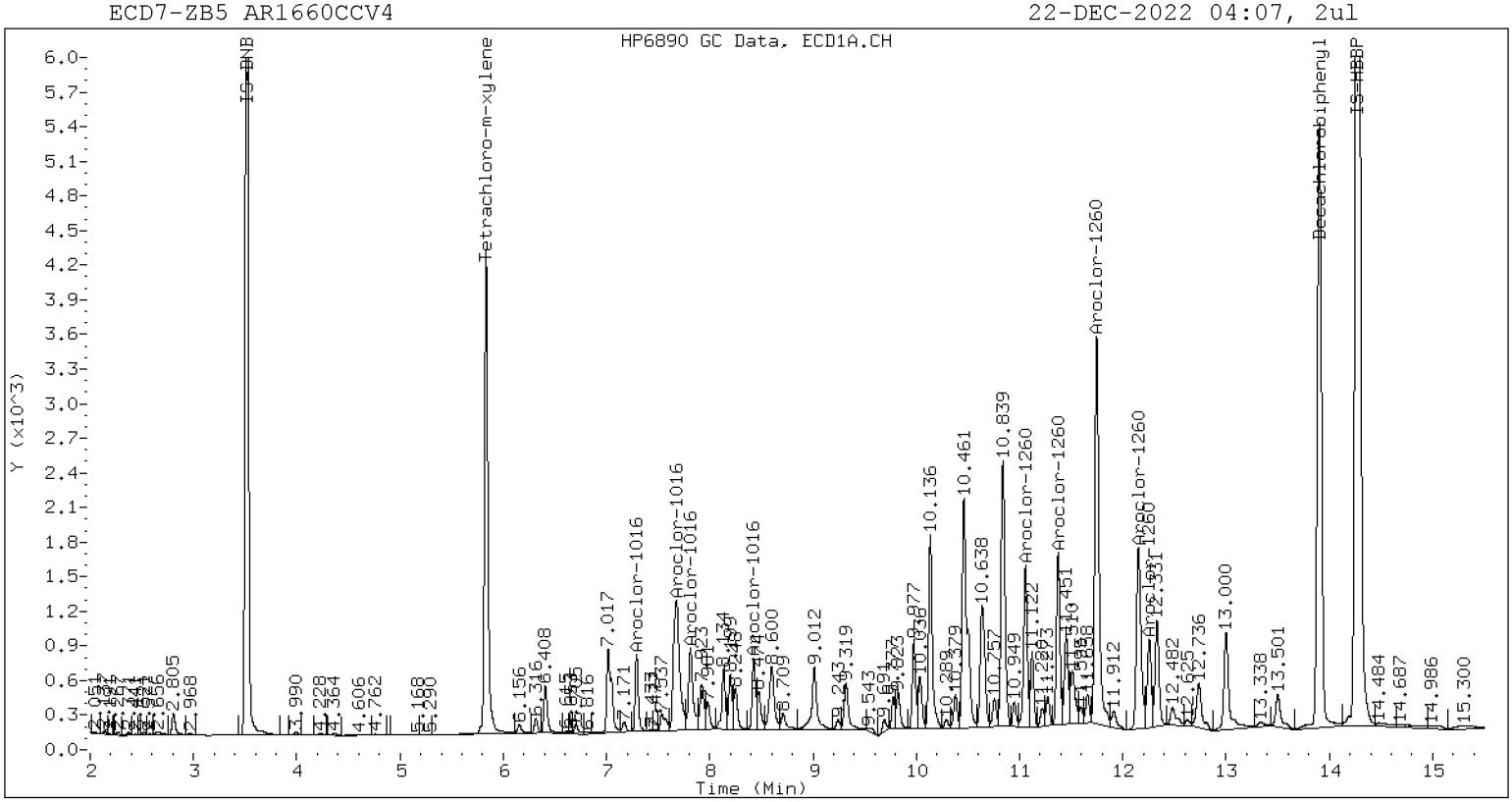
Total PCB Area Col2 (5.810 - 14.032) = 951309 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

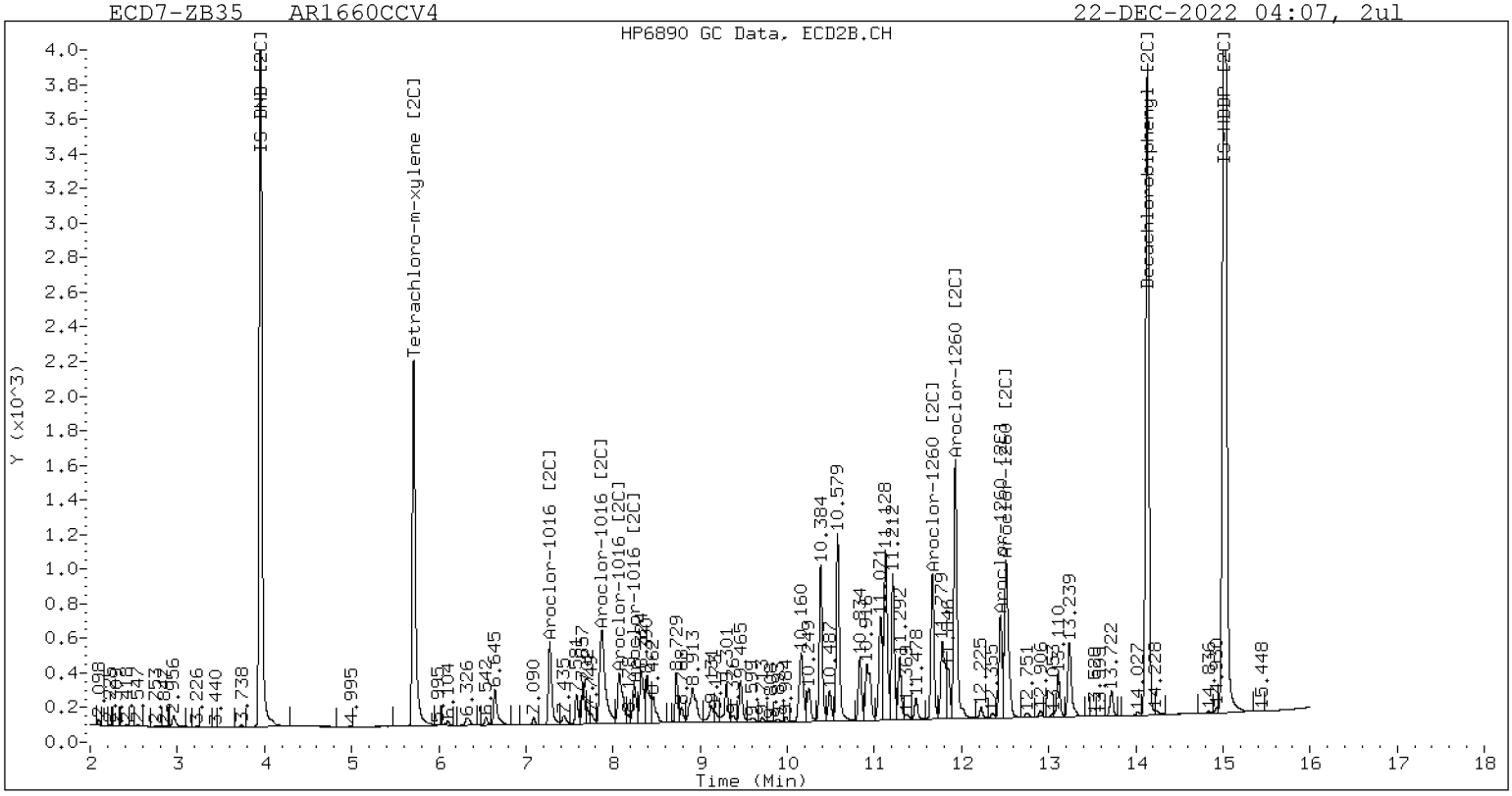
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 22-DEC-2022 04:07, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV4 22-DEC-2022 04:07, 2ul

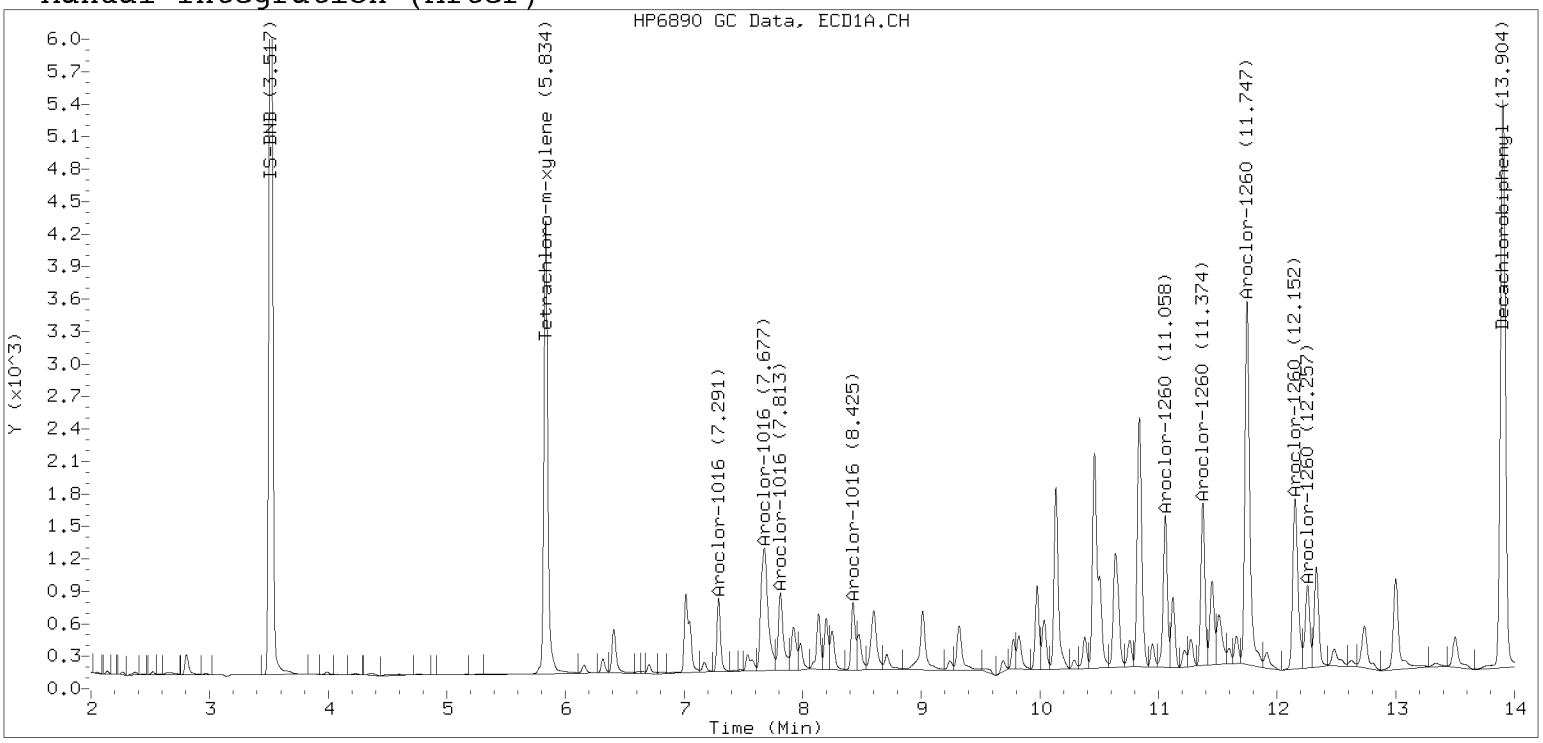


ZB-35 Manual Integration: NO

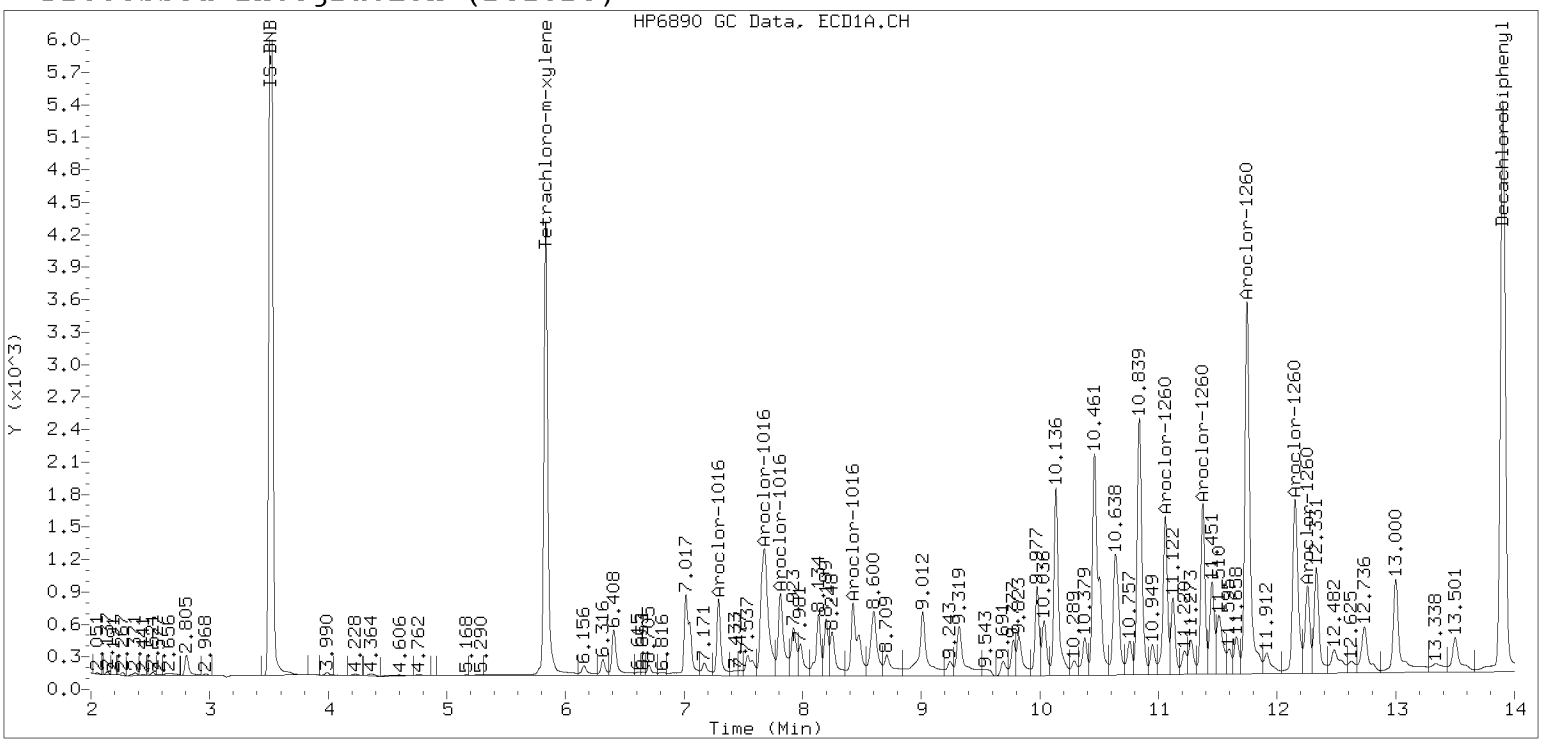
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212236ECD7.D Injection Date: 22-DEC-2022 04:07

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212253ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV5	Injection Time:	10:07
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	248	0.0576965	0.0571355		-0.6	+/-20
Aroclor-1254 (1)	A	250.00	239		0.0673227			
Aroclor-1254 (2)	A	250.00	276		0.0302453			
Aroclor-1254 (3)	A	250.00	208		0.0370944			
Aroclor-1254 (4)	A	250.00	251		0.0872285			
Aroclor-1254 (5)	A	250.00	268		0.0637869			
Aroclor 1254 [2C]	A	250.00	225	0.0638047	0.0590118		-9.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	240		0.0494738			
Aroclor-1254 (2) [2C]	A	250.00	151		0.0250439			
Aroclor-1254 (3) [2C]	A	250.00	227		0.0808838			
Aroclor-1254 (4) [2C]	A	250.00	256		0.0947067			
Aroclor-1254 (5) [2C]	A	250.00	252		0.0449507			
Decachlorobiphenyl	A	40.000	43.1	0.7333327	0.7905188		7.8	+/-20
Tetrachlorometaxylene	A	40.000	37.2	1.1336710	1.0546530		-7.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.8	1.1358180	1.1295080		-0.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.8	1.0966080	1.0079380		-8.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212253ECD7.D
Data file 2: /221221.b/221221.b/12212253ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCV5
Client ID:
Injection Date: 22-DEC-2022 10:07
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	0.002	227603	5.712	0.001	130284	37.2	36.8	1.2	Tetrachloro-m-xylene
13.904	0.000	231307	14.133	0.001	189554	43.1	39.8	8.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	431617	-3.6
Hexabromobiphenyl	798898	585203	-26.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	258516	3.8
Hexabromobiphenyl	362541	335640	-7.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.315	0.000	90805	238.9	1	9.463	0.000	39968	239.8
Aroclor-1254	2	9.394	0.000	40795	276.0	2	9.981	0.000	20232	151.0
Aroclor-1254	3	9.686	0.000	50033	208.4	3	10.132	0.000	65343	226.9
Aroclor-1254	4	9.821	0.000	117654	251.5	4	10.380	0.000	76510	256.5
Aroclor-1254	5	10.176	0.000	86036	268.3	5	10.579	0.000	36314	252.4
Total Col1Ave (5 peaks):					248.6	Total Col2Ave (5 peaks):				225.3 RPD = 10
Corrected Ave (4 peaks):					241.8	Corrected Ave (4 peaks):				217.5 RPD = 11
CalAmt %D:					-0.5	CalAmt %D:				-9.9

Total PCB Area Col1 (5.933 - 13.804) = 1242015 Col1 Total PCB = 0.3 ppm*

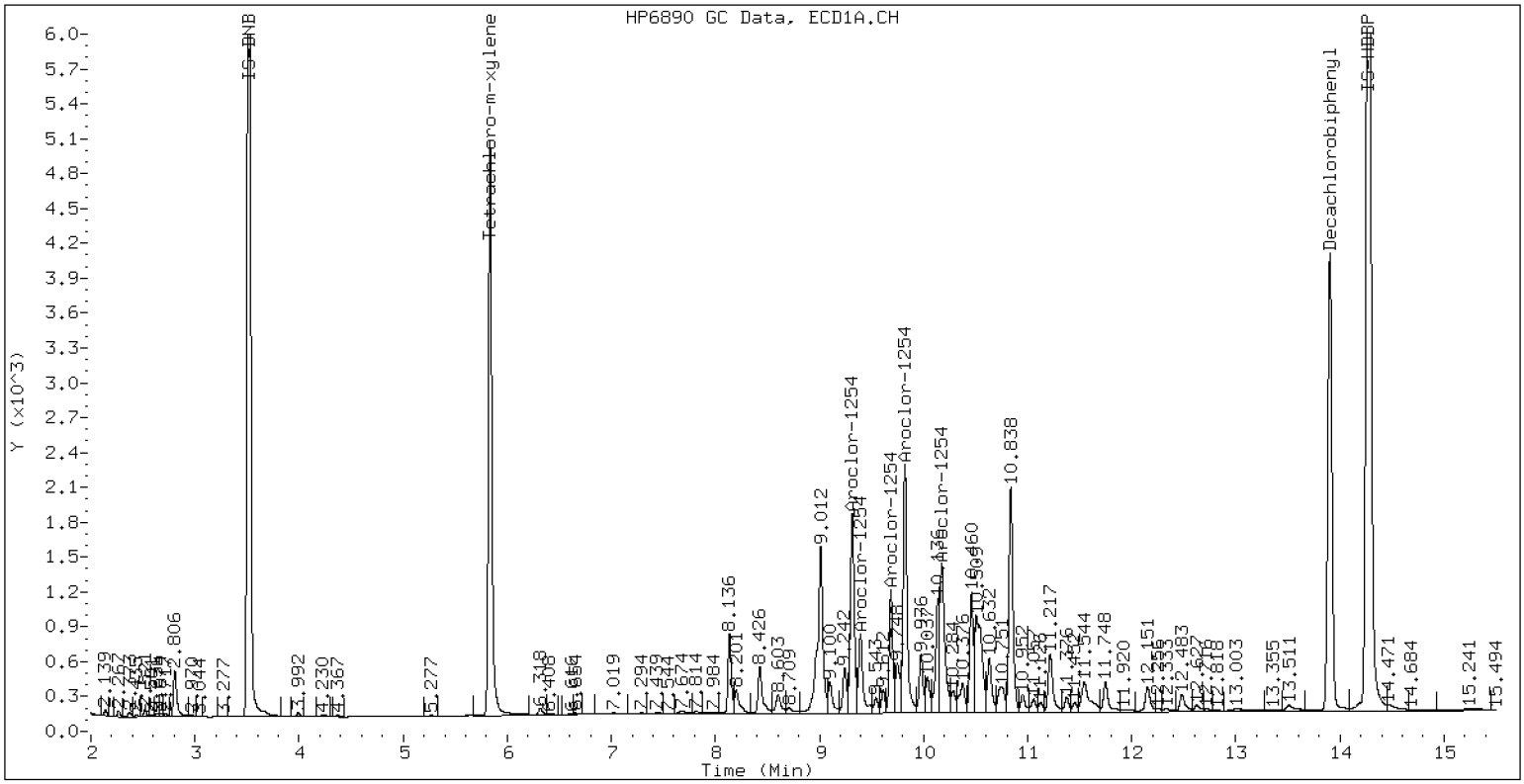
Total PCB Area Col2 (5.810 - 14.032) = 674204 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

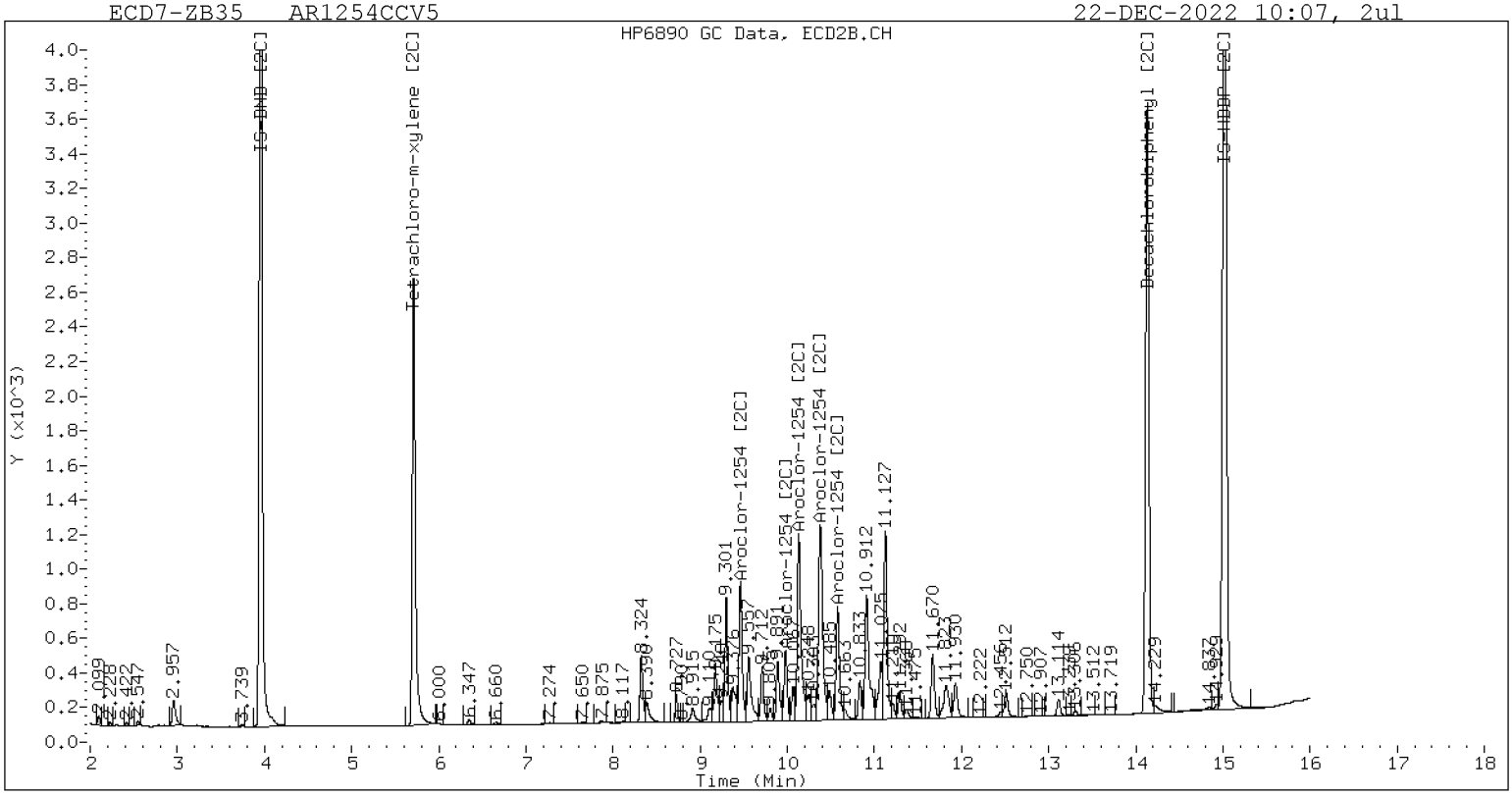
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 22-DEC-2022 10:07, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1254CCV5 22-DEC-2022 10:07, 2ul

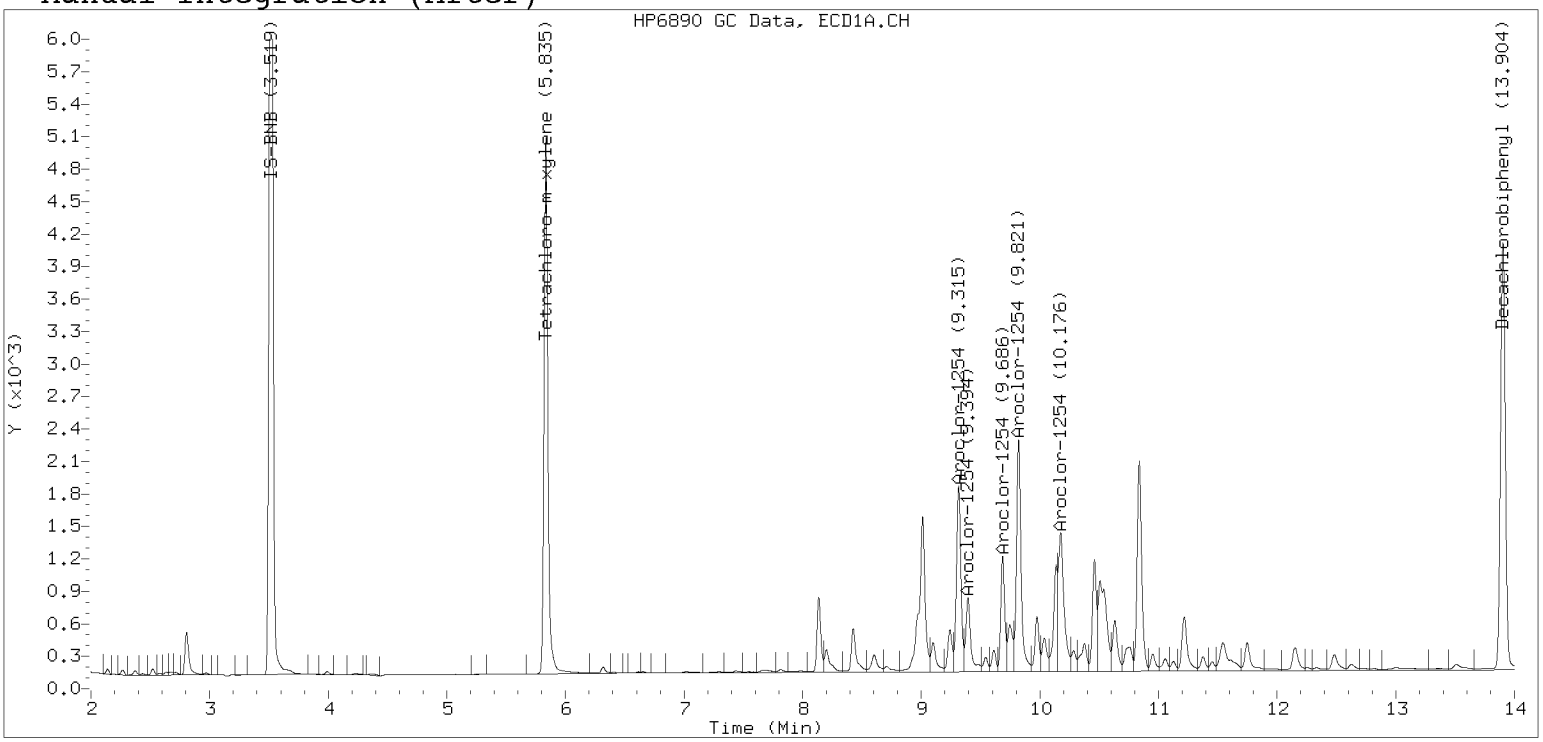


ZB-35 Manual Integration: NO

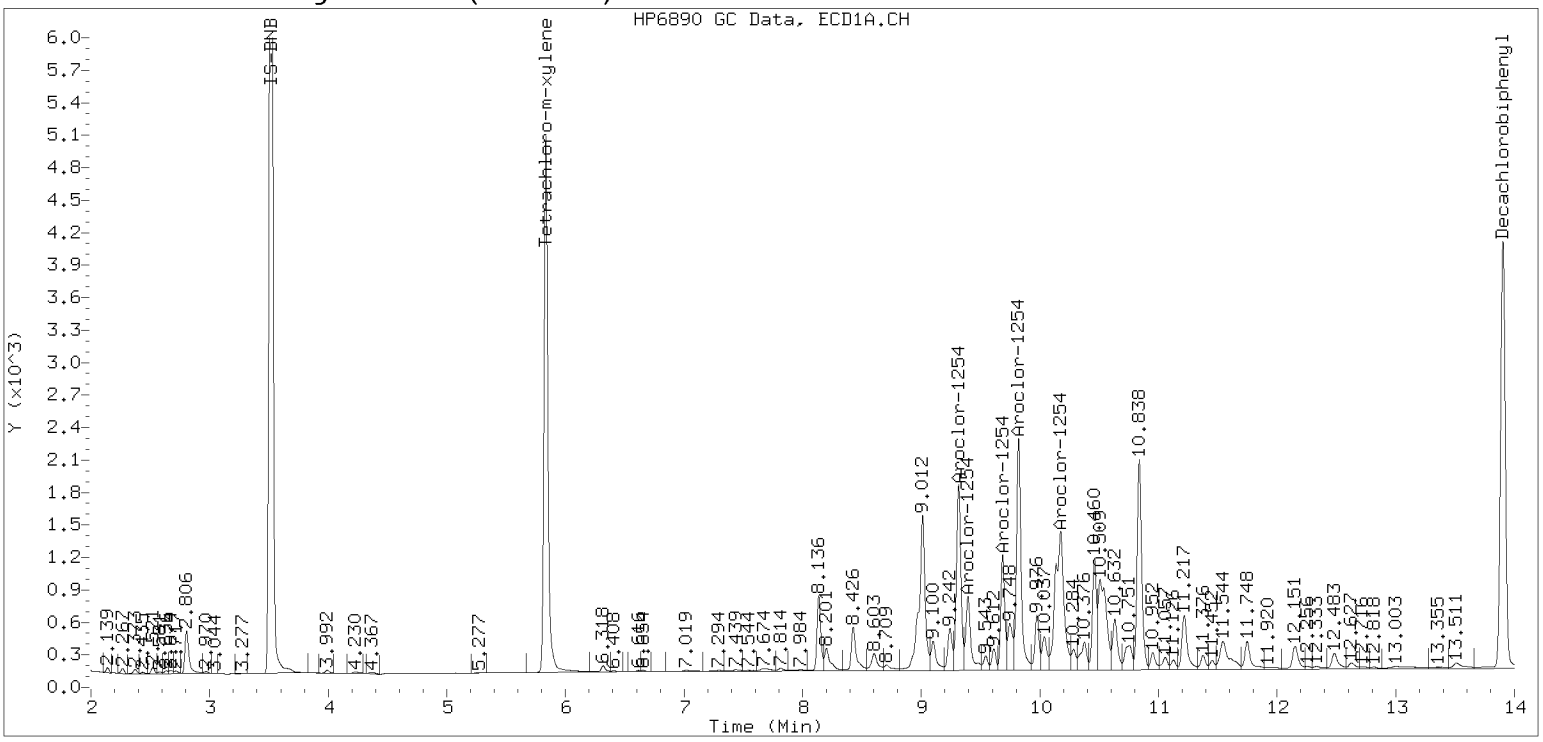
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212253ECD7.D Injection Date: 22-DEC-2022 10:07

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212254ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV6	Injection Time:	10:28
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	263	0.0441939	0.0463837		5.1	+/-20	
Aroclor-1016 (1)	A	250.00	257	0.0266860	0.0274553		2.8		
Aroclor-1016 (2)	A	250.00	263	0.0861572	0.0907785		5.2		
Aroclor-1016 (3)	A	250.00	255	0.0390425	0.0398438		2.0		
Aroclor-1016 (4)	A	250.00	276	0.0248899	0.0274571		10.4		
Aroclor 1016 [2C]	A	250.00	248	0.0467310	0.0445778		-1.0	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	257	0.0409030	0.0419857		2.8		
Aroclor-1016 (2) [2C]	A	250.00	222	0.0882154	0.0781950		-11.2		
Aroclor-1016 (3) [2C]	A	250.00	242	0.0378846	0.0367062		-3.2		
Aroclor-1016 (4) [2C]	A	250.00	269	0.0199212	0.0214243		7.6		
Aroclor 1260	A	250.00	303	0.0390342	0.0469367		21.4	+/-20	*
Aroclor-1260 (1)	A	250.00	298	0.0291201	0.0347157		19.2		
Aroclor-1260 (2)	A	250.00	299	0.0301181	0.0360569		19.6		
Aroclor-1260 (3)	A	250.00	294	0.0791351	0.0931201		17.6		
Aroclor-1260 (4)	A	250.00	310	0.0403003	0.0499028		24.0		
Aroclor-1260 (5)	A	250.00	316	0.0164974	0.0208879		26.4		
Aroclor 1260 [2C]	A	250.00	232	0.0617619	0.0540998		-7.3	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	250	0.0422283	0.0422613		0.0		
Aroclor-1260 (2) [2C]	A	250.00	198	0.1059643	0.0840017		-20.8		
Aroclor-1260 (3) [2C]	A	250.00	266	0.0282173	0.0300507		6.4		
Aroclor-1260 (4) [2C]	A	250.00	213	0.0706376	0.0600854		-14.8		
Decachlorobiphenyl	A	40.000	45.2	0.7333327	0.8283334		13.0	+/-20	
Tetrachlorometaxylene	A	40.000	41.5	1.1336710	1.1768300		3.8	+/-20	
Decachlorobiphenyl [2C]	A	40.000	40.2	1.1358180	1.1404550		0.5	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1082800		1.0	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212254ECD7.D
Data file 2: /221221.b/221221.b/12212254ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV6
Client ID:
Injection Date: 22-DEC-2022 10:28
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	0.001	207055	5.712	0.002	116314	41.5	40.4	2.7	Tetrachloro-m-xylene
13.903	-0.001	248336	14.132	0.000	181837	45.2	40.2	11.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	351886	-21.4
Hexabromobiphenyl	798898	599604	-24.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	209900	-15.7
Hexabromobiphenyl	362541	318885	-12.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.292	0.002	30191	257.2	1	7.275	0.001	27540	256.6
Aroclor-1016	2	7.675	-0.002	99824	263.4	2	7.873	0.001	51291	221.6
Aroclor-1016	3	7.811	0.000	43814	255.1	3	8.071	0.001	24077	242.2
Aroclor-1016	4	8.423	0.000	30193	275.8	4	8.242	-0.000	14053	268.9
Total Col1Ave (4 peaks):					262.9	Total Col2Ave (4 peaks):				247.3 RPD = 6
Corrected Ave (3 peaks):					258.6	Corrected Ave (3 peaks):				240.1 RPD = 7
CalAmt %D:					5.2	CalAmt %D:				-1.1
Aroclor-1260	1	11.059	0.003	65049	298.0	1	11.666	0.001	42114	250.2
Aroclor-1260	2	11.373	-0.001	67562	299.3	2	11.929	0.002	83709	198.2
Aroclor-1260	3	11.746	-0.002	174485	294.2	3	12.447	0.000	29946	266.2
Aroclor-1260	4	12.150	0.001	93506	309.6	4	12.512	0.001	59876	212.7
Aroclor-1260	5	12.256	0.000	39139	316.5	NS	---			----
Total Col1Ave (5 peaks):					303.5	Total Col2Ave (4 peaks):				231.8 RPD = 27
Corrected Ave (4 peaks):					300.3	Corrected Ave (3 peaks):				220.3 RPD = 31
CalAmt %D:					21.4	CalAmt %D:				-7.3

Total PCB Area Col1 (5.933 - 13.804) = 1810241 Col1 Total PCB = 0.5 ppm*

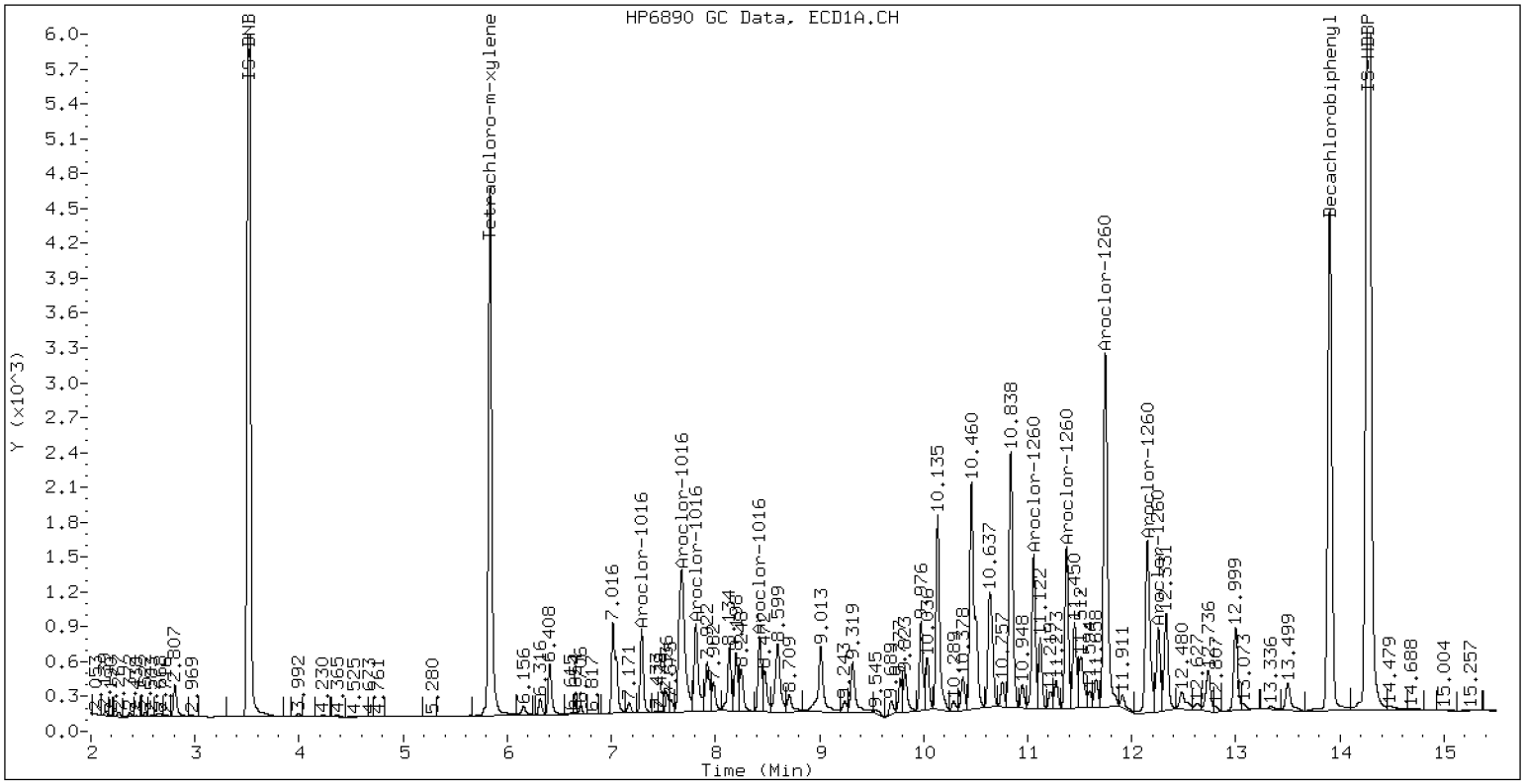
Total PCB Area Col2 (5.810 - 14.032) = 966183 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

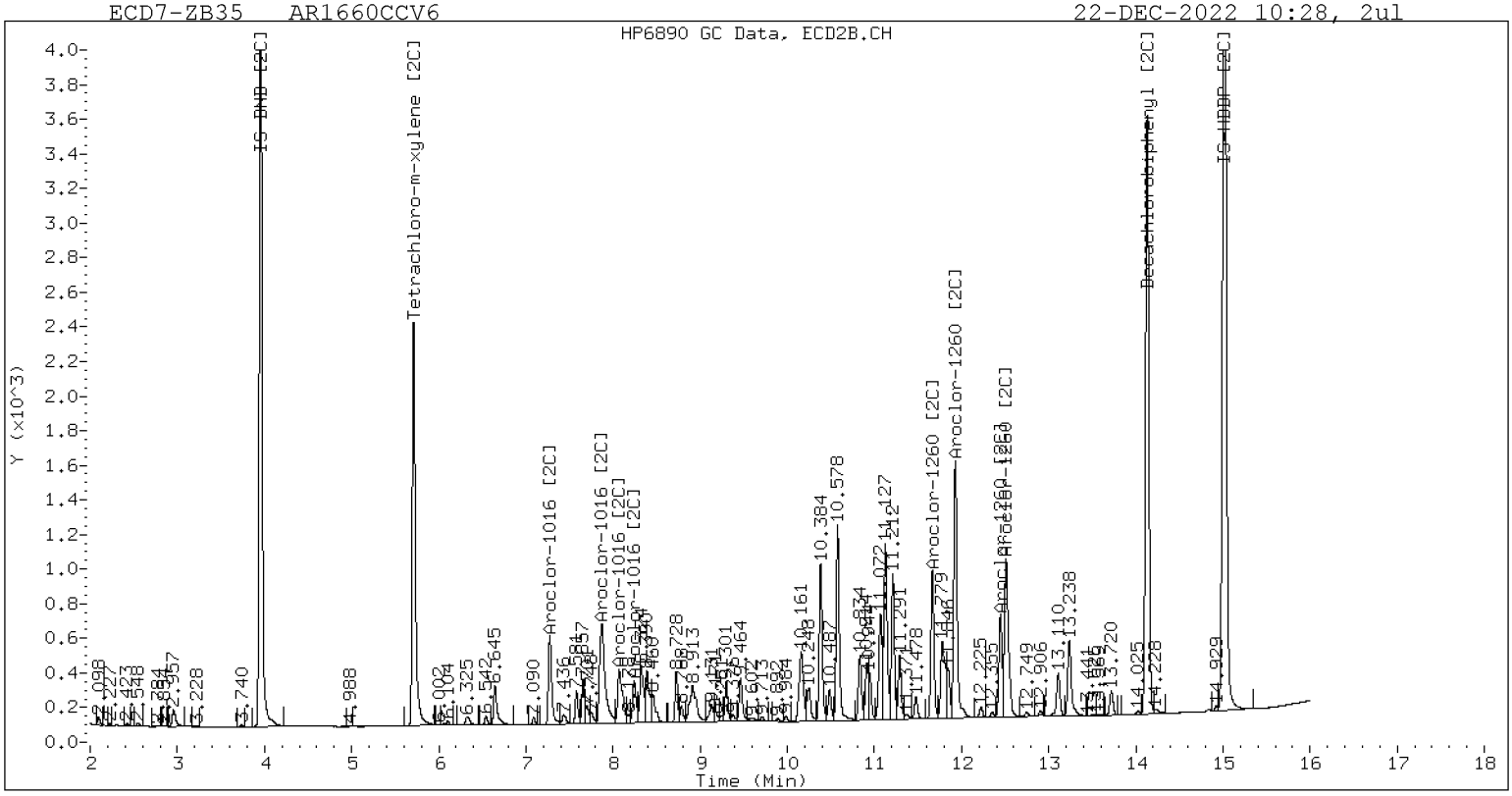
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 22-DEC-2022 10:28, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV6 22-DEC-2022 10:28, 2ul

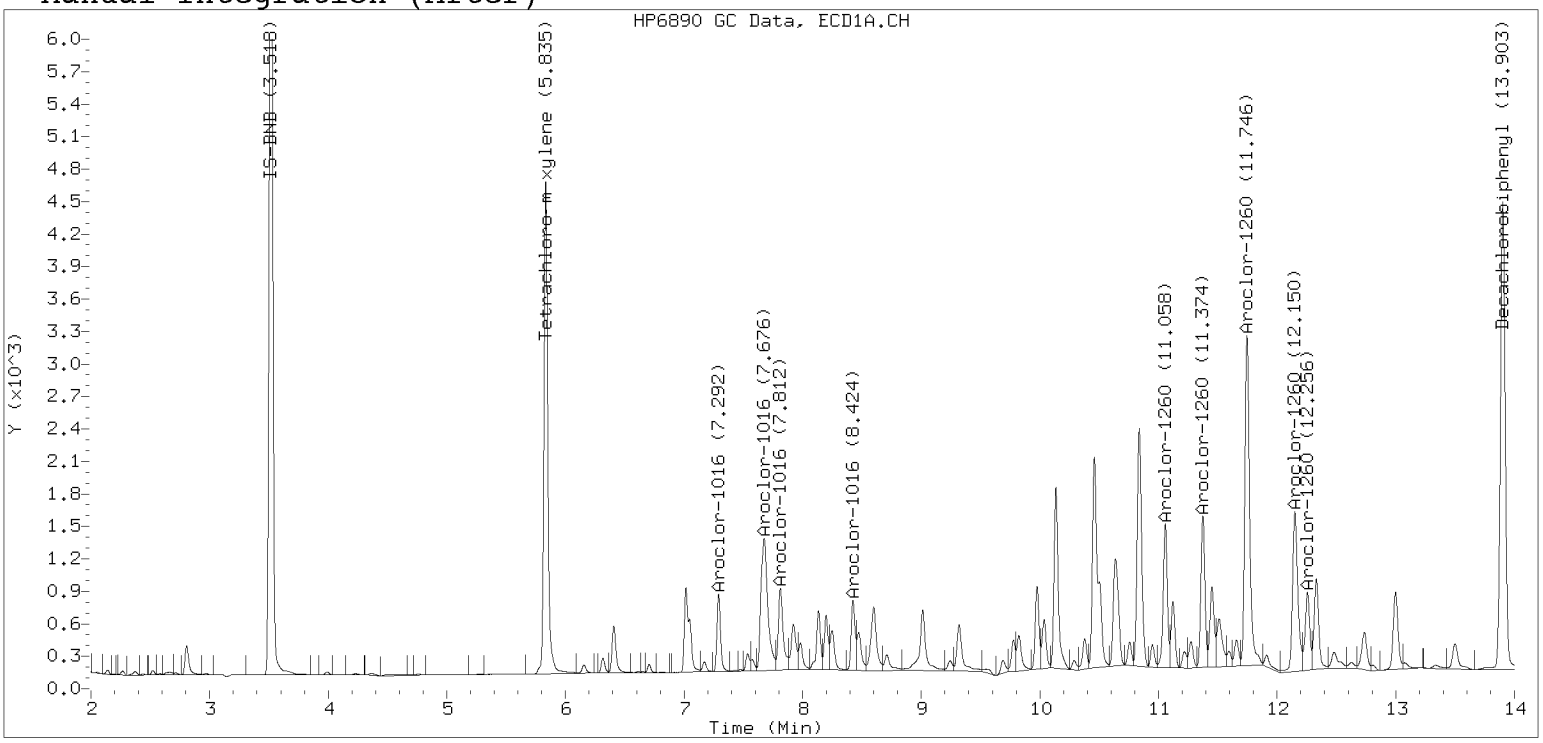


ZB-35 Manual Integration: NO

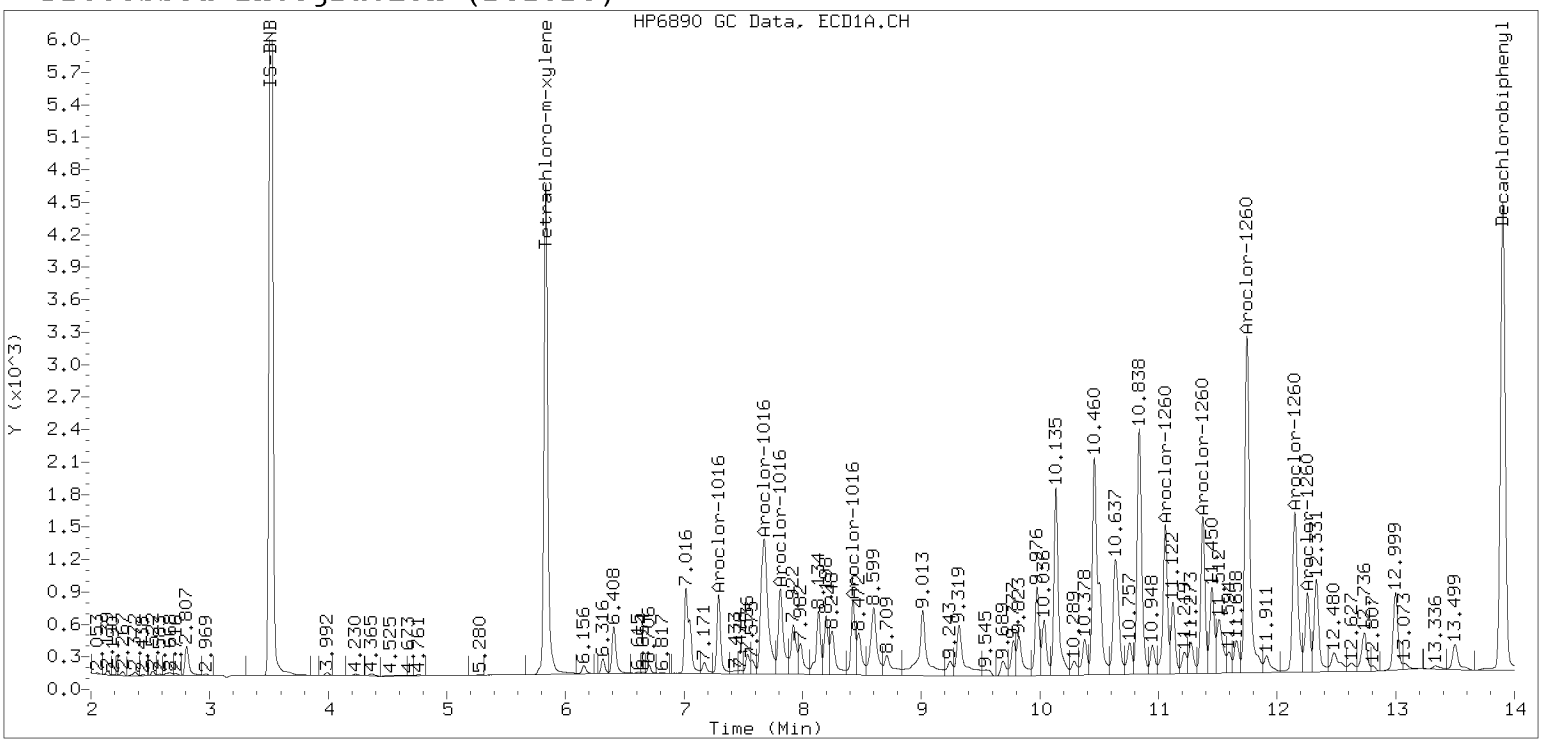
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212254ECD7.D Injection Date: 22-DEC-2022 10:28

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212265ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV7	Injection Time:	14:21
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	225	0.0490062	0.0432788		-10.1	+/-20
Aroclor-1248 (1)	A	250.00	267		0.0367605			
Aroclor-1248 (2)	A	250.00	276		0.0484899			
Aroclor-1248 (3)	A	250.00	202		0.0640057			
Aroclor-1248 (4)	A	250.00	154		0.0238590			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0382778		-4.0	+/-20
Aroclor-1248 (1) [2C]	A	250.00	254		0.0331537			
Aroclor-1248 (2) [2C]	A	250.00	186		0.0255347			
Aroclor-1248 (3) [2C]	A	250.00	264		0.0442148			
Aroclor-1248 (4) [2C]	A	250.00	256		0.0502079			
Decachlorobiphenyl	A	40.000	41.9	0.7333327	0.7687647		4.8	+/-20
Tetrachlorometaxylene	A	40.000	36.7	1.1336710	1.0393820		-8.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1168530		-1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.2	1.0966080	1.0200550		-7.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212265ECD7.D
Data file 2: /221221.b/221221.b/12212265ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV7
Client ID:
Injection Date: 22-DEC-2022 14:21
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	0.000	229005	5.710	0.000	133004	36.7	37.2	1.4	Tetrachloro-m-xylene
13.903	-0.001	239406	14.133	0.001	195040	41.9	39.3	6.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	440656	-1.6
Hexabromobiphenyl	798898	622833	-22.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	260778	4.7
Hexabromobiphenyl	362541	349267	-3.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.424	-0.003	50621	267.2	1	8.324	0.000	27018	253.6
Aroclor-1248	2	8.597	-0.007	66773	276.0	2	8.727	0.000	20809	185.7
Aroclor-1248	3	9.017	-0.005	88139	202.5	3	9.171	0.000	36032	264.4
Aroclor-1248	4	9.311	-0.000	32855	154.1	4	9.592	0.000	40916	255.7
Total Col1Ave (4 peaks):					225.0	Total Col2Ave (4 peaks):				239.9 RPD = 6
Corrected Ave (3 peaks):					207.9	Corrected Ave (3 peaks):				231.7 RPD = 11
CalAmt %D:					-10.0	CalAmt %D:				-4.1

Total PCB Area Col1 (5.933 - 13.804) = 1040511 Col1 Total PCB = 0.2 ppm*

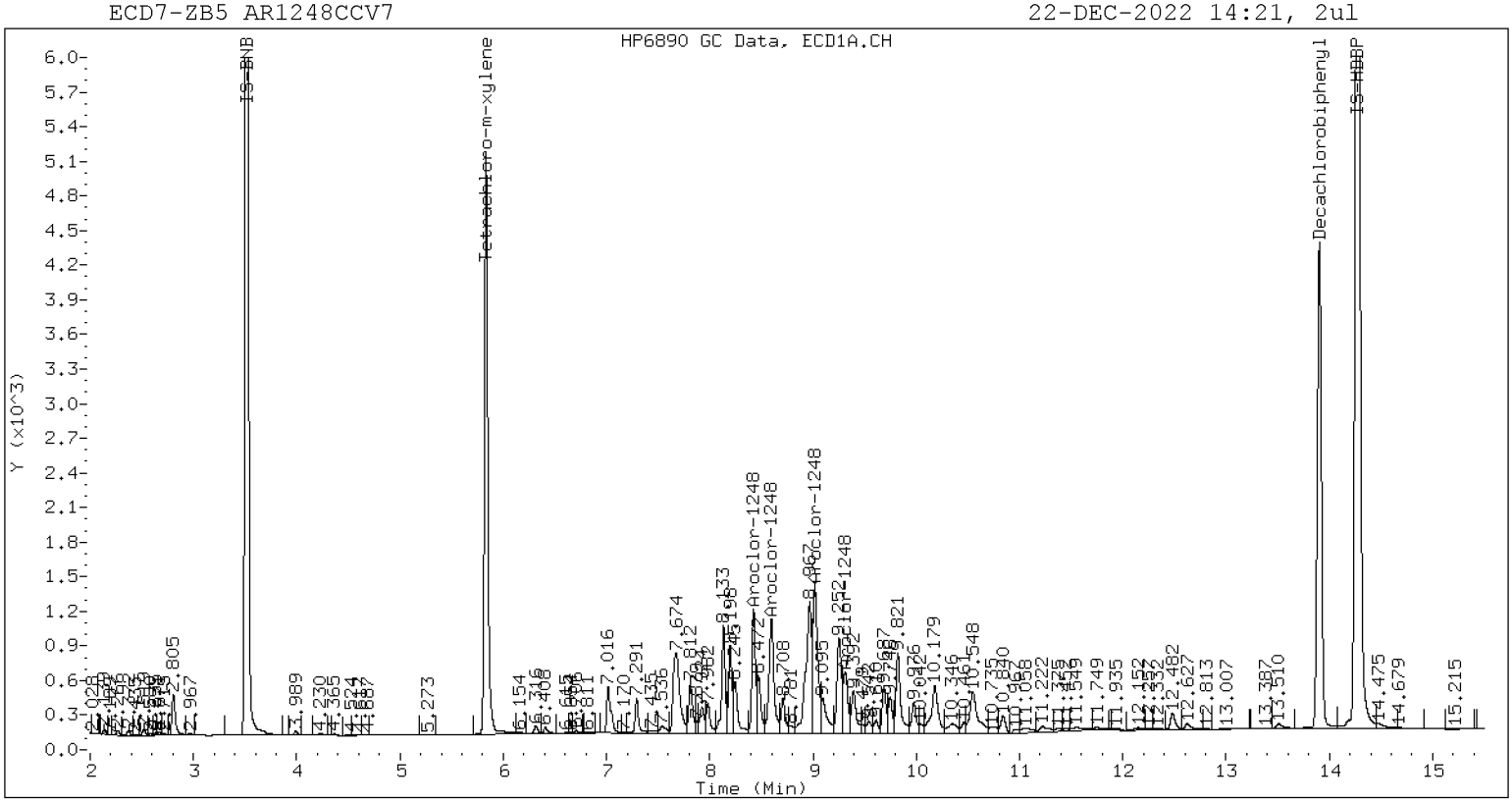
Total PCB Area Col2 (5.810 - 14.032) = 505511 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

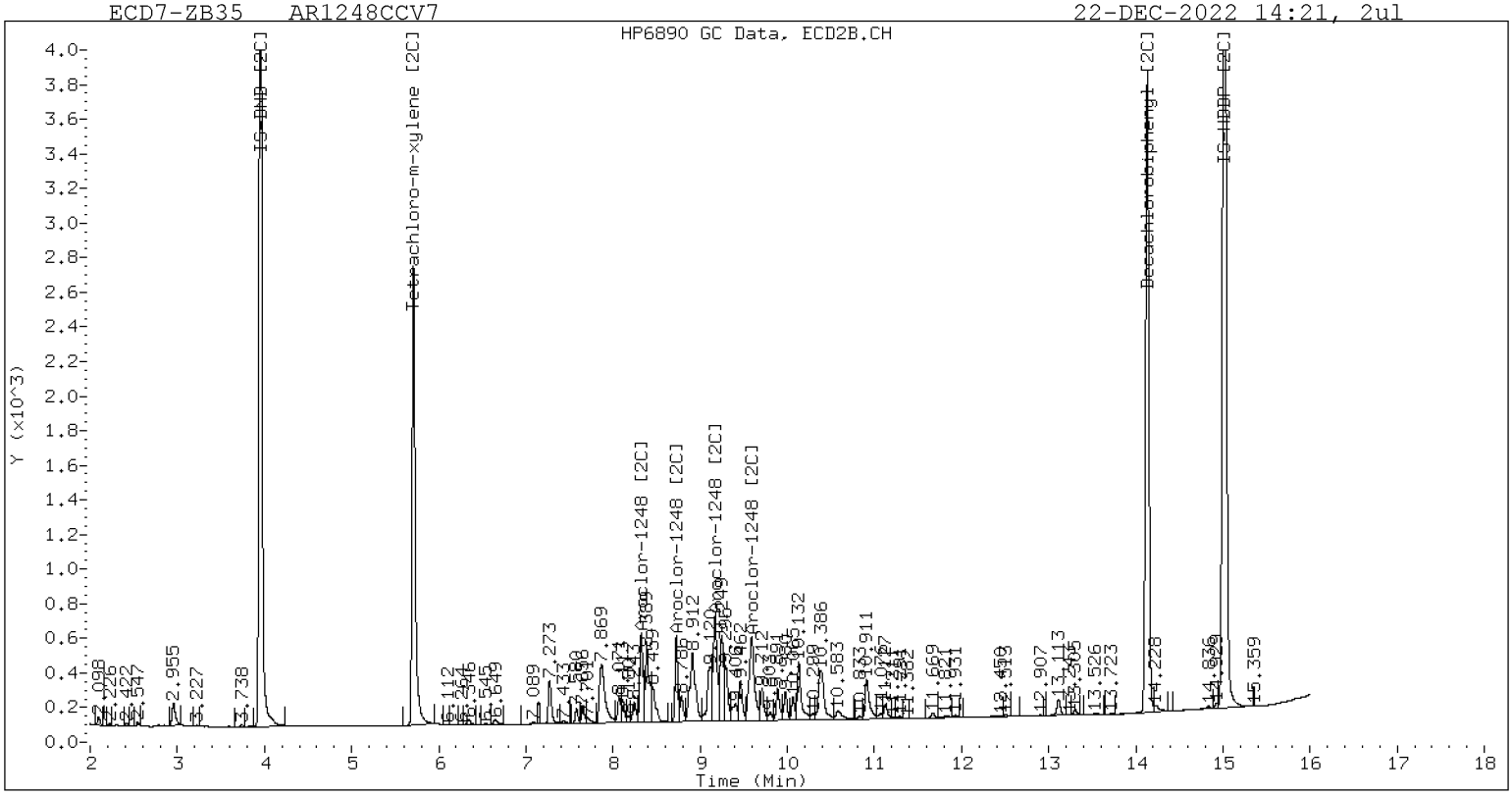
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 22-DEC-2022 14:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 22-DEC-2022 14:21, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12212266ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0319	Injection Date:	12/22/22
Lab Sample ID:	SKL0319-CCV8	Injection Time:	14:42
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	262	0.0441939	0.0461655		4.9	+/-20
Aroclor-1016 (1)	A	250.00	255	0.0266860	0.0271873		2.0	
Aroclor-1016 (2)	A	250.00	261	0.0861572	0.0900693		4.4	
Aroclor-1016 (3)	A	250.00	252	0.0390425	0.0394368		0.8	
Aroclor-1016 (4)	A	250.00	281	0.0248899	0.0279686		12.4	
Aroclor 1016 [2C]	A	250.00	249	0.0467310	0.0447392		-0.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0423603		3.6	
Aroclor-1016 (2) [2C]	A	250.00	222	0.0882154	0.0781629		-11.2	
Aroclor-1016 (3) [2C]	A	250.00	243	0.0378846	0.0368945		-2.8	
Aroclor-1016 (4) [2C]	A	250.00	270	0.0199212	0.0215391		8.0	
Aroclor 1260	A	250.00	295	0.0390342	0.0460297		18.2	+/-20
Aroclor-1260 (1)	A	250.00	294	0.0291201	0.0342253		17.6	
Aroclor-1260 (2)	A	250.00	299	0.0301181	0.0359987		19.6	
Aroclor-1260 (3)	A	250.00	296	0.0791351	0.0935670		18.4	
Aroclor-1260 (4)	A	250.00	290	0.0403003	0.0467165		16.0	
Aroclor-1260 (5)	A	250.00	298	0.0164974	0.0196411		19.2	
Aroclor 1260 [2C]	A	250.00	232	0.0617619	0.0535505		-7.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	254	0.0422283	0.0429192		1.6	
Aroclor-1260 (2) [2C]	A	250.00	191	0.1059643	0.0808251		-23.6	
Aroclor-1260 (3) [2C]	A	250.00	270	0.0282173	0.0304217		8.0	
Aroclor-1260 (4) [2C]	A	250.00	212	0.0706376	0.0600361		-15.2	
Decachlorobiphenyl	A	40.000	45.6	0.7333327	0.8360702		14.0	+/-20
Tetrachlorometaxylene	A	40.000	41.7	1.1336710	1.1817000		4.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.1	1.1358180	1.1392370		0.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.9	1.0966080	1.1220110		2.3	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221221.b/12212266ECD7.D
Data file 2: /221221.b/221221.b/12212266ECD7.D
Method: \\target\share\chem4\ecd7.i\221221.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV8
Client ID:
Injection Date: 22-DEC-2022 14:42
Report Date: 12/27/2022 10:16
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.000	208111	5.710	0.000	118536	41.7	40.9	1.9	Tetrachloro-m-xylene
13.904	0.000	255330	14.132	0.000	181980	45.6	40.1	12.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	352223	-21.3
Hexabromobiphenyl	798898	610786	-23.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	211292	-15.2
Hexabromobiphenyl	362541	319477	-11.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.000	29925	254.7	1	7.274	0.000	27970	258.9
Aroclor-1016	2	7.677	0.000	99139	261.4	2	7.872	0.000	51610	221.5
Aroclor-1016	3	7.811	0.000	43408	252.5	3	8.071	0.000	24361	243.5
Aroclor-1016	4	8.423	0.000	30785	280.9	4	8.243	0.000	14222	270.3
Total Col1Ave (4 peaks):					262.4	Total Col2Ave (4 peaks):				248.5 RPD = 5
Corrected Ave (3 peaks):					256.2	Corrected Ave (3 peaks):				241.3 RPD = 6
CalAmt %D:					4.9	CalAmt %D:				-0.6
Aroclor-1260	1	11.056	0.000	65326	293.8	1	11.665	0.000	42849	254.1
Aroclor-1260	2	11.374	0.000	68711	298.8	2	11.927	0.000	80693	190.7
Aroclor-1260	3	11.748	0.000	178592	295.6	3	12.447	0.000	30372	269.5
Aroclor-1260	4	12.149	0.000	89168	289.8	4	12.511	0.000	59938	212.5
Aroclor-1260	5	12.255	0.000	37489	297.6	NS	---			----
Total Col1Ave (5 peaks):					295.1	Total Col2Ave (4 peaks):				231.7 RPD = 24
Corrected Ave (4 peaks):					294.2	Corrected Ave (3 peaks):				219.1 RPD = 29
CalAmt %D:					18.1	CalAmt %D:				-7.3

Total PCB Area Col1 (5.933 - 13.804) = 1821066 Col1 Total PCB = 0.5 ppm*

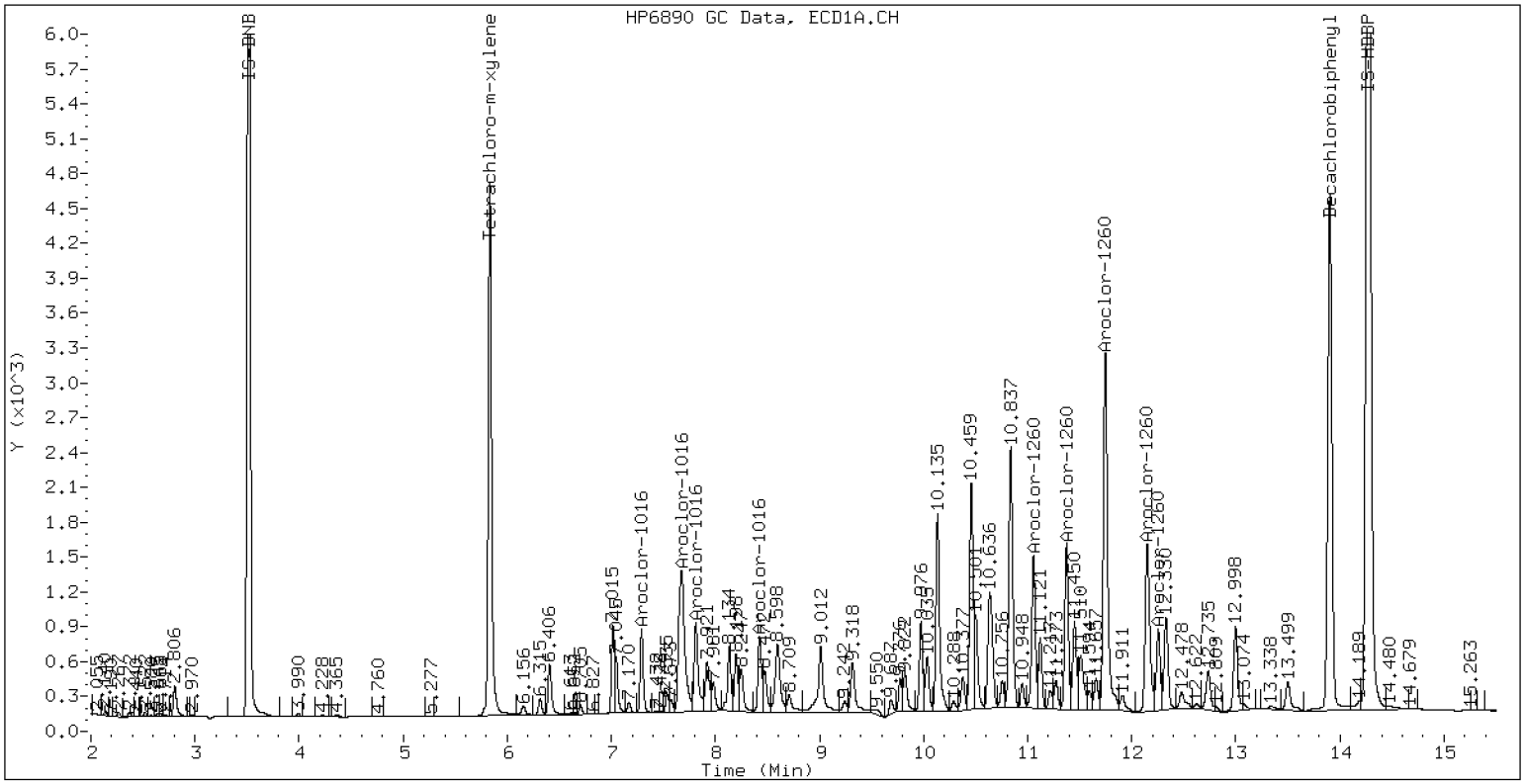
Total PCB Area Col2 (5.810 - 14.032) = 977412 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

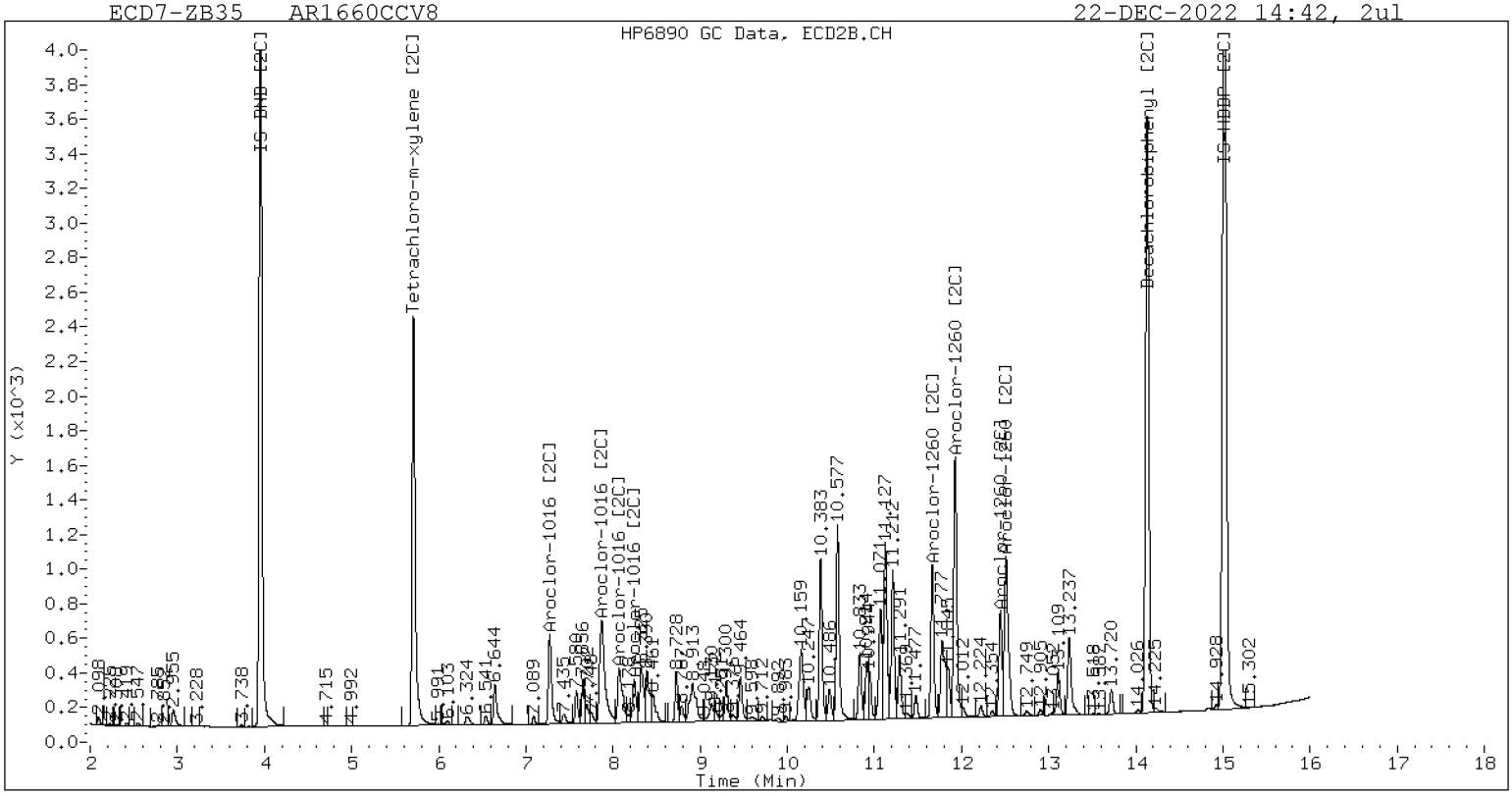
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 22-DEC-2022 14:42, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV8 22-DEC-2022 14:42, 2ul

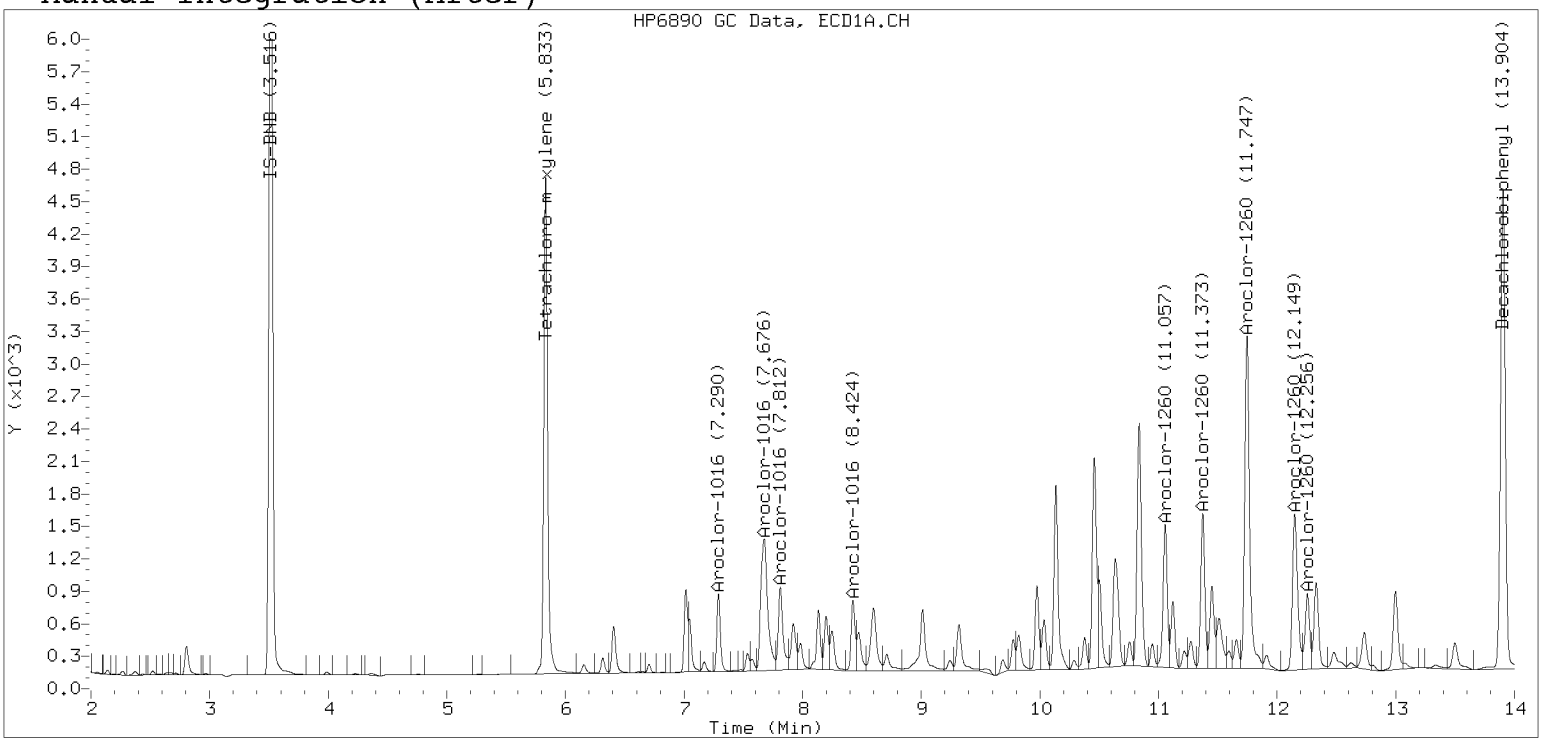


ZB-35 Manual Integration: NO

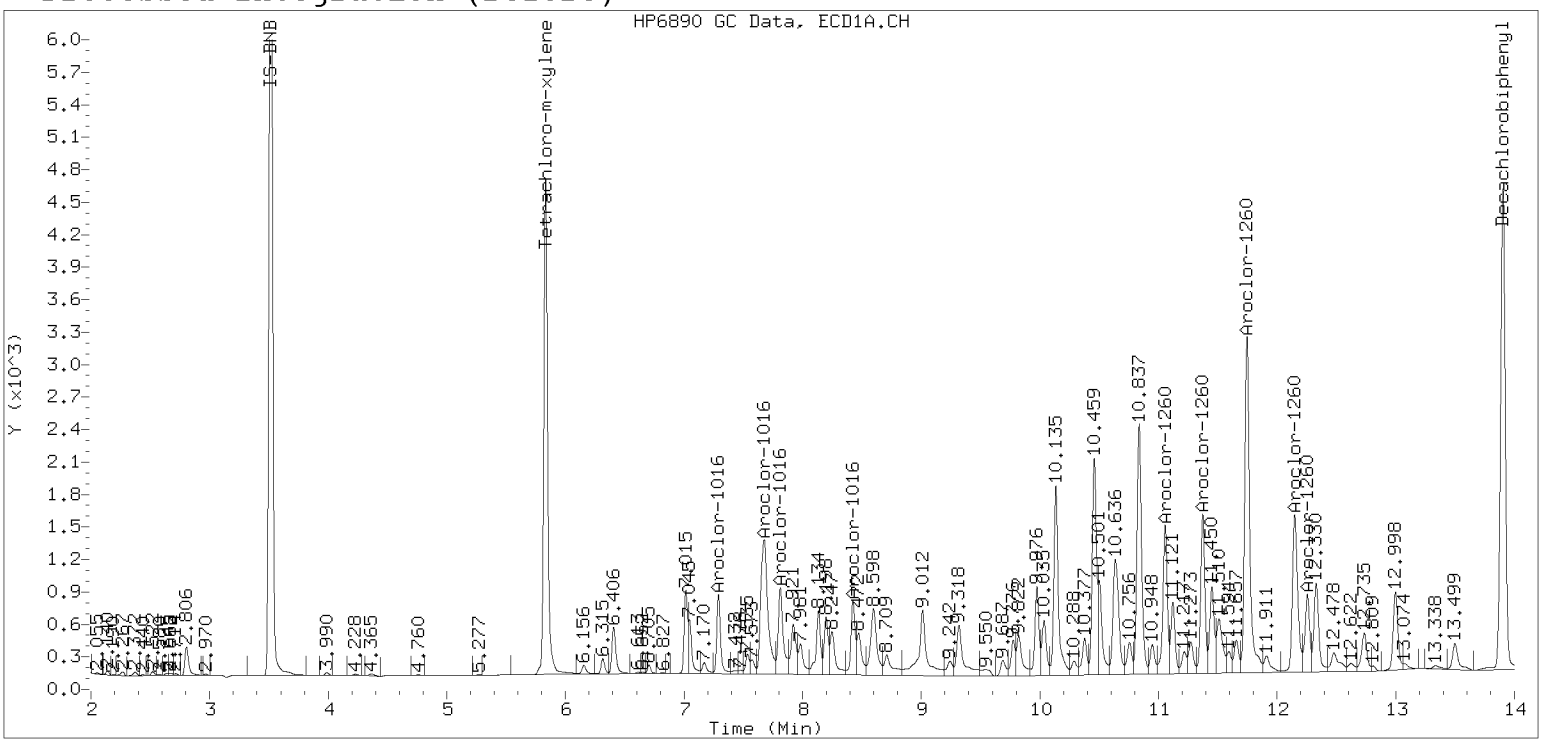
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221221.b/12212266ECD7.D Injection Date: 22-DEC-2022 14:42

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222214ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/22/22
Lab Sample ID:	SKL0330-CCV1	Injection Time:	20:27
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	231	0.0490062	0.0445502		-7.7	+/-20
Aroclor-1248 (1)	A	250.00	268		0.0368089			
Aroclor-1248 (2)	A	250.00	281		0.0493099			
Aroclor-1248 (3)	A	250.00	212		0.0670749			
Aroclor-1248 (4)	A	250.00	162		0.0250071			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0383061		-4.1	+/-20
Aroclor-1248 (1) [2C]	A	250.00	250		0.0327526			
Aroclor-1248 (2) [2C]	A	250.00	188		0.0259119			
Aroclor-1248 (3) [2C]	A	250.00	265		0.0443613			
Aroclor-1248 (4) [2C]	A	250.00	256		0.0501985			
Decachlorobiphenyl	A	40.000	41.9	0.7333327	0.7677552		4.8	+/-20
Tetrachlorometaxylene	A	40.000	35.6	1.1336710	1.0104790		-11.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.9	1.1358180	1.1056220		-2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.3	1.0966080	0.9942061		-9.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222214ECD7.D
Data file 2: /221222.b/221222.b/12222214ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV1
Client ID:
Injection Date: 22-DEC-2022 20:27
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.835	0.003	216682	5.713	-0.001	123805	35.7	36.3	1.7	Tetrachloro-m-xylene
13.904	0.001	301942	14.132	-0.004	216802	41.9	38.9	7.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	428870	-4.2
Hexabromobiphenyl	798898	786558	-1.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	249053	-0.0
Hexabromobiphenyl	362541	392181	8.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.424	-0.003	49332	267.5	1	8.324	-0.002	25491	250.5
Aroclor-1248	2	8.598	-0.006	66086	280.7	2	8.729	-0.004	20167	188.5
Aroclor-1248	3	9.019	-0.004	89895	212.2	3	9.173	-0.004	34526	265.2
Aroclor-1248	4	9.311	0.000	33515	161.5	4	9.595	-0.007	39069	255.7
Total Col1Ave (4 peaks):					230.5	Total Col2Ave (4 peaks):				240.0 RPD = 4
Corrected Ave (3 peaks):					213.8	Corrected Ave (3 peaks):				231.6 RPD = 8
CalAmt %D:					-7.8	CalAmt %D:				-4.0

Total PCB Area Col1 (5.933 - 13.804) = 1050052 Col1 Total PCB = 0.3 ppm*

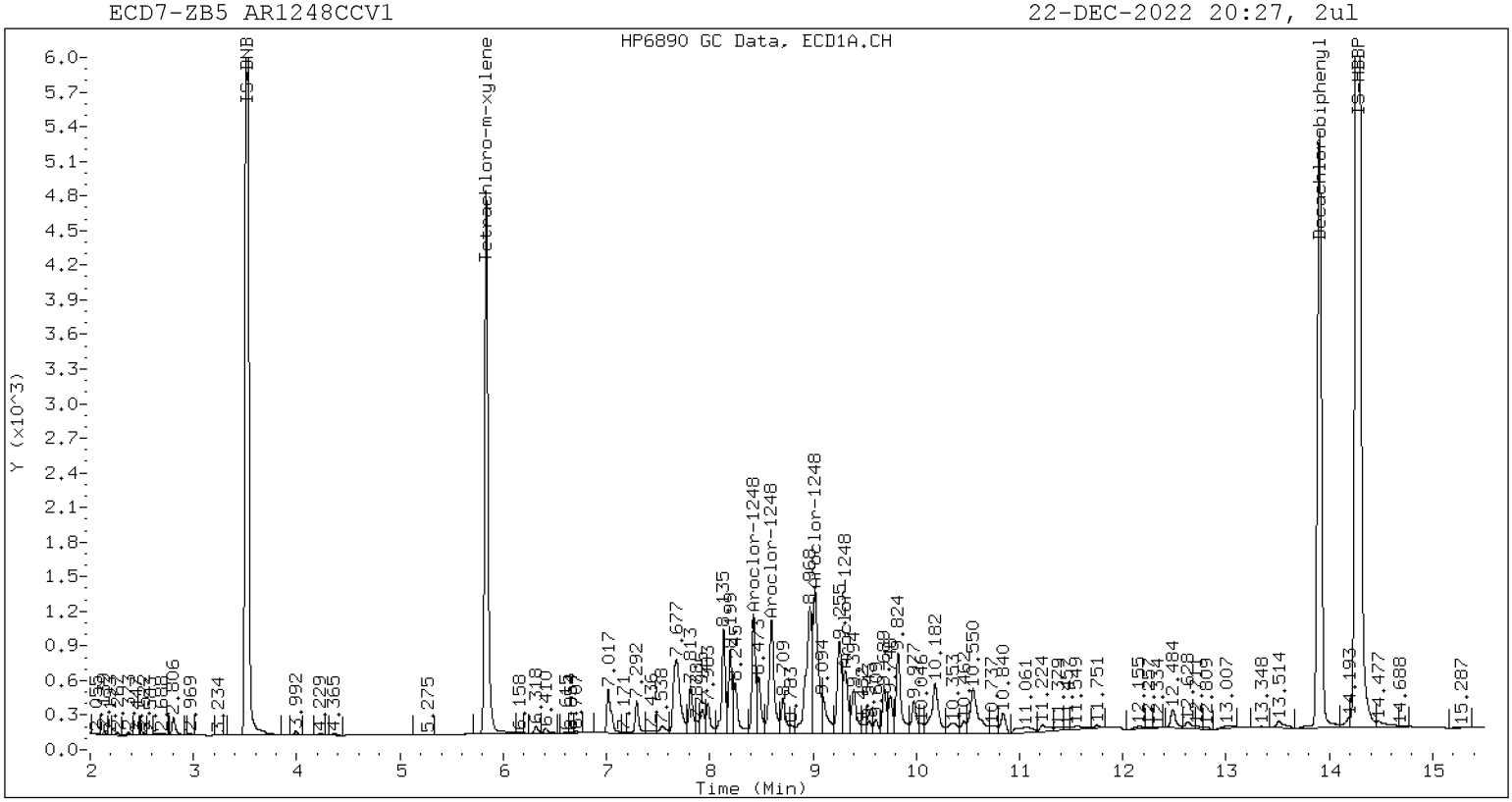
Total PCB Area Col2 (5.813 - 14.037) = 482751 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

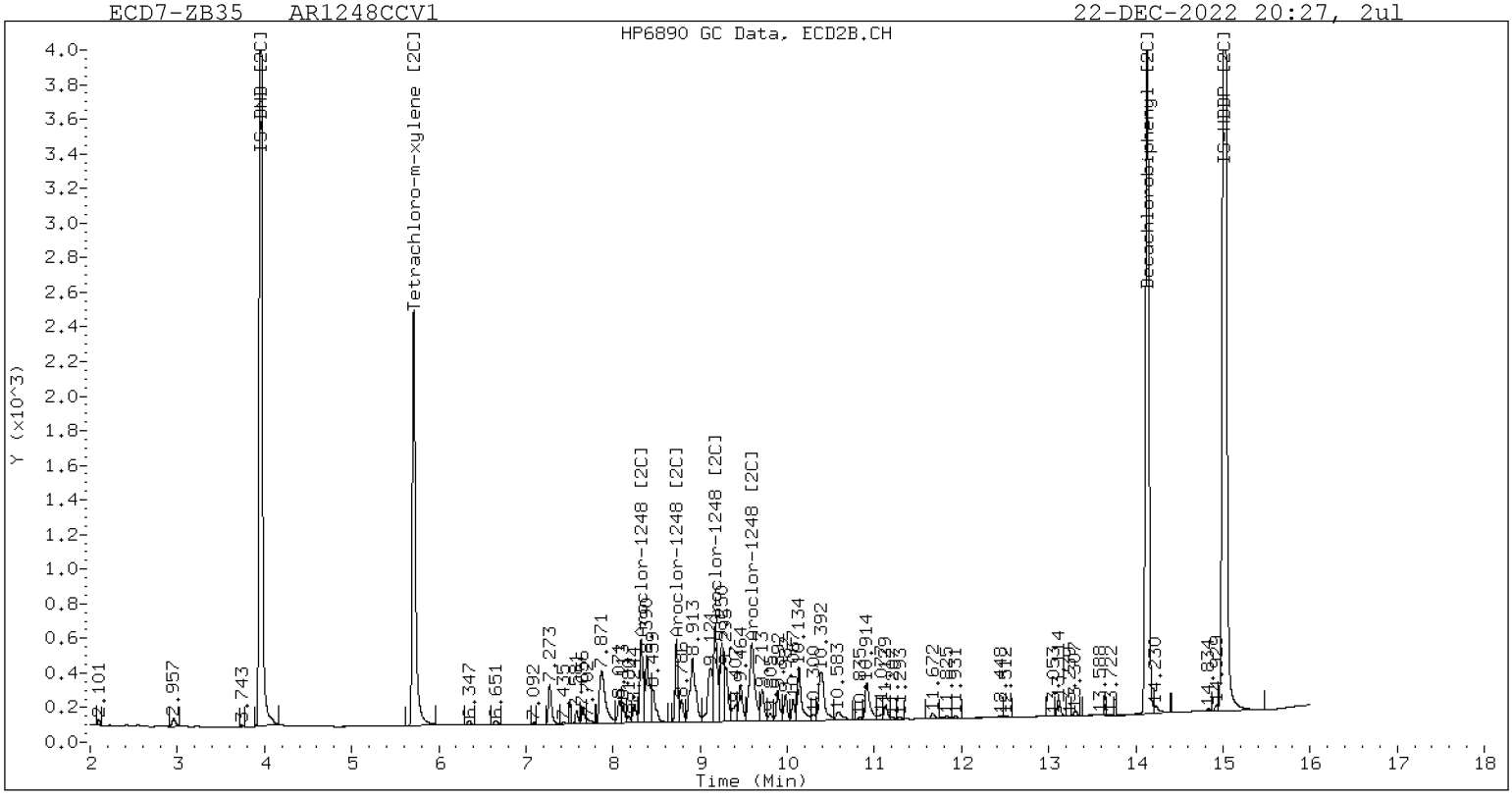
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 22-DEC-2022 20:27, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 22-DEC-2022 20:27, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222215ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/22/22
Lab Sample ID:	SKL0330-CCV2	Injection Time:	20:48
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	282	0.0441939	0.0490552		12.7	+/-20
Aroclor-1016 (1)	A	250.00	288	0.0266860	0.0307500		15.2	
Aroclor-1016 (2)	A	250.00	271	0.0861572	0.0933607		8.4	
Aroclor-1016 (3)	A	250.00	274	0.0390425	0.0428443		9.6	
Aroclor-1016 (4)	A	250.00	294	0.0248899	0.0292660		17.6	
Aroclor 1016 [2C]	A	250.00	243	0.0467310	0.0438582		-2.7	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0413589		1.2	
Aroclor-1016 (2) [2C]	A	250.00	218	0.0882154	0.0768544		-12.8	
Aroclor-1016 (3) [2C]	A	250.00	240	0.0378846	0.0362962		-4.0	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0209235		4.8	
Aroclor 1260	A	250.00	259	0.0390342	0.0406260		3.6	+/-20
Aroclor-1260 (1)	A	250.00	259	0.0291201	0.0302121		3.6	
Aroclor-1260 (2)	A	250.00	261	0.0301181	0.0314808		4.4	
Aroclor-1260 (3)	A	250.00	264	0.0791351	0.0836602		5.6	
Aroclor-1260 (4)	A	250.00	253	0.0403003	0.0407692		1.2	
Aroclor-1260 (5)	A	250.00	258	0.0164974	0.0170080		3.2	
Aroclor 1260 [2C]	A	250.00	216	0.0617619	0.0499574		-13.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	237	0.0422283	0.0400008		-5.2	
Aroclor-1260 (2) [2C]	A	250.00	179	0.1059643	0.0760728		-28.4	
Aroclor-1260 (3) [2C]	A	250.00	252	0.0282173	0.0284995		0.8	
Aroclor-1260 (4) [2C]	A	250.00	196	0.0706376	0.0552565		-21.6	
Decachlorobiphenyl	A	40.000	44.5	0.7333327	0.8159665		11.3	+/-20
Tetrachlorometaxylene	A	40.000	41.1	1.1336710	1.1654860		2.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.4	1.1358180	1.1196240		-1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.2	1.0966080	1.0744030		-2.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222215ECD7.D
Data file 2: /221222.b/221222.b/12222215ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV2
Client ID:
Injection Date: 22-DEC-2022 20:48
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.000	201305	5.710	-0.003	109912	41.1	39.2	4.8	Tetrachloro-m-xylene
13.903	-0.001	298738	14.131	-0.006	191004	44.5	39.4	12.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	345444	-22.8
Hexabromobiphenyl	798898	732231	-8.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	204601	-17.9
Hexabromobiphenyl	362541	341193	-5.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	0.000	33195	288.1	1	7.274	-0.001	26444	252.8
Aroclor-1016	2	7.674	-0.001	100784	270.9	2	7.872	0.002	49139	217.8
Aroclor-1016	3	7.811	0.001	46251	274.3	3	8.071	0.001	23207	239.5
Aroclor-1016	4	8.424	0.001	31593	294.0	4	8.242	0.001	13378	262.6
Total Col1Ave (4 peaks):					281.8	Total Col2Ave (4 peaks):				243.2 RPD = 15
Corrected Ave (3 peaks):					277.8	Corrected Ave (3 peaks):				236.7 RPD = 16
CalAmt %D:					12.7	CalAmt %D:				-2.7
Aroclor-1260	1	11.058	0.002	69132	259.4	1	11.665	-0.004	42650	236.8
Aroclor-1260	2	11.374	0.000	72035	261.3	2	11.928	-0.005	81111	179.5
Aroclor-1260	3	11.746	-0.001	191433	264.3	3	12.446	-0.005	30387	252.5
Aroclor-1260	4	12.149	0.000	93289	252.9	4	12.511	-0.006	58916	195.6
Aroclor-1260	5	12.256	-0.002	38918	257.7	NS	---			----
Total Col1Ave (5 peaks):					259.1	Total Col2Ave (4 peaks):				216.1 RPD = 18
Corrected Ave (4 peaks):					257.8	Corrected Ave (3 peaks):				204.0 RPD = 23
CalAmt %D:					3.7	CalAmt %D:				-13.6

Total PCB Area Col1 (5.933 - 13.804) = 1959471 Col1 Total PCB = 0.6 ppm*

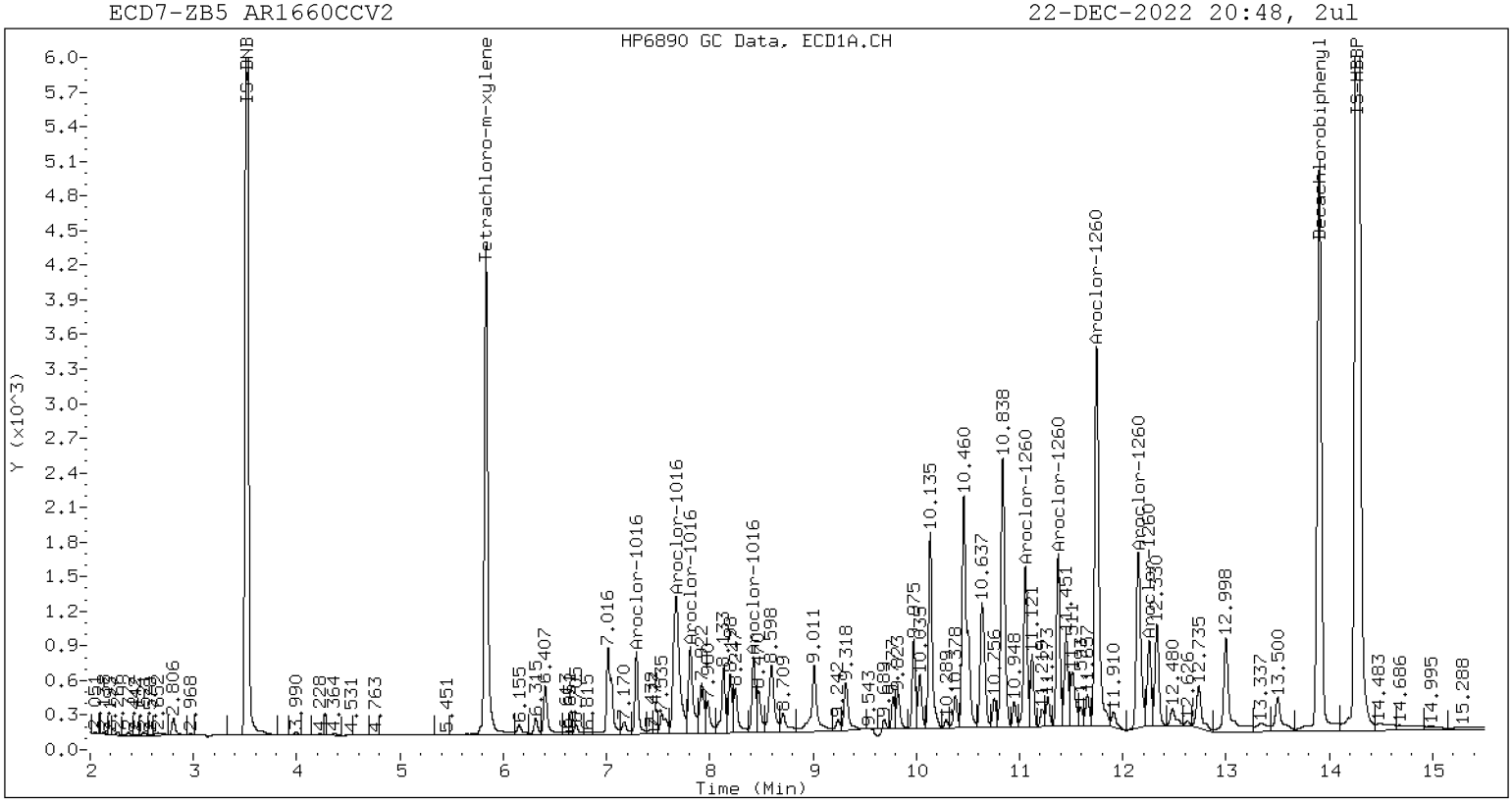
Total PCB Area Col2 (5.813 - 14.037) = 956043 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

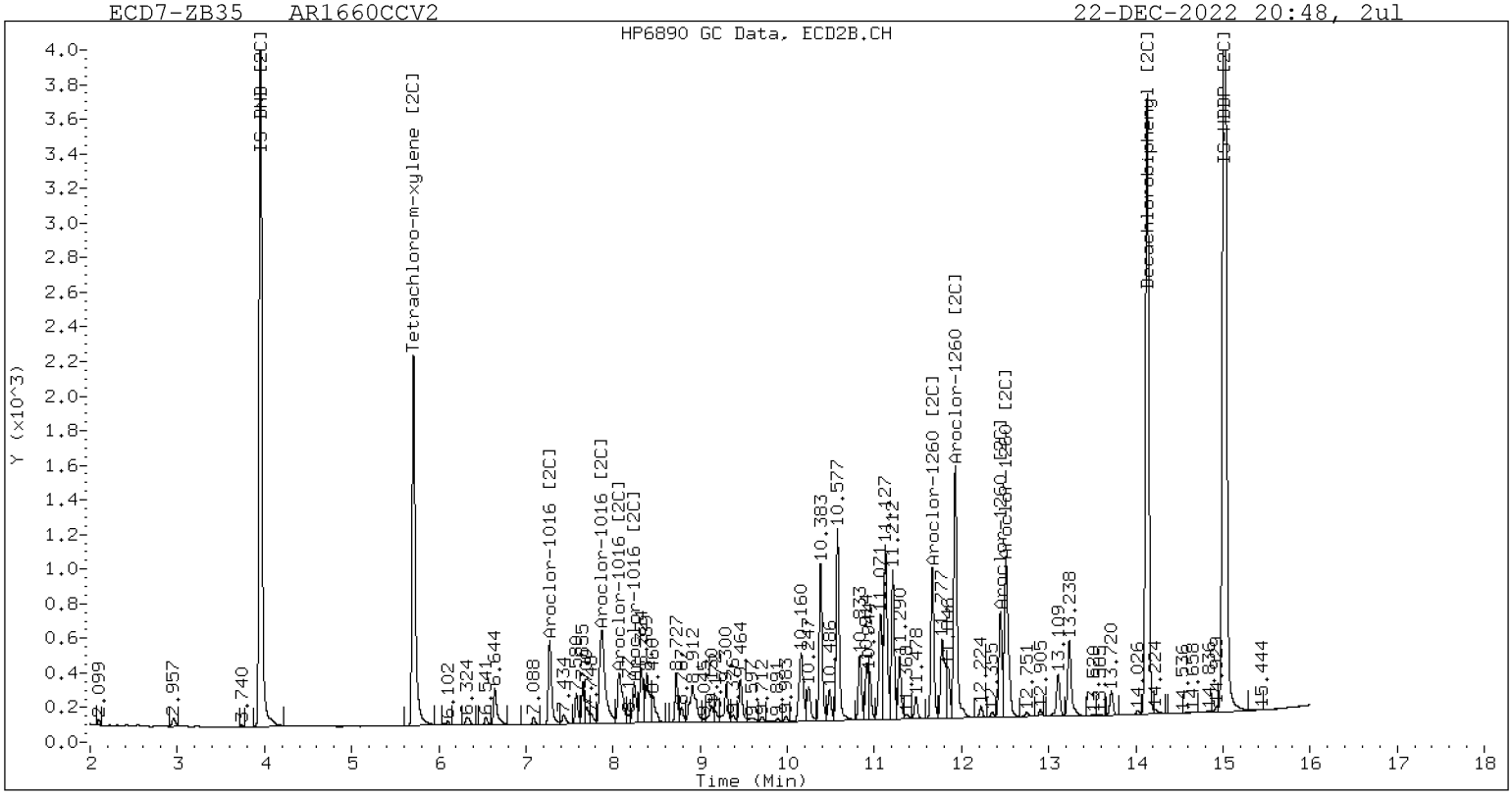
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 22-DEC-2022 20:48, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV2 22-DEC-2022 20:48, 2ul

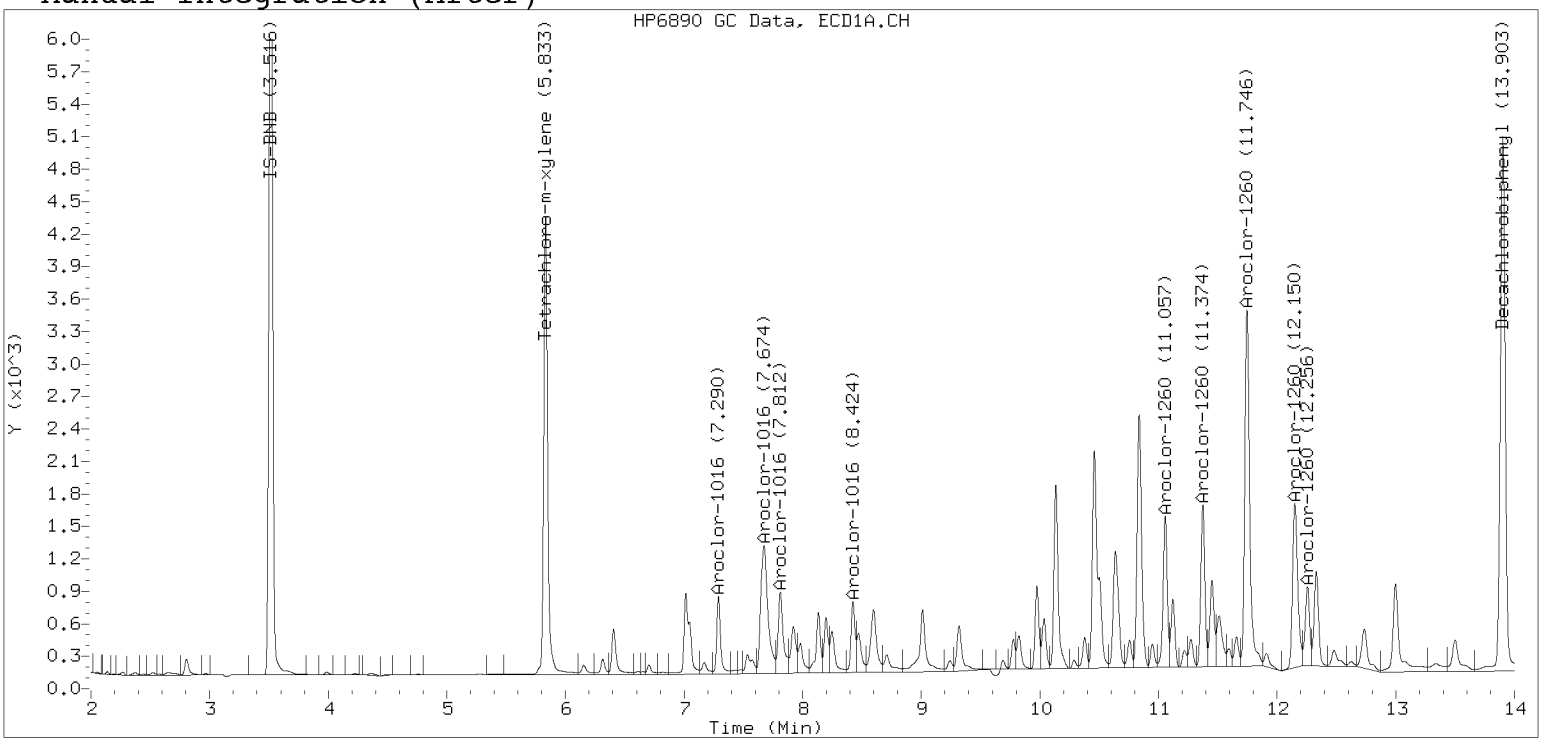


ZB-35 Manual Integration: NO

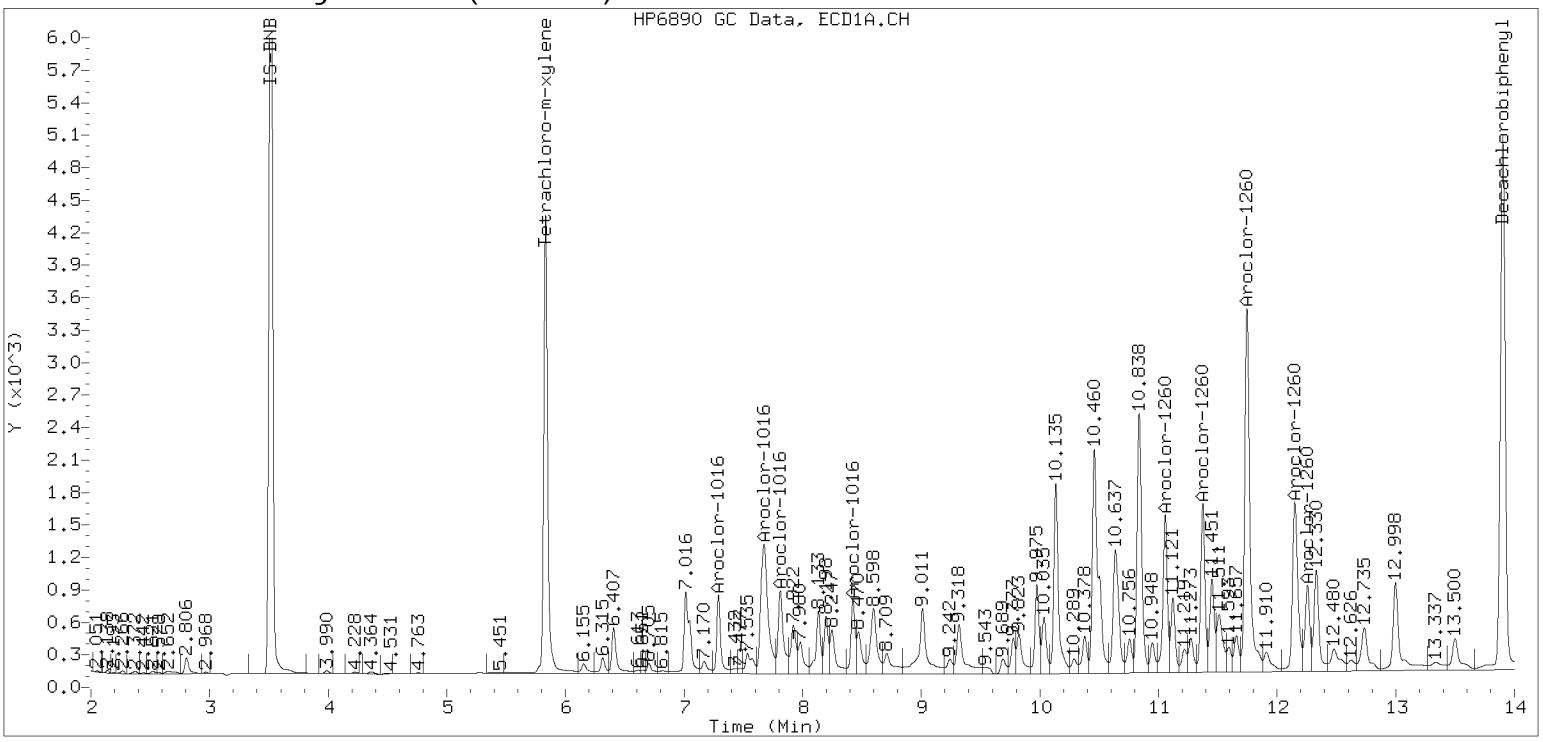
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222215ECD7.D Injection Date: 22-DEC-2022 20:48

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222226ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV3	Injection Time:	00:41
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	261	0.0396000	0.0414173		4.3	+/-20
Aroclor-1242 (1)	A	250.00	250		0.0226694			
Aroclor-1242 (2)	A	250.00	257		0.0739069			
Aroclor-1242 (3)	A	250.00	259		0.0214279			
Aroclor-1242 (4)	A	250.00	277		0.0476651			
Aroclor 1242 [2C]	A	250.00	252	0.0391981	0.0372603		0.8	+/-20
Aroclor-1242 (1) [2C]	A	250.00	250		0.0339209			
Aroclor-1242 (2) [2C]	A	250.00	204		0.0586144			
Aroclor-1242 (3) [2C]	A	250.00	280		0.0259865			
Aroclor-1242 (4) [2C]	A	250.00	274		0.0305192			
Decachlorobiphenyl	A	40.000	42.1	0.7333327	0.7710997		5.3	+/-20
Tetrachlorometaxylene	A	40.000	37.4	1.1336710	1.0600470		-6.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.0	1.1358180	1.0798220		-5.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.0	1.0966080	1.0134780		-7.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222226ECD7.D
Data file 2: /221222.b/221222.b/12222226ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV3
Client ID:
Injection Date: 23-DEC-2022 00:41
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.000	221580	5.709	-0.004	124033	37.4	37.0	1.2	Tetrachloro-m-xylene
13.904	-0.000	328064	14.132	-0.005	216048	42.1	38.0	10.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	418057	-6.6
Hexabromobiphenyl	798898	850899	6.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	244767	-1.7
Hexabromobiphenyl	362541	400155	10.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.290	-0.005	29616	249.9	1	7.273	-0.004	25946	250.5
Aroclor-1242	2	7.676	-0.009	96554	256.6	2	7.870	-0.004	44834	203.9
Aroclor-1242	3	8.422	-0.007	27994	258.6	3	9.171	-0.007	19877	280.2
Aroclor-1242	4	9.022	-0.009	62271	277.0	4	9.591	-0.014	23344	273.8
Total Col1Ave (4 peaks):					260.6	Total Col2Ave (4 peaks):				252.1 RPD = 3
Corrected Ave (3 peaks):					255.1	Corrected Ave (3 peaks):				242.7 RPD = 5
CalAmt %D:					4.2	CalAmt %D:				0.8

Total PCB Area Col1 (5.933 - 13.804) = 919125 Col1 Total PCB = 0.2 ppm*

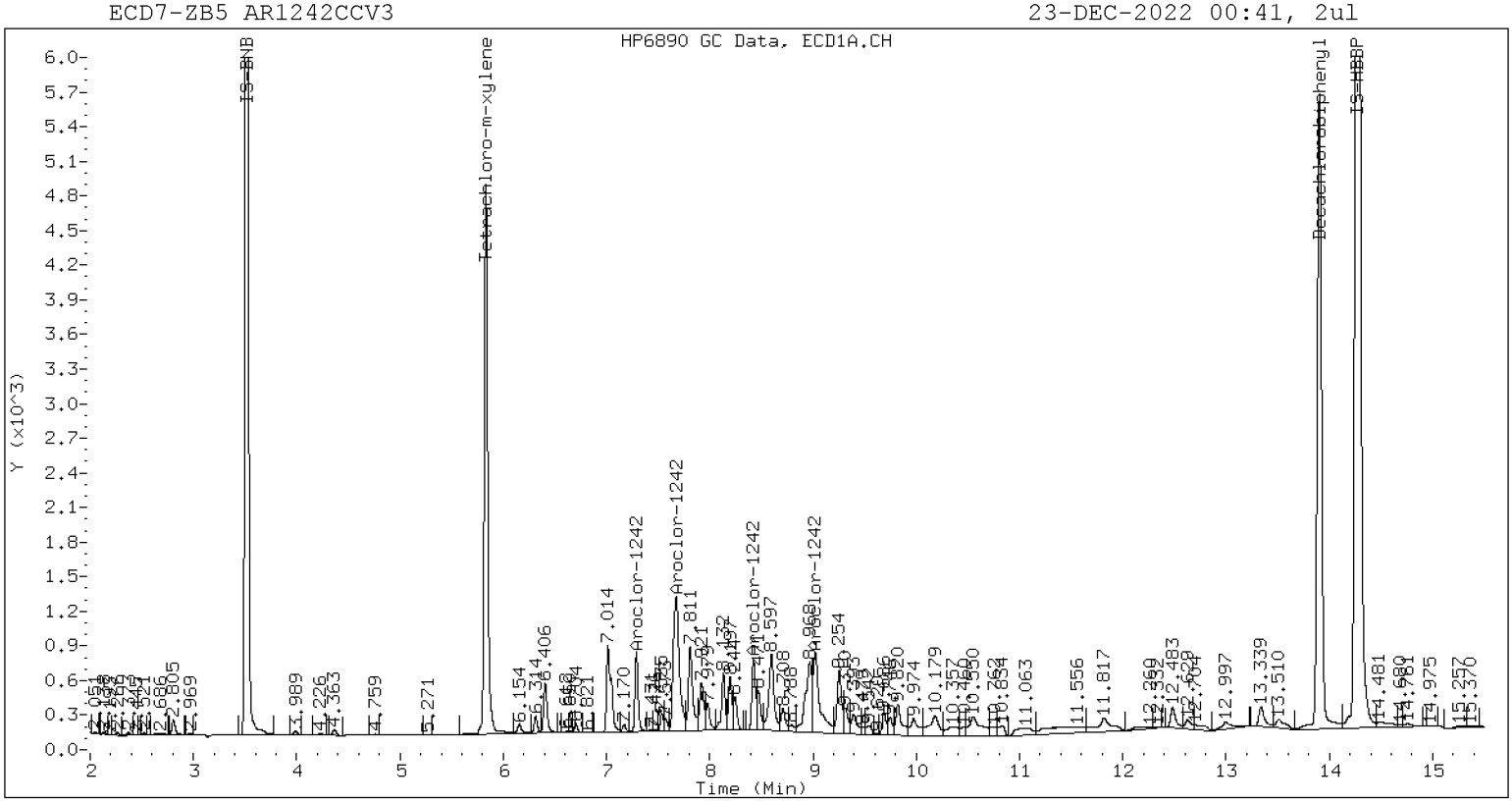
Total PCB Area Col2 (5.813 - 14.037) = 386027 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

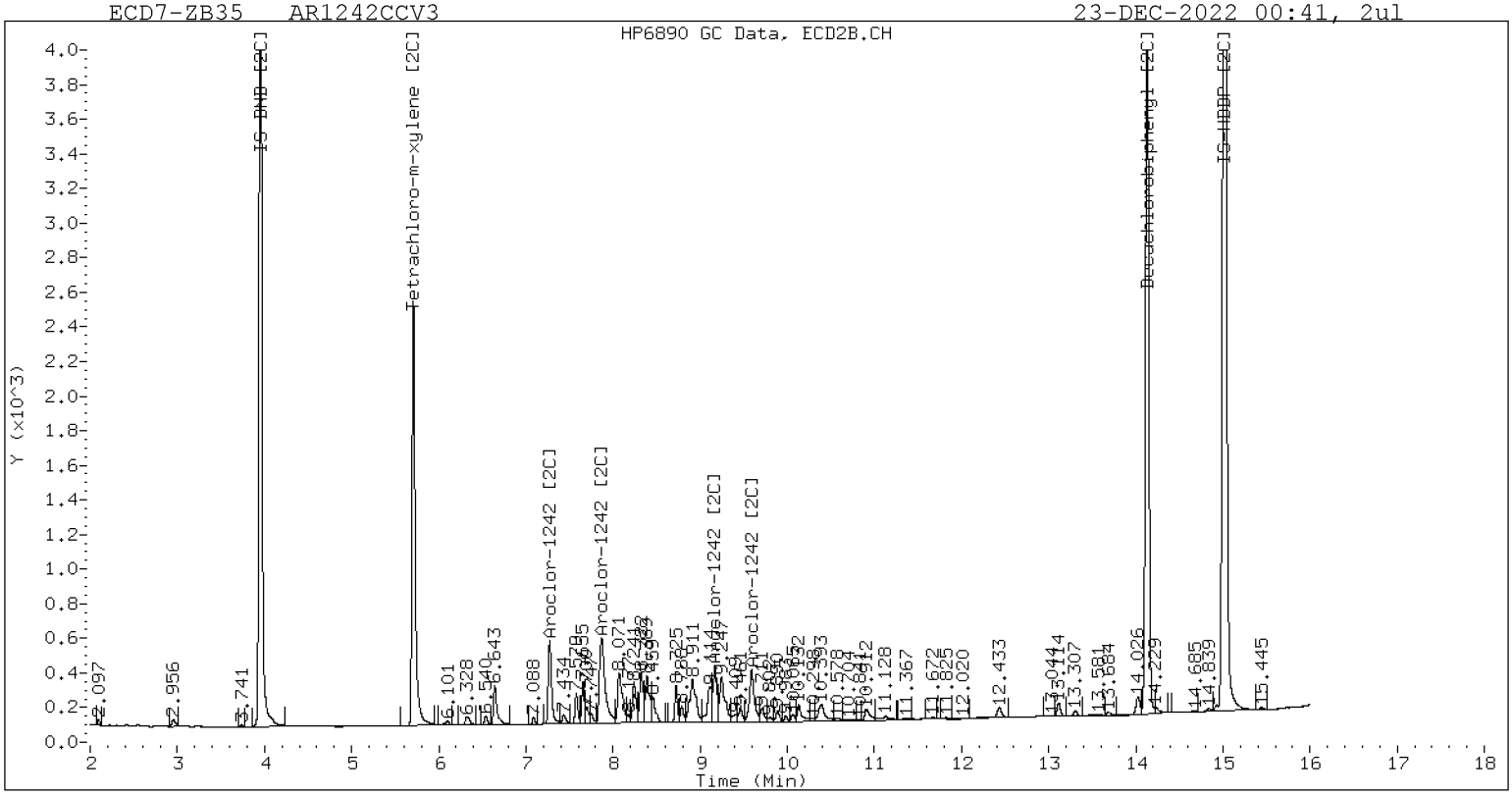
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 23-DEC-2022 00:41, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV3 23-DEC-2022 00:41, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222227ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV4	Injection Time:	01:02
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	266	0.0441939	0.0466218		6.3	+/-20
Aroclor-1016 (1)	A	250.00	258	0.0266860	0.0275035		3.2	
Aroclor-1016 (2)	A	250.00	261	0.0861572	0.0899509		4.4	
Aroclor-1016 (3)	A	250.00	264	0.0390425	0.0411533		5.6	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0278795		12.0	
Aroclor 1016 [2C]	A	250.00	241	0.0467310	0.0433922		-3.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0405015		-0.8	
Aroclor-1016 (2) [2C]	A	250.00	216	0.0882154	0.0761180		-13.6	
Aroclor-1016 (3) [2C]	A	250.00	238	0.0378846	0.0360653		-4.8	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0208838		4.8	
Aroclor 1260	A	250.00	267	0.0390342	0.0418158		6.8	+/-20
Aroclor-1260 (1)	A	250.00	265	0.0291201	0.0308343		6.0	
Aroclor-1260 (2)	A	250.00	267	0.0301181	0.0322025		6.8	
Aroclor-1260 (3)	A	250.00	271	0.0791351	0.0857645		8.4	
Aroclor-1260 (4)	A	250.00	264	0.0403003	0.0426034		5.6	
Aroclor-1260 (5)	A	250.00	268	0.0164974	0.0176744		7.2	
Aroclor 1260 [2C]	A	250.00	209	0.0617619	0.0482412		-16.5	+/-20
Aroclor-1260 (1) [2C]	A	250.00	229	0.0422283	0.0386520		-8.4	
Aroclor-1260 (2) [2C]	A	250.00	173	0.1059643	0.0733755		-30.8	
Aroclor-1260 (3) [2C]	A	250.00	245	0.0282173	0.0277051		-2.0	
Aroclor-1260 (4) [2C]	A	250.00	188	0.0706376	0.0532322		-24.8	
Decachlorobiphenyl	A	40.000	46.2	0.7333327	0.8478482		15.5	+/-20
Tetrachlorometaxylene	A	40.000	39.9	1.1336710	1.1319770		-0.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.9	1.1358180	1.1041350		-2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.5	1.0966080	1.0819690		-1.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222227ECD7.D
Data file 2: /221222.b/221222.b/12222227ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV4
Client ID:
Injection Date: 23-DEC-2022 01:02
Report Date: 12/27/2022 17:47
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.000	200849	5.710	-0.003	111841	39.9	39.5	1.2	Tetrachloro-m-xylene
13.904	0.000	313012	14.131	-0.006	199208	46.2	38.9	17.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	354864	-20.7
Hexabromobiphenyl	798898	738368	-7.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	206736	-17.0
Hexabromobiphenyl	362541	360840	-0.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	0.000	30500	257.7	1	7.273	-0.002	26166	247.5
Aroclor-1016	2	7.675	0.000	99751	261.0	2	7.870	-0.000	49176	215.7
Aroclor-1016	3	7.810	0.000	45637	263.5	3	8.071	0.001	23300	238.0
Aroclor-1016	4	8.423	0.000	30917	280.0	4	8.241	-0.000	13492	262.1
Total Col1Ave (4 peaks):					265.6	Total Col2Ave (4 peaks):				240.8 RPD = 10
Corrected Ave (3 peaks):					260.7	Corrected Ave (3 peaks):				233.8 RPD = 11
CalAmt %D:					6.2	CalAmt %D:				-3.7
Aroclor-1260	1	11.056	0.000	71147	264.7	1	11.664	-0.005	43585	228.8
Aroclor-1260	2	11.373	0.000	74304	267.3	2	11.927	-0.005	82740	173.1
Aroclor-1260	3	11.747	0.000	197893	270.9	3	12.446	-0.005	31241	245.5
Aroclor-1260	4	12.148	0.000	98303	264.3	4	12.511	-0.006	60026	188.4
Aroclor-1260	5	12.258	0.000	40782	267.8	NS	---			----
Total Col1Ave (5 peaks):					267.0	Total Col2Ave (4 peaks):				209.0 RPD = 24
Corrected Ave (4 peaks):					266.0	Corrected Ave (3 peaks):				196.8 RPD = 30
CalAmt %D:					6.8	CalAmt %D:				-16.4

Total PCB Area Col1 (5.933 - 13.804) = 1936111 Col1 Total PCB = 0.6 ppm*

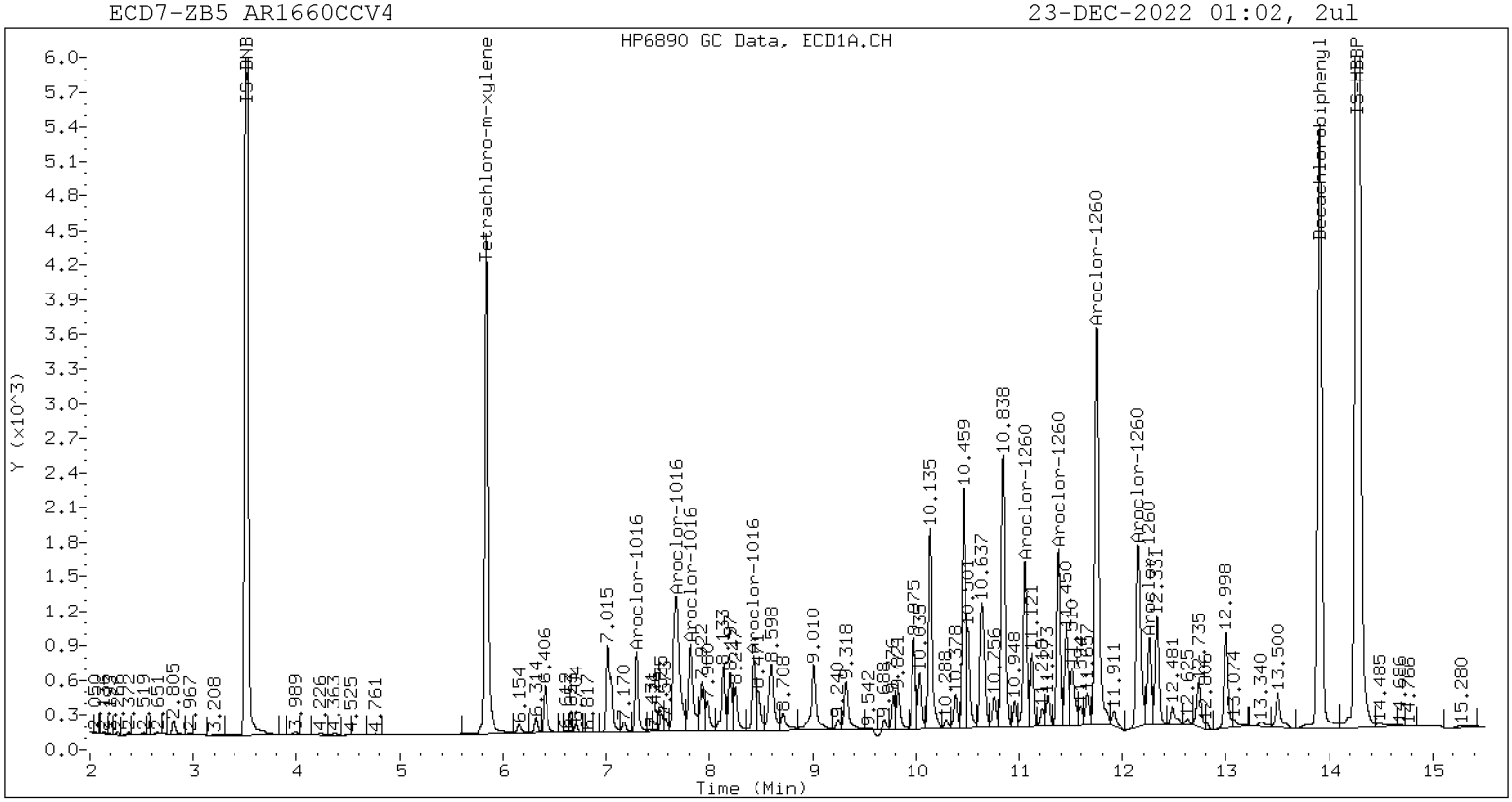
Total PCB Area Col2 (5.813 - 14.037) = 965236 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

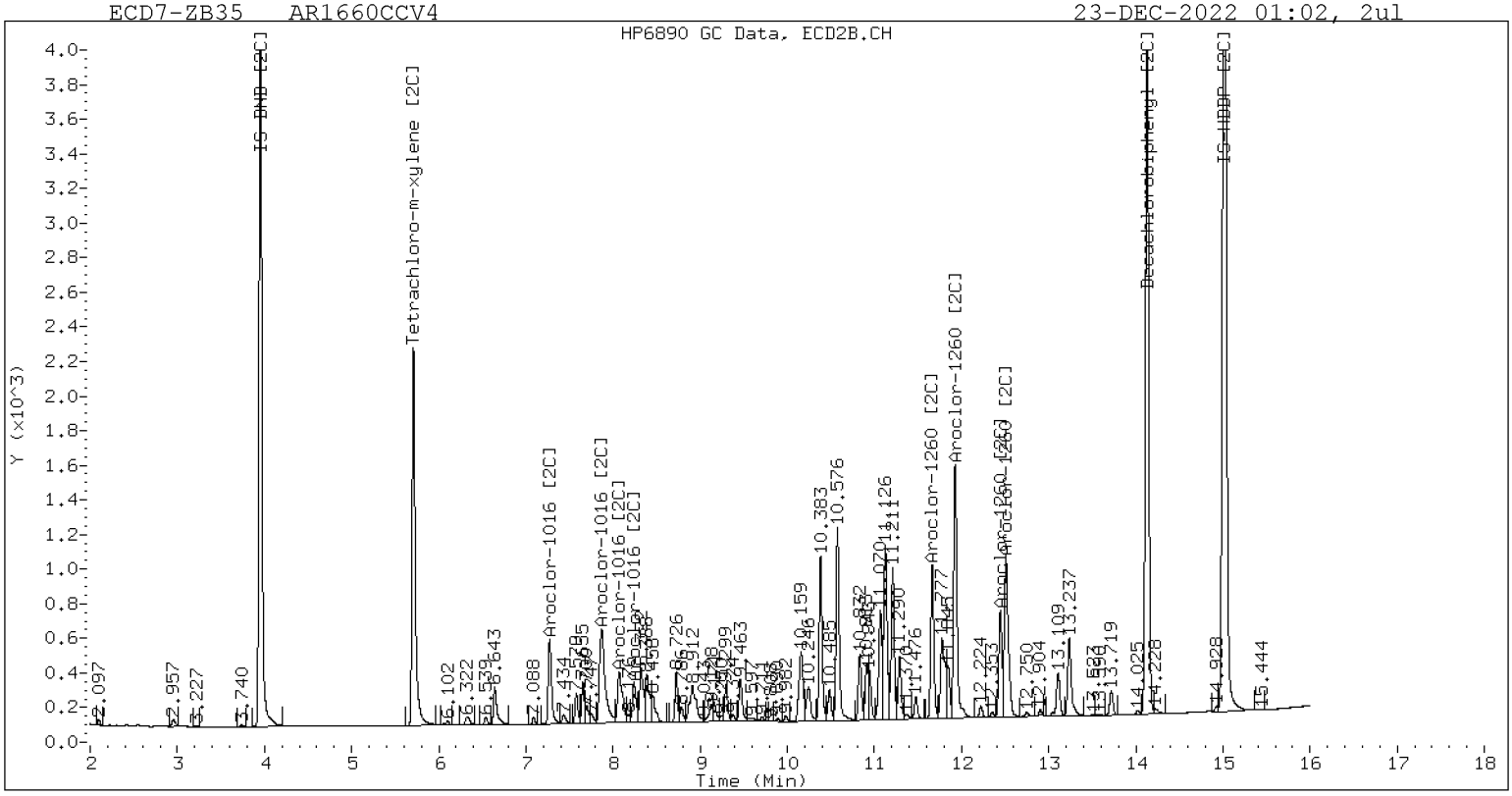
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 23-DEC-2022 01:02, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCV4 23-DEC-2022 01:02, 2ul

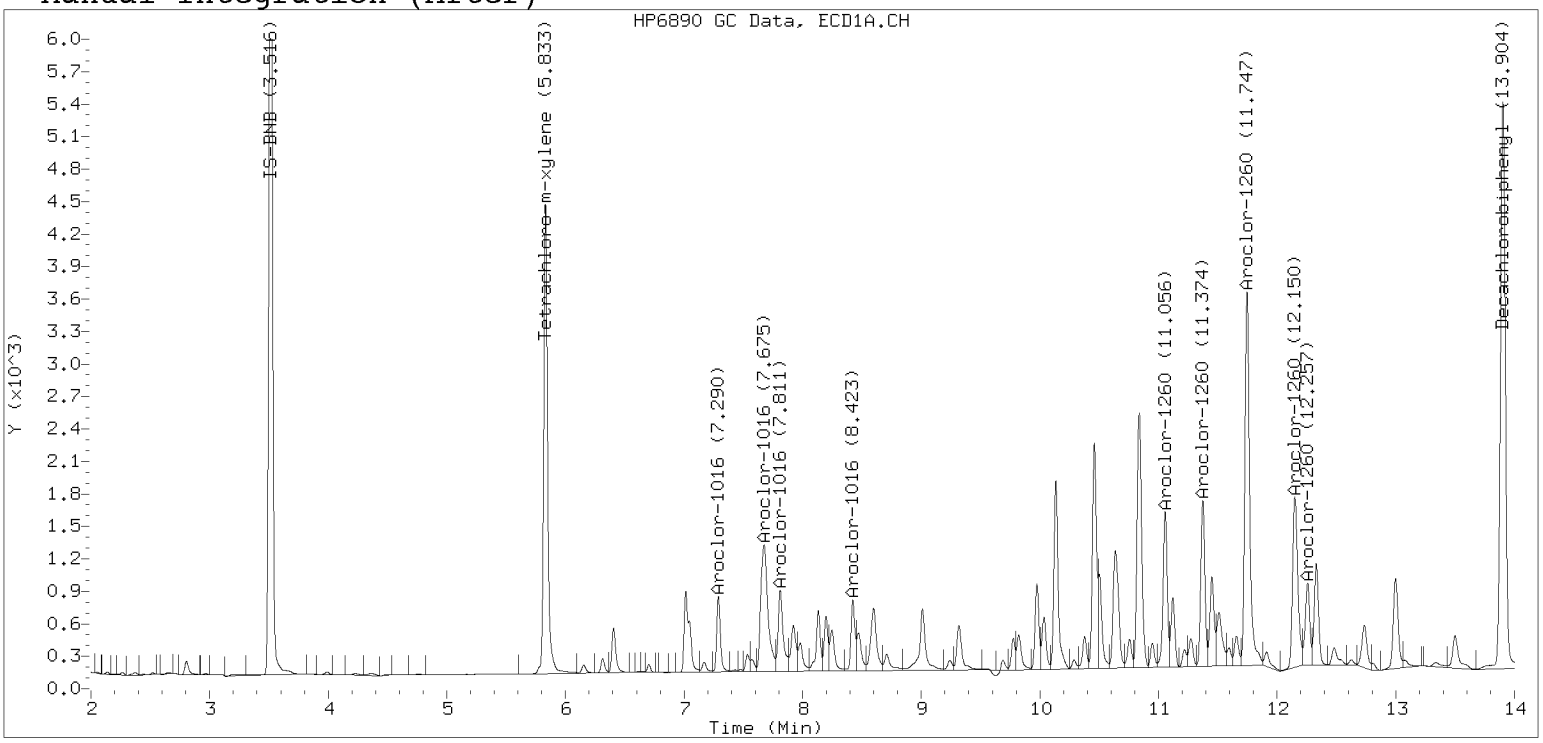


ZB-35 Manual Integration: NO

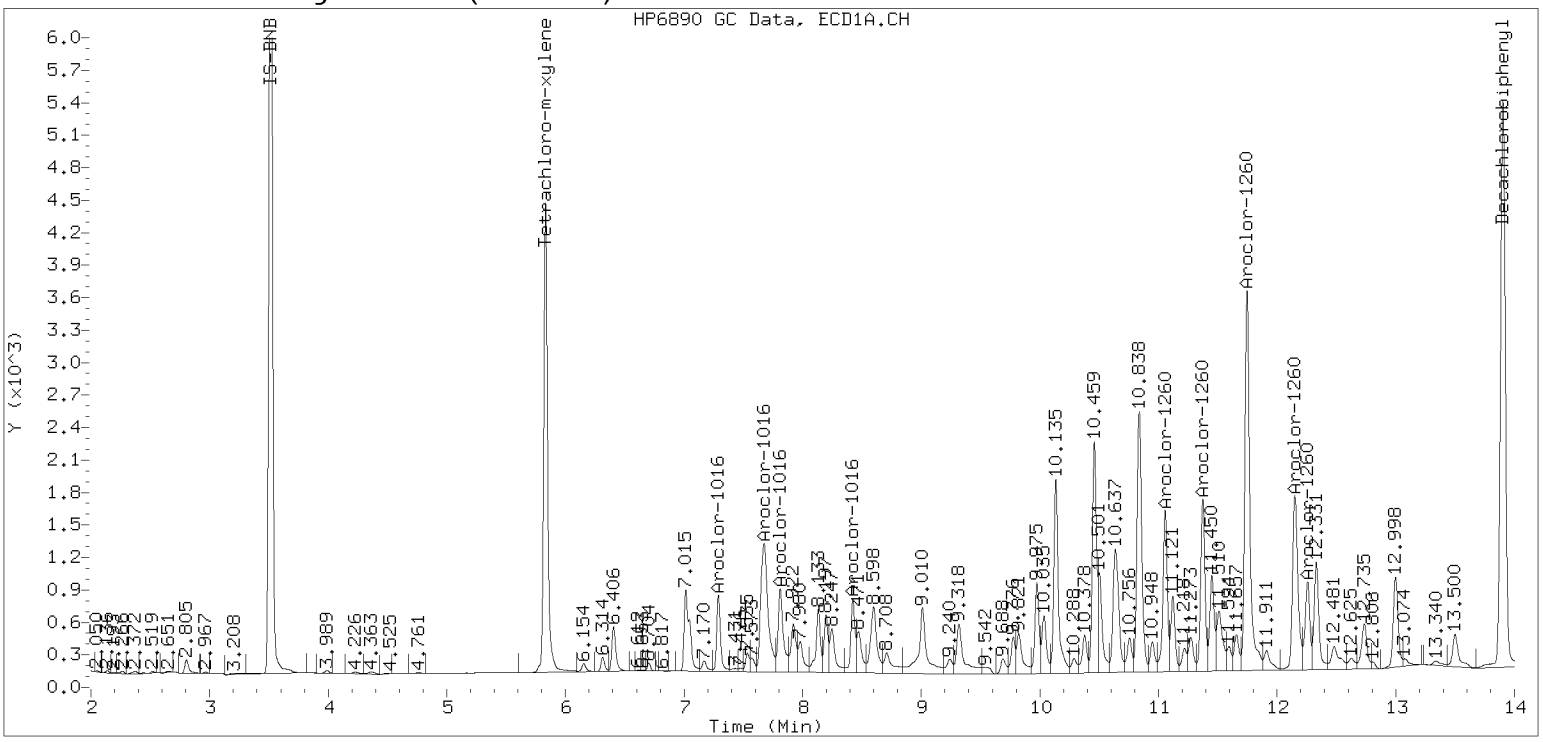
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222227ECD7.D Injection Date: 23-DEC-2022 01:02

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222243ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV5	Injection Time:	06:41
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	269	0.0576965	0.0630031		7.7	+/-20
Aroclor-1254 (1)	A	250.00	250		0.0704782			
Aroclor-1254 (2)	A	250.00	269		0.0294945			
Aroclor-1254 (3)	A	250.00	223		0.0396991			
Aroclor-1254 (4)	A	250.00	289		0.1003905			
Aroclor-1254 (5)	A	250.00	315		0.0749531			
Aroclor 1254 [2C]	A	250.00	239	0.0638047	0.0625715		-4.5	+/-20
Aroclor-1254 (1) [2C]	A	250.00	247		0.0510132			
Aroclor-1254 (2) [2C]	A	250.00	155		0.0257565			
Aroclor-1254 (3) [2C]	A	250.00	230		0.0821138			
Aroclor-1254 (4) [2C]	A	250.00	281		0.1039174			
Aroclor-1254 (5) [2C]	A	250.00	281		0.0500564			
Decachlorobiphenyl	A	40.000	43.6	0.7333327	0.7985081		9.0	+/-20
Tetrachlorometaxylene	A	40.000	37.5	1.1336710	1.0635750		-6.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.7	1.1358180	1.0987390		-3.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.5	1.0966080	1.0292530		-6.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222243ECD7.D
Data file 2: /221222.b/221222.b/12222243ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCV5
Client ID:
Injection Date: 23-DEC-2022 06:41
Report Date: 12/27/2022 13:41
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	222009	5.711	-0.003	123233	37.5	37.5	0.0	Tetrachloro-m-xylene
13.904	-0.003	349388	14.131	-0.005	224519	43.6	38.7	11.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	417477	-6.7
Hexabromobiphenyl	798898	875102	9.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	239461	-3.9
Hexabromobiphenyl	362541	408685	12.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.315	-0.006	91947	250.1	1	9.463	-0.004	38174	247.3
Aroclor-1254	2	9.393	-0.009	38479	269.2	2	9.980	-0.006	19274	155.3
Aroclor-1254	3	9.685	-0.009	51792	223.1	3	10.131	-0.008	61447	230.3
Aroclor-1254	4	9.820	-0.011	130971	289.4	4	10.379	-0.010	77763	281.4
Aroclor-1254	5	10.173	-0.016	97785	315.2	5	10.578	-0.009	37458	281.1
Total Col1Ave (5 peaks):					269.4	Total Col2Ave (5 peaks):				239.1 RPD = 12
Corrected Ave (4 peaks):					258.0	Corrected Ave (4 peaks):				228.5 RPD = 12
CalAmt %D:					7.8	CalAmt %D:				-4.4

Total PCB Area Col1 (5.936 - 13.808) = 1367612 Col1 Total PCB = 0.3 ppm*

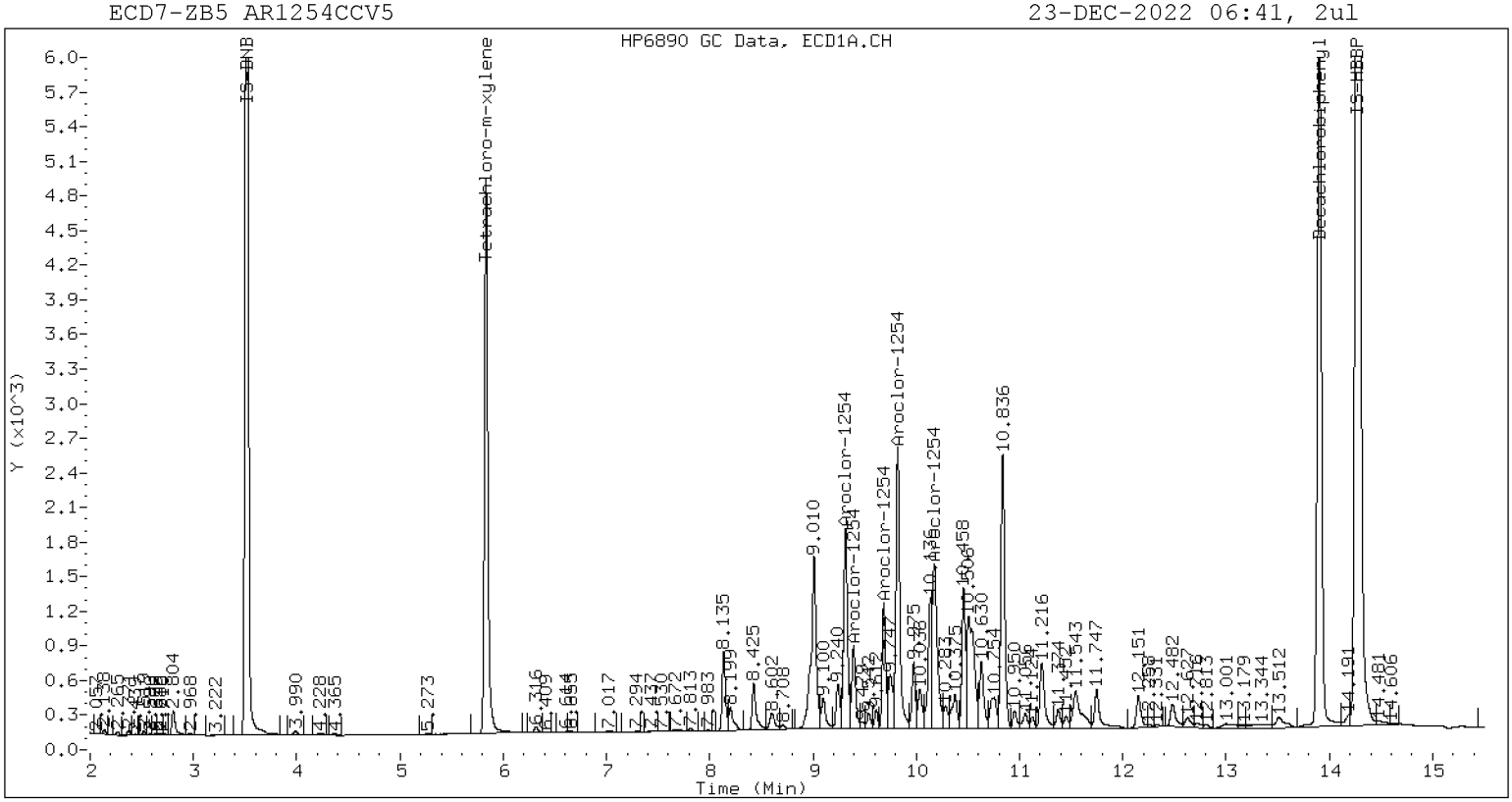
Total PCB Area Col2 (5.813 - 14.037) = 673077 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

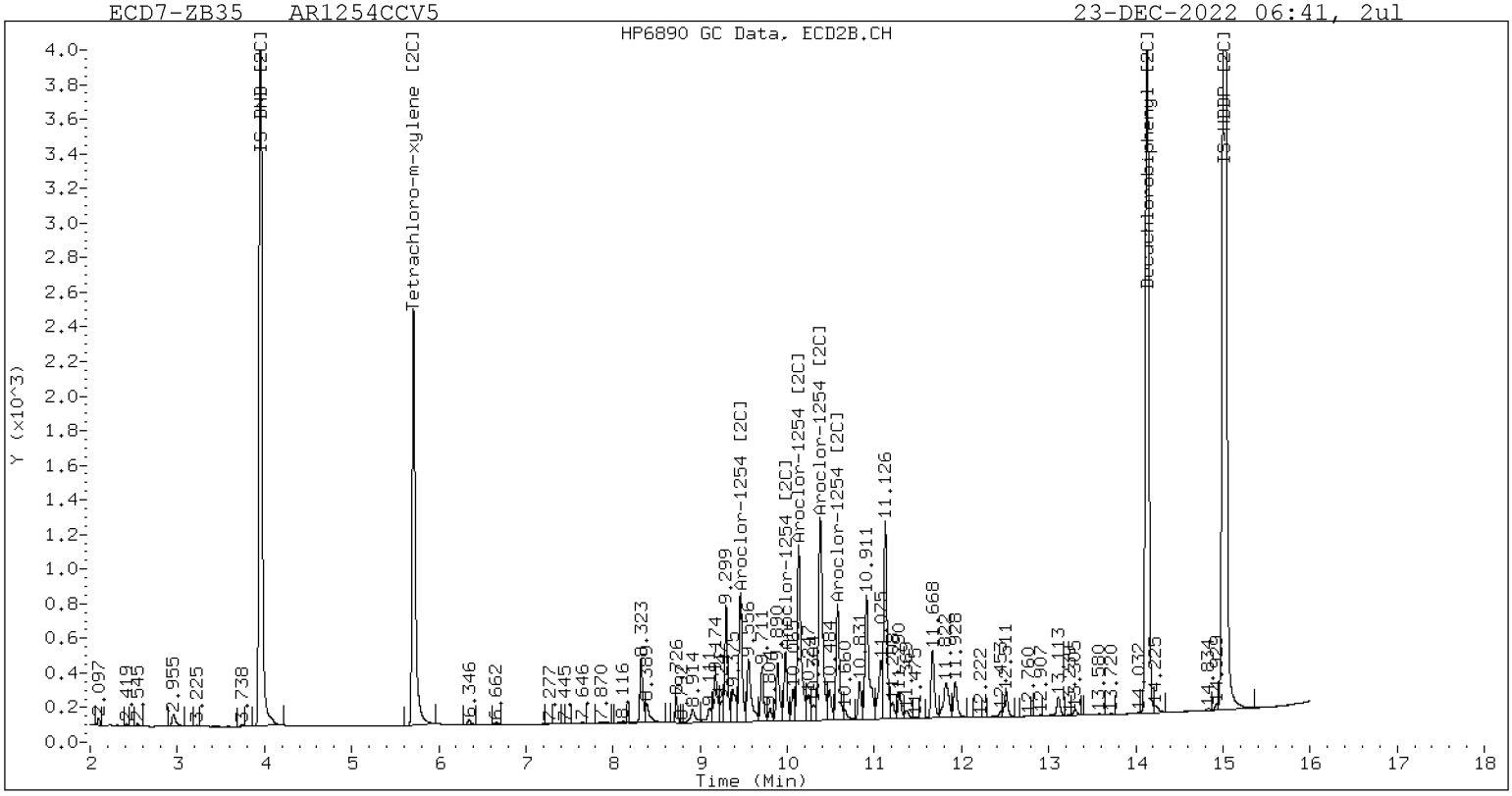
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 23-DEC-2022 06:41, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 23-DEC-2022 06:41, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222244ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV6	Injection Time:	07:03
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	293	0.0441939	0.0509603		17.2	+/-20
Aroclor-1016 (1)	A	250.00	283	0.0266860	0.0301973		13.2	
Aroclor-1016 (2)	A	250.00	281	0.0861572	0.0967508		12.4	
Aroclor-1016 (3)	A	250.00	288	0.0390425	0.0450488		15.2	
Aroclor-1016 (4)	A	250.00	320	0.0248899	0.0318444		28.0	
Aroclor 1016 [2C]	A	250.00	253	0.0467310	0.0454038		1.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0424518		3.6	
Aroclor-1016 (2) [2C]	A	250.00	225	0.0882154	0.0793448		-10.0	
Aroclor-1016 (3) [2C]	A	250.00	250	0.0378846	0.0378603		0.0	
Aroclor-1016 (4) [2C]	A	250.00	276	0.0199212	0.0219584		10.4	
Aroclor 1260	A	250.00	272	0.0390342	0.0423083		9.0	+/-20
Aroclor-1260 (1)	A	250.00	276	0.0291201	0.0321944		10.4	
Aroclor-1260 (2)	A	250.00	275	0.0301181	0.0331732		10.0	
Aroclor-1260 (3)	A	250.00	271	0.0791351	0.0856778		8.4	
Aroclor-1260 (4)	A	250.00	261	0.0403003	0.0420526		4.4	
Aroclor-1260 (5)	A	250.00	279	0.0164974	0.0184436		11.6	
Aroclor 1260 [2C]	A	250.00	207	0.0617619	0.0472300		-17.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	228	0.0422283	0.0384736		-8.8	
Aroclor-1260 (2) [2C]	A	250.00	164	0.1059643	0.0696656		-34.4	
Aroclor-1260 (3) [2C]	A	250.00	247	0.0282173	0.0278401		-1.2	
Aroclor-1260 (4) [2C]	A	250.00	187	0.0706376	0.0529407		-25.2	
Decachlorobiphenyl	A	40.000	44.4	0.7333327	0.8146358		11.0	+/-20
Tetrachlorometaxylene	A	40.000	41.3	1.1336710	1.1716590		3.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.7	1.1358180	1.0980710		-3.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.6	1.0966080	1.1136520		1.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222244ECD7.D
Data file 2: /221222.b/221222.b/12222244ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV6
Client ID:
Injection Date: 23-DEC-2022 07:03
Report Date: 12/27/2022 13:42
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.834	-0.002	206001	5.710	-0.003	113475	41.3	40.6	1.8	Tetrachloro-m-xylene
13.903	-0.004	330279	14.131	-0.006	204266	44.4	38.7	13.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	351640	-21.4
Hexabromobiphenyl	798898	810863	1.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	203789	-18.2
Hexabromobiphenyl	362541	372045	2.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	-0.004	33183	282.9	1	7.274	-0.002	27035	259.5
Aroclor-1016	2	7.676	-0.009	106317	280.7	2	7.872	0.001	50530	224.9
Aroclor-1016	3	7.812	-0.006	49503	288.5	3	8.071	0.000	24111	249.8
Aroclor-1016	4	8.424	-0.006	34993	319.9	4	8.241	-0.000	13984	275.6
Total Col1Ave (4 peaks):					293.0	Total Col2Ave (4 peaks):				252.4 RPD = 15
Corrected Ave (3 peaks):					284.0	Corrected Ave (3 peaks):				244.7 RPD = 15
CalAmt %D:					17.2	CalAmt %D:				1.0
Aroclor-1260	1	11.056	-0.006	81579	276.4	1	11.664	-0.005	44731	227.8
Aroclor-1260	2	11.373	-0.004	84059	275.4	2	11.927	-0.006	80996	164.4
Aroclor-1260	3	11.745	-0.006	217103	270.7	3	12.445	-0.006	32368	246.7
Aroclor-1260	4	12.149	-0.009	106559	260.9	4	12.510	-0.007	61551	187.4
Aroclor-1260	5	12.256	-0.005	46735	279.5	NS	---			----
Total Col1Ave (5 peaks):					272.6	Total Col2Ave (4 peaks):				206.5 RPD = 28
Corrected Ave (4 peaks):					270.8	Corrected Ave (3 peaks):				193.2 RPD = 33
CalAmt %D:					9.0	CalAmt %D:				-17.4

Total PCB Area Col1 (5.936 - 13.808) = 2294378 Col1 Total PCB = 0.7 ppm*

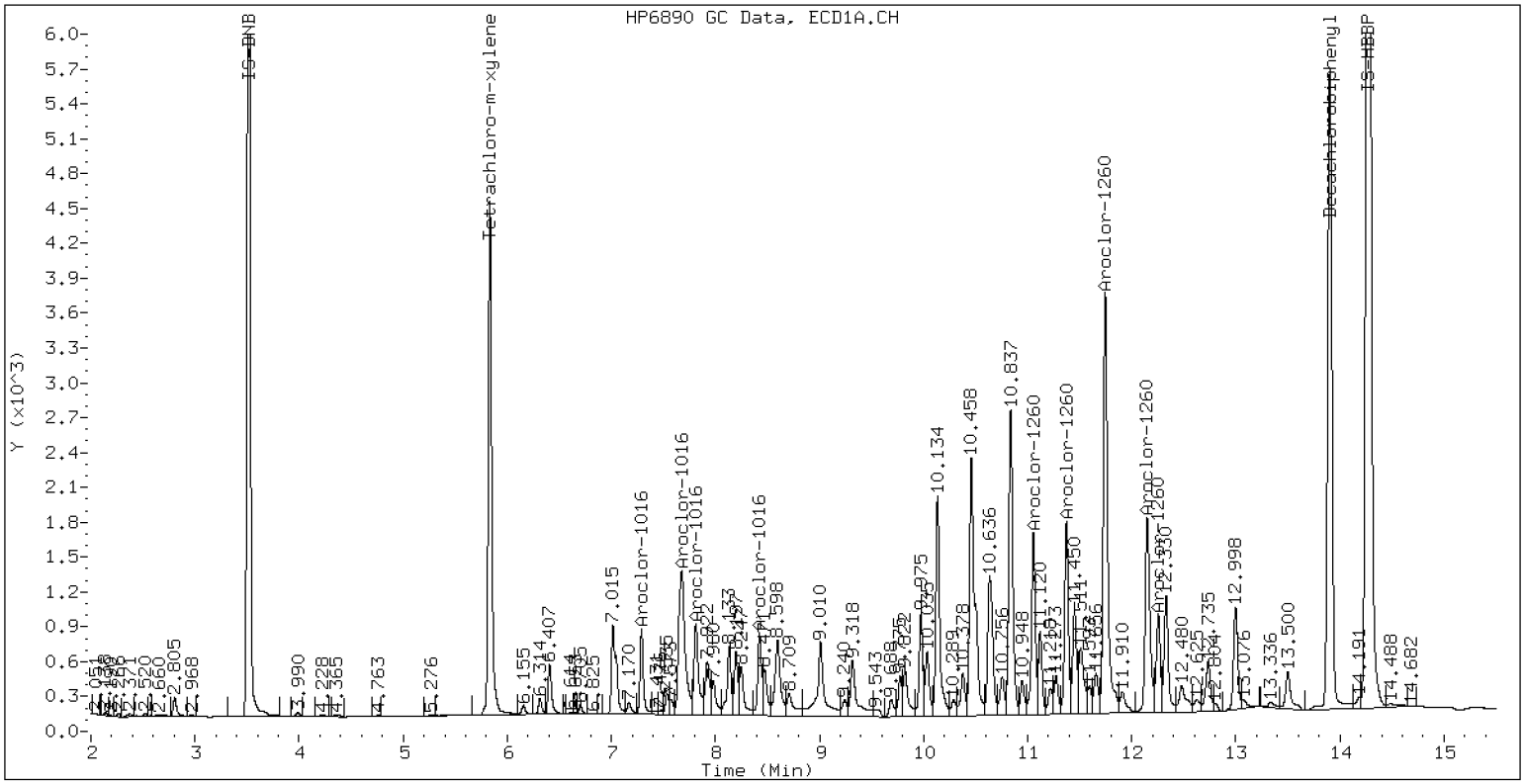
Total PCB Area Col2 (5.813 - 14.037) = 994352 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

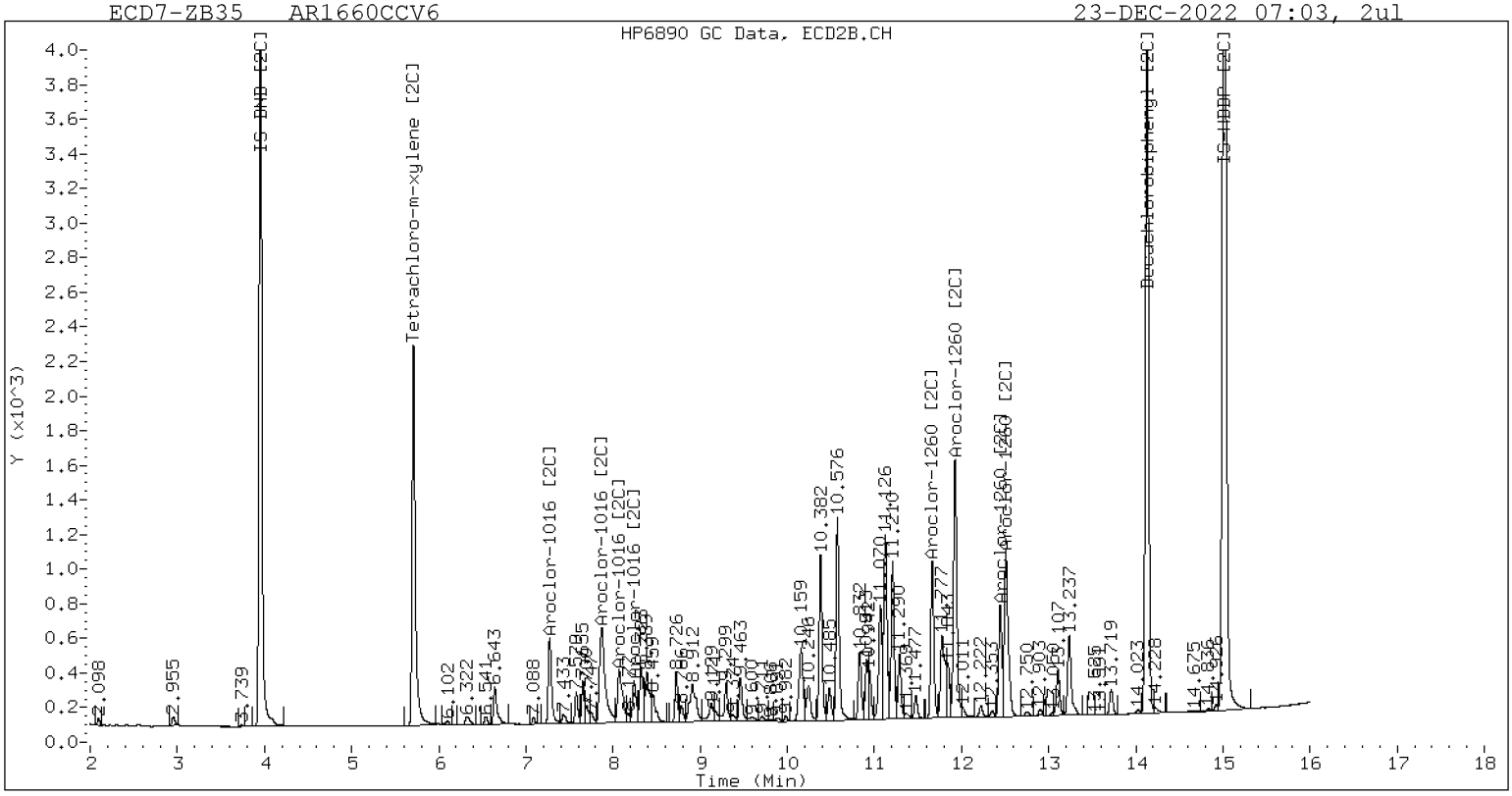
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 23-DEC-2022 07:03, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 23-DEC-2022 07:03, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222258ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV7	Injection Time:	12:00
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	243	0.0490062	0.0470120		-2.9	+/-20
Aroclor-1248 (1)	A	250.00	286		0.0393413			
Aroclor-1248 (2)	A	250.00	297		0.0522476			
Aroclor-1248 (3)	A	250.00	225		0.0711474			
Aroclor-1248 (4)	A	250.00	163		0.0253119			
Aroclor 1248 [2C]	A	250.00	251	0.0394876	0.0401157		0.5	+/-20
Aroclor-1248 (1) [2C]	A	250.00	262		0.0341945			
Aroclor-1248 (2) [2C]	A	250.00	197		0.0270820			
Aroclor-1248 (3) [2C]	A	250.00	279		0.0467063			
Aroclor-1248 (4) [2C]	A	250.00	267		0.0524801			
Decachlorobiphenyl	A	40.000	42.4	0.7333327	0.7780728		6.0	+/-20
Tetrachlorometaxylene	A	40.000	37.5	1.1336710	1.0633570		-6.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.3	1.1358180	1.1438640		0.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.0	1.0966080	1.0430870		-5.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222258ECD7.D
Data file 2: /221222.b/221222.b/12222258ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV7
Client ID:
Injection Date: 23-DEC-2022 12:00
Report Date: 12/27/2022 13:42
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.003	232091	5.710	-0.003	130535	37.5	38.0	1.4	Tetrachloro-m-xylene
13.904	-0.004	320289	14.131	-0.005	225594	42.4	40.3	5.2	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	436525	-2.5
Hexabromobiphenyl	798898	823288	3.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	250286	0.5
Hexabromobiphenyl	362541	394442	8.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.423	-0.004	53667	285.9	1	8.323	-0.003	26745	261.6
Aroclor-1248	2	8.598	-0.006	71273	297.4	2	8.728	-0.005	21182	197.0
Aroclor-1248	3	9.018	-0.005	97055	225.1	3	9.172	-0.005	36531	279.3
Aroclor-1248	4	9.311	-0.001	34529	163.5	4	9.593	-0.009	41047	267.3
Total Col1Ave (4 peaks):					243.0	Total Col2Ave (4 peaks):				251.3 RPD = 3
Corrected Ave (3 peaks):					224.9	Corrected Ave (3 peaks):				241.9 RPD = 7
CalAmt %D:					-2.8	CalAmt %D:				0.5

Total PCB Area Col1 (5.936 - 13.808) = 1139976 Col1 Total PCB = 0.3 ppm*

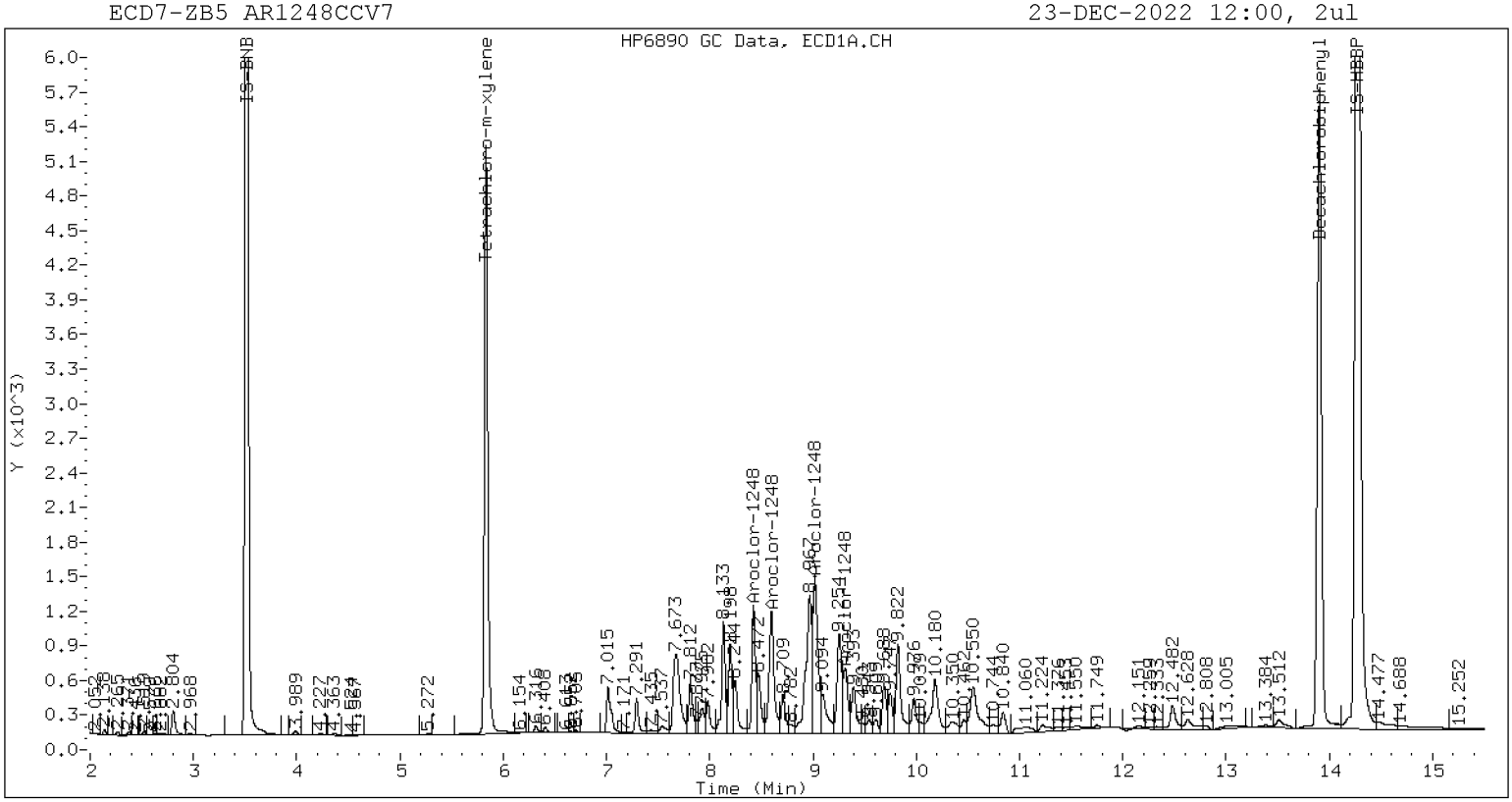
Total PCB Area Col2 (5.813 - 14.037) = 510852 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

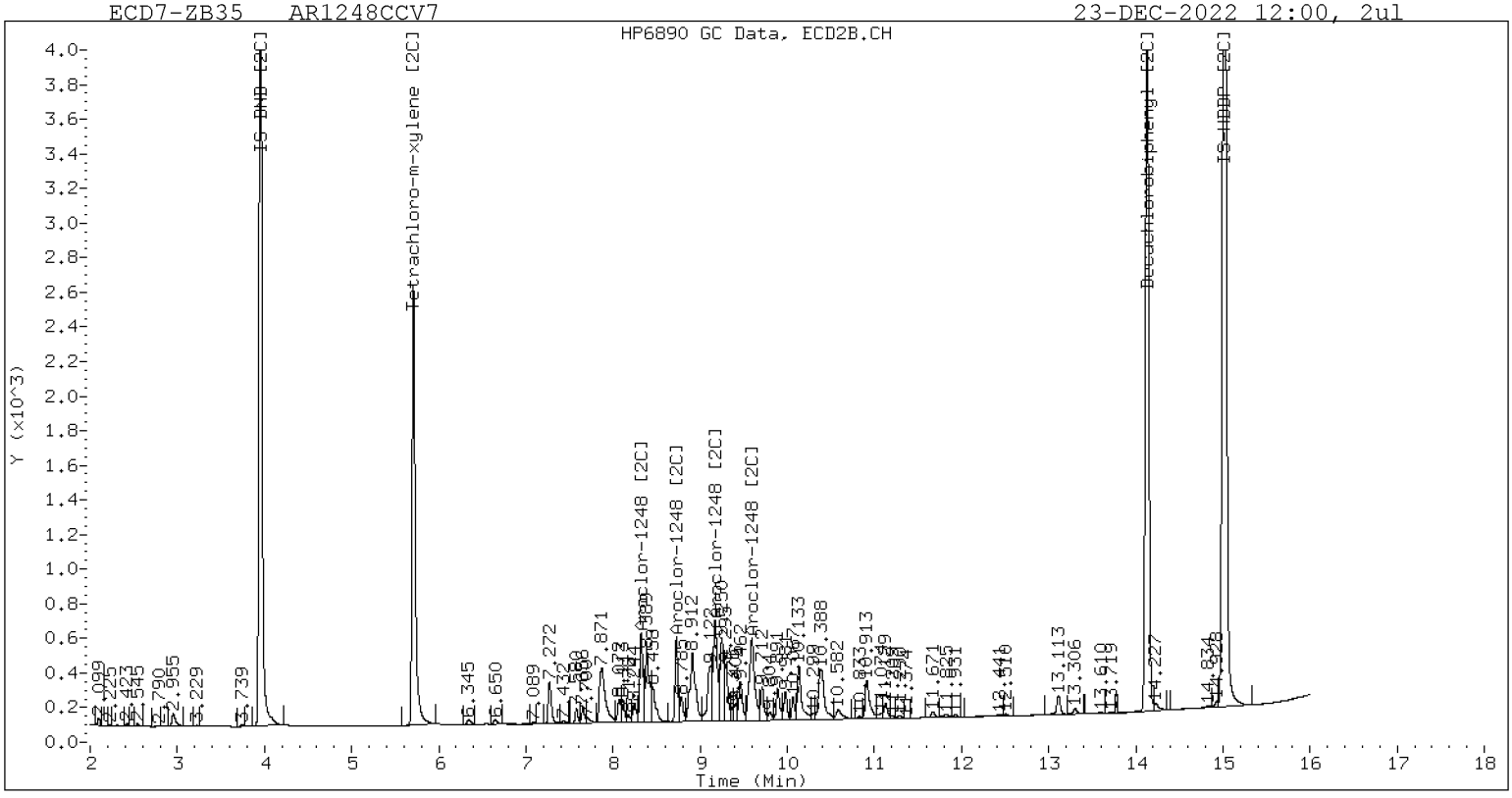
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 23-DEC-2022 12:00, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 23-DEC-2022 12:00, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222259ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV8	Injection Time:	12:21
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	280	0.0441939	0.0488455		12.1	+/-20
Aroclor-1016 (1)	A	250.00	280	0.0266860	0.0299478		12.0	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0930670		8.0	
Aroclor-1016 (3)	A	250.00	274	0.0390425	0.0428138		9.6	
Aroclor-1016 (4)	A	250.00	297	0.0248899	0.0295532		18.8	
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0438405		-2.3	+/-20
Aroclor-1016 (1) [2C]	A	250.00	252	0.0409030	0.0411529		0.8	
Aroclor-1016 (2) [2C]	A	250.00	216	0.0882154	0.0763323		-13.6	
Aroclor-1016 (3) [2C]	A	250.00	241	0.0378846	0.0365283		-3.6	
Aroclor-1016 (4) [2C]	A	250.00	268	0.0199212	0.0213482		7.2	
Aroclor 1260	A	250.00	272	0.0390342	0.0425407		8.6	+/-20
Aroclor-1260 (1)	A	250.00	273	0.0291201	0.0318547		9.2	
Aroclor-1260 (2)	A	250.00	274	0.0301181	0.0329581		9.6	
Aroclor-1260 (3)	A	250.00	274	0.0791351	0.0868147		9.6	
Aroclor-1260 (4)	A	250.00	268	0.0403003	0.0432935		7.2	
Aroclor-1260 (5)	A	250.00	269	0.0164974	0.0177826		7.6	
Aroclor 1260 [2C]	A	250.00	222	0.0617619	0.0509771		-11.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	243	0.0422283	0.0410605		-2.8	
Aroclor-1260 (2) [2C]	A	250.00	182	0.1059643	0.0772297		-27.2	
Aroclor-1260 (3) [2C]	A	250.00	263	0.0282173	0.0296528		5.2	
Aroclor-1260 (4) [2C]	A	250.00	198	0.0706376	0.0559656		-20.8	
Decachlorobiphenyl	A	40.000	45.2	0.7333327	0.8285054		13.0	+/-20
Tetrachlorometaxylene	A	40.000	40.8	1.1336710	1.1554660		2.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.9	1.1358180	1.1340330		-0.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.2	1.0966080	1.1022940		0.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222259ECD7.D
Data file 2: /221222.b/221222.b/12222259ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV8
Client ID:
Injection Date: 23-DEC-2022 12:21
Report Date: 12/27/2022 13:42
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.004	207550	5.709	-0.004	115974	40.8	40.2	1.4	Tetrachloro-m-xylene
13.903	-0.005	298665	14.131	-0.006	197307	45.2	39.9	12.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	359249	-19.7
Hexabromobiphenyl	798898	720973	-9.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	210423	-15.5
Hexabromobiphenyl	362541	347974	-4.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.005	33621	280.6	1	7.272	-0.003	27061	251.5
Aroclor-1016	2	7.675	-0.010	107179	277.0	2	7.870	-0.000	50194	216.3
Aroclor-1016	3	7.811	-0.007	50313	287.0	3	8.070	0.000	24020	241.0
Aroclor-1016	4	8.423	-0.007	35988	322.0	4	8.241	-0.000	14038	267.9
	Total Col1Ave (4 peaks):				291.6	Total Col2Ave (4 peaks):				244.2 RPD = 18
	Corrected Ave (3 peaks):				281.5	Corrected Ave (3 peaks):				236.3 RPD = 17
	CalAmt %D:				16.7	CalAmt %D:				-2.3
Aroclor-1260	1	11.056	-0.006	78150	297.8	1	11.664	-0.005	44650	243.1
Aroclor-1260	2	11.373	-0.005	80048	294.9	2	11.927	-0.006	83981	182.2
Aroclor-1260	3	11.746	-0.006	207424	290.8	3	12.446	-0.006	32245	262.7
Aroclor-1260	4	12.149	-0.009	104449	287.6	4	12.510	-0.007	60858	198.1
Aroclor-1260	5	12.257	-0.005	45866	308.5	NS	---			----
	Total Col1Ave (5 peaks):				295.9	Total Col2Ave (4 peaks):				221.5 RPD = 29
	Corrected Ave (4 peaks):				292.8	Corrected Ave (3 peaks):				207.8 RPD = 34
	CalAmt %D:				18.4	CalAmt %D:				-11.4

Total PCB Area Col1 (5.936 - 13.808) = 2268805 Col1 Total PCB = 0.7 ppm*

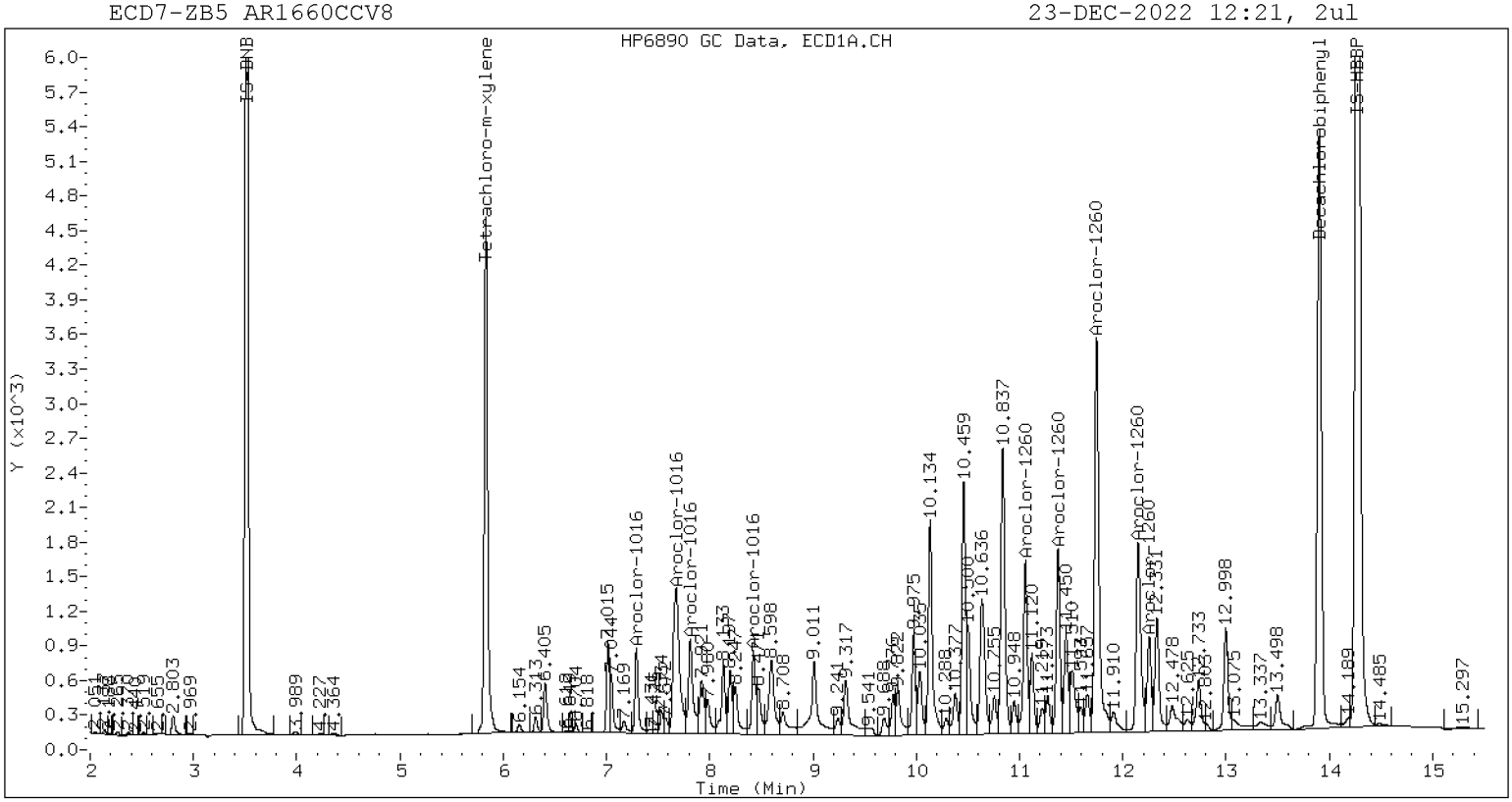
Total PCB Area Col2 (5.813 - 14.037) = 997020 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

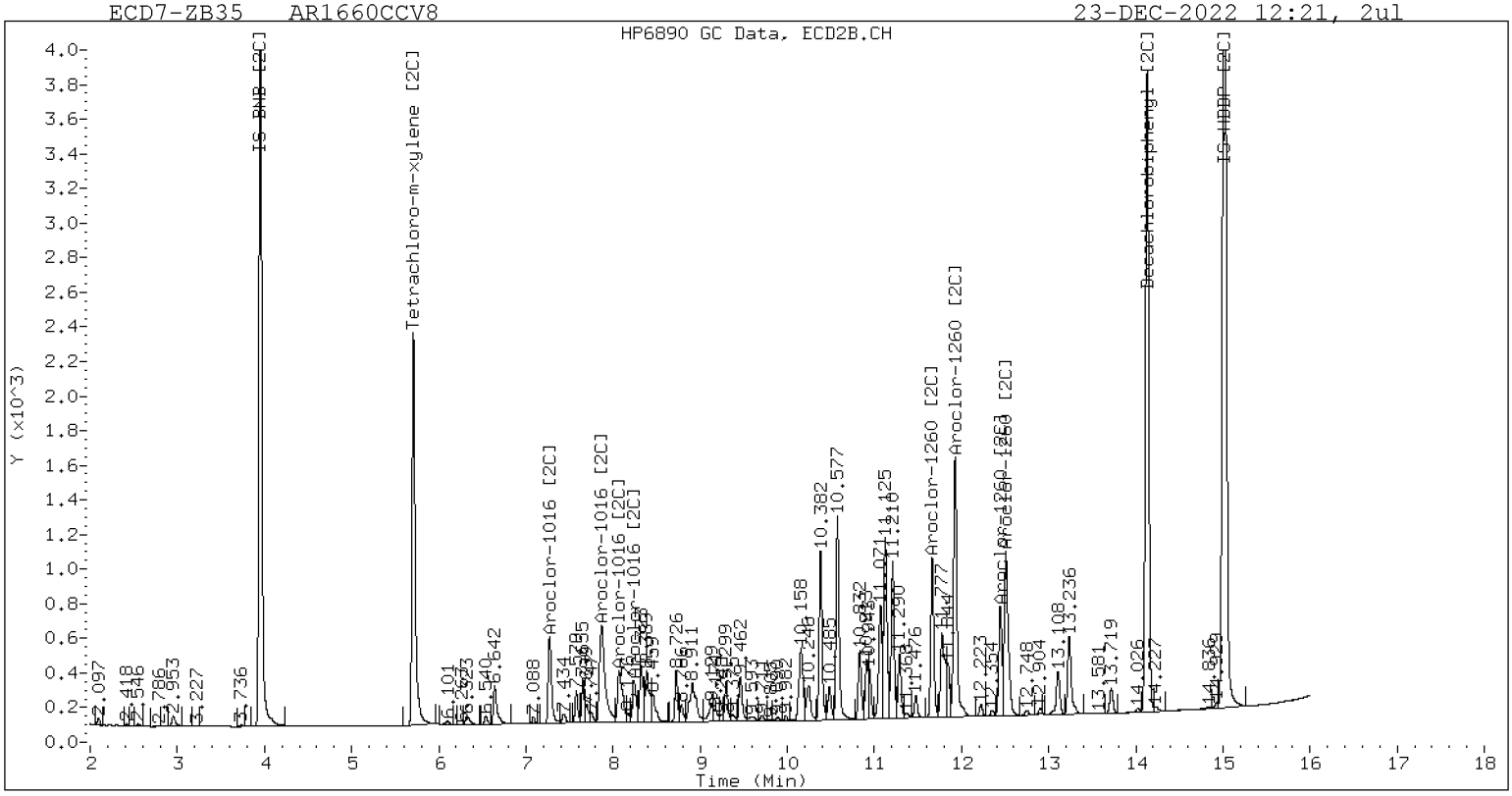
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 23-DEC-2022 12:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 23-DEC-2022 12:21, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222265ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCV9	Injection Time:	14:28
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	268	0.0396000	0.0426132		7.3	+/-20
Aroclor-1242 (1)	A	250.00	255		0.0231493			
Aroclor-1242 (2)	A	250.00	264		0.0759639			
Aroclor-1242 (3)	A	250.00	269		0.0223013			
Aroclor-1242 (4)	A	250.00	285		0.0490384			
Aroclor 1242 [2C]	A	250.00	258	0.0391981	0.0379624		3.3	+/-20
Aroclor-1242 (1) [2C]	A	250.00	257		0.0348192			
Aroclor-1242 (2) [2C]	A	250.00	204		0.0586845			
Aroclor-1242 (3) [2C]	A	250.00	289		0.0267776			
Aroclor-1242 (4) [2C]	A	250.00	283		0.0315683			
Decachlorobiphenyl	A	40.000	44.1	0.7333327	0.8082316		10.3	+/-20
Tetrachlorometaxylene	A	40.000	38.2	1.1336710	1.0824910		-4.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1367710		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.7	1.0966080	1.0608240		-3.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222265ECD7.D
Data file 2: /221222.b/221222.b/12222265ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV9
Client ID:
Injection Date: 23-DEC-2022 14:28
Report Date: 12/28/2022 12:13
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.000	236305	5.710	0.000	134809	38.2	38.7	1.3	Tetrachloro-m-xylene
13.904	-0.000	382258	14.130	0.000	233777	44.1	40.0	9.6	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	436595	-2.5
Hexabromobiphenyl	798898	945912	18.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	254159	2.0
Hexabromobiphenyl	362541	411300	13.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.290	-0.005	31584	255.2	1	7.273	-0.004	27655	257.1
Aroclor-1242	2	7.675	-0.010	103642	263.8	2	7.871	-0.003	46610	204.1
Aroclor-1242	3	8.423	-0.007	30427	269.1	3	9.170	-0.008	21268	288.7
Aroclor-1242	4	9.023	-0.008	66906	285.0	4	9.591	-0.014	25073	283.2
Total Col1Ave (4 peaks):					268.3	Total Col2Ave (4 peaks):				258.3 RPD = 4
Corrected Ave (3 peaks):					262.7	Corrected Ave (3 peaks):				248.1 RPD = 6
CalAmt %D:					7.3	CalAmt %D:				3.3

Total PCB Area Col1 (5.933 - 13.804) = 1006888 Col1 Total PCB = 0.2 ppm*

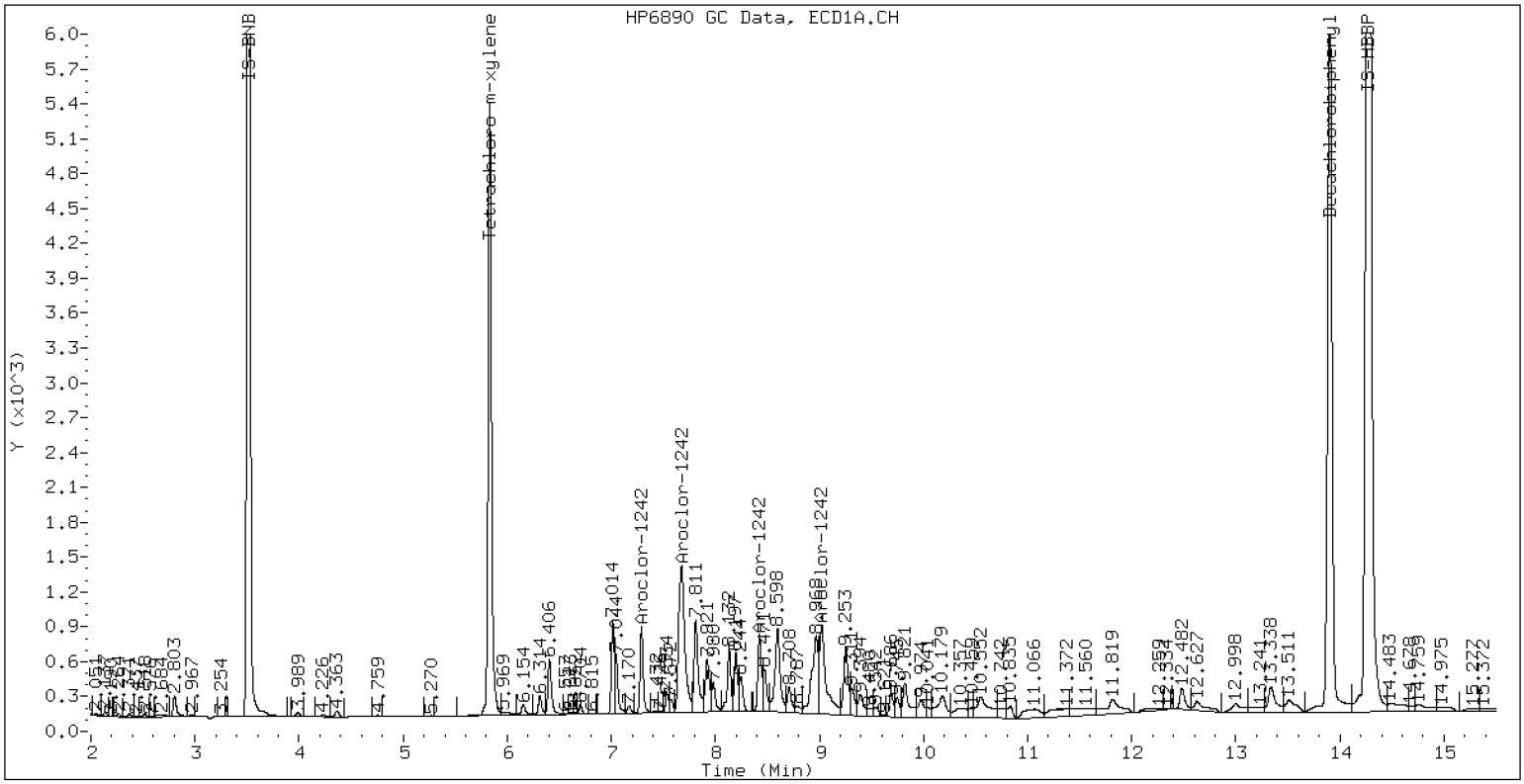
Total PCB Area Col2 (5.810 - 14.030) = 406750 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

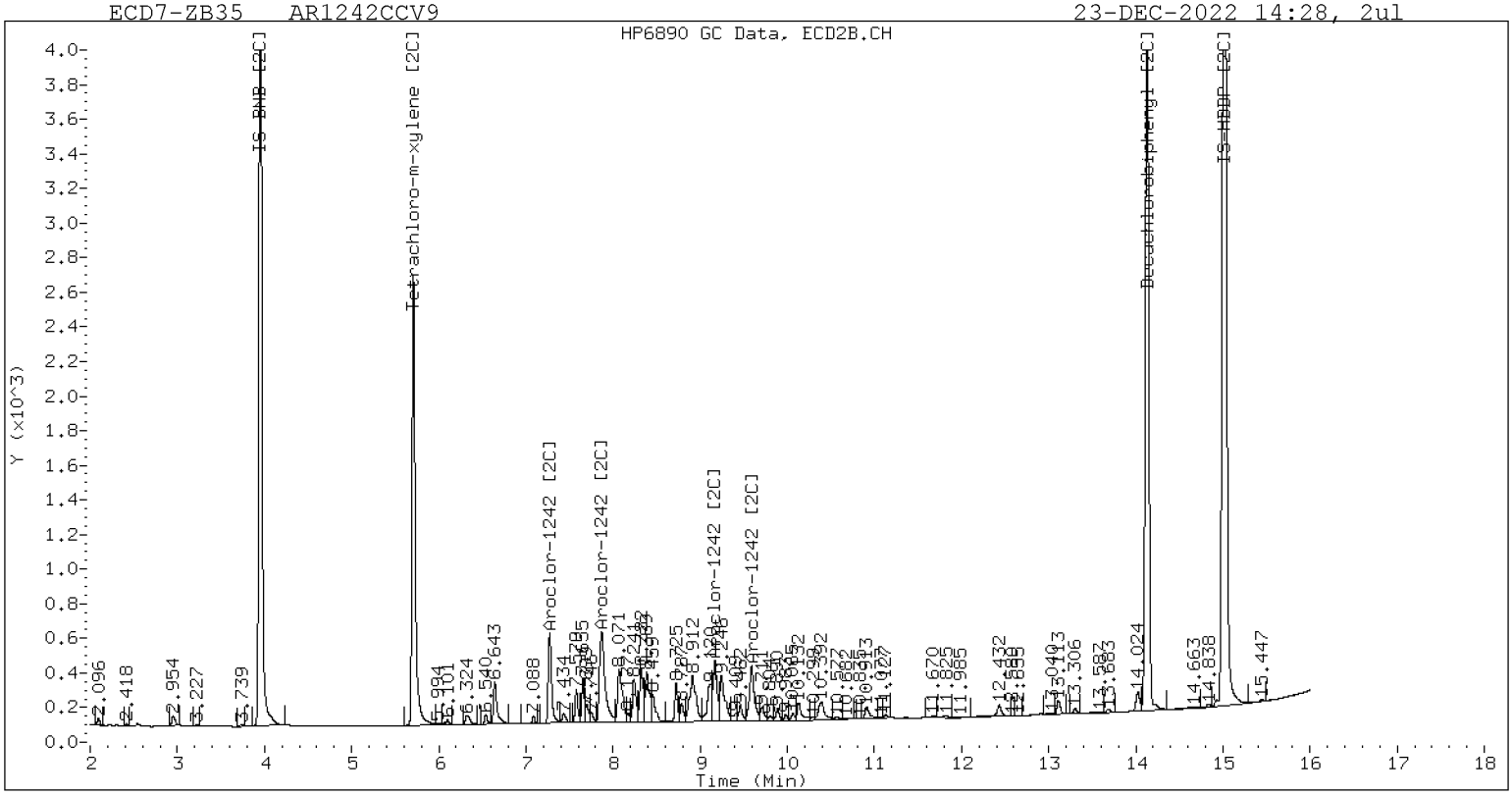
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 23-DEC-2022 14:28, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV9 23-DEC-2022 14:28, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12222266ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0330	Injection Date:	12/23/22
Lab Sample ID:	SKL0330-CCVA	Injection Time:	14:49
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	272	0.0441939	0.0476456		8.8	+/-20
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291093		9.2	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0915408		6.4	
Aroclor-1016 (3)	A	250.00	269	0.0390425	0.0420076		7.6	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0279248		12.0	
Aroclor 1016 [2C]	A	250.00	249	0.0467310	0.0447904		-0.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0424111		3.6	
Aroclor-1016 (2) [2C]	A	250.00	220	0.0882154	0.0777926		-12.0	
Aroclor-1016 (3) [2C]	A	250.00	246	0.0378846	0.0373563		-1.6	
Aroclor-1016 (4) [2C]	A	250.00	271	0.0199212	0.0216017		8.4	
Aroclor 1260	A	250.00	267	0.0390342	0.0418714		6.7	+/-20
Aroclor-1260 (1)	A	250.00	266	0.0291201	0.0310297		6.4	
Aroclor-1260 (2)	A	250.00	270	0.0301181	0.0325474		8.0	
Aroclor-1260 (3)	A	250.00	272	0.0791351	0.0860672		8.8	
Aroclor-1260 (4)	A	250.00	263	0.0403003	0.0423427		5.2	
Aroclor-1260 (5)	A	250.00	263	0.0164974	0.0173700		5.2	
Aroclor 1260 [2C]	A	250.00	214	0.0617619	0.0492804		-14.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	237	0.0422283	0.0400067		-5.2	
Aroclor-1260 (2) [2C]	A	250.00	176	0.1059643	0.0744548		-29.6	
Aroclor-1260 (3) [2C]	A	250.00	253	0.0282173	0.0286042		1.2	
Aroclor-1260 (4) [2C]	A	250.00	191	0.0706376	0.0540557		-23.6	
Decachlorobiphenyl	A	40.000	48.1	0.7333327	0.8825153		20.3	+/-20
Tetrachlorometaxylene	A	40.000	41.5	1.1336710	1.1757650		3.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.3	1.1358180	1.1436100		0.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.9	1.0966080	1.1216670		2.3	+/-20

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221222.b/12222266ECD7.D
Data file 2: /221222.b/221222.b/12222266ECD7.D
Method: \\target\share\chem4\ecd7.i\221222.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVA
Client ID:
Injection Date: 23-DEC-2022 14:49
Report Date: 12/29/2022 09:46
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	0.000	213131	5.709	-0.000	118231	41.5	40.9	1.4	Tetrachloro-m-xylene
13.903	0.000	333529	14.130	-0.000	204585	48.1	40.3	17.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	362540	-19.0
Hexabromobiphenyl	798898	755860	-5.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	210813	-15.4
Hexabromobiphenyl	362541	357788	-1.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.000	32979	272.7	1	7.273	-0.002	27940	259.2
Aroclor-1016	2	7.676	0.000	103710	265.6	2	7.871	0.001	51249	220.5
Aroclor-1016	3	7.812	0.000	47592	269.0	3	8.071	0.000	24610	246.5
Aroclor-1016	4	8.423	0.000	31637	280.5	4	8.241	-0.000	14231	271.1
Total Col1Ave (4 peaks):					271.9	Total Col2Ave (4 peaks):				249.3 RPD = 9
Corrected Ave (3 peaks):					269.1	Corrected Ave (3 peaks):				242.1 RPD = 11
CalAmt %D:					8.8	CalAmt %D:				-0.3
Aroclor-1260	1	11.056	0.000	73294	266.4	1	11.665	-0.004	44731	236.8
Aroclor-1260	2	11.374	0.000	76879	270.2	2	11.927	-0.006	83247	175.7
Aroclor-1260	3	11.745	0.000	203296	271.9	3	12.445	-0.006	31982	253.4
Aroclor-1260	4	12.149	0.000	100016	262.7	4	12.510	-0.006	60439	191.3
Aroclor-1260	5	12.257	0.000	41029	263.2	NS	---			----
Total Col1Ave (5 peaks):					266.9	Total Col2Ave (4 peaks):				214.3 RPD = 22
Corrected Ave (4 peaks):					265.6	Corrected Ave (3 peaks):				201.3 RPD = 28
CalAmt %D:					6.7	CalAmt %D:				-14.3

Total PCB Area Col1 (5.932 - 13.803) = 1990195 Col1 Total PCB = 0.6 ppm*

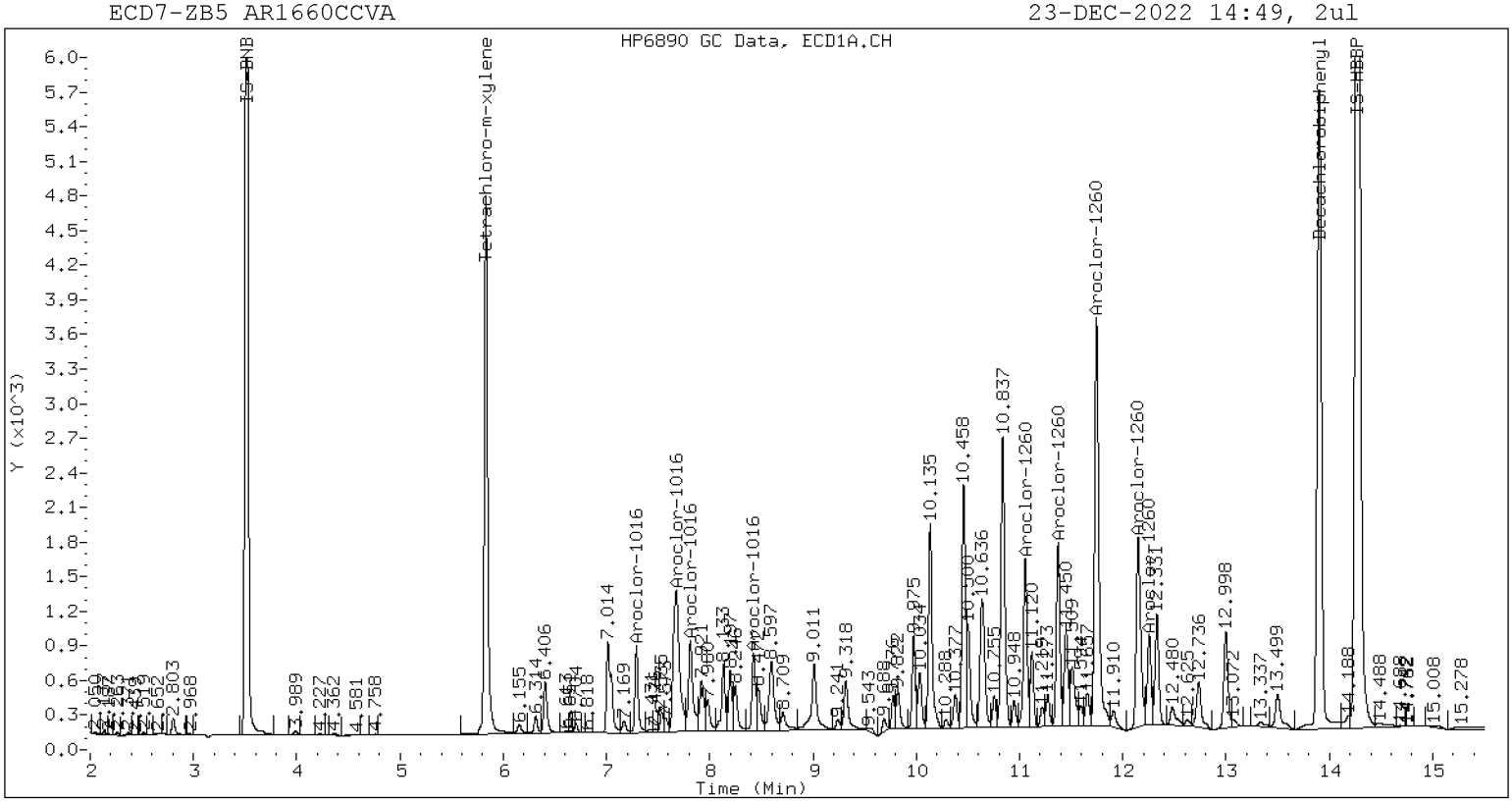
Total PCB Area Col2 (5.810 - 14.030) = 996234 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

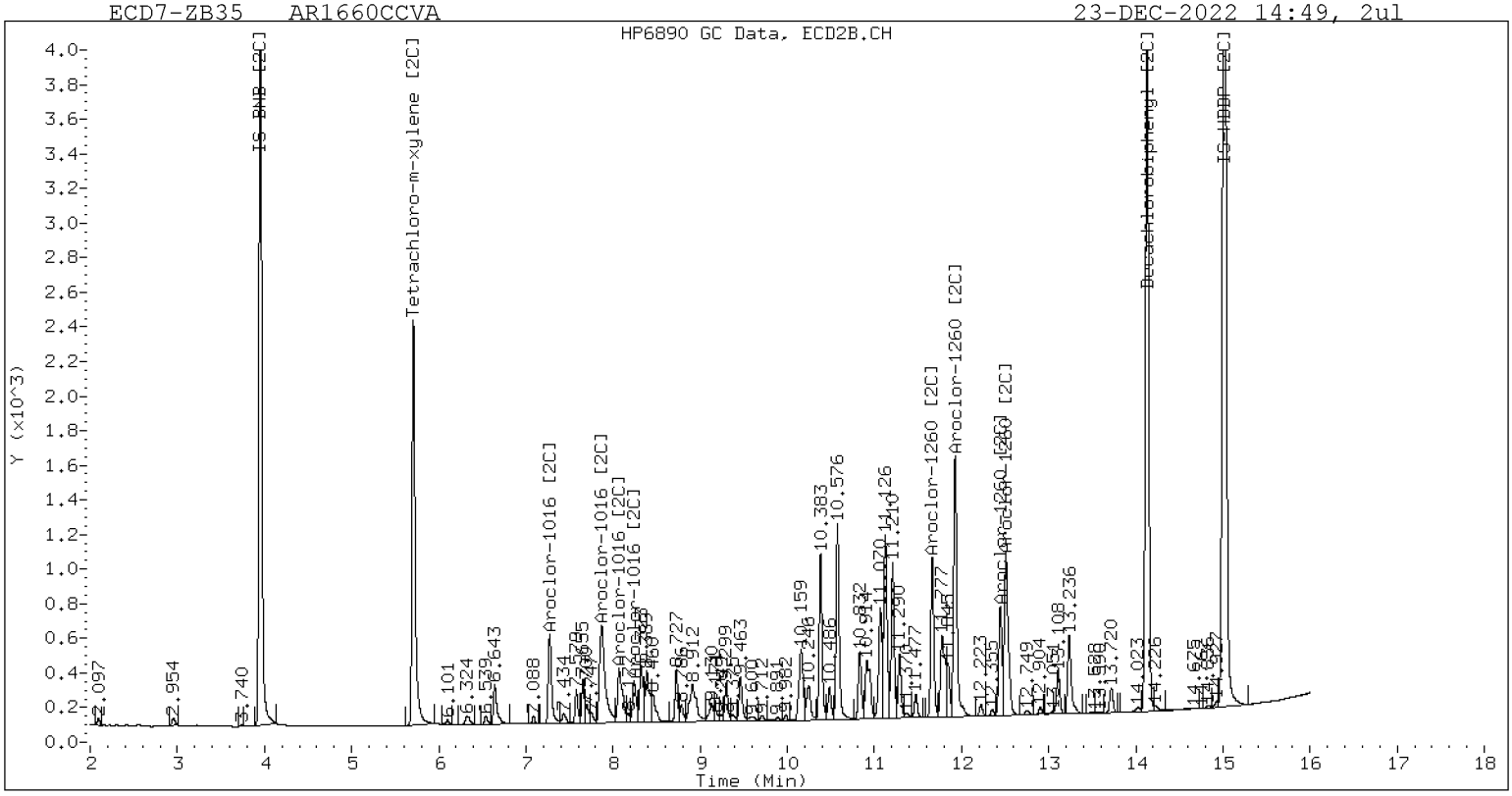
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 23-DEC-2022 14:49, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1660CCVA 23-DEC-2022 14:49, 2ul

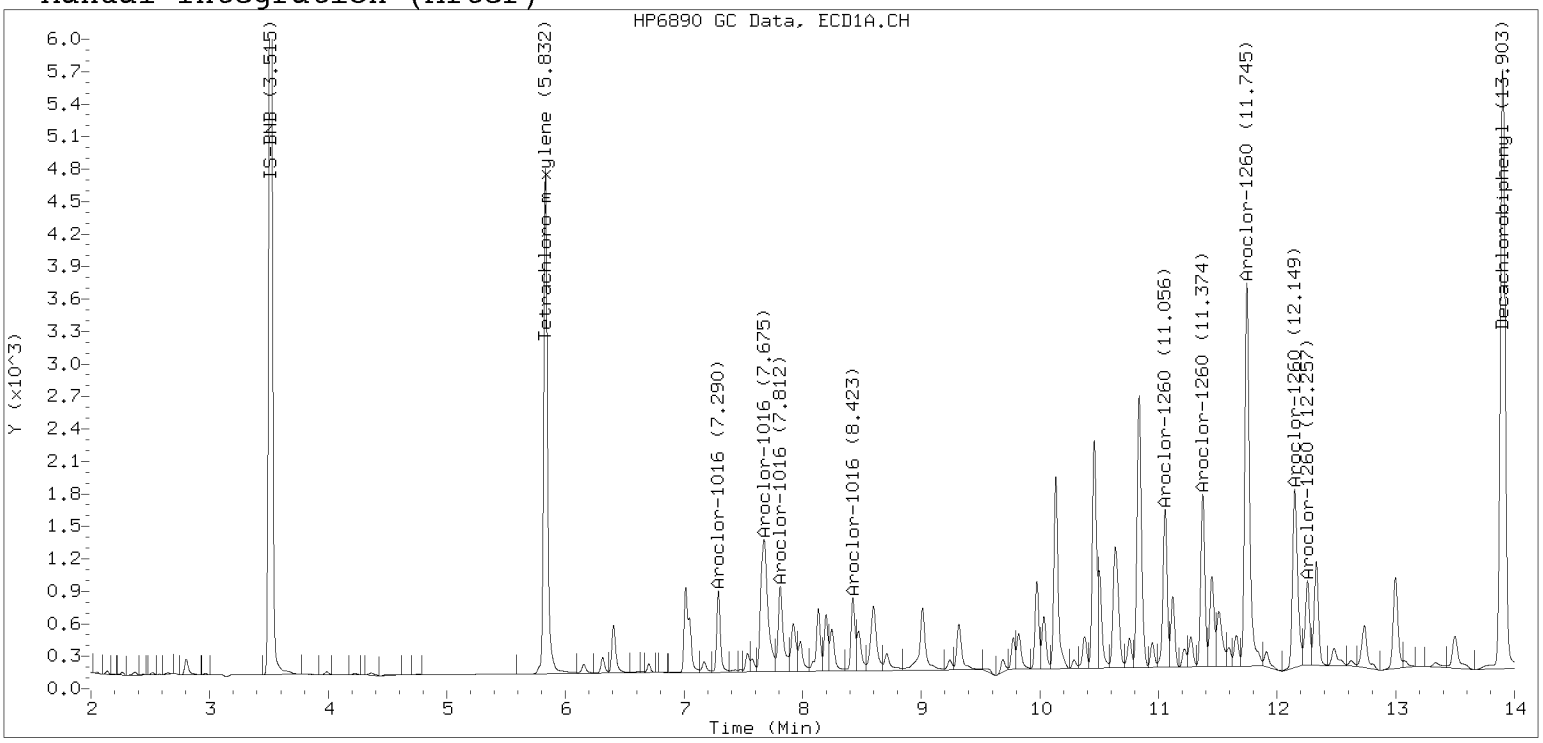


ZB-35 Manual Integration: NO

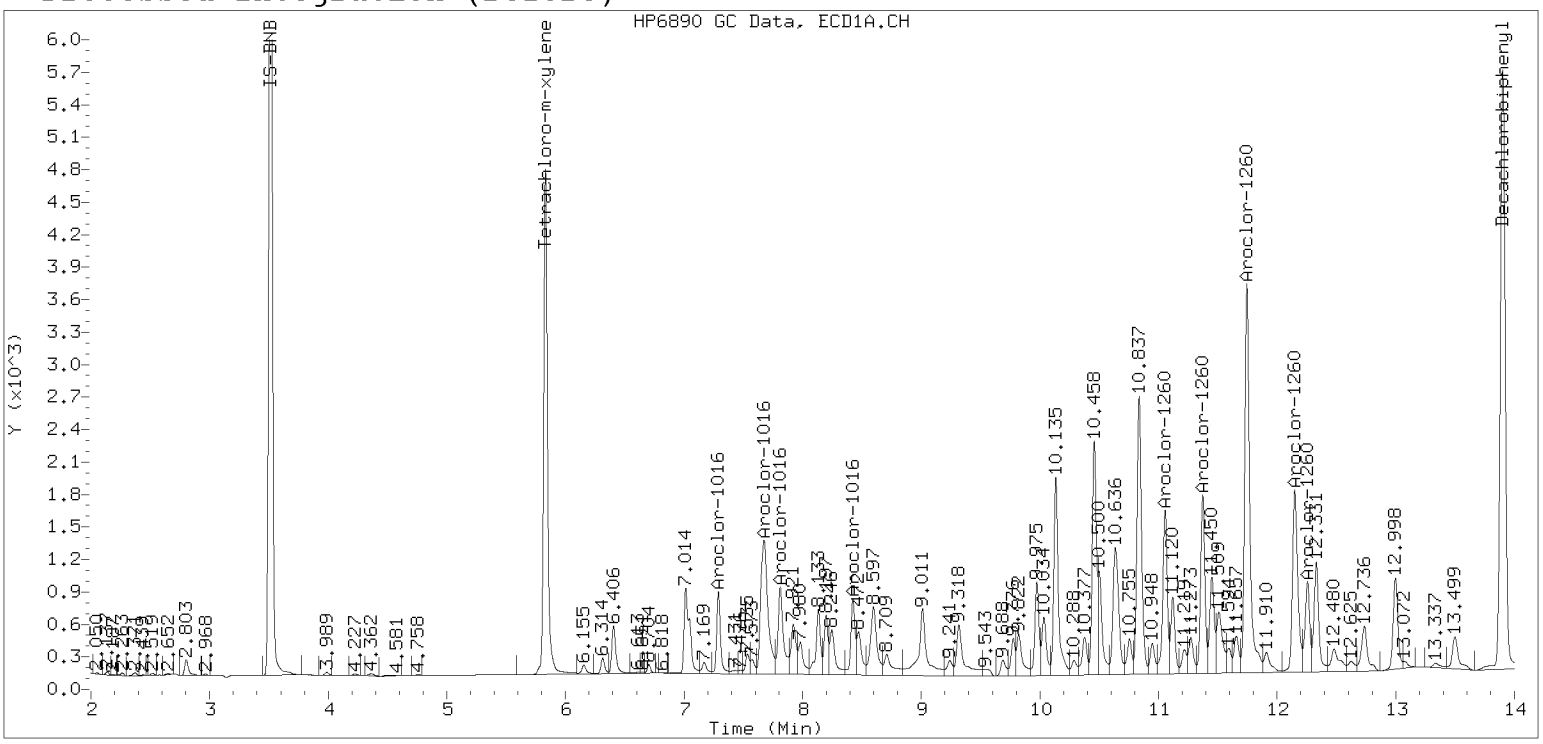
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221222.b/12222266ECD7.D Injection Date: 23-DEC-2022 14:49

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052331ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/05/23
Lab Sample ID:	SLA0096-CCV3	Injection Time:	22:56
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	291	0.0396000	0.0450782		16.3	+/-20
Aroclor-1242 (1)	A	250.00	275		0.0249733			
Aroclor-1242 (2)	A	250.00	270		0.0778022			
Aroclor-1242 (3)	A	250.00	323		0.0267476			
Aroclor-1242 (4)	A	250.00	295		0.0507896			
Aroclor 1242 [2C]	A	250.00	252	0.0391981	0.0366339		0.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	250		0.0338878			
Aroclor-1242 (2) [2C]	A	250.00	191		0.0548643			
Aroclor-1242 (3) [2C]	A	250.00	278		0.0258004			
Aroclor-1242 (4) [2C]	A	250.00	287		0.0319832			
Decachlorobiphenyl	A	40.000	43.1	0.7333327	0.7894548		7.8	+/-20
Tetrachlorometaxylene	A	40.000	37.5	1.1336710	1.0635780		-6.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1369330		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.9	1.0966080	1.0403430		-5.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052331ECD7.D
Data file 2: /230105.b/230105.b/01052331ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV3
Client ID:
Injection Date: 05-JAN-2023 22:56
Report Date: 01/10/2023 11:52
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	163724	5.707	-0.003	113181	37.5	37.9	1.1	Tetrachloro-m-xylene
13.903	-0.001	171393	14.127	-0.000	167805	43.1	40.0	7.3	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	307874	-31.2
Hexabromobiphenyl	798898	434206	-45.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	217584	-12.6
Hexabromobiphenyl	362541	295189	-18.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	7.289	-0.006	24027	275.3	1	7.271	0.001	23042	250.2
Aroclor-1242	2	7.676	-0.009	74854	270.2	2	7.871	0.000	37305	190.8
Aroclor-1242	3	8.422	-0.007	25734	322.8	3	9.169	-0.003	17543	278.2
Aroclor-1242	4	9.021	-0.010	48865	295.2	4	9.590	-0.002	21747	286.9
Total Col1Ave (4 peaks):					290.9	Total Col2Ave (4 peaks):				251.5 RPD = 15
Corrected Ave (3 peaks):					280.2	Corrected Ave (3 peaks):				239.7 RPD = 16
CalAmt %D:					16.4	CalAmt %D:				0.6

Total PCB Area Col1 (5.933 - 13.804) = 715283 Col1 Total PCB = 0.2 ppm*

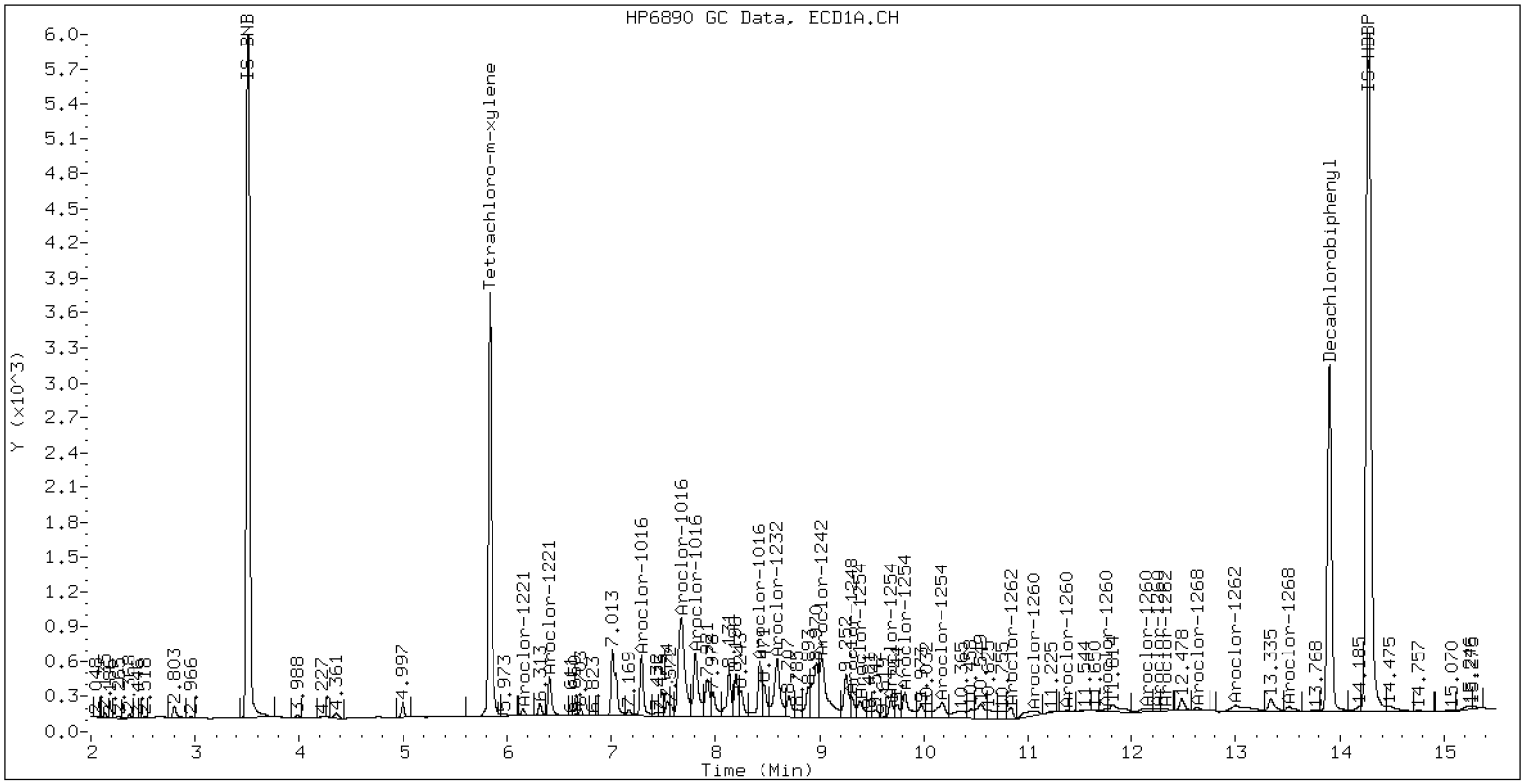
Total PCB Area Col2 (5.810 - 14.028) = 360103 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

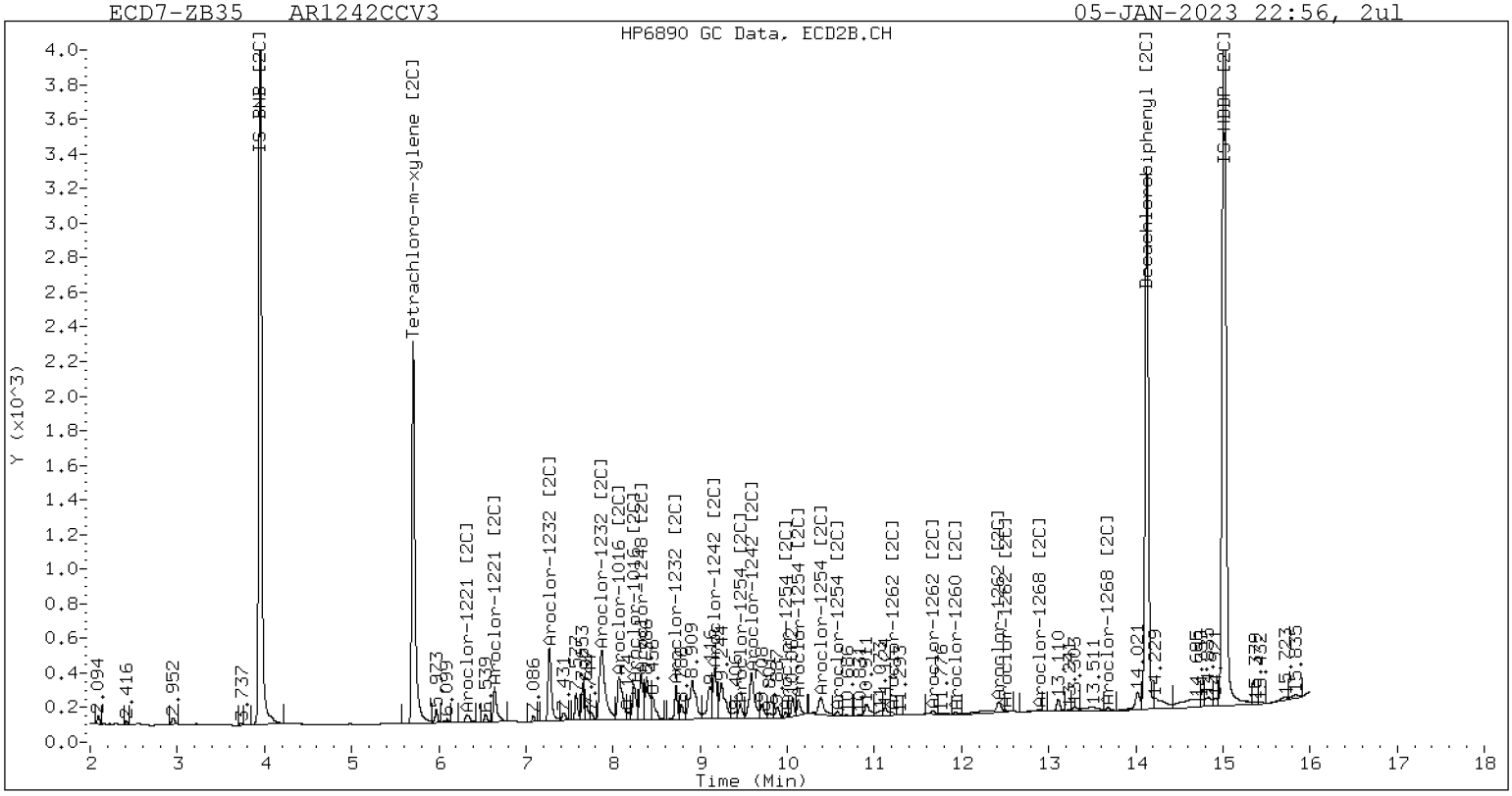
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 05-JAN-2023 22:56, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV3 05-JAN-2023 22:56, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052332ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/05/23
Lab Sample ID:	SLA0096-CCV4	Injection Time:	23:17
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	261	0.0441939	0.0458625		4.3	+/-20	
Aroclor-1016 (1)	A	250.00	263	0.0266860	0.0281223		5.2		
Aroclor-1016 (2)	A	250.00	255	0.0861572	0.0879929		2.0		
Aroclor-1016 (3)	A	250.00	266	0.0390425	0.0415352		6.4		
Aroclor-1016 (4)	A	250.00	259	0.0248899	0.0257998		3.6		
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0422703		-3.9	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0414171		1.2		
Aroclor-1016 (2) [2C]	A	250.00	196	0.0882154	0.0692220		-21.6		
Aroclor-1016 (3) [2C]	A	250.00	246	0.0378846	0.0372252		-1.6		
Aroclor-1016 (4) [2C]	A	250.00	266	0.0199212	0.0212170		6.4		
Aroclor 1260	A	250.00	342	0.0390342	0.0529682		36.6	+/-20	*
Aroclor-1260 (1)	A	250.00	351	0.0291201	0.0409381		40.4		
Aroclor-1260 (2)	A	250.00	344	0.0301181	0.0415128		37.6		
Aroclor-1260 (3)	A	250.00	337	0.0791351	0.1067779		34.8		
Aroclor-1260 (4)	A	250.00	326	0.0403003	0.0525313		30.4		
Aroclor-1260 (5)	A	250.00	350	0.0164974	0.0230812		40.0		
Aroclor 1260 [2C]	A	250.00	225	0.0617619	0.0512601		-10.0	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	259	0.0422283	0.0436993		3.6		
Aroclor-1260 (2) [2C]	A	250.00	179	0.1059643	0.0759951		-28.4		
Aroclor-1260 (3) [2C]	A	250.00	266	0.0282173	0.0299846		6.4		
Aroclor-1260 (4) [2C]	A	250.00	196	0.0706376	0.0553614		-21.6		
Decachlorobiphenyl	A	40.000	48.6	0.7333327	0.8906966		21.5	+/-20	
Tetrachlorometaxylene	A	40.000	39.5	1.1336710	1.1189950		-1.3	+/-20	
Decachlorobiphenyl [2C]	A	40.000	40.9	1.1358180	1.1621200		2.3	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1047020		0.8	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052332ECD7.D
Data file 2: /230105.b/230105.b/01052332ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV4
Client ID:
Injection Date: 05-JAN-2023 23:17
Report Date: 01/10/2023 11:52
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	132282	5.708	-0.002	90738	39.5	40.3	2.0	Tetrachloro-m-xylene
13.902	-0.002	180285	14.128	0.000	150924	48.6	40.9	17.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	236430	-47.2
Hexabromobiphenyl	798898	404818	-49.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	164276	-34.1
Hexabromobiphenyl	362541	259739	-28.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.001	20778	263.5	1	7.271	-0.001	21262	253.1
Aroclor-1016	2	7.677	-0.003	65013	255.3	2	7.871	-0.001	35536	196.2
Aroclor-1016	3	7.811	-0.001	30688	266.0	3	8.070	-0.002	19110	245.6
Aroclor-1016	4	8.423	-0.001	19062	259.1	4	8.241	-0.001	10892	266.3
Total Col1Ave (4 peaks):					261.0	Total Col2Ave (4 peaks):				240.3 RPD = 8
Corrected Ave (3 peaks):					259.3	Corrected Ave (3 peaks):				231.7 RPD = 11
CalAmt %D:					4.4	CalAmt %D:				-3.9
Aroclor-1260	1	11.055	-0.001	51789	351.5	1	11.662	-0.000	35470	258.7
Aroclor-1260	2	11.371	-0.001	52516	344.6	2	11.925	-0.001	61684	179.3
Aroclor-1260	3	11.745	-0.001	135080	337.3	3	12.444	0.000	24338	265.7
Aroclor-1260	4	12.149	-0.001	66455	325.9	4	12.509	0.001	44936	195.9
Aroclor-1260	5	12.254	-0.002	29199	349.8	NS	---			----
Total Col1Ave (5 peaks):					341.8	Total Col2Ave (4 peaks):				224.9 RPD = 41*
Corrected Ave (4 peaks):					339.4	Corrected Ave (3 peaks):				211.3 RPD = 47*
CalAmt %D:					36.7	CalAmt %D:				-10.0

Total PCB Area Col1 (5.933 - 13.804) = 1407369 Col1 Total PCB = 0.6 ppm*

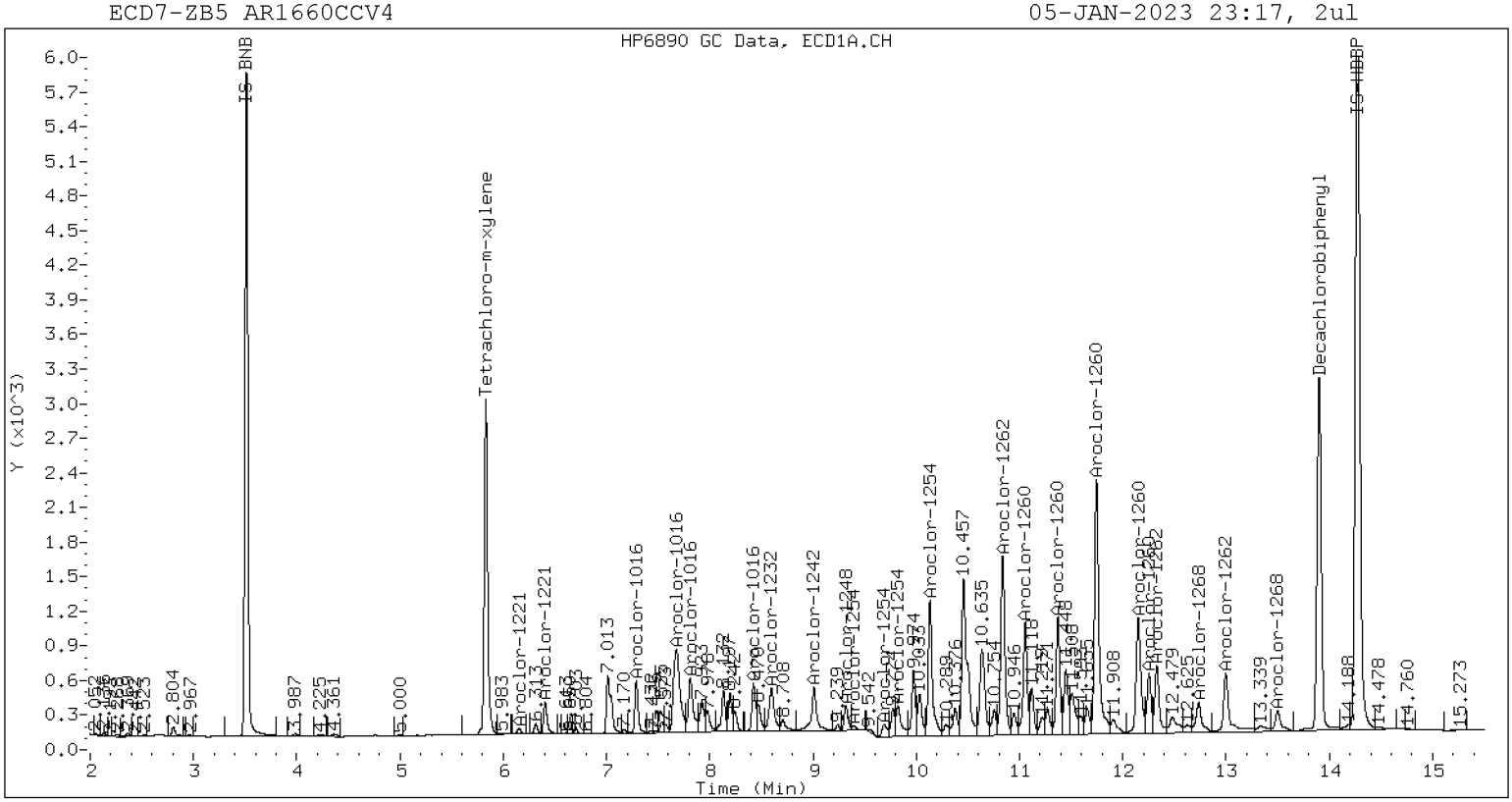
Total PCB Area Col2 (5.810 - 14.028) = 760963 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

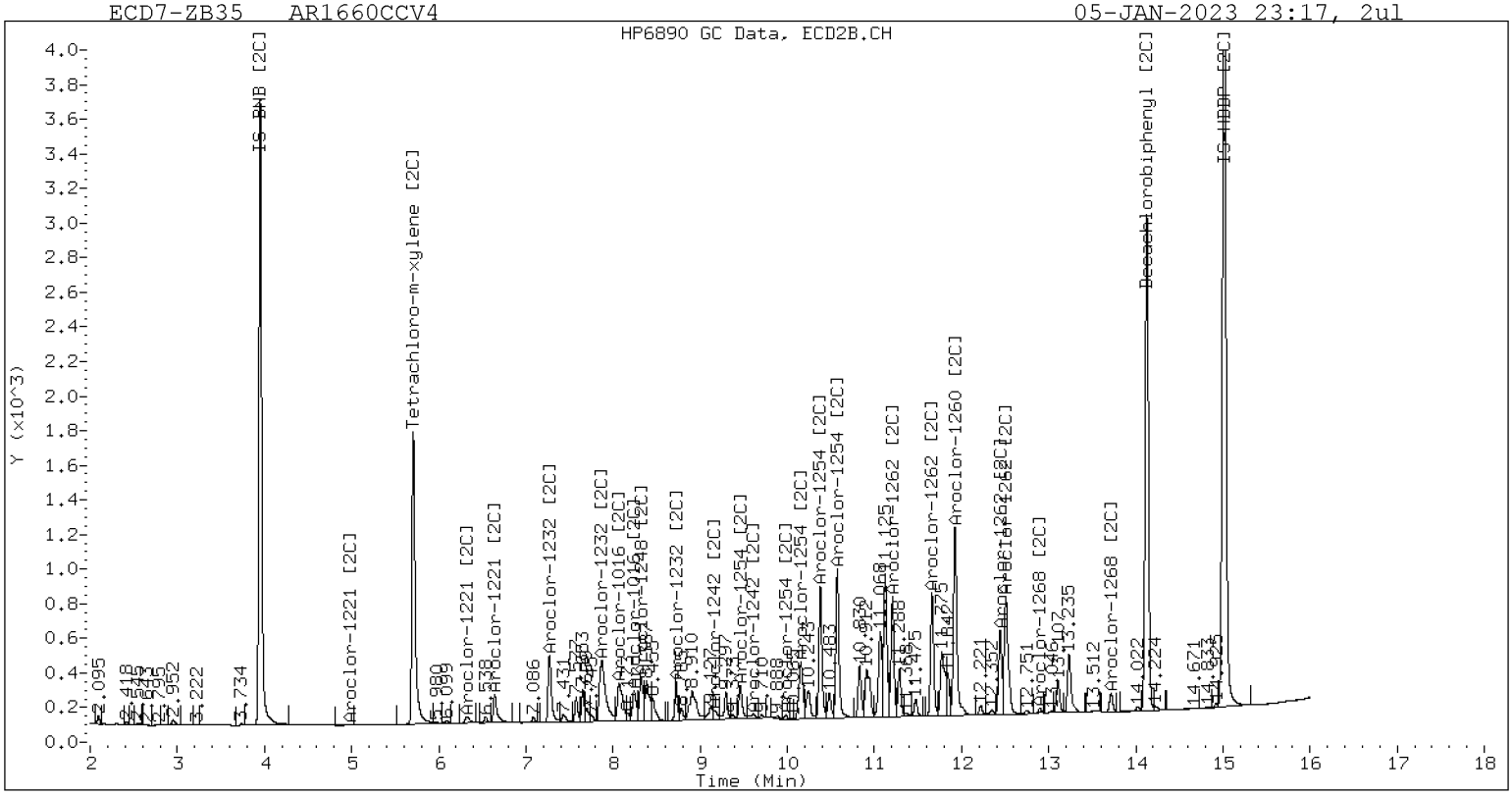
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 05-JAN-2023 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 05-JAN-2023 23:17, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052349ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV5	Injection Time:	05:15
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	299	0.0576965	0.0689166		19.8	+/-20
Aroclor-1254 (1)	A	250.00	263		0.0742393			
Aroclor-1254 (2)	A	250.00	340		0.0372293			
Aroclor-1254 (3)	A	250.00	242		0.0431067			
Aroclor-1254 (4)	A	250.00	320		0.1109556			
Aroclor-1254 (5)	A	250.00	332		0.0790521			
Aroclor 1254 [2C]	A	250.00	252	0.0638047	0.0658787		1.0	+/-20
Aroclor-1254 (1) [2C]	A	250.00	254		0.0523894			
Aroclor-1254 (2) [2C]	A	250.00	168		0.0278433			
Aroclor-1254 (3) [2C]	A	250.00	232		0.0826549			
Aroclor-1254 (4) [2C]	A	250.00	305		0.1125192			
Aroclor-1254 (5) [2C]	A	250.00	303		0.0539865			
Decachlorobiphenyl	A	40.000	42.8	0.7333327	0.7844985		7.0	+/-20
Tetrachlorometaxylene	A	40.000	38.5	1.1336710	1.0912030		-3.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.1	1.1358180	1.1663360		2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0314310		-6.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052349ECD7.D
Data file 2: /230105.b/230105.b/01052349ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCV5
Client ID:
Injection Date: 06-JAN-2023 05:15
Report Date: 01/10/2023 11:52
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.000	180730	5.710	-0.000	115216	38.5	37.6	2.3	Tetrachloro-m-xylene
13.902	-0.002	331189	14.128	0.001	241543	42.8	41.1	4.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	331249	-26.0
Hexabromobiphenyl	798898	844333	5.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	223410	-10.3
Hexabromobiphenyl	362541	414191	14.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.315	0.002	76849	263.5	1	9.462	0.001	36576	253.9
Aroclor-1254	2	9.394	0.002	38538	339.8	2	9.979	0.001	19439	167.9
Aroclor-1254	3	9.687	0.002	44622	242.2	3	10.130	0.000	57706	231.8
Aroclor-1254	4	9.821	0.002	114856	319.9	4	10.379	0.001	78556	304.7
Aroclor-1254	5	10.177	0.002	81831	332.5	5	10.576	0.000	37691	303.1
Total Col1Ave (5 peaks):					299.6	Total Col2Ave (5 peaks):				252.3 RPD = 17
Corrected Ave (4 peaks):					289.5	Corrected Ave (4 peaks):				239.2 RPD = 19
CalAmt %D:					19.8	CalAmt %D:				0.9

Total PCB Area Col1 (5.933 - 13.804) = 1285342 Col1 Total PCB = 0.4 ppm*

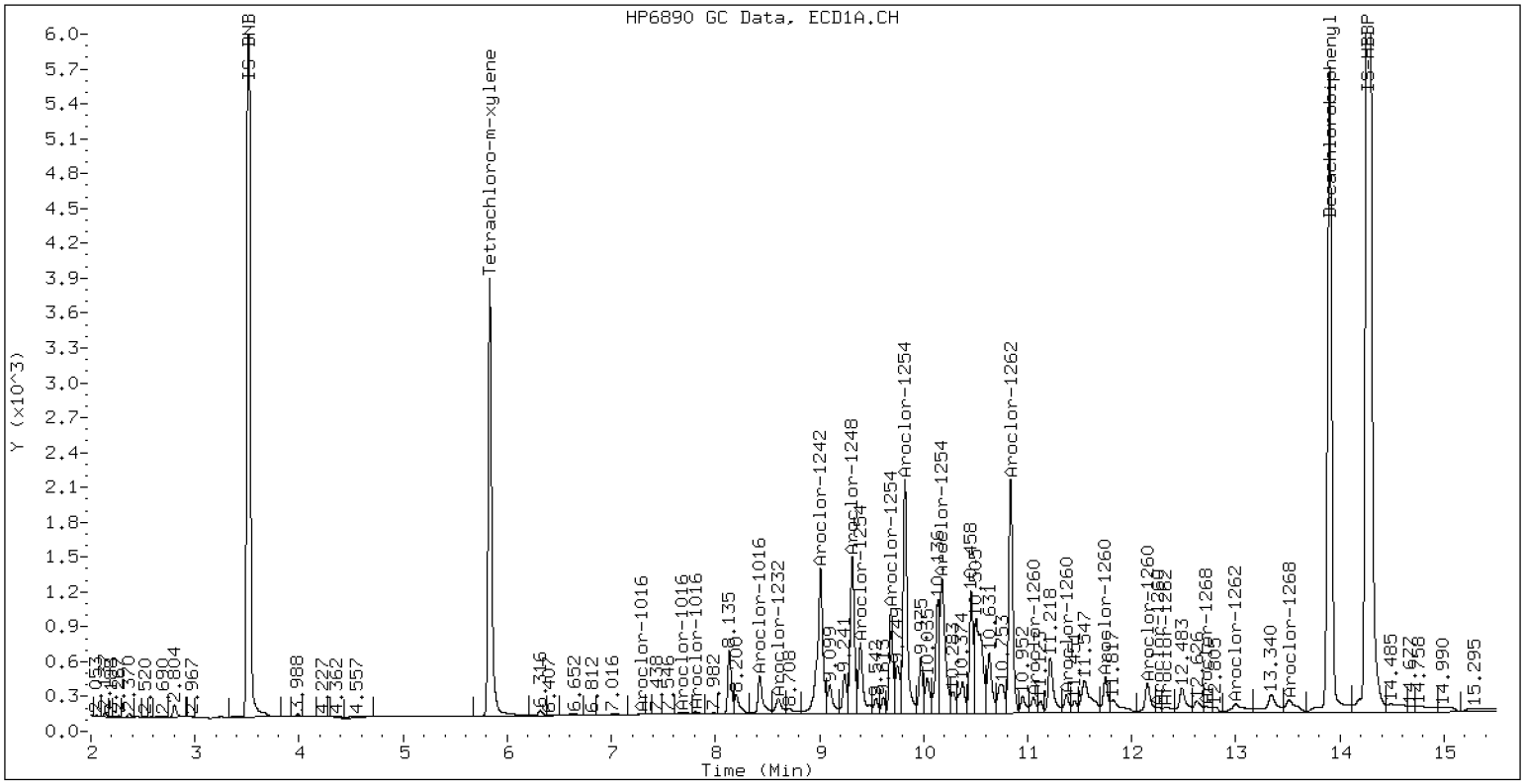
Total PCB Area Col2 (5.810 - 14.028) = 674711 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

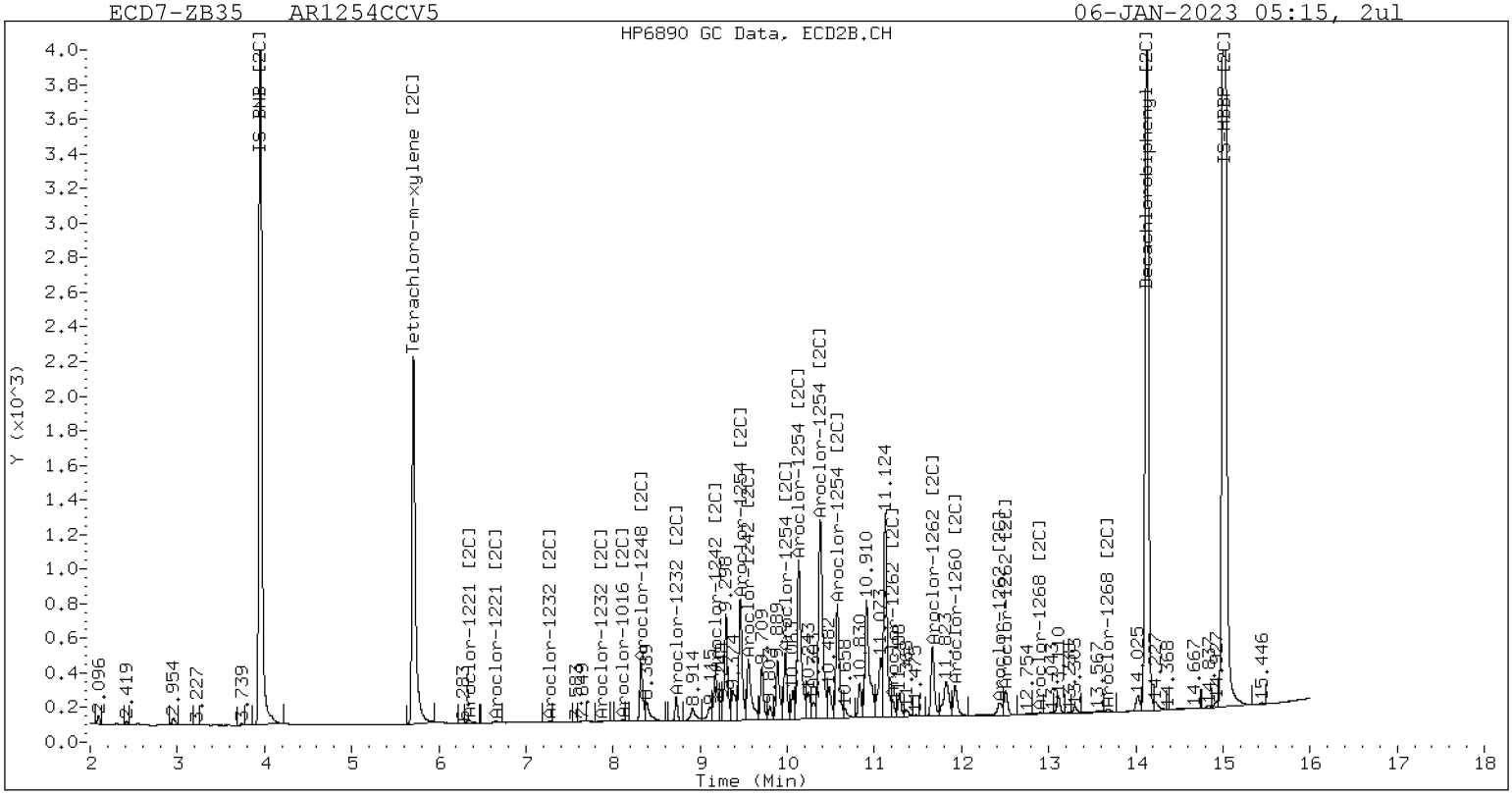
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 06-JAN-2023 05:15, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 06-JAN-2023 05:15, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052350ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV6	Injection Time:	05:36
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	264	0.0441939	0.0465175		5.7	+/-20	
Aroclor-1016 (1)	A	250.00	252	0.0266860	0.0268898		0.8		
Aroclor-1016 (2)	A	250.00	260	0.0861572	0.0894571		4.0		
Aroclor-1016 (3)	A	250.00	272	0.0390425	0.0425539		8.8		
Aroclor-1016 (4)	A	250.00	273	0.0248899	0.0271691		9.2		
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0429987		-2.4	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0413365		1.2		
Aroclor-1016 (2) [2C]	A	250.00	201	0.0882154	0.0709622		-19.6		
Aroclor-1016 (3) [2C]	A	250.00	252	0.0378846	0.0382123		0.8		
Aroclor-1016 (4) [2C]	A	250.00	270	0.0199212	0.0214840		8.0		
Aroclor 1260	A	250.00	268	0.0390342	0.0416223		7.2	+/-20	
Aroclor-1260 (1)	A	250.00	267	0.0291201	0.0311438		6.8		
Aroclor-1260 (2)	A	250.00	266	0.0301181	0.0321159		6.4		
Aroclor-1260 (3)	A	250.00	267	0.0791351	0.0846476		6.8		
Aroclor-1260 (4)	A	250.00	258	0.0403003	0.0415749		3.2		
Aroclor-1260 (5)	A	250.00	282	0.0164974	0.0186292		12.8		
Aroclor 1260 [2C]	A	250.00	199	0.0617619	0.0448825		-20.5	+/-20	*
Aroclor-1260 (1) [2C]	A	250.00	232	0.0422283	0.0391729		-7.2		
Aroclor-1260 (2) [2C]	A	250.00	154	0.1059643	0.0654669		-38.4		
Aroclor-1260 (3) [2C]	A	250.00	239	0.0282173	0.0269576		-4.4		
Aroclor-1260 (4) [2C]	A	250.00	170	0.0706376	0.0479327		-32.0		
Decachlorobiphenyl	A	40.000	44.8	0.7333327	0.8222776		12.0	+/-20	
Tetrachlorometaxylene	A	40.000	38.9	1.1336710	1.1014250		-2.8	+/-20	
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1510040		1.3	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1081940		1.0	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052350ECD7.D
Data file 2: /230105.b/230105.b/01052350ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV6
Client ID:
Injection Date: 06-JAN-2023 05:36
Report Date: 01/10/2023 11:52
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.000	136265	5.709	-0.001	92056	38.9	40.4	3.9	Tetrachloro-m-xylene
13.903	-0.001	259193	14.128	0.001	186206	44.9	40.5	10.1	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	247434	-44.7
Hexabromobiphenyl	798898	630427	-21.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	166137	-33.3
Hexabromobiphenyl	362541	323554	-10.8

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.000	20792	251.9	1	7.271	-0.001	21461	252.6
Aroclor-1016	2	7.678	-0.002	69171	259.6	2	7.874	0.002	36842	201.1
Aroclor-1016	3	7.813	0.001	32904	272.5	3	8.071	-0.001	19839	252.2
Aroclor-1016	4	8.424	0.000	21008	272.9	4	8.243	0.001	11154	269.6
Total Col1Ave (4 peaks):					264.2	Total Col2Ave (4 peaks):				243.9 RPD = 8
Corrected Ave (3 peaks):					261.3	Corrected Ave (3 peaks):				235.3 RPD = 10
CalAmt %D:					5.7	CalAmt %D:				-2.4
Aroclor-1260	1	11.056	-0.000	61356	267.4	1	11.663	0.000	39608	231.9
Aroclor-1260	2	11.372	0.000	63271	266.6	2	11.925	-0.001	66194	154.5
Aroclor-1260	3	11.746	0.000	166763	267.4	3	12.444	0.000	27257	238.8
Aroclor-1260	4	12.151	0.000	81906	257.9	4	12.509	0.001	48465	169.6
Aroclor-1260	5	12.255	-0.000	36701	282.3	NS	---			----
Total Col1Ave (5 peaks):					268.3	Total Col2Ave (4 peaks):				198.7 RPD = 30
Corrected Ave (4 peaks):					264.8	Corrected Ave (3 peaks):				185.3 RPD = 35
CalAmt %D:					7.3	CalAmt %D:				-20.5

Total PCB Area Col1 (5.933 - 13.804) = 1689358 Col1 Total PCB = 0.7 ppm*

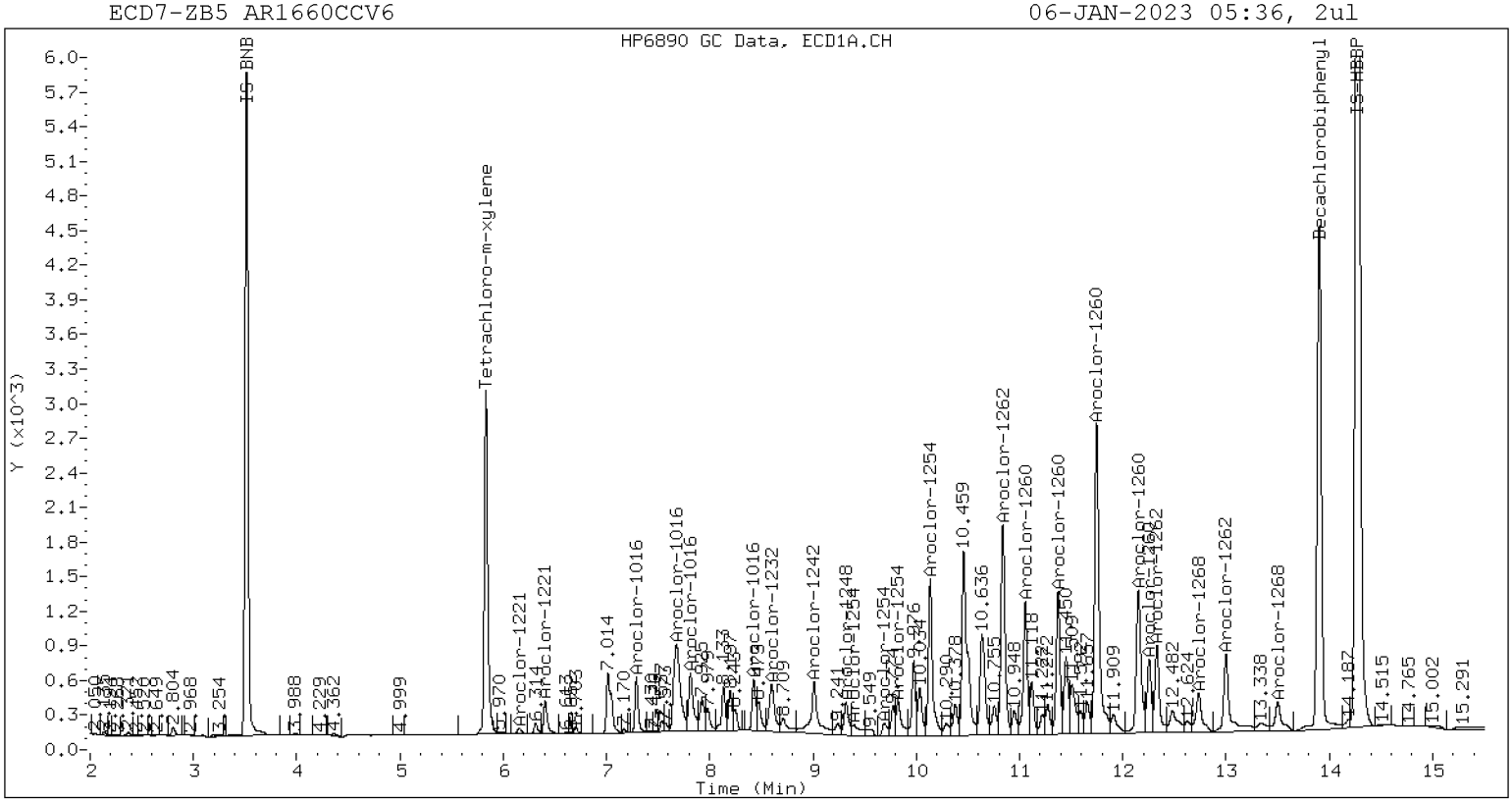
Total PCB Area Col2 (5.810 - 14.028) = 829995 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

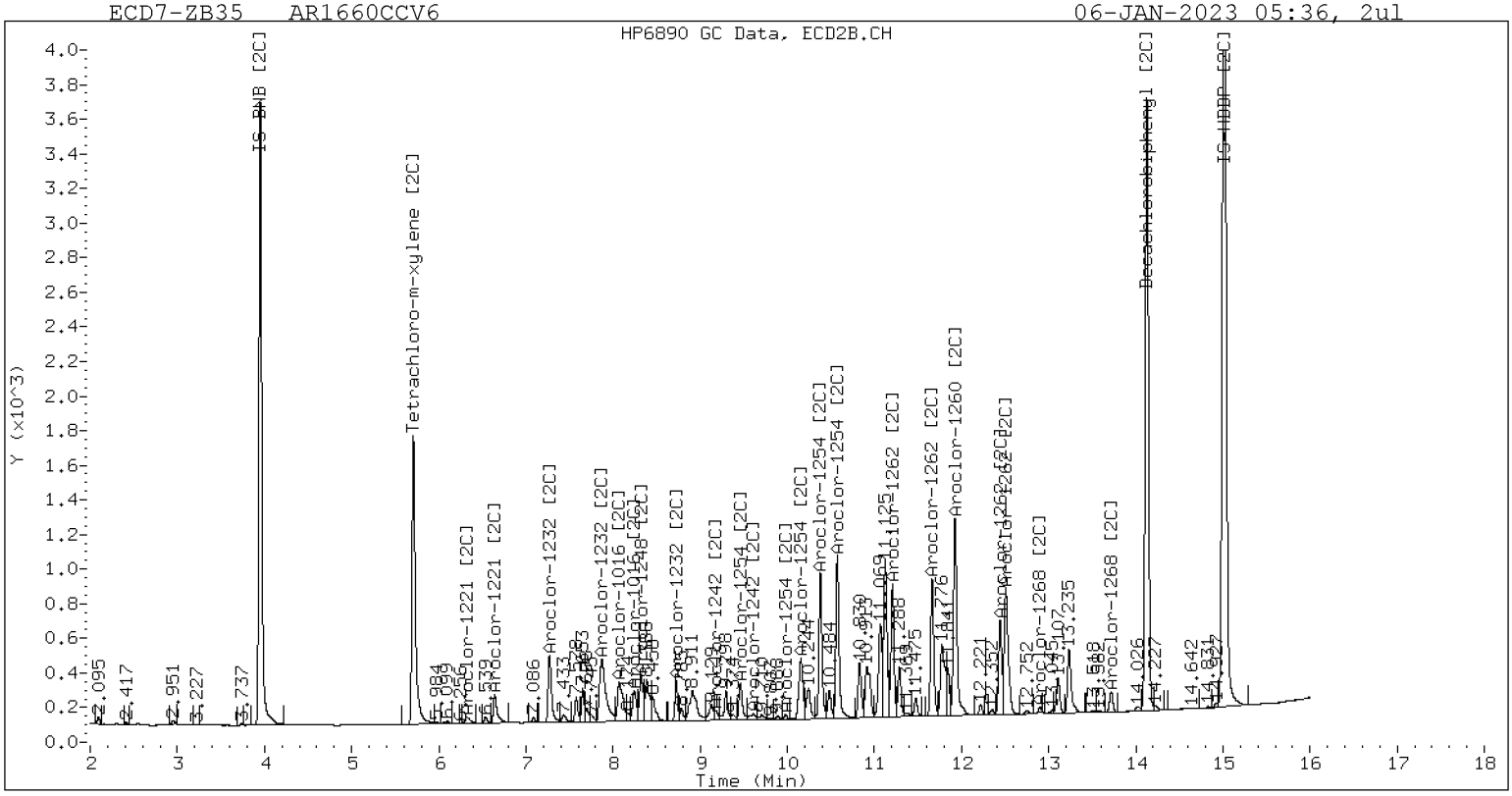
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 06-JAN-2023 05:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 06-JAN-2023 05:36, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052361ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV7	Injection Time:	09:28
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	251	0.0490062	0.0505131		0.2	+/-20
Aroclor-1248 (1)	A	250.00	273		0.0375840			
Aroclor-1248 (2)	A	250.00	284		0.0499930			
Aroclor-1248 (3)	A	250.00	283		0.0894522			
Aroclor-1248 (4)	A	250.00	162		0.0250231			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0382044		-4.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	253		0.0331055			
Aroclor-1248 (2) [2C]	A	250.00	187		0.0256901			
Aroclor-1248 (3) [2C]	A	250.00	265		0.0442979			
Aroclor-1248 (4) [2C]	A	250.00	253		0.0497239			
Decachlorobiphenyl	A	40.000	43.7	0.7333327	0.8018235		9.3	+/-20
Tetrachlorometaxylene	A	40.000	36.6	1.1336710	1.0389380		-8.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1523420		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.1	1.0966080	1.0443940		-4.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052361ECD7.D
Data file 2: /230105.b/230105.b/01052361ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCV7
Client ID:
Injection Date: 06-JAN-2023 09:28
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	-0.000	159746	5.708	-0.002	113394	36.7	38.1	3.8	Tetrachloro-m-xylene
13.903	-0.001	147922	14.127	-0.000	149986	43.7	40.6	7.5	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	307518	-31.3
Hexabromobiphenyl	798898	368964	-53.8 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	217148	-12.8
Hexabromobiphenyl	362541	260315	-28.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.423	-0.000	36118	273.2	1	8.321	0.000	22465	253.2
Aroclor-1248	2	8.598	-0.001	48043	284.6	2	8.727	0.000	17433	186.8
Aroclor-1248	3	9.017	0.001	85963	283.1	3	9.173	0.000	30060	264.9
Aroclor-1248	4	9.312	0.000	24047	161.6	4	9.593	0.000	33742	253.3
Total Col1Ave (4 peaks):					250.6	Total Col2Ave (4 peaks):				239.6 RPD = 5
Corrected Ave (3 peaks):					239.3	Corrected Ave (3 peaks):				231.1 RPD = 3
CalAmt %D:					0.2	CalAmt %D:				-4.2

Total PCB Area Col1 (5.933 - 13.804) = 750323 Col1 Total PCB = 0.3 ppm*

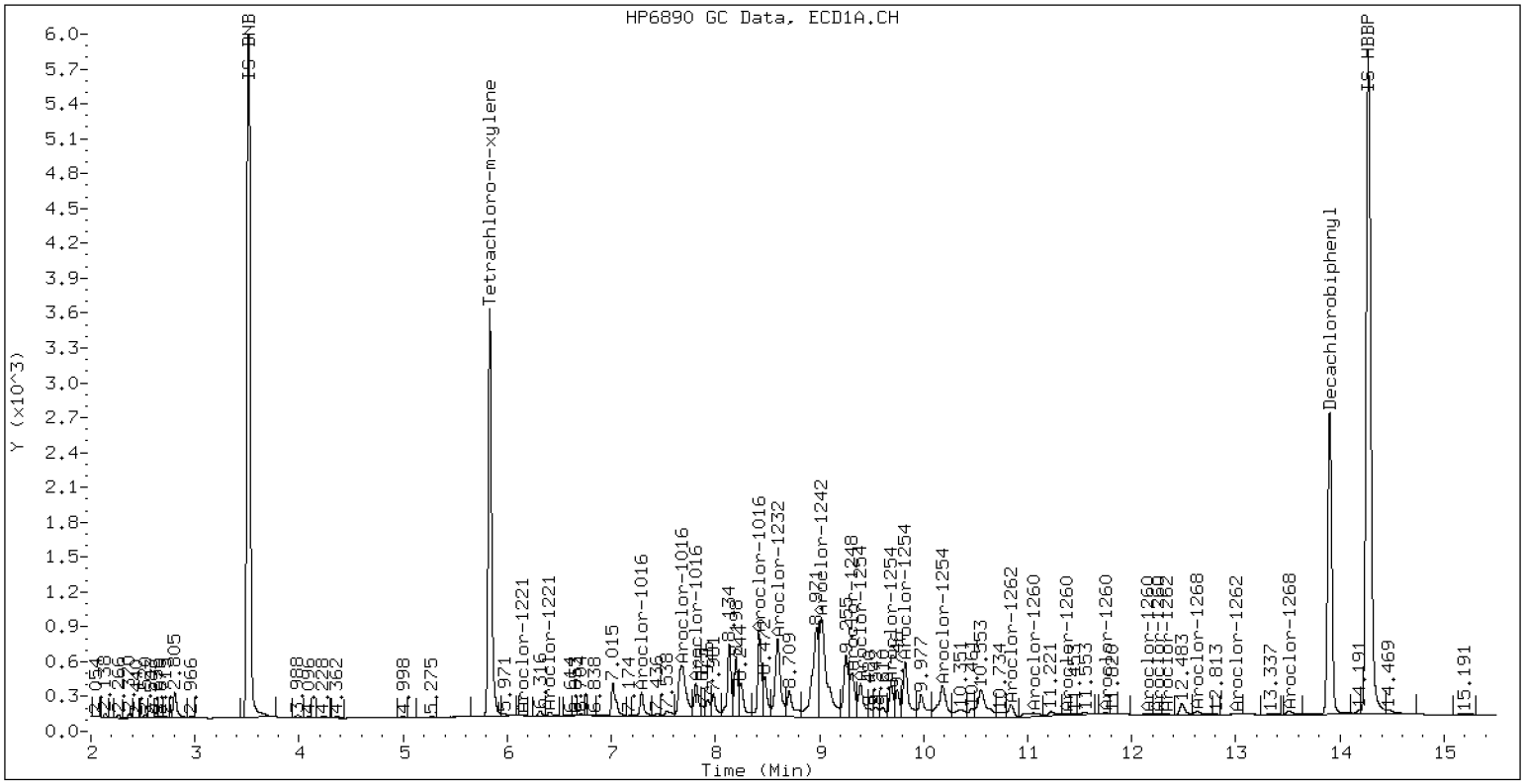
Total PCB Area Col2 (5.810 - 14.028) = 414792 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

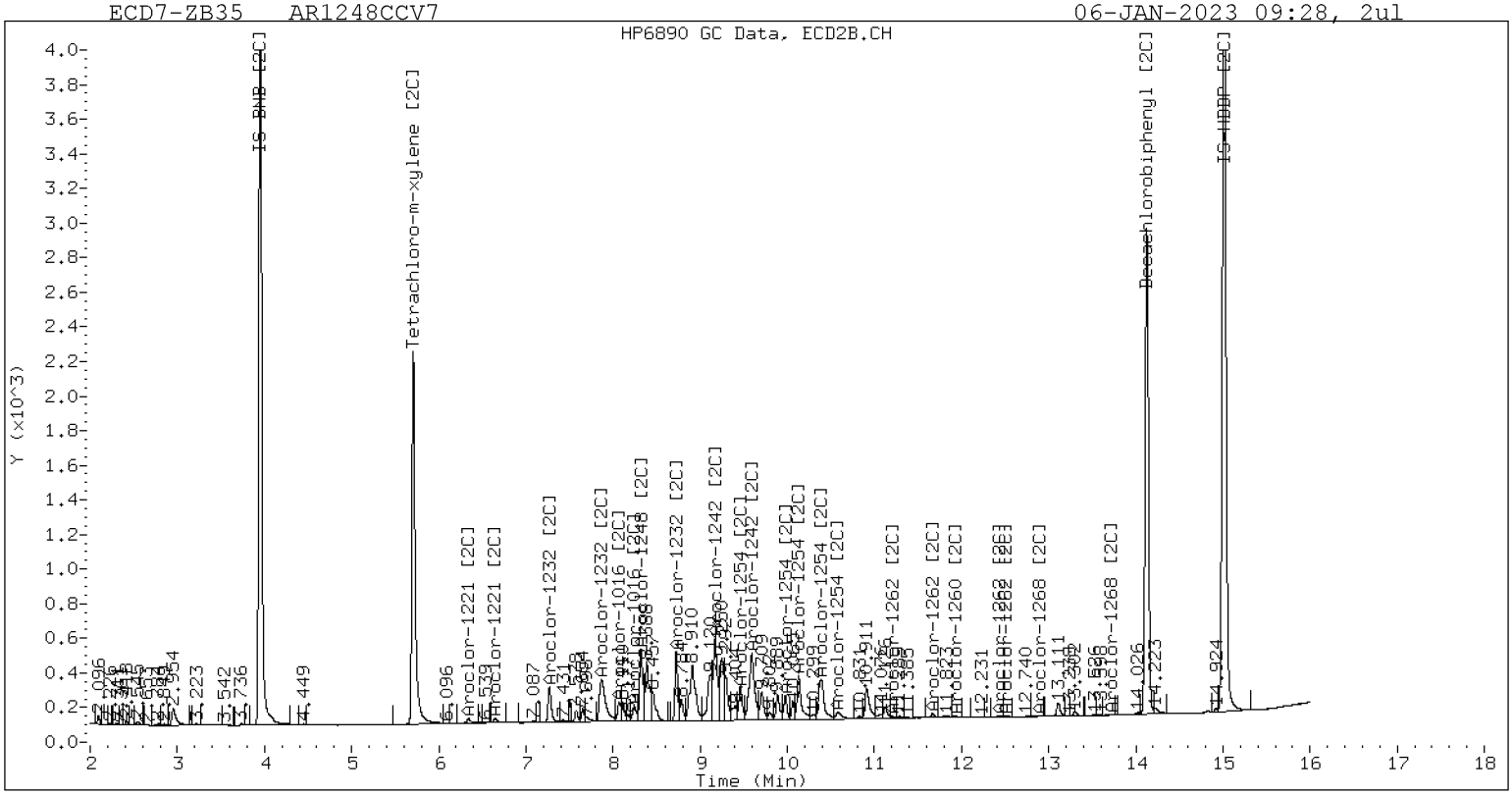
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 06-JAN-2023 09:28, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 06-JAN-2023 09:28, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052362ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV8	Injection Time:	09:49
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	305	0.0441939	0.0521115		22.1	+/-20	*
Aroclor-1016 (1)	A	250.00	292	0.0266860	0.0311495		16.8		
Aroclor-1016 (2)	A	250.00	277	0.0861572	0.0954073		10.8		
Aroclor-1016 (3)	A	250.00	300	0.0390425	0.0468589		20.0		
Aroclor-1016 (4)	A	250.00	352	0.0248899	0.0350304		40.8		
Aroclor 1016 [2C]	A	250.00	249	0.0467310	0.0436814		-0.6	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0423757		3.6		
Aroclor-1016 (2) [2C]	A	250.00	202	0.0882154	0.0714483		-19.2		
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0388490		2.4		
Aroclor-1016 (4) [2C]	A	250.00	277	0.0199212	0.0220527		10.8		
Aroclor 1260	A	250.00	357	0.0390342	0.0551876		42.8	+/-20	*
Aroclor-1260 (1)	A	250.00	382	0.0291201	0.0445404		52.8		
Aroclor-1260 (2)	A	250.00	370	0.0301181	0.0445712		48.0		
Aroclor-1260 (3)	A	250.00	347	0.0791351	0.1099276		38.8		
Aroclor-1260 (4)	A	250.00	332	0.0403003	0.0535538		32.8		
Aroclor-1260 (5)	A	250.00	354	0.0164974	0.0233450		41.6		
Aroclor 1260 [2C]	A	250.00	249	0.0617619	0.0572203		-0.6	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	277	0.0422283	0.0468244		10.8		
Aroclor-1260 (2) [2C]	A	250.00	206	0.1059643	0.0871289		-17.6		
Aroclor-1260 (3) [2C]	A	250.00	291	0.0282173	0.0328305		16.4		
Aroclor-1260 (4) [2C]	A	250.00	220	0.0706376	0.0620974		-12.0		
Decachlorobiphenyl	A	40.000	45.3	0.7333327	0.8314108		13.3	+/-20	
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1099130		-2.0	+/-20	
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1808740		4.0	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1044110		0.8	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052362ECD7.D
Data file 2: /230105.b/230105.b/01052362ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCV8
Client ID:
Injection Date: 06-JAN-2023 09:49
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	121399	5.708	-0.002	83975	39.2	40.3	2.8	Tetrachloro-m-xylene
13.902	-0.002	138496	14.127	-0.001	128521	45.3	41.6	8.7	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	218754	-51.1 <-
Hexabromobiphenyl	798898	333159	-58.3 <-

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	152072	-38.9
Hexabromobiphenyl	362541	217671	-40.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.001	21294	291.8	1	7.272	-0.000	20138	259.0
Aroclor-1016	2	7.677	-0.003	65221	276.8	2	7.872	-0.001	33954	202.5
Aroclor-1016	3	7.812	-0.000	32033	300.1	3	8.071	-0.000	18462	256.4
Aroclor-1016	4	8.424	-0.000	23947	351.9	4	8.243	0.000	10480	276.7
Total Col1Ave (4 peaks):					305.1	Total Col2Ave (4 peaks):				248.6 RPD = 20
Corrected Ave (3 peaks):					289.6	Corrected Ave (3 peaks):				239.3 RPD = 19
CalAmt %D:					22.1	CalAmt %D:				-0.5
Aroclor-1260	1	11.056	0.000	46372	382.4	1	11.662	-0.000	31851	277.2
Aroclor-1260	2	11.372	0.000	46404	370.0	2	11.925	-0.001	59267	205.6
Aroclor-1260	3	11.746	0.000	114448	347.3	3	12.443	0.000	22332	290.9
Aroclor-1260	4	12.150	-0.000	55756	332.2	4	12.508	0.000	42240	219.8
Aroclor-1260	5	12.255	-0.001	24305	353.8	NS	---			----
Total Col1Ave (5 peaks):					357.1	Total Col2Ave (4 peaks):				248.4 RPD = 36
Corrected Ave (4 peaks):					350.8	Corrected Ave (3 peaks):				234.2 RPD = 40
CalAmt %D:					42.8	CalAmt %D:				-0.7

Total PCB Area Col1 (5.933 - 13.804) = 1362111 Col1 Total PCB = 0.7 ppm*

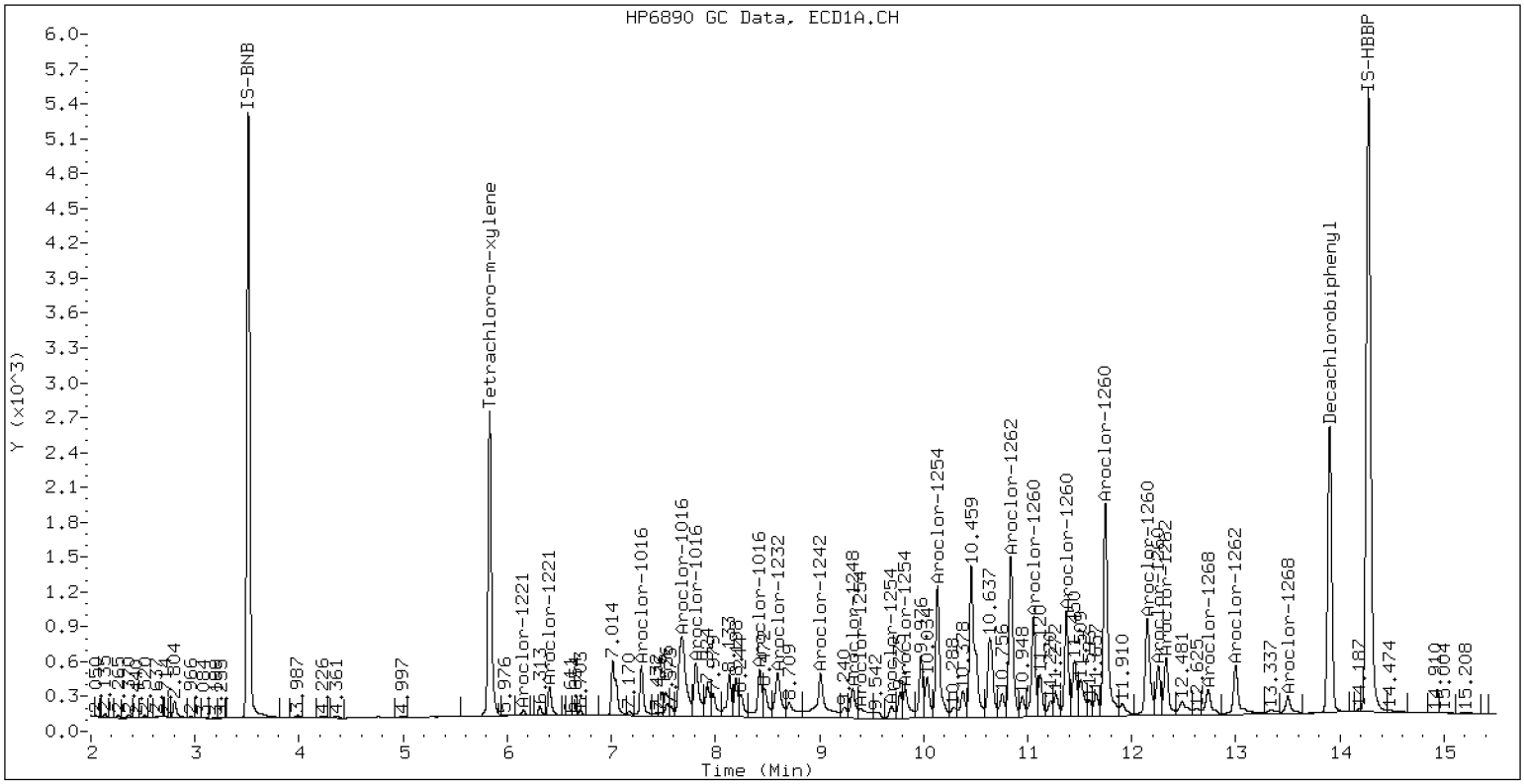
Total PCB Area Col2 (5.810 - 14.028) = 716935 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

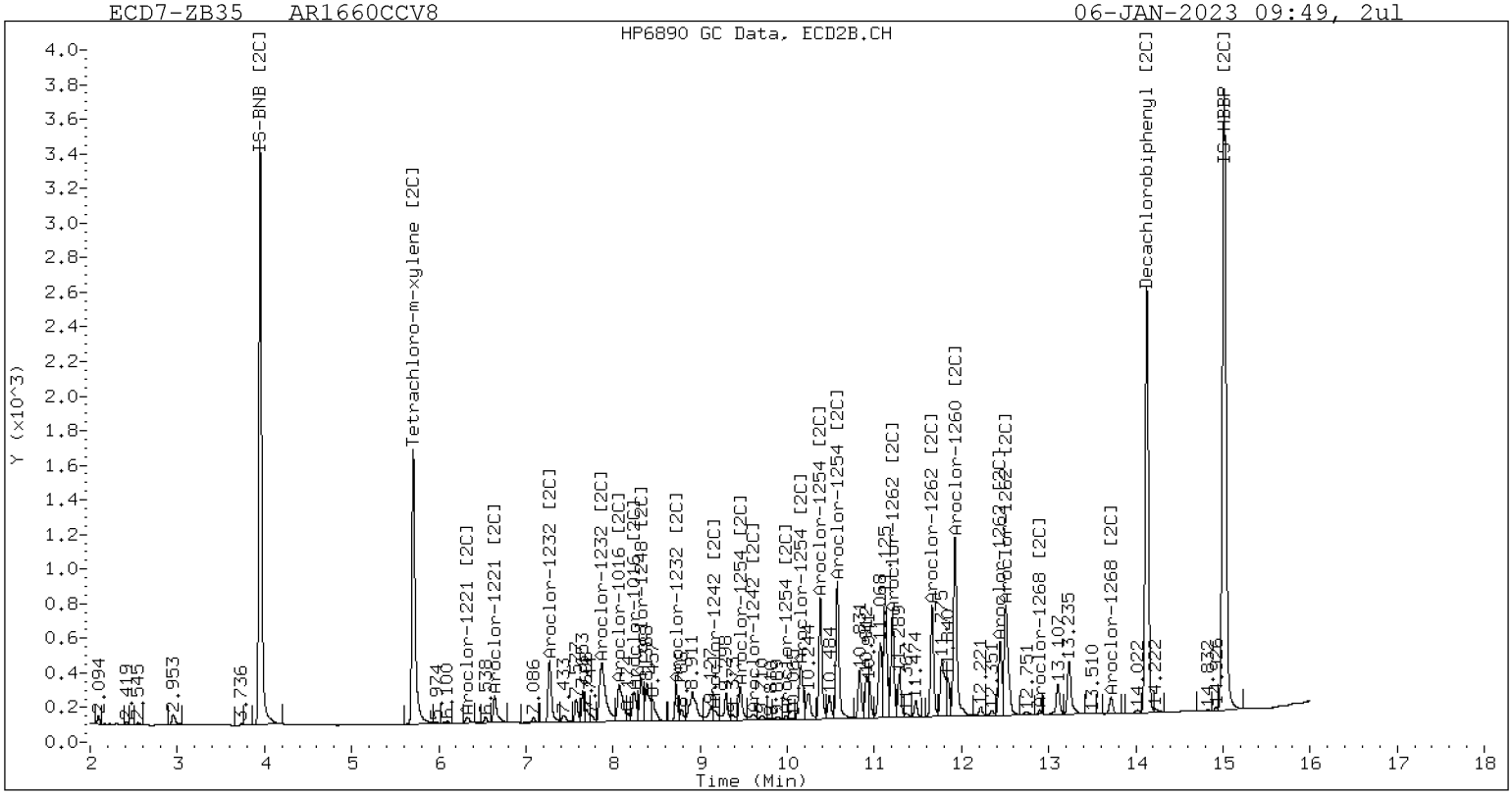
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 06-JAN-2023 09:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 06-JAN-2023 09:49, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052372ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV9	Injection Time:	13:19
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	326	0.0396000	0.0495541		30.3	+/-20 *
Aroclor-1242 (1)	A	250.00	318		0.0288118			
Aroclor-1242 (2)	A	250.00	281		0.0810592			
Aroclor-1242 (3)	A	250.00	368		0.0304877			
Aroclor-1242 (4)	A	250.00	336		0.0578576			
Aroclor 1242 [2C]	A	250.00	261	0.0391981	0.0379342		4.2	+/-20
Aroclor-1242 (1) [2C]	A	250.00	257		0.0348656			
Aroclor-1242 (2) [2C]	A	250.00	197		0.0567495			
Aroclor-1242 (3) [2C]	A	250.00	291		0.0270117			
Aroclor-1242 (4) [2C]	A	250.00	297		0.0331101			
Decachlorobiphenyl	A	40.000	46.6	0.7333327	0.8546401		16.5	+/-20
Tetrachlorometaxylene	A	40.000	38.7	1.1336710	1.0979570		-3.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1169180		-1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0304530		-6.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052372ECD7.D
Data file 2: /230105.b/230105.b/01052372ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1242.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242CCV9
Client ID:
Injection Date: 06-JAN-2023 13:19
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	165931	5.708	-0.001	108195	38.7	37.6	3.0	Tetrachloro-m-xylene
13.901	-0.002	244886	14.127	-0.000	180408	46.6	39.3	16.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	302254	-32.5
Hexabromobiphenyl	798898	573074	-28.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	209995	-15.7
Hexabromobiphenyl	362541	323046	-10.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount	
Aroclor-1242	1	7.289	-0.005	27214	317.7	1	7.272	0.001	22880	257.4	
Aroclor-1242	2	7.677	-0.008	76564	281.5	2	7.871	0.001	37241	197.4	
Aroclor-1242	3	8.423	-0.007	28797	367.9	3	9.170	-0.002	17726	291.2	
Aroclor-1242	4	9.022	-0.009	54649	336.3	4	9.591	-0.001	21728	297.0	
Total Col1Ave (4 peaks):					325.8	Total Col2Ave (4 peaks):				260.8	RPD = 22
Corrected Ave (3 peaks):					311.8	Corrected Ave (3 peaks):				248.7	RPD = 23
CalAmt %D:					30.3	CalAmt %D:				4.3	

Total PCB Area Col1 (5.933 - 13.804) = 946282 Col1 Total PCB = 0.3 ppm*

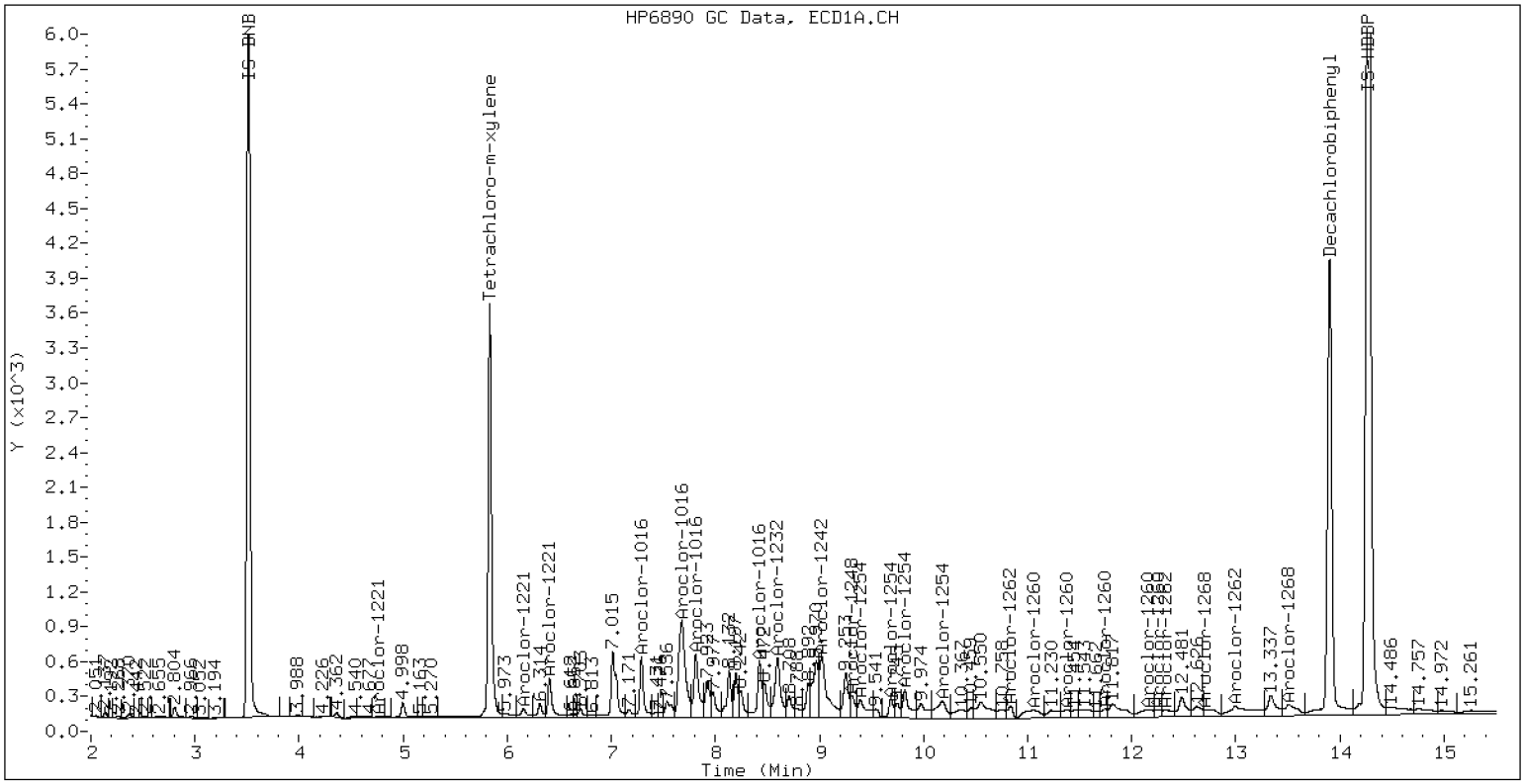
Total PCB Area Col2 (5.810 - 14.028) = 360229 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

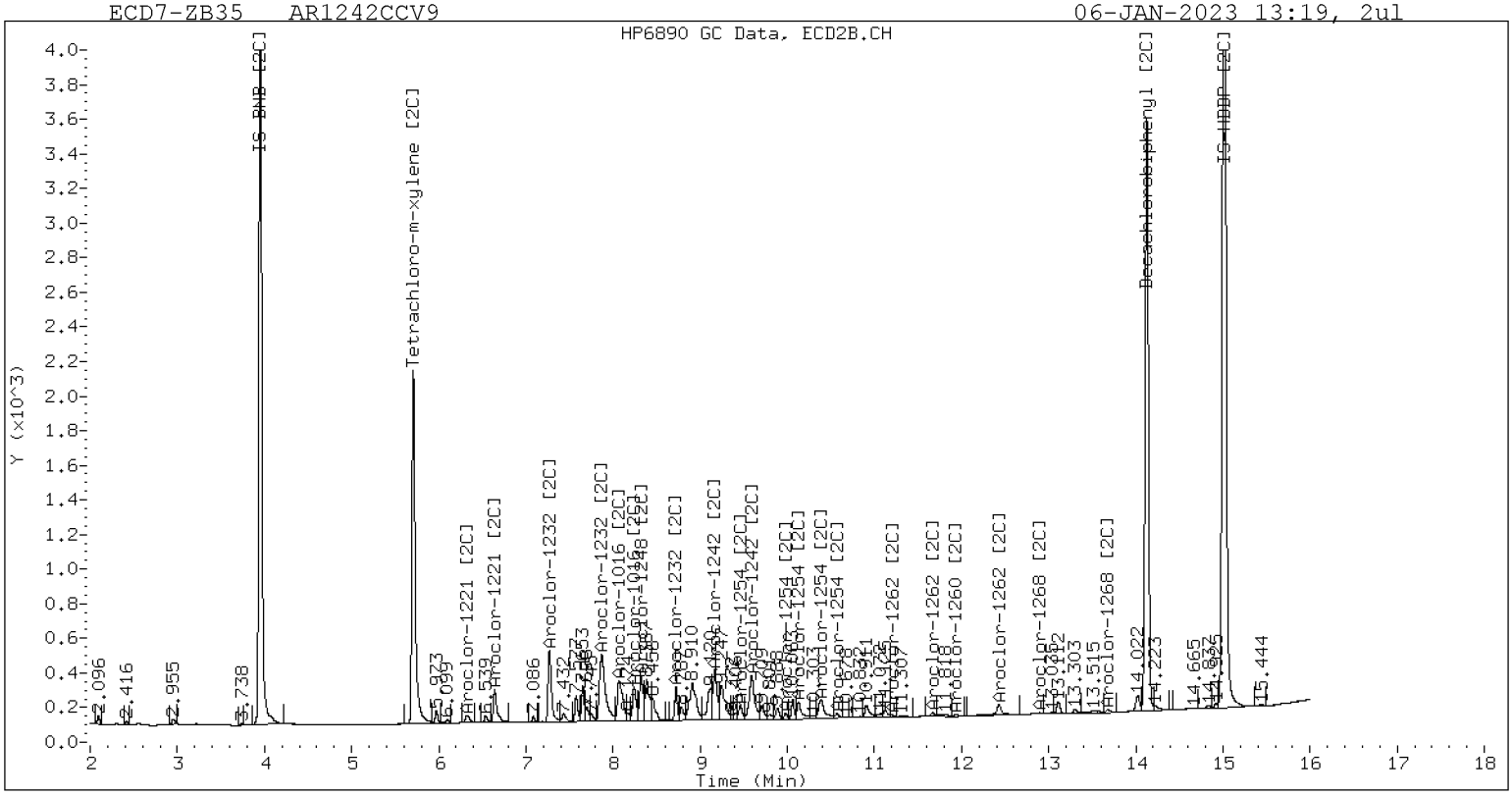
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 06-JAN-2023 13:19, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV9 06-JAN-2023 13:19, 2ul

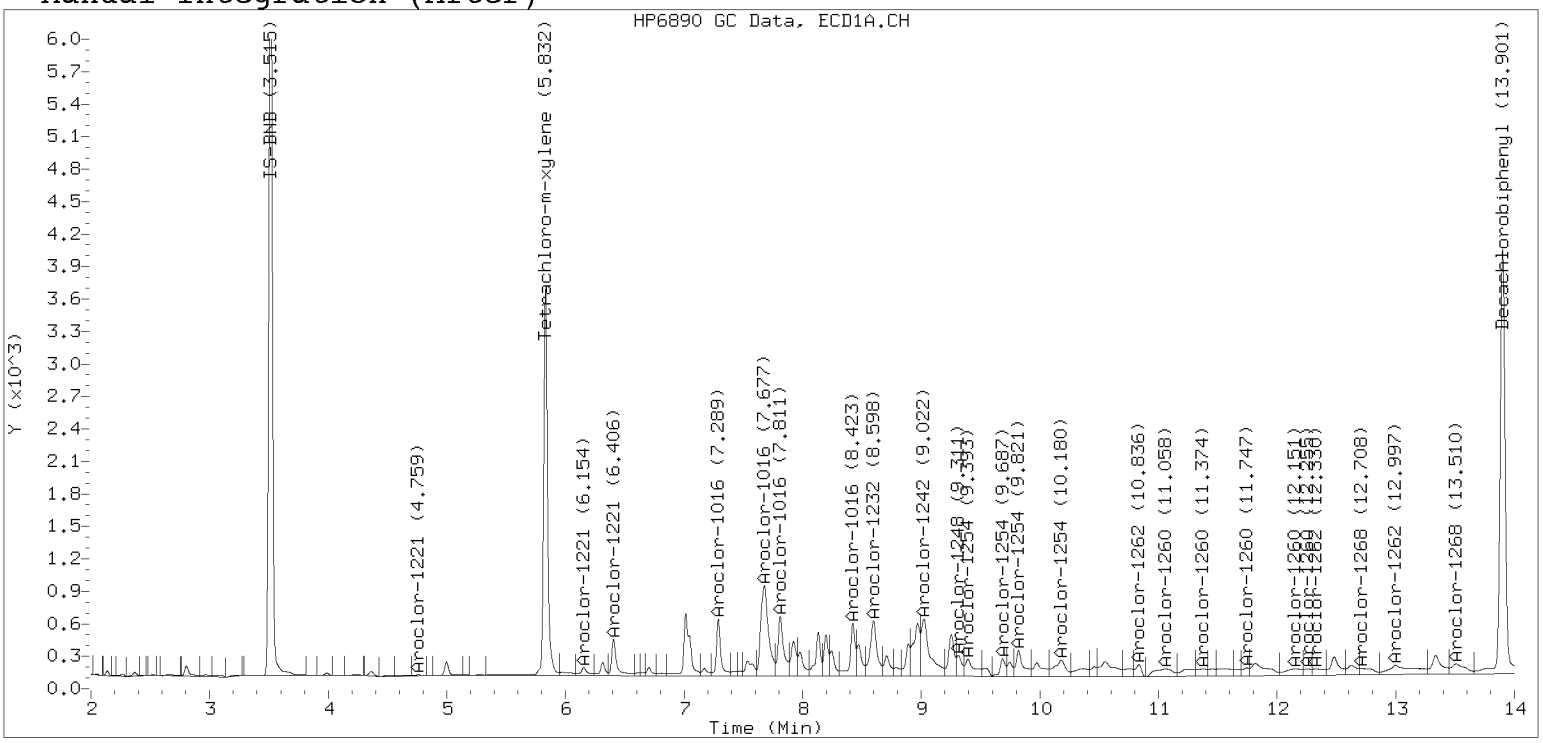


ZB-35 Manual Integration: NO

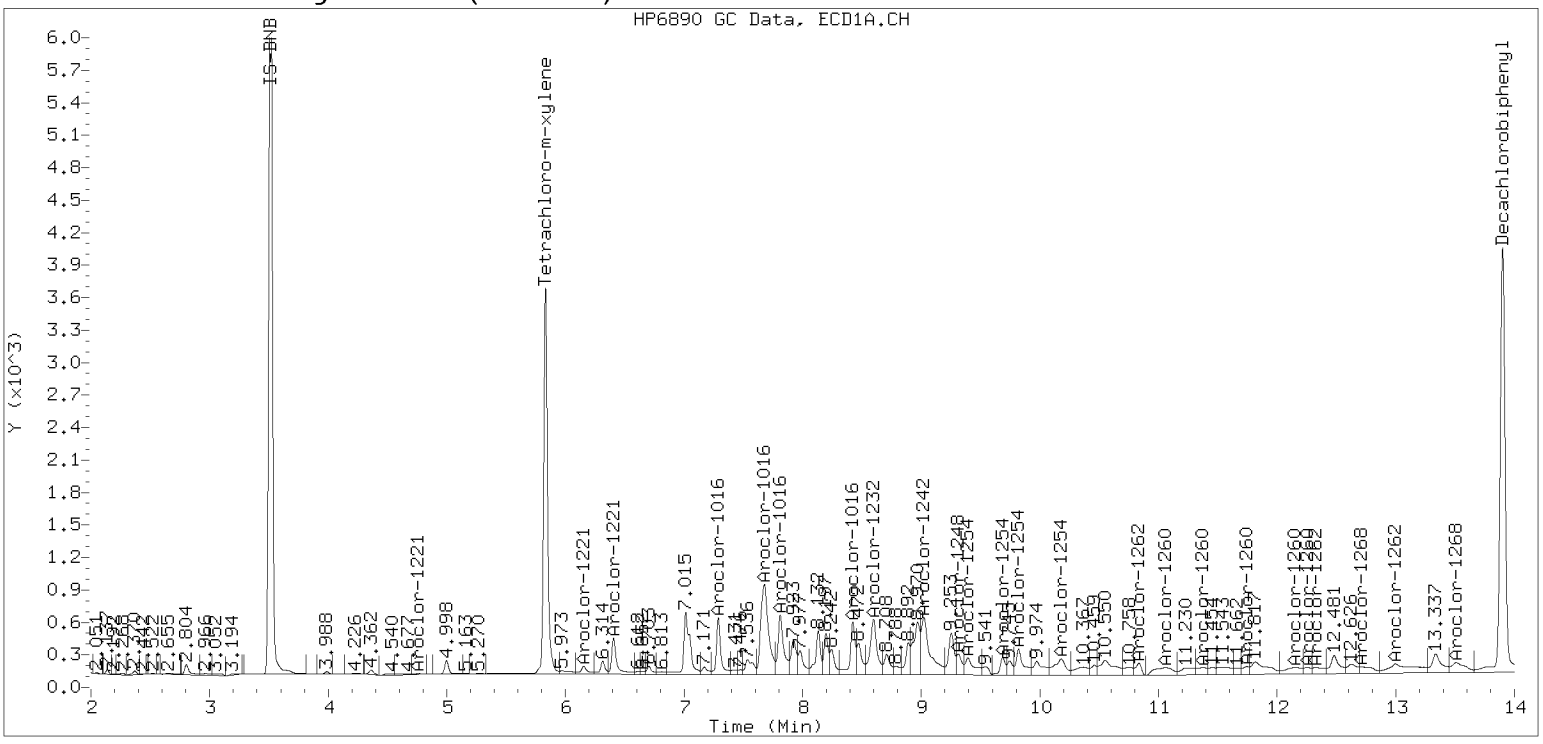
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230105.b/01052372ECD7.D Injection Date: 06-JAN-2023 13:19

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052373ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVA	Injection Time:	13:40
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	272	0.0441939	0.0474435		8.9	+/-20	
Aroclor-1016 (1)	A	250.00	269	0.0266860	0.0286971		7.6		
Aroclor-1016 (2)	A	250.00	261	0.0861572	0.0898299		4.4		
Aroclor-1016 (3)	A	250.00	277	0.0390425	0.0432184		10.8		
Aroclor-1016 (4)	A	250.00	282	0.0248899	0.0280287		12.8		
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0422433		-3.9	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0408405		0.0		
Aroclor-1016 (2) [2C]	A	250.00	196	0.0882154	0.0692409		-21.6		
Aroclor-1016 (3) [2C]	A	250.00	249	0.0378846	0.0376828		-0.4		
Aroclor-1016 (4) [2C]	A	250.00	266	0.0199212	0.0212092		6.4		
Aroclor 1260	A	250.00	317	0.0390342	0.0492576		27.0	+/-20	*
Aroclor-1260 (1)	A	250.00	329	0.0291201	0.0383380		31.6		
Aroclor-1260 (2)	A	250.00	324	0.0301181	0.0389798		29.6		
Aroclor-1260 (3)	A	250.00	314	0.0791351	0.0995538		25.6		
Aroclor-1260 (4)	A	250.00	299	0.0403003	0.0482309		19.6		
Aroclor-1260 (5)	A	250.00	321	0.0164974	0.0211853		28.4		
Aroclor 1260 [2C]	A	250.00	219	0.0617619	0.0496587		-12.6	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	252	0.0422283	0.0426155		0.8		
Aroclor-1260 (2) [2C]	A	250.00	173	0.1059643	0.0732029		-30.8		
Aroclor-1260 (3) [2C]	A	250.00	259	0.0282173	0.0292578		3.6		
Aroclor-1260 (4) [2C]	A	250.00	190	0.0706376	0.0535588		-24.0		
Decachlorobiphenyl	A	40.000	49.6	0.7333327	0.9091503		24.0	+/-20	
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1111550		-2.0	+/-20	
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1541060		1.5	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1050490		0.8	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052373ECD7.D
Data file 2: /230105.b/230105.b/01052373ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVA
Client ID:
Injection Date: 06-JAN-2023 13:40
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	125540	5.708	-0.002	84381	39.2	40.3	2.8	Tetrachloro-m-xylene
13.902	-0.002	203091	14.128	0.000	151511	49.6	40.6	19.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	225963	-49.5
Hexabromobiphenyl	798898	446771	-44.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	152719	-38.7
Hexabromobiphenyl	362541	262560	-27.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.001	20264	268.8	1	7.271	-0.002	19491	249.6
Aroclor-1016	2	7.678	-0.002	63432	260.7	2	7.872	-0.000	33045	196.2
Aroclor-1016	3	7.812	-0.001	30518	276.7	3	8.070	-0.002	17984	248.7
Aroclor-1016	4	8.423	-0.001	19792	281.5	4	8.242	-0.001	10122	266.2
Total Col1Ave (4 peaks):					271.9	Total Col2Ave (4 peaks):				240.2 RPD = 12
Corrected Ave (3 peaks):					268.7	Corrected Ave (3 peaks):				231.5 RPD = 15
CalAmt %D:					8.8	CalAmt %D:				-3.9
Aroclor-1260	1	11.056	0.000	53526	329.1	1	11.663	0.001	34966	252.3
Aroclor-1260	2	11.373	0.000	54422	323.6	2	11.925	-0.001	60063	172.7
Aroclor-1260	3	11.745	-0.001	138993	314.5	3	12.444	0.000	24006	259.2
Aroclor-1260	4	12.149	-0.001	67338	299.2	4	12.509	0.001	43945	189.6
Aroclor-1260	5	12.255	-0.000	29578	321.0	NS	---			----
Total Col1Ave (5 peaks):					317.5	Total Col2Ave (4 peaks):				218.4 RPD = 37
Corrected Ave (4 peaks):					314.6	Corrected Ave (3 peaks):				204.9 RPD = 42*
CalAmt %D:					27.0	CalAmt %D:				-12.6

Total PCB Area Col1 (5.933 - 13.804) = 1443815 Col1 Total PCB = 0.7 ppm*

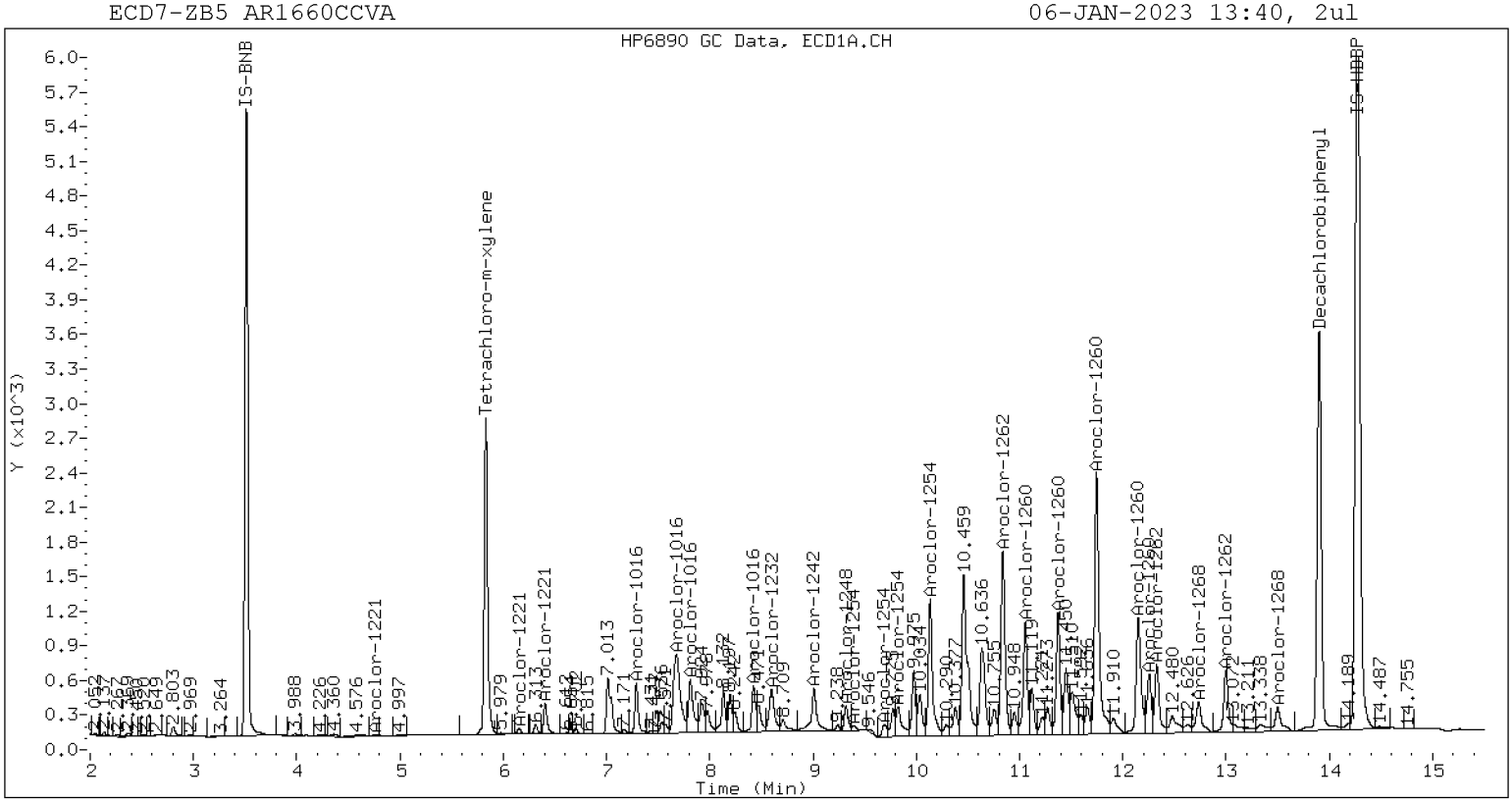
Total PCB Area Col2 (5.810 - 14.028) = 737879 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

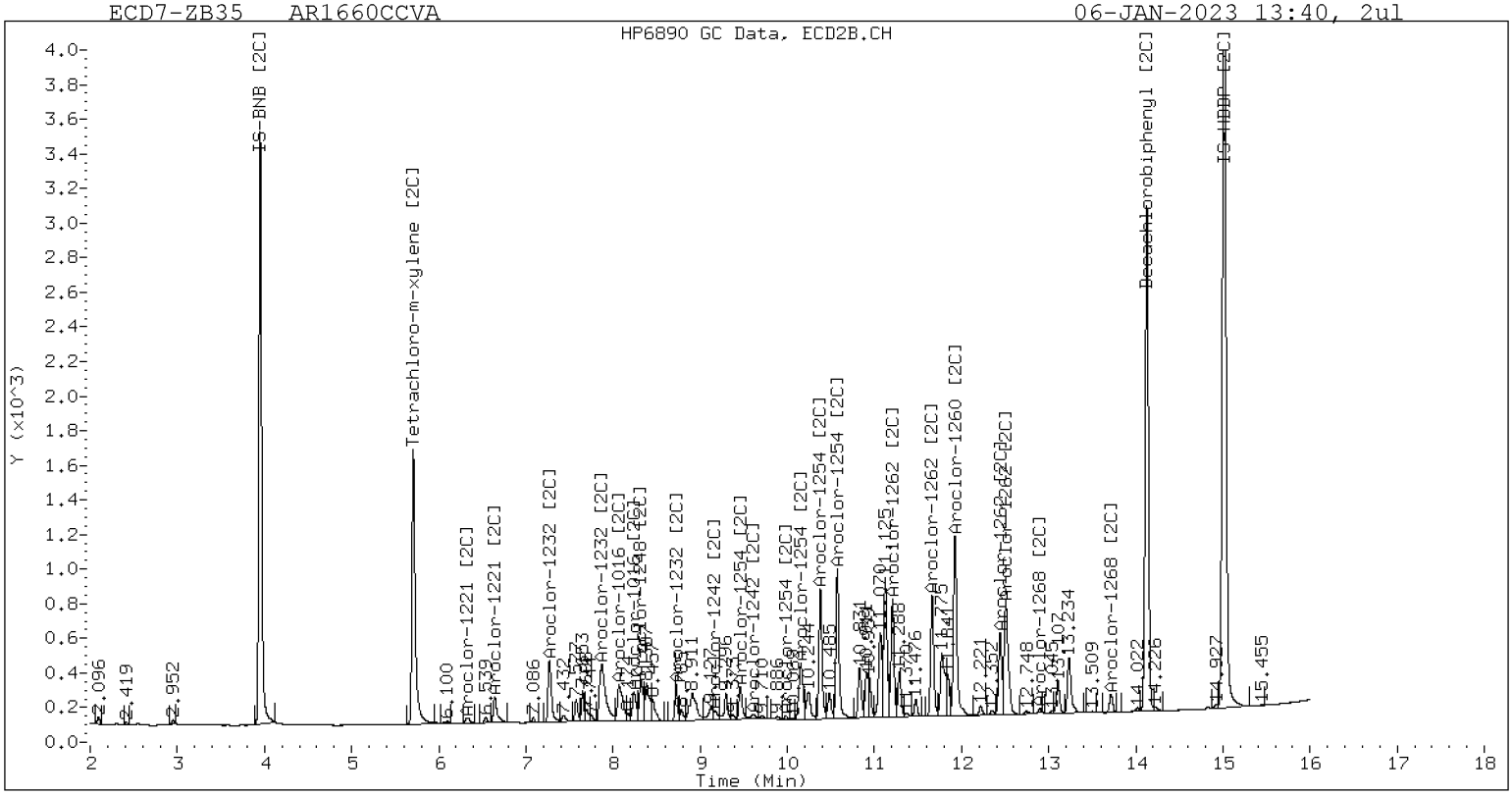
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 06-JAN-2023 13:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVA 06-JAN-2023 13:40, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052384ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVB	Injection Time:	17:32
Sequence Name:	AR1254CCVB		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	255	0.0576965	0.0592055		2.0	+/-20
Aroclor-1254 (1)	A	250.00	235		0.0662601			
Aroclor-1254 (2)	A	250.00	266		0.0291167			
Aroclor-1254 (3)	A	250.00	221		0.0393178			
Aroclor-1254 (4)	A	250.00	274		0.0950152			
Aroclor-1254 (5)	A	250.00	279		0.0663176			
Aroclor 1254 [2C]	A	250.00	233	0.0638047	0.0608683		-6.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	239		0.0493351			
Aroclor-1254 (2) [2C]	A	250.00	156		0.0258635			
Aroclor-1254 (3) [2C]	A	250.00	219		0.0779495			
Aroclor-1254 (4) [2C]	A	250.00	278		0.1026867			
Aroclor-1254 (5) [2C]	A	250.00	272		0.0485064			
Decachlorobiphenyl	A	40.000	44.1	0.7333327	0.8086341		10.3	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0244080		-9.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.4	1.1358180	1.1745710		3.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.3	1.0966080	0.9958349		-9.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052384ECD7.D
Data file 2: /230105.b/230105.b/01052384ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1254.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254CCVB
Client ID:
Injection Date: 06-JAN-2023 17:32
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.831	-0.002	156865	5.707	-0.003	106516	36.1	36.3	0.5	Tetrachloro-m-xylene
13.902	-0.002	195161	14.128	0.001	178563	44.1	41.4	6.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	306255	-31.6
Hexabromobiphenyl	798898	482693	-39.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	213923	-14.1
Hexabromobiphenyl	362541	304048	-16.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	9.314	0.001	63414	235.2	1	9.461	0.000	32981	239.1
Aroclor-1254	2	9.393	0.001	27866	265.7	2	9.978	0.000	17290	155.9
Aroclor-1254	3	9.685	0.000	37629	220.9	3	10.130	0.000	52110	218.6
Aroclor-1254	4	9.819	0.001	90934	273.9	4	10.378	0.000	68647	278.1
Aroclor-1254	5	10.176	0.001	63469	278.9	5	10.576	0.000	32427	272.4

Total Col1Ave (5 peaks): 254.9 Total Col2Ave (5 peaks): 232.8 RPD = 9

Corrected Ave (4 peaks): 248.9 Corrected Ave (4 peaks): 221.5 RPD = 12

CalAmt %D: 2.0 CalAmt %D: -6.9

Total PCB Area Col1 (5.933 - 13.804) = 935914 Col1 Total PCB = 0.3 ppm*

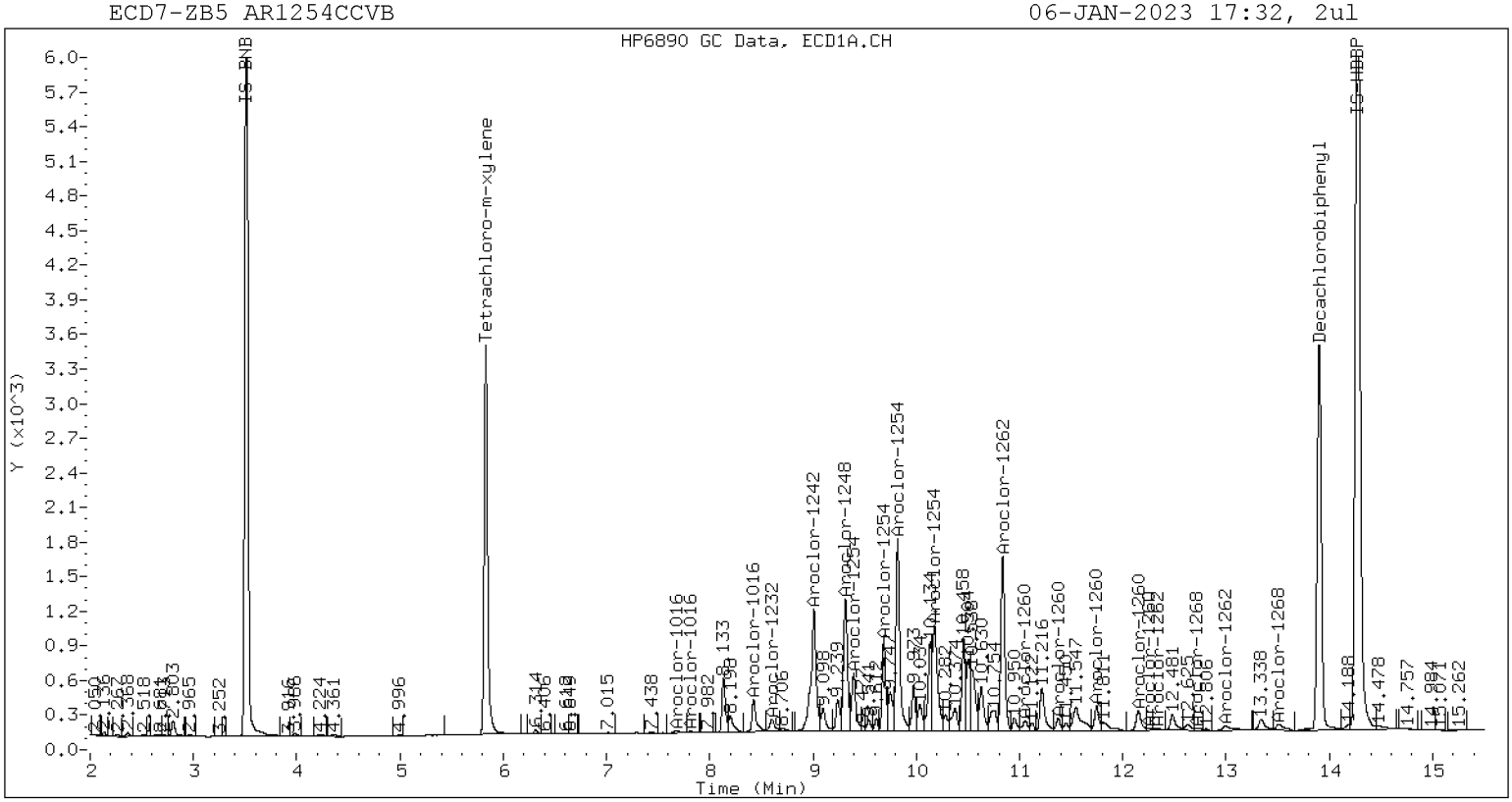
Total PCB Area Col2 (5.810 - 14.028) = 592595 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

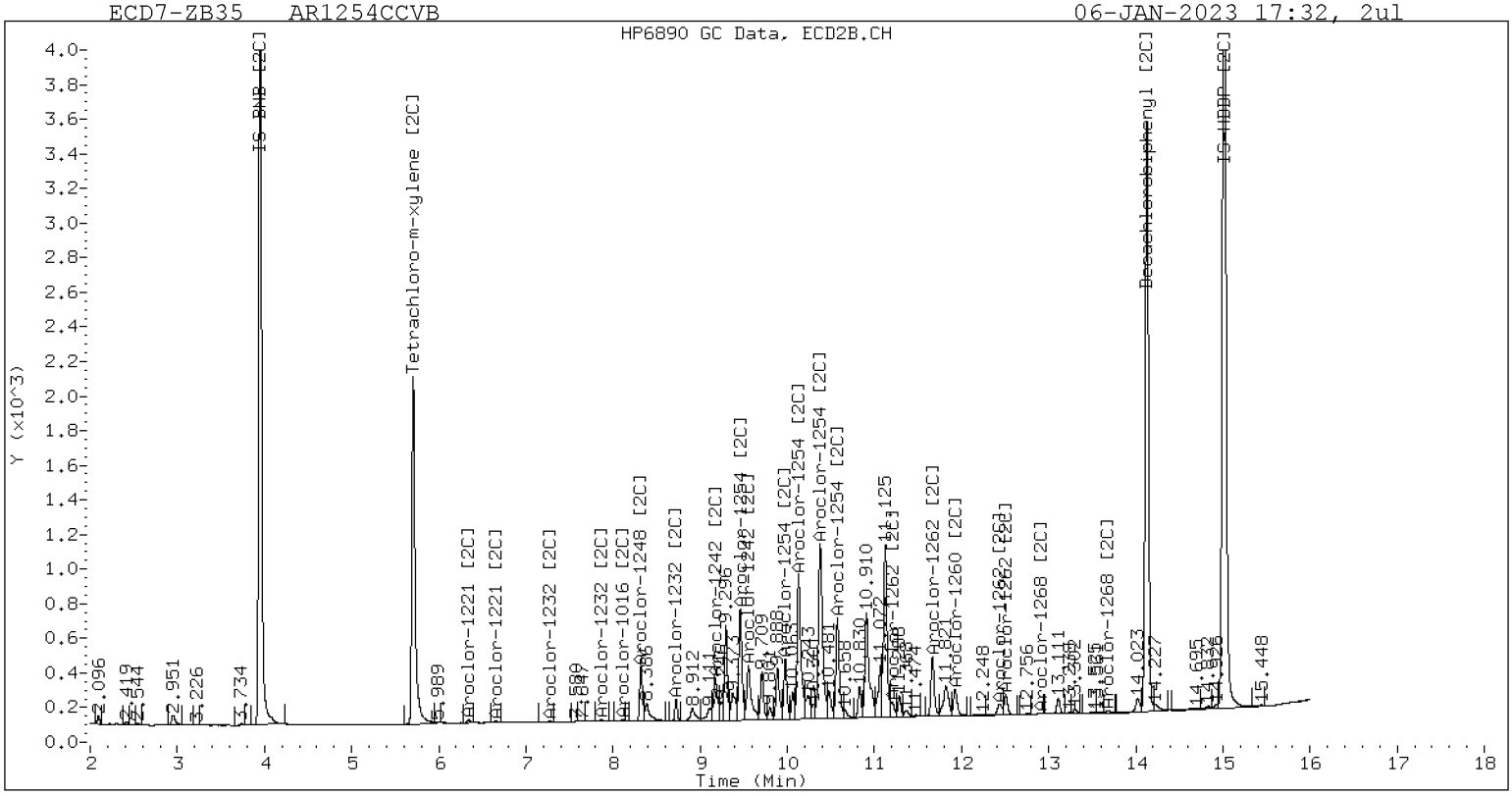
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCVB 06-JAN-2023 17:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCVB 06-JAN-2023 17:32, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052385ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVC	Injection Time:	17:53
Sequence Name:	AR1660CCVC		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	269	0.0441939	0.0472614		7.7	+/-20	
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291640		9.2		
Aroclor-1016 (2)	A	250.00	263	0.0861572	0.0905952		5.2		
Aroclor-1016 (3)	A	250.00	274	0.0390425	0.0427180		9.6		
Aroclor-1016 (4)	A	250.00	267	0.0248899	0.0265684		6.8		
Aroclor 1016 [2C]	A	250.00	250	0.0467310	0.0440895		0.0	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	264	0.0409030	0.0432610		5.6		
Aroclor-1016 (2) [2C]	A	250.00	205	0.0882154	0.0723812		-18.0		
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0388290		2.4		
Aroclor-1016 (4) [2C]	A	250.00	275	0.0199212	0.0218867		10.0		
Aroclor 1260	A	250.00	310	0.0390342	0.0481017		24.0	+/-20	*
Aroclor-1260 (1)	A	250.00	310	0.0291201	0.0361699		24.0		
Aroclor-1260 (2)	A	250.00	308	0.0301181	0.0371435		23.2		
Aroclor-1260 (3)	A	250.00	308	0.0791351	0.0975861		23.2		
Aroclor-1260 (4)	A	250.00	299	0.0403003	0.0481477		19.6		
Aroclor-1260 (5)	A	250.00	325	0.0164974	0.0214613		30.0		
Aroclor 1260 [2C]	A	250.00	223	0.0617619	0.0506396		-10.9	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	256	0.0422283	0.0433425		2.4		
Aroclor-1260 (2) [2C]	A	250.00	176	0.1059643	0.0746862		-29.6		
Aroclor-1260 (3) [2C]	A	250.00	266	0.0282173	0.0300587		6.4		
Aroclor-1260 (4) [2C]	A	250.00	193	0.0706376	0.0544712		-22.8		
Decachlorobiphenyl	A	40.000	46.9	0.7333327	0.8599484		17.3	+/-20	
Tetrachlorometaxylene	A	40.000	40.5	1.1336710	1.1488350		1.3	+/-20	
Decachlorobiphenyl [2C]	A	40.000	41.0	1.1358180	1.1650590		2.5	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	41.9	1.0966080	1.1499870		4.8	+/-20	

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052385ECD7.D
Data file 2: /230105.b/230105.b/01052385ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVC
Client ID:
Injection Date: 06-JAN-2023 17:53
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.001	126408	5.709	-0.001	86893	40.5	41.9	3.4	Tetrachloro-m-xylene
13.904	0.000	181327	14.128	0.000	150151	46.9	41.0	13.4	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	220063	-50.8 <-
Hexabromobiphenyl	798898	421716	-47.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	151120	-39.3
Hexabromobiphenyl	362541	257757	-28.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.289	-0.001	20056	273.2	1	7.272	-0.001	20430	264.4
Aroclor-1016	2	7.677	-0.004	62302	262.9	2	7.872	-0.000	34182	205.1
Aroclor-1016	3	7.811	-0.001	29377	273.5	3	8.071	-0.001	18337	256.2
Aroclor-1016	4	8.424	-0.001	18271	266.9	4	8.241	-0.001	10336	274.7
Total Col1Ave (4 peaks):					269.1	Total Col2Ave (4 peaks):				250.1 RPD = 7
Corrected Ave (3 peaks):					267.7	Corrected Ave (3 peaks):				241.9 RPD = 10
CalAmt %D:					7.6	CalAmt %D:				0.0
Aroclor-1260	1	11.055	-0.000	47667	310.5	1	11.662	-0.001	34912	256.6
Aroclor-1260	2	11.372	-0.000	48950	308.3	2	11.924	-0.002	60159	176.2
Aroclor-1260	3	11.745	-0.001	128605	308.3	3	12.444	0.001	24212	266.3
Aroclor-1260	4	12.149	-0.001	63452	298.7	4	12.508	0.000	43876	192.8
Aroclor-1260	5	12.255	-0.000	28283	325.2	NS	---			----
Total Col1Ave (5 peaks):					310.2	Total Col2Ave (4 peaks):				223.0 RPD = 33
Corrected Ave (4 peaks):					306.5	Corrected Ave (3 peaks):				208.5 RPD = 38
CalAmt %D:					24.1	CalAmt %D:				-10.8

Total PCB Area Col1 (5.933 - 13.804) = 1290684 Col1 Total PCB = 0.6 ppm*

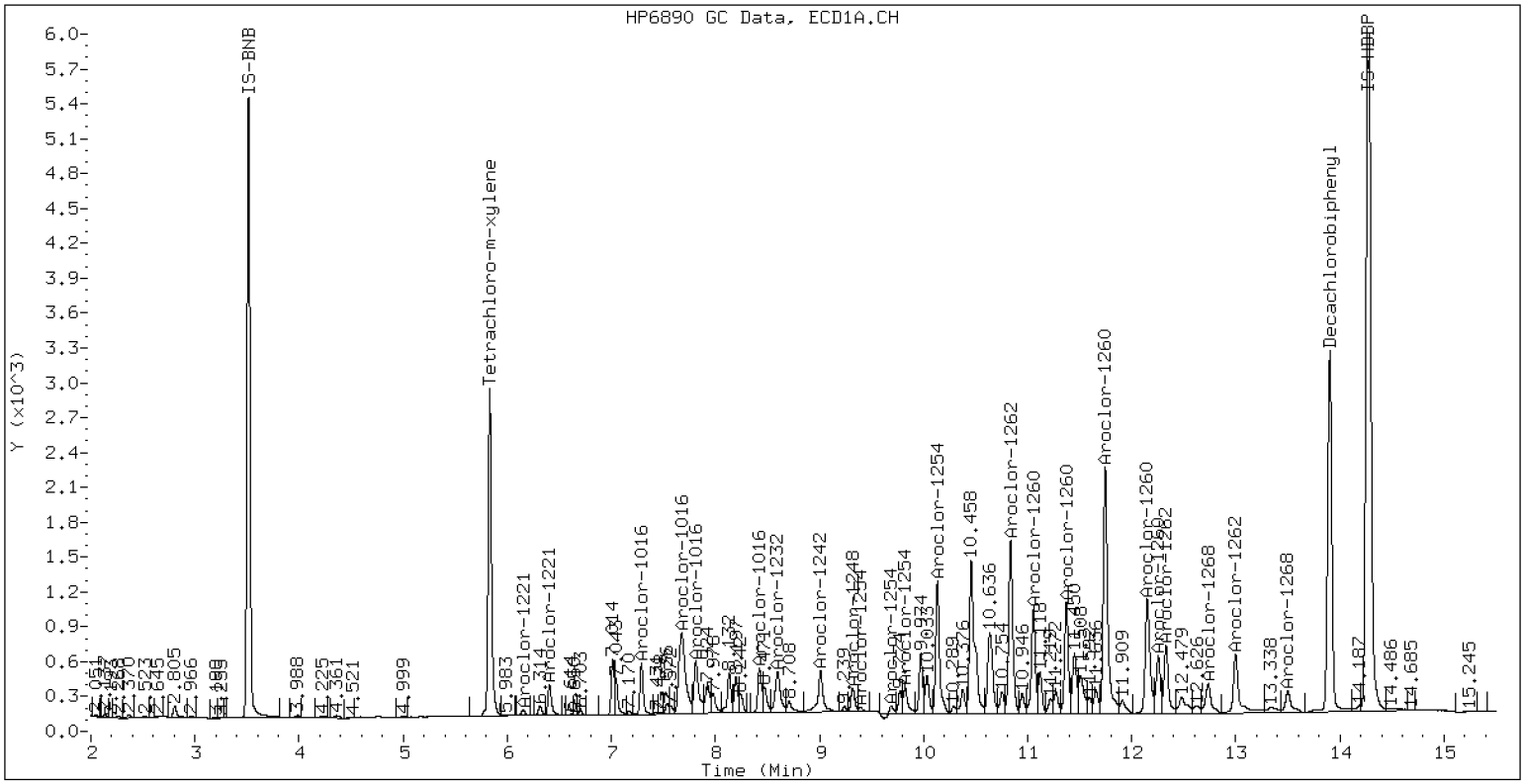
Total PCB Area Col2 (5.810 - 14.028) = 741861 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

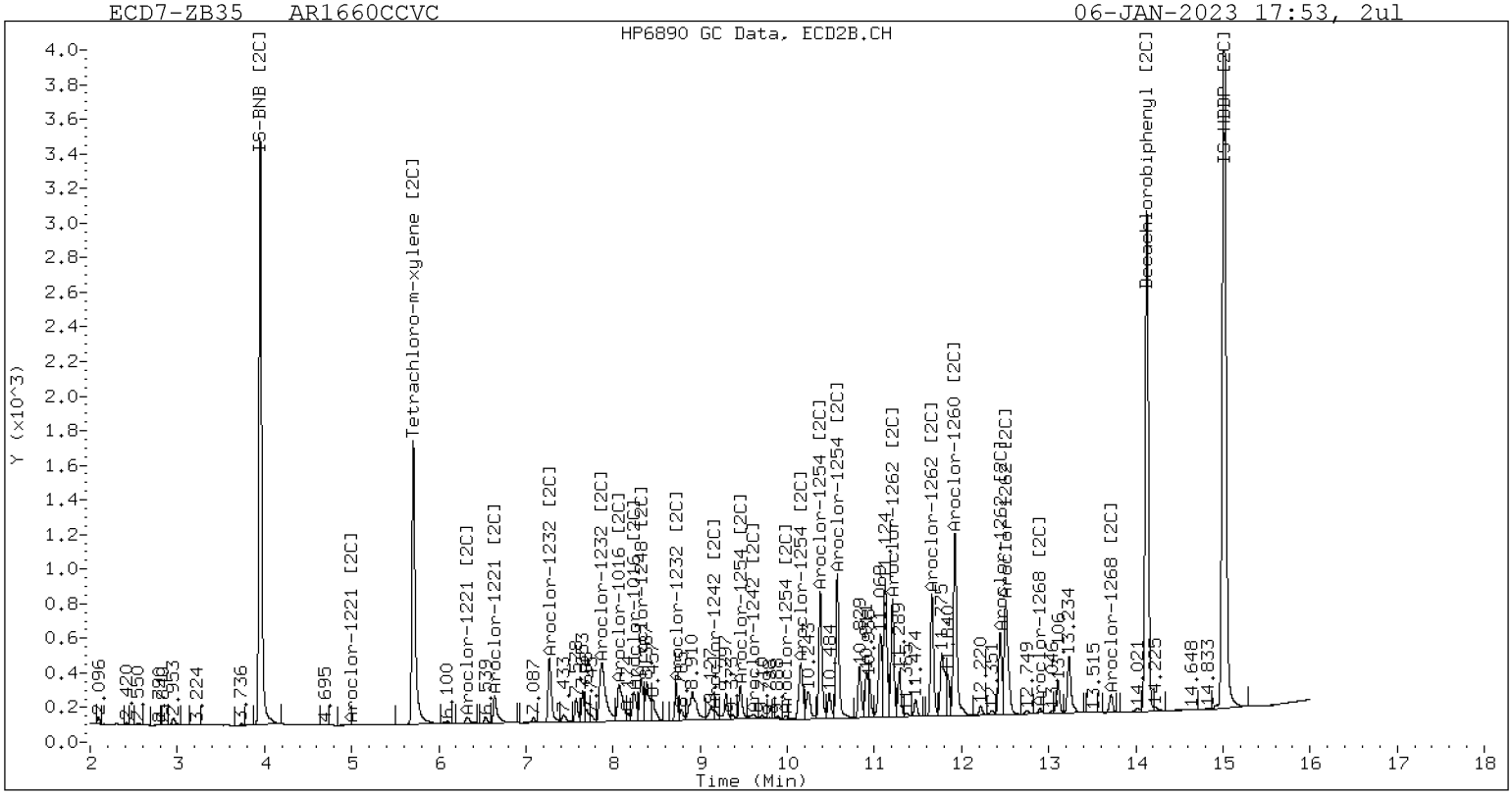
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVC 06-JAN-2023 17:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVC 06-JAN-2023 17:53, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052392ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVD	Injection Time:	20:21
Sequence Name:	AR1248CCVD		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	265	0.0490062	0.0536587		6.1	+/-20
Aroclor-1248 (1)	A	250.00	285		0.0392750			
Aroclor-1248 (2)	A	250.00	307		0.0539291			
Aroclor-1248 (3)	A	250.00	303		0.0957740			
Aroclor-1248 (4)	A	250.00	166		0.0256568			
Aroclor 1248 [2C]	A	250.00	259	0.0394876	0.0413866		3.4	+/-20
Aroclor-1248 (1) [2C]	A	250.00	266		0.0347484			
Aroclor-1248 (2) [2C]	A	250.00	195		0.0267774			
Aroclor-1248 (3) [2C]	A	250.00	290		0.0485348			
Aroclor-1248 (4) [2C]	A	250.00	283		0.0554859			
Decachlorobiphenyl	A	40.000	44.6	0.7333327	0.8179595		11.5	+/-20
Tetrachlorometaxylene	A	40.000	36.4	1.1336710	1.0303150		-9.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.2	1.1358180	1.1715930		3.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.3	1.0966080	1.0235560		-6.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

AR1248CCVD

Data file 1: /230105.b/01052392ECD7.D
Data file 2: /230105.b/230105.b/01052392ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248CCVD
Client ID:
Injection Date: 06-JAN-2023 20:21
Report Date: 01/13/2023 11:04
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.832	-0.002	166773	5.708	-0.002	113041	36.4	37.3	2.7	Tetrachloro-m-xylene
13.902	-0.000	243664	14.128	0.001	206621	44.6	41.3	7.8	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	323732	-27.7
Hexabromobiphenyl	798898	595785	-25.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	220879	-11.3
Hexabromobiphenyl	362541	352718	-2.7

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col					ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1248	1	8.422	-0.001	39733	285.5	1	8.321	0.000	23985	265.8
Aroclor-1248	2	8.598	-0.001	54558	307.0	2	8.725	-0.001	18483	194.8
Aroclor-1248	3	9.017	-0.000	96891	303.1	3	9.172	-0.001	33501	290.2
Aroclor-1248	4	9.310	-0.002	25956	165.7	4	9.592	-0.000	38299	282.6
Total Col1Ave (4 peaks):					265.3	Total Col2Ave (4 peaks):				258.3 RPD = 3
Corrected Ave (3 peaks):					251.4	Corrected Ave (3 peaks):				247.7 RPD = 1
CalAmt %D:					6.1	CalAmt %D:				3.3

Total PCB Area Col1 (5.933 - 13.802) = 927706 Col1 Total PCB = 0.3 ppm*

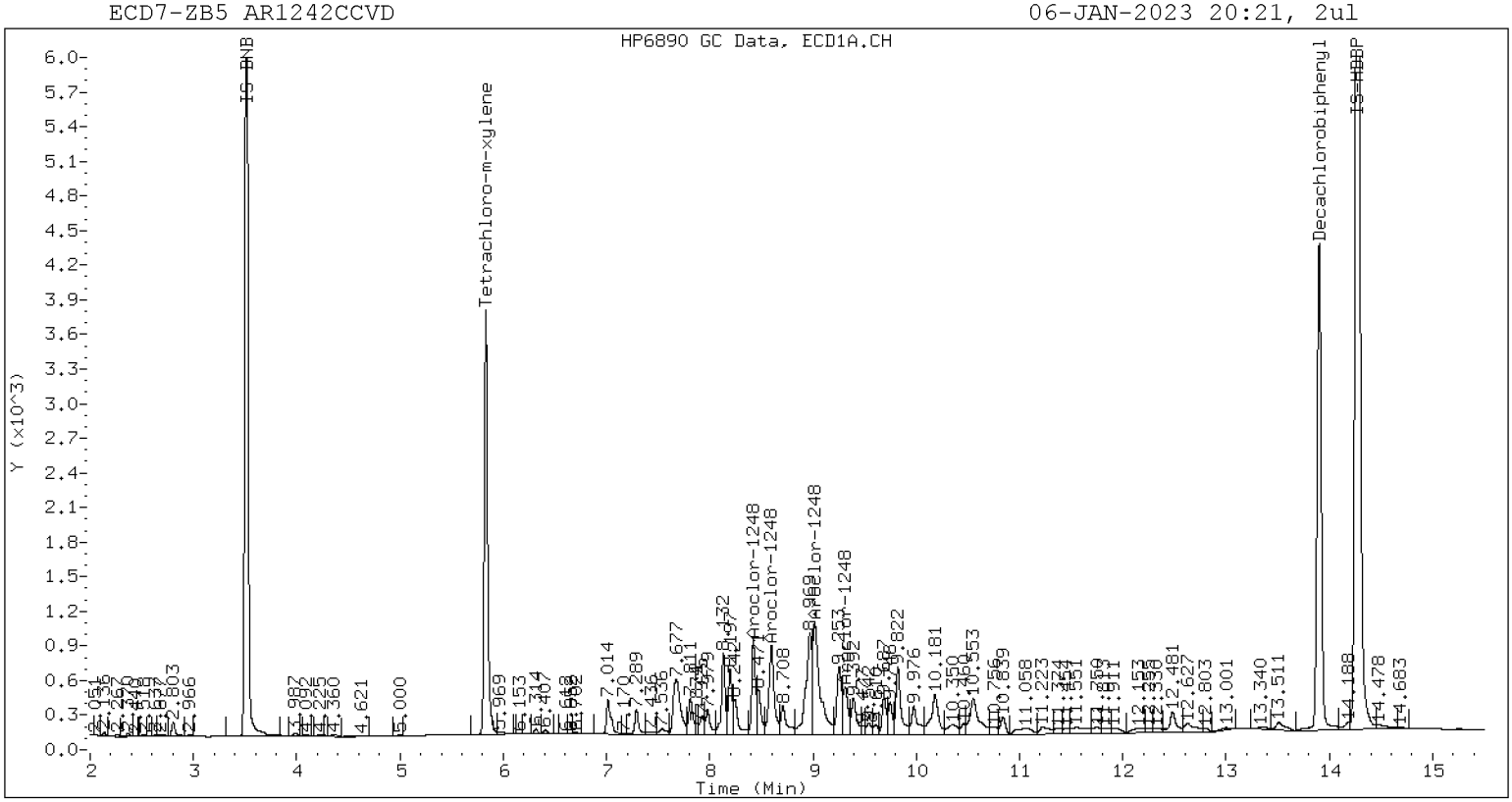
Total PCB Area Col2 (5.810 - 14.028) = 463637 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

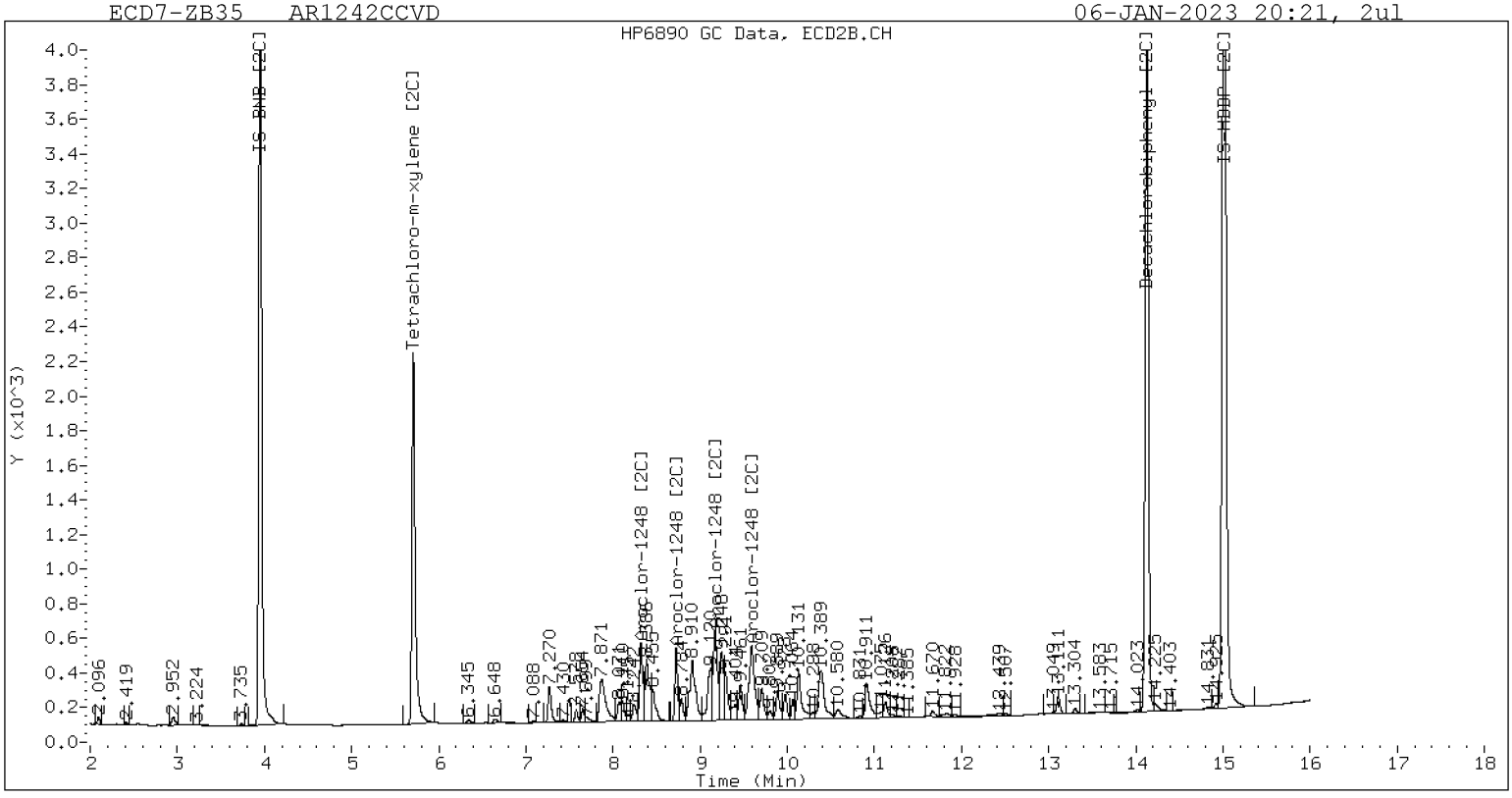
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCVD 06-JAN-2023 20:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCVD 06-JAN-2023 20:21, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052393ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVE	Injection Time:	20:42
Sequence Name:	AR1660CCVE		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	278	0.0441939	0.0484052		11.0	+/-20	
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291000		9.2		
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919557		6.8		
Aroclor-1016 (3)	A	250.00	279	0.0390425	0.0435823		11.6		
Aroclor-1016 (4)	A	250.00	291	0.0248899	0.0289829		16.4		
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0434824		-1.2	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	258	0.0409030	0.0422839		3.2		
Aroclor-1016 (2) [2C]	A	250.00	202	0.0882154	0.0713281		-19.2		
Aroclor-1016 (3) [2C]	A	250.00	253	0.0378846	0.0384131		1.2		
Aroclor-1016 (4) [2C]	A	250.00	275	0.0199212	0.0219044		10.0		
Aroclor 1260	A	250.00	316	0.0390342	0.0488894		26.2	+/-20	*
Aroclor-1260 (1)	A	250.00	324	0.0291201	0.0377734		29.6		
Aroclor-1260 (2)	A	250.00	318	0.0301181	0.0382805		27.2		
Aroclor-1260 (3)	A	250.00	311	0.0791351	0.0984380		24.4		
Aroclor-1260 (4)	A	250.00	301	0.0403003	0.0485753		20.4		
Aroclor-1260 (5)	A	250.00	324	0.0164974	0.0213796		29.6		
Aroclor 1260 [2C]	A	250.00	217	0.0617619	0.0491487		-13.3	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	253	0.0422283	0.0426844		1.2		
Aroclor-1260 (2) [2C]	A	250.00	170	0.1059643	0.0720918		-32.0		
Aroclor-1260 (3) [2C]	A	250.00	258	0.0282173	0.0291493		3.2		
Aroclor-1260 (4) [2C]	A	250.00	186	0.0706376	0.0526691		-25.6		
Decachlorobiphenyl	A	40.000	47.0	0.7333327	0.8623745		17.5	+/-20	
Tetrachlorometaxylene	A	40.000	39.4	1.1336710	1.1165900		-1.5	+/-20	
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1506640		1.3	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1050210		0.8	+/-20	

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052393ECD7.D
Data file 2: /230105.b/230105.b/01052393ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1660.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660CCVE
Client ID:
Injection Date: 06-JAN-2023 20:42
Report Date: 01/10/2023 11:53
Matrix: NONE
Dilution Factor: 1.0

SURROGATES

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
5.833	0.000	126556	5.710	0.000	86374	39.4	40.3	2.3	Tetrachloro-m-xylene
13.902	-0.002	197545	14.128	0.000	156194	47.0	40.5	14.9	Decachlorobiphenyl

* Indicates RPD > 40%

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	447645	226683	-49.4
Hexabromobiphenyl	798898	458142	-42.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	249094	156330	-37.2
Hexabromobiphenyl	362541	271485	-25.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 03-DEC-2022
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	7.290	0.001	20614	272.6	1	7.272	0.000	20657	258.4
Aroclor-1016	2	7.678	-0.002	65140	266.8	2	7.872	0.000	34846	202.1
Aroclor-1016	3	7.813	0.000	30873	279.1	3	8.072	0.000	18766	253.5
Aroclor-1016	4	8.424	-0.000	20531	291.1	4	8.242	0.000	10701	274.9
Total Col1Ave (4 peaks):					277.4	Total Col2Ave (4 peaks):				247.2 RPD = 11
Corrected Ave (3 peaks):					272.8	Corrected Ave (3 peaks):				238.0 RPD = 14
CalAmt %D:					11.0	CalAmt %D:				-1.1
Aroclor-1260	1	11.055	-0.000	54080	324.3	1	11.663	0.000	36213	252.7
Aroclor-1260	2	11.372	-0.000	54806	317.8	2	11.926	0.000	61162	170.1
Aroclor-1260	3	11.746	-0.000	140933	311.0	3	12.443	0.000	24730	258.3
Aroclor-1260	4	12.149	-0.001	69545	301.3	4	12.508	0.000	44684	186.4
Aroclor-1260	5	12.255	-0.001	30609	324.0	NS	---			----
Total Col1Ave (5 peaks):					315.7	Total Col2Ave (4 peaks):				216.9 RPD = 37
Corrected Ave (4 peaks):					313.5	Corrected Ave (3 peaks):				203.1 RPD = 43*
CalAmt %D:					26.3	CalAmt %D:				-13.3

Total PCB Area Col1 (5.933 - 13.804) = 1463756 Col1 Total PCB = 0.7 ppm*

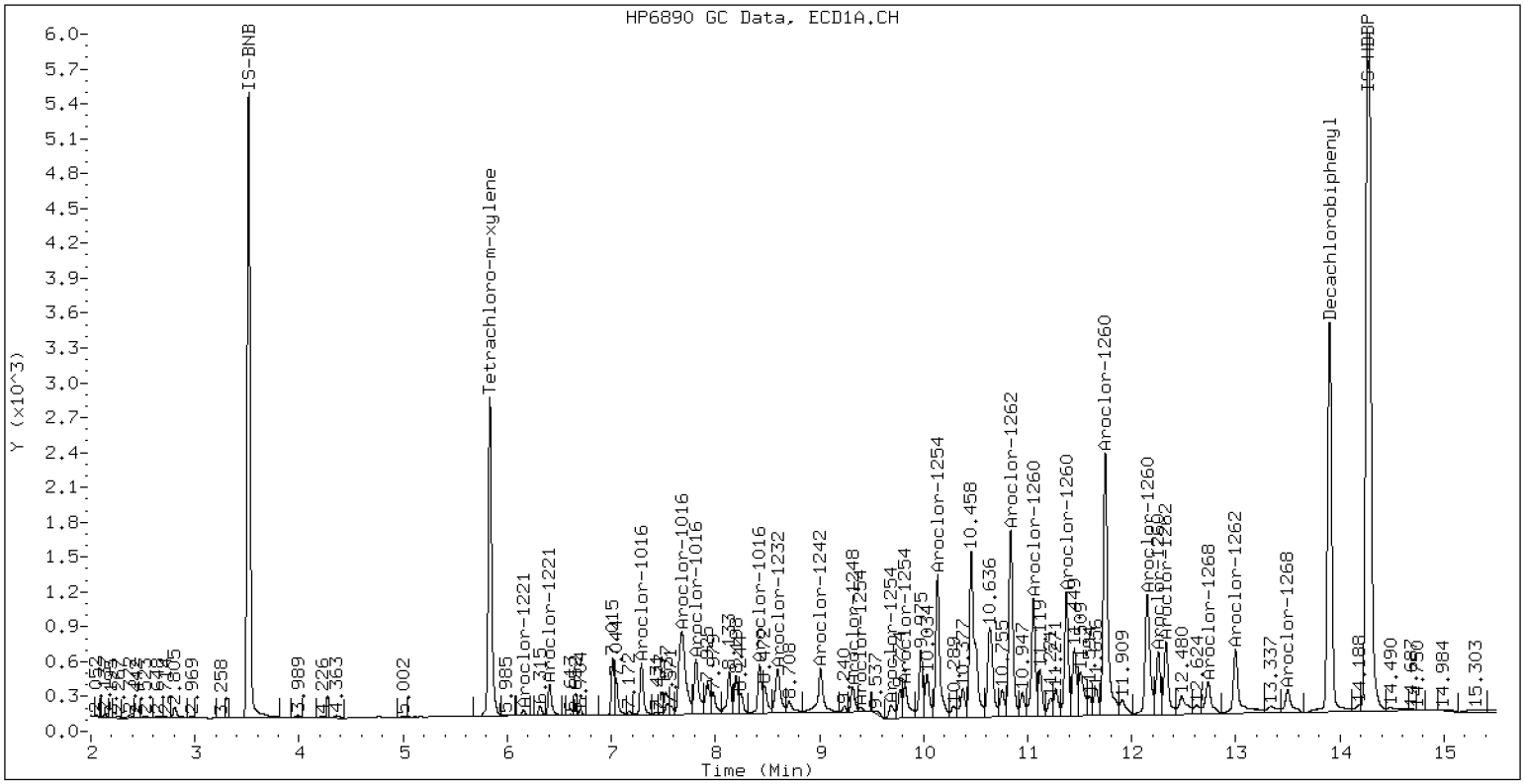
Total PCB Area Col2 (5.810 - 14.028) = 764316 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

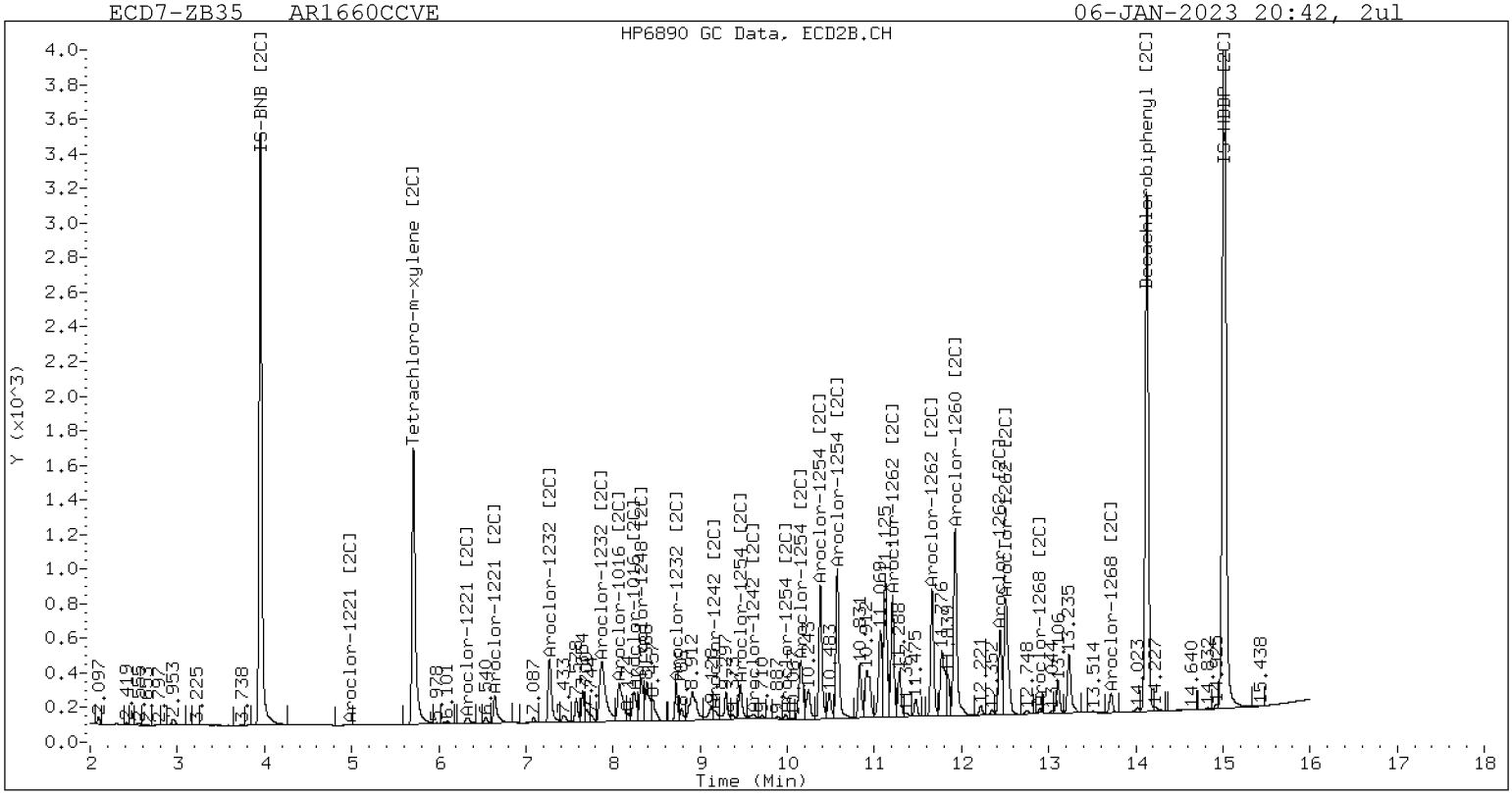
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVE 06-JAN-2023 20:42, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVE 06-JAN-2023 20:42, 2ul



ZB-35 Manual Integration: NO

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0048
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Cal Standard	SKL0048-CAL1	12032211ECD7.D	12032211ECD7.D	NA	12/03/22 18:19
Cal Standard	SKL0048-CAL2	12032212ECD7.D	12032212ECD7.D	NA	12/03/22 18:40
Cal Standard	SKL0048-CAL3	12032213ECD7.D	12032213ECD7.D	NA	12/03/22 19:01
Cal Standard	SKL0048-CAL4	12032214ECD7.D	12032214ECD7.D	NA	12/03/22 19:23
Cal Standard	SKL0048-CAL5	12032215ECD7.D	12032215ECD7.D	NA	12/03/22 19:44
Cal Standard	SKL0048-CAL6	12032216ECD7.D	12032216ECD7.D	NA	12/03/22 20:05
Cal Standard	SKL0048-CAL7	12032217ECD7.D	12032217ECD7.D	NA	12/03/22 20:26
Cal Standard	SKL0048-CAL8	12032218ECD7.D	12032218ECD7.D	NA	12/03/22 20:48
Cal Standard	SKL0048-CAL9	12032219ECD7.D	12032219ECD7.D	NA	12/03/22 21:09
Cal Standard	SKL0048-CALA	12032220ECD7.D	12032220ECD7.D	NA	12/03/22 21:30
Cal Standard	SKL0048-CALB	12032221ECD7.D	12032221ECD7.D	NA	12/03/22 21:52
Secondary Cal Check	SKL0048-SCV1	12032222ECD7.D	12032222ECD7.D	NA	12/03/22 22:13
Secondary Cal Check	SKL0048-SCV2	12032223ECD7.D	12032223ECD7.D	NA	12/03/22 22:34
Secondary Cal Check	SKL0048-SCV3	12032224ECD7.D	12032224ECD7.D	NA	12/03/22 22:55
Secondary Cal Check	SKL0048-SCV4	12032225ECD7.D	12032225ECD7.D	NA	12/03/22 23:17
Secondary Cal Check	SKL0048-SCV5	12032226ECD7.D	12032226ECD7.D	NA	12/03/22 23:38
Secondary Cal Check	SKL0048-SCV6	12032227ECD7.D	12032227ECD7.D	NA	12/03/22 23:59

Printed: 12/6/2022 9:25:24AM

ANALYSIS SEQUENCE

SKL0048

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0048-CAL1	0.25PPM AR1660	QC		1	K006954	K006953		
SKL0048-CAL2	0.02PPM AR1660	QC		2	K010070	K006953		
SKL0048-CAL3	0.05PPM AR1660	QC		3	K010069	K006953		
SKL0048-CAL4	1PPM AR1660	QC		4	K006741	K006953		
SKL0048-CAL5	0.1PPM AR1660	QC		5	K010068	K006953		
SKL0048-CAL6	0.5PPM AR1660	QC		6	K010067	K006953		
SKL0048-CAL7	0.25PPM AR1242	QC		7	K006955	K006953		
SKL0048-CAL8	0.25PPM AR1248	QC		8	K006956	K006953		
SKL0048-CAL9	0.25PPM AR1254	QC		9	K006957	K006953		
SKL0048-CALA	0.25PPM AR2162	QC		10	K010071	K006953		
SKL0048-CALB	0.25PPM AR3268	QC		11	K010072	K006953		
SKL0048-SCV1	AR1660SCV1	QC		12	K007655	K006953		
SKL0048-SCV2	AR1242SCV2	QC		13	K007656	K006953		
SKL0048-SCV3	AR1248SCV3	QC		14	K007657	K006953		
SKL0048-SCV4	AR1254SCV4	QC		15	K007658	K006953		
SKL0048-SCV5	AR2162SCV5	QC		16	K007659	K006953		
SKL0048-SCV6	AR3268SCV6	QC		17	K007660	K006953		

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	03-DEC-2022 17:58	12032210ECD7.D	1	IB	
2	03-DEC-2022 18:19	12032211ECD7.D	1	0.25PPAR1660	
3	03-DEC-2022 18:40	12032212ECD7.D	1	0.02PPAR1660	
4	03-DEC-2022 19:01	12032213ECD7.D	1	0.05PPAR1660	
5	03-DEC-2022 19:23	12032214ECD7.D	1	1PPMAR1660	
6	03-DEC-2022 19:44	12032215ECD7.D	1	0.1PPMAR1660	
7	03-DEC-2022 20:05	12032216ECD7.D	1	0.5PPMAR1660	
8	03-DEC-2022 20:26	12032217ECD7.D	1	AR1242	
9	03-DEC-2022 20:48	12032218ECD7.D	1	AR1248	
10	03-DEC-2022 21:09	12032219ECD7.D	1	AR1254	
11	03-DEC-2022 21:30	12032220ECD7.D	1	AR2162	
12	03-DEC-2022 21:52	12032221ECD7.D	1	AR3268	
13	03-DEC-2022 22:13	12032222ECD7.D	1	AR1660SCV1	
14	03-DEC-2022 22:34	12032223ECD7.D	1	AR1242SCV2	
15	03-DEC-2022 22:55	12032224ECD7.D	1	AR1248SCV3	
16	03-DEC-2022 23:17	12032225ECD7.D	1	AR1254SCV4	
17	03-DEC-2022 23:38	12032226ECD7.D	1	AR2162SCV5	
18	03-DEC-2022 23:59	12032227ECD7.D	1	AR3268SCV6	
19	04-DEC-2022 00:20	12032228ECD7.D	1	0.1 PPM DDTS	
20	04-DEC-2022 00:42	12032229ECD7.D	1	DDT BD	
21	04-DEC-2022 01:03	12032230ECD7.D	1	AR1254ICV1	
22	04-DEC-2022 01:24	12032231ECD7.D	1	AR1660ICV2	
23	04-DEC-2022 01:46	12032232ECD7.D	1	BKK0834-BLK1	
24	04-DEC-2022 02:07	12032233ECD7.D	1	BKK0834-BS1	
25	04-DEC-2022 02:28	12032234ECD7.D	1	BKK0834-BSD1	
26	04-DEC-2022 02:49	12032235ECD7.D	1	22K0523-01	
27	04-DEC-2022 03:11	12032236ECD7.D	1	22K0525-01	
28	04-DEC-2022 03:32	12032237ECD7.D	1	BKK0374-BLK1	
29	04-DEC-2022 03:53	12032238ECD7.D	1	BKK0374-BS1	
30	04-DEC-2022 04:15	12032239ECD7.D	1	BKK0374-BSD1	
31	04-DEC-2022 04:36	12032240ECD7.D	1	22K0161-01	
32	04-DEC-2022 04:57	12032241ECD7.D	1	AR1248CCV1	
33	04-DEC-2022 05:18	12032242ECD7.D	1	AR1660CCV2	
34	04-DEC-2022 05:40	12032243ECD7.D	1	BKL0017-BLK1	
35	04-DEC-2022 06:01	12032244ECD7.D	1	BKL0017-BS1	
36	04-DEC-2022 06:22	12032245ECD7.D	1	BKL0017-BSD1	
37	04-DEC-2022 06:44	12032246ECD7.D	1	22J0139-01	
38	04-DEC-2022 07:05	12032247ECD7.D	1	BKK0383-BLK1	
39	04-DEC-2022 07:26	12032248ECD7.D	1	BKK0383-BS1	
40	04-DEC-2022 07:47	12032249ECD7.D	1	BKK0383-BSD	
41	04-DEC-2022 08:09	12032250ECD7.D	1	22K0075-01	
42	04-DEC-2022 08:30	12032251ECD7.D	1	BKK00803-BLK1	
43	04-DEC-2022 08:51	12032252ECD7.D	1	BKK00803-BS1	
44	04-DEC-2022 09:13	12032253ECD7.D	1	BKK00803-BSD1	
45	04-DEC-2022 09:34	12032254ECD7.D	1	22K0511-01	
46	04-DEC-2022 09:55	12032255ECD7.D	1	AR1242CCV3	
47	04-DEC-2022 10:17	12032256ECD7.D	1	AR1660CCV4	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

Instrument: ecd7.i Date: 03-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1758	12032210ECD7.D	IB	1	NO MANUAL INTEGRATION
1819	12032211ECD7.D	0.25PPAR1660	1	NO MANUAL INTEGRATION
1840	12032212ECD7.D	0.02PPAR1660	1	NO MANUAL INTEGRATION
1901	12032213ECD7.D	0.05PPAR1660	1	NO MANUAL INTEGRATION
1923	12032214ECD7.D	1PPMAR1660	1	NO MANUAL INTEGRATION
1944	12032215ECD7.D	0.1PPMAR1660	1	NO MANUAL INTEGRATION
2005	12032216ECD7.D	0.5PPMAR1660	1	NO MANUAL INTEGRATION
2026	12032217ECD7.D	AR1242	1	Aroclor-1242,
2048	12032218ECD7.D	AR1248	1	NO MANUAL INTEGRATION
2109	12032219ECD7.D	AR1254	1	NO MANUAL INTEGRATION
2130	12032220ECD7.D	AR2162	1	NO MANUAL INTEGRATION
2152	12032221ECD7.D	AR3268	1	NO MANUAL INTEGRATION
2213	12032222ECD7.D	AR1660SCV1	1	NO MANUAL INTEGRATION
2234	12032223ECD7.D	AR1242SCV2	1	NO MANUAL INTEGRATION
2255	12032224ECD7.D	AR1248SCV3	1	NO MANUAL INTEGRATION
2317	12032225ECD7.D	AR1254SCV4	1	NO MANUAL INTEGRATION
2338	12032226ECD7.D	AR2162SCV5	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b page 2

Instrument: ecd7.i Date: 03-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
2359	12032227ECD7.D	AR3268SCV6	1	NO MANUAL INTEGRATION

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0282
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0282-ICV1	12192202ECD7.D	12192202ECD7.D	NA	12/19/22 14:56
Initial Cal Check	SKL0282-ICV2	12192203ECD7.D	12192203ECD7.D	NA	12/19/22 15:17
Calibration Check	SKL0282-CCV1	12192213ECD7.D	12192213ECD7.D	NA	12/19/22 18:49
Calibration Check	SKL0282-CCV2	12192214ECD7.D	12192214ECD7.D	NA	12/19/22 19:11
Calibration Check	SKL0282-CCV3	12192223ECD7.D	12192223ECD7.D	NA	12/19/22 22:21
Calibration Check	SKL0282-CCV4	12192224ECD7.D	12192224ECD7.D	NA	12/19/22 22:43
Calibration Check	SKL0282-CCV5	12192239ECD7.D	12192239ECD7.D	NA	12/20/22 04:01
Calibration Check	SKL0282-CCV6	12192240ECD7.D	12192240ECD7.D	NA	12/20/22 04:22
Calibration Check	SKL0282-CCV7	12192249ECD7.D	12192249ECD7.D	NA	12/20/22 07:33
Calibration Check	SKL0282-CCV8	12192250ECD7.D	12192250ECD7.D	NA	12/20/22 07:54
Blank	BKL0226-BLK1	12192251ECD7.D	12192251ECD7.D	Solid	12/20/22 08:15
LCS	BKL0226-BS1	12192252ECD7.D	12192252ECD7.D	Solid	12/20/22 08:37
LCS Dup	BKL0226-BSD1	12192253ECD7.D	12192253ECD7.D	Solid	12/20/22 08:58
LDW22-SC776A	BKL0226-MS1	12192254ECD7.D	12192254ECD7.D	Solid	12/20/22 09:19
LDW22-SC776A	BKL0226-MSD1	12192255ECD7.D	12192255ECD7.D	Solid	12/20/22 09:40
Reference	BKL0226-SRM1	12192256ECD7.D	12192256ECD7.D	Solid	12/20/22 10:02
LDW22-SC785D	22L0137-21	12192257ECD7.D	12192257ECD7.D	Solid	12/20/22 10:23
LDW22-SC785E	22L0137-22	12192258ECD7.D	12192258ECD7.D	Solid	12/20/22 10:44
LDW22-SC785F	22L0137-23	12192259ECD7.D	12192259ECD7.D	Solid	12/20/22 11:05
Calibration Check	SKL0282-CCV9	12192260ECD7.D	12192260ECD7.D	NA	12/20/22 11:27
Calibration Check	SKL0282-CCVA	12192261ECD7.D	12192261ECD7.D	NA	12/20/22 11:48

Printed: 12/21/2022 4:06:20PM

ANALYSIS SEQUENCE

SKL0282

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0282-ICV1	AR1254ICV1	QC		1	K006957	K006953		
SKL0282-ICV2	AR1660ICV2	QC		2	K006954	K006953		
BKL0158-MSD1	Matrix Spike Dup	QC		3		K006953		
22L0105-17	LDW22-SC775L	8082A PCB Solid 4	A 01	4		K006953		
22L0105-18	LDW22-SC775M	8082A PCB Solid 4	A 01	5		K006953		
22L0105-19	LDW22-IT796	8082A PCB Solid 4	A 01	6		K006953		
22L0105-23	LDW22-SC782D	8082A PCB Solid 4	A 01	7		K006953		
22L0105-24	LDW22-SC782E	8082A PCB Solid 4	A 01	8		K006953		
22L0105-25	LDW22-SC782F	8082A PCB Solid 4	A 01	9		K006953		
22L0105-26	LDW22-SC782G	8082A PCB Solid 4	A 01	10		K006953		
SKL0282-CCV1	AR1248CCV1	QC		11	K006956	K006953		
SKL0282-CCV2	AR1660CCV2	QC		12	K006954	K006953		
22L0105-27	LDW22-SC782H	8082A PCB Solid 4	A 01	13		K006953		
22L0105-28	LDW22-SC782I	8082A PCB Solid 4	A 01	14		K006953		
22L0105-29	LDW22-SC782J	8082A PCB Solid 4	A 01	15		K006953		
22L0105-30	LDW22-SC782K	8082A PCB Solid 4	A 01	16		K006953		
22L0105-31	LDW22-SC782L	8082A PCB Solid 4	A 01	17		K006953		
22L0105-32	LDW22-SC782M	8082A PCB Solid 4	A 01	18		K006953		
22L0105-33	LDW22-SC782N	8082A PCB Solid 4	A 01	19		K006953		
22L0268-01	2-83 Pressure Wash Tank#1	8082A PCB Water 0.01	B 01	20		K006953		
SKL0282-CCV3	AR1242CCV3	QC		21	K006955	K006953		
SKL0282-CCV4	AR1660CCV4	QC		22	K006954	K006953		

Printed: 12/21/2022 4:06:20PM

ANALYSIS SEQUENCE

SKL0282

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
BKL0157-BLK1	Blank	QC		23		K006953		
BKL0157-BS1	LCS	QC		24		K006953		
BKL0157-BSD1	LCS Dup	QC		25		K006953		
BKL0157-SRM1	Reference	QC		26		K006953		
BKL0157-MS1	Matrix Spike	QC		27		K006953		
BKL0157-MSD1	Matrix Spike Dup	QC		28		K006953		
22L0105-01	LDW22-SC772	8082A PCB Solid 4	A 01	29		K006953		
22L0105-02	LDW22-SC771	8082A PCB Solid 4	A 01	30		K006953		
22L0105-03	LDW22-SC756	8082A PCB Solid 4	A 01	31		K006953		
22L0105-04	LDW22-SC780	8082A PCB Solid 4	A 01	32		K006953		
22L0105-05	LDW22-IT792	8082A PCB Solid 4	A 01	33		K006953		
22L0105-06	LDW22-SC775A	8082A PCB Solid 4	A 01	34		K006953		
22L0105-07	LDW22-SC775B	8082A PCB Solid 4	A 01	35		K006953		
22L0105-08	LDW22-SC775C	8082A PCB Solid 4	A 01	36		K006953		
SKL0282-CCV5	AR1254CCV5	QC		37	K006957	K006953		
SKL0282-CCV6	AR1660CCV6	QC		38	K006954	K006953		
22L0105-09	LDW22-SC775D	8082A PCB Solid 4	A 01	39		K006738		
22L0105-10	LDW22-SC775E	8082A PCB Solid 4	A 01	40		K006738		
22L0105-11	LDW22-SC775F	8082A PCB Solid 4	A 01	41		K006738		
22L0105-12	LDW22-SC775G	8082A PCB Solid 4	A 01	42		K006738		
22L0105-13	LDW22-SC775H	8082A PCB Solid 4	A 01	43		K006738		
22L0105-14	LDW22-SC775I	8082A PCB Solid 4	A 01	44		K006738		

ANALYSIS SEQUENCE

SKL0282

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
22L0105-15	LDW22-SC775J	8082A PCB Solid 4	A 01	45		K006738		
22L0105-16	LDW22-SC775K	8082A PCB Solid 4	A 01	46		K006738		
SKL0282-CCV7	AR1248CCV7	QC		47	K006956	K006953		
SKL0282-CCV8	AR1660CCV8	QC		48	K006954	K006953		
BKL0226-BLK1	Blank	QC		49		K006953		
BKL0226-BS1	LCS	QC		50		K006953		
BKL0226-BSD1	LCS Dup	QC		51		K006953		
BKL0226-SRM1	Reference	QC		52		K006953		
BKL0226-MS1	Matrix Spike	QC		53		K006953		
BKL0226-MSD1	Matrix Spike Dup	QC		54		K006953		
22L0137-21	LDW22-SC785D	8082A PCB Solid 4	B 01	55		K006953		
22L0137-22	LDW22-SC785E	8082A PCB Solid 4	B 01	56		K006953		
22L0137-23	LDW22-SC785F	8082A PCB Solid 4	B 01	57		K006953		
SKL0282-CCV9	AR1242CCV9	QC		58	K006955	K006953		
SKL0282-CCVA	AR1660CCVA	QC		59	K006954	K006953		

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221219.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	19-DEC-2022 14:35	12192201ECD7.D	1		
2	19-DEC-2022 14:56	12192202ECD7.D	1	AR1254ICV1	
3	19-DEC-2022 15:17	12192203ECD7.D	1	AR1660ICV2	
4	19-DEC-2022 15:39	12192204ECD7.D	1	22L0136-11	
5	19-DEC-2022 16:00	12192205ECD7.D	1	BKL0156-MSD1	
6	19-DEC-2022 16:21	12192206ECD7.D	10	22L0105-17RE1	
7	19-DEC-2022 16:42	12192207ECD7.D	10	22L0105-18RE1	
8	19-DEC-2022 17:03	12192208ECD7.D	5	22L0105-19RE1	
9	19-DEC-2022 17:24	12192209ECD7.D	1	22L0105-23	
10	19-DEC-2022 17:46	12192210ECD7.D	5	22L0105-24RE1	
11	19-DEC-2022 18:07	12192211ECD7.D	10	22L0105-25RE1	
12	19-DEC-2022 18:28	12192212ECD7.D	5	22L0105-26RE1	
13	19-DEC-2022 18:49	12192213ECD7.D	1	AR1248CCV1	
14	19-DEC-2022 19:11	12192214ECD7.D	1	AR1660CCV2	
15	19-DEC-2022 19:32	12192215ECD7.D	5	22L0105-27RE1	
16	19-DEC-2022 19:53	12192216ECD7.D	5	22L0105-28RE1	
17	19-DEC-2022 20:14	12192217ECD7.D	10	22L0105-29RE1	
18	19-DEC-2022 20:35	12192218ECD7.D	10	22L0105-30RE1	
19	19-DEC-2022 20:57	12192219ECD7.D	5	22L0105-31RE1	
20	19-DEC-2022 21:18	12192220ECD7.D	1	22L0105-32	
21	19-DEC-2022 21:39	12192221ECD7.D	1	22L0105-33	
22	19-DEC-2022 22:00	12192222ECD7.D	5	22L0268-01RE1	
23	19-DEC-2022 22:21	12192223ECD7.D	1	AR1242CCV3	
24	19-DEC-2022 22:43	12192224ECD7.D	1	AR1660CCV4	
25	19-DEC-2022 23:04	12192225ECD7.D	1	BKL0157-BLK1	
26	19-DEC-2022 23:25	12192226ECD7.D	1	BKL0157-BS1	
27	19-DEC-2022 23:46	12192227ECD7.D	1	BKL0157-BSD1	
28	20-DEC-2022 00:07	12192228ECD7.D	1	BKL0157-MS1	
29	20-DEC-2022 00:29	12192229ECD7.D	1	BKL0157-MSD1	
30	20-DEC-2022 00:50	12192230ECD7.D	1	BKL0157-SRM1	
31	20-DEC-2022 01:11	12192231ECD7.D	1	22L0105-01	
32	20-DEC-2022 01:32	12192232ECD7.D	1	22L0105-02	
33	20-DEC-2022 01:53	12192233ECD7.D	1	22L0105-03	
34	20-DEC-2022 02:15	12192234ECD7.D	1	22L0105-04	
35	20-DEC-2022 02:36	12192235ECD7.D	1	22L0105-05	
36	20-DEC-2022 02:57	12192236ECD7.D	1	22L0105-06	
37	20-DEC-2022 03:18	12192237ECD7.D	1	22L0105-07	
38	20-DEC-2022 03:39	12192238ECD7.D	1	22L0105-08	
39	20-DEC-2022 04:01	12192239ECD7.D	1	AR1254CCV5	
40	20-DEC-2022 04:22	12192240ECD7.D	1	AR1660CCV6	
41	20-DEC-2022 04:43	12192241ECD7.D	1	22L0105-09	
42	20-DEC-2022 05:04	12192242ECD7.D	1	22L0105-10	
43	20-DEC-2022 05:25	12192243ECD7.D	1	22L0105-11	
44	20-DEC-2022 05:47	12192244ECD7.D	1	22L0105-12	
45	20-DEC-2022 06:08	12192245ECD7.D	1	22L0105-13	

46	20-DEC-2022	06:29	12192246ECD7.D	1	22L0105-14
47	20-DEC-2022	06:50	12192247ECD7.D	1	22L0105-15
48	20-DEC-2022	07:12	12192248ECD7.D	1	22L0105-16
49	20-DEC-2022	07:33	12192249ECD7.D	1	AR1248CCV7
50	20-DEC-2022	07:54	12192250ECD7.D	1	AR1660CCV8

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221219.b p2

	Inject Date/Time	Filename	DF	LabID	ClientID
51	20-DEC-2022 08:15	12192251ECD7.D	1	BKL0226-BLK1	
52	20-DEC-2022 08:37	12192252ECD7.D	1	BKL0226-BS1	
53	20-DEC-2022 08:58	12192253ECD7.D	1	BKL0226-BSD1	
54	20-DEC-2022 09:19	12192254ECD7.D	1	BKL0226-MS1	
55	20-DEC-2022 09:40	12192255ECD7.D	1	BKL0226-MSD1	
56	20-DEC-2022 10:02	12192256ECD7.D	1	BKL0226-SRM1	
57	20-DEC-2022 10:23	12192257ECD7.D	1	22L0137-21	
58	20-DEC-2022 10:44	12192258ECD7.D	1	22L0137-22	
59	20-DEC-2022 11:05	12192259ECD7.D	1	22L0137-23	
60	20-DEC-2022 11:27	12192260ECD7.D	1	AR1242CCV9	
61	20-DEC-2022 11:48	12192261ECD7.D	1	AR1660CCVA	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221219.b

Instrument: ecd7.i Date: 19-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1456	12192202ECD7.D	AR1254ICV1	1	NO MANUAL INTEGRATION
1517	12192203ECD7.D	AR1660ICV2	1	NO MANUAL INTEGRATION
1539	12192204ECD7.D	22L0136-11	1	NO MANUAL INTEGRATION
1600	12192205ECD7.D	BKL0156-MSD1	1	NO MANUAL INTEGRATION
1621	12192206ECD7.D	22L0105-17RE1	10	NO MANUAL INTEGRATION
1642	12192207ECD7.D	22L0105-18RE1	10	NO MANUAL INTEGRATION
1703	12192208ECD7.D	22L0105-19RE1	5	NO MANUAL INTEGRATION
1724	12192209ECD7.D	22L0105-23	1	NO MANUAL INTEGRATION
1746	12192210ECD7.D	22L0105-24RE1	5	NO MANUAL INTEGRATION
1807	12192211ECD7.D	22L0105-25RE1	10	NO MANUAL INTEGRATION
1828	12192212ECD7.D	22L0105-26RE1	5	NO MANUAL INTEGRATION
1849	12192213ECD7.D	AR1248CCV1	1	NO MANUAL INTEGRATION
1911	12192214ECD7.D	AR1660CCV2	1	NO MANUAL INTEGRATION
1932	12192215ECD7.D	22L0105-27RE1	5	NO MANUAL INTEGRATION
1953	12192216ECD7.D	22L0105-28RE1	5	NO MANUAL INTEGRATION
2014	12192217ECD7.D	22L0105-29RE1	10	NO MANUAL INTEGRATION
2035	12192218ECD7.D	22L0105-30RE1	10	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 19-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
2057	12192219ECD7.D	22L0105-31RE1	5	NO MANUAL INTEGRATION
2118	12192220ECD7.D	22L0105-32	1	NO MANUAL INTEGRATION
2139	12192221ECD7.D	22L0105-33	1	NO MANUAL INTEGRATION
2200	12192222ECD7.D	22L0268-01RE1	5	NO MANUAL INTEGRATION
2221	12192223ECD7.D	AR1242CCV3	1	Aroclor-1242,
2243	12192224ECD7.D	AR1660CCV4	1	NO MANUAL INTEGRATION
2304	12192225ECD7.D	BKL0157-BLK1	1	NO MANUAL INTEGRATION
2325	12192226ECD7.D	BKL0157-BS1	1	NO MANUAL INTEGRATION
2346	12192227ECD7.D	BKL0157-BSD1	1	NO MANUAL INTEGRATION
0007	12192228ECD7.D	BKL0157-MS1	1	NO MANUAL INTEGRATION
0029	12192229ECD7.D	BKL0157-MSD1	1	Aroclor-1016, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254,
0050	12192230ECD7.D	BKL0157-SRM1	1	NO MANUAL INTEGRATION
0111	12192231ECD7.D	22L0105-01	1	NO MANUAL INTEGRATION
0132	12192232ECD7.D	22L0105-02	1	NO MANUAL INTEGRATION
0153	12192233ECD7.D	22L0105-03	1	NO MANUAL INTEGRATION
0215	12192234ECD7.D	22L0105-04	1	NO MANUAL INTEGRATION
0236	12192235ECD7.D	22L0105-05	1	NO MANUAL INTEGRATION
0257	12192236ECD7.D	22L0105-06	1	Aroclor-1248, Aroclor-1254,

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0318	12192237ECD7.D	22L0105-07	1	NO MANUAL INTEGRATION
0339	12192238ECD7.D	22L0105-08	1	NO MANUAL INTEGRATION
0401	12192239ECD7.D	AR1254CCV5	1	NO MANUAL INTEGRATION
0422	12192240ECD7.D	AR1660CCV6	1	Aroclor-1016, Aroclor-1260,
0443	12192241ECD7.D	22L0105-09	1	NO MANUAL INTEGRATION
0504	12192242ECD7.D	22L0105-10	1	NO MANUAL INTEGRATION
0525	12192243ECD7.D	22L0105-11	1	NO MANUAL INTEGRATION
0547	12192244ECD7.D	22L0105-12	1	NO MANUAL INTEGRATION
0608	12192245ECD7.D	22L0105-13	1	NO MANUAL INTEGRATION
0629	12192246ECD7.D	22L0105-14	1	NO MANUAL INTEGRATION
0650	12192247ECD7.D	22L0105-15	1	NO MANUAL INTEGRATION
0712	12192248ECD7.D	22L0105-16	1	NO MANUAL INTEGRATION
0733	12192249ECD7.D	AR1248CCV7	1	NO MANUAL INTEGRATION
0754	12192250ECD7.D	AR1660CCV8	1	Aroclor-1016, Aroclor-1260,
0815	12192251ECD7.D	BKL0226-BLK1	1	NO MANUAL INTEGRATION
0837	12192252ECD7.D	BKL0226-BS1	1	NO MANUAL INTEGRATION
0858	12192253ECD7.D	BKL0226-BSD1	1	NO MANUAL INTEGRATION
0919	12192254ECD7.D	BKL0226-MS1	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0940	12192255ECD7.D	BKL0226-MSD1	1	Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1262, Tetrachloro-m-xylene,
1002	12192256ECD7.D	BKL0226-SRM1	1	NO MANUAL INTEGRATION
1023	12192257ECD7.D	22L0137-21	1	NO MANUAL INTEGRATION
1044	12192258ECD7.D	22L0137-22	1	NO MANUAL INTEGRATION
1105	12192259ECD7.D	22L0137-23	1	NO MANUAL INTEGRATION
1127	12192260ECD7.D	AR1242CCV9	1	Aroclor-1242, IS-HBBP, Decachlorobiphenyl,
1148	12192261ECD7.D	AR1660CCVA	1	Aroclor-1016, Aroclor-1260, IS-HBBP,

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0304-ICV1	12202202ECD7.D	12202202ECD7.D	NA	12/20/22 13:07
Initial Cal Check	SKL0304-ICV2	12202203ECD7.D	12202203ECD7.D	NA	12/20/22 13:28
LDW22-SC785G	22L0137-24	12202204ECD7.D	12202204ECD7.D	Solid	12/20/22 13:49
LDW22-SC785H	22L0137-25	12202205ECD7.D	12202205ECD7.D	Solid	12/20/22 14:10
LDW22-SC785I	22L0137-26	12202206ECD7.D	12202206ECD7.D	Solid	12/20/22 14:31
LDW22-SC785J	22L0137-27	12202207ECD7.D	12202207ECD7.D	Solid	12/20/22 14:53
LDW22-SC785K	22L0137-28	12202208ECD7.D	12202208ECD7.D	Solid	12/20/22 15:14
LDW22-SC785L	22L0137-29	12202209ECD7.D	12202209ECD7.D	Solid	12/20/22 15:35
LDW22-SC785M	22L0137-30	12202210ECD7.D	12202210ECD7.D	Solid	12/20/22 15:56
LDW22-SC785N	22L0137-31	12202211ECD7.D	12202211ECD7.D	Solid	12/20/22 16:17
LDW22-SC785A-FD	22L0137-32	12202212ECD7.D	12202212ECD7.D	Solid	12/20/22 16:39
LDW22-SC776A	22L0137-33	12202213ECD7.D	12202213ECD7.D	Solid	12/20/22 17:00
Calibration Check	SKL0304-CCV1	12202214ECD7.D	12202214ECD7.D	NA	12/20/22 17:21
Calibration Check	SKL0304-CCV2	12202215ECD7.D	12202215ECD7.D	NA	12/20/22 17:42
LDW22-SC776C	22L0137-35	12202217ECD7.D	12202217ECD7.D	Solid	12/20/22 18:25
LDW22-SC776D	22L0137-36	12202218ECD7.D	12202218ECD7.D	Solid	12/20/22 18:46
LDW22-SC776E	22L0137-37	12202219ECD7.D	12202219ECD7.D	Solid	12/20/22 19:07
LDW22-SC776E-FD	22L0137-38	12202220ECD7.D	12202220ECD7.D	Solid	12/20/22 19:29
LDW22-SC776F	22L0137-39	12202221ECD7.D	12202221ECD7.D	Solid	12/20/22 19:50
LDW22-SC776G	22L0137-40	12202222ECD7.D	12202222ECD7.D	Solid	12/20/22 20:11
Calibration Check	SKL0304-CCV3	12202223ECD7.D	12202223ECD7.D	NA	12/20/22 20:32
Calibration Check	SKL0304-CCV4	12202224ECD7.D	12202224ECD7.D	NA	12/20/22 20:53
Calibration Check	SKL0304-CCV5	12202242ECD7.D	12202242ECD7.D	NA	12/21/22 03:15
Calibration Check	SKL0304-CCV6	12202243ECD7.D	12202243ECD7.D	NA	12/21/22 03:36
Blank	BKL0282-BLK1	12202244ECD7.D	12202244ECD7.D	Solid	12/21/22 03:57
LCS	BKL0282-BS1	12202245ECD7.D	12202245ECD7.D	Solid	12/21/22 04:19
LCS Dup	BKL0282-BSD1	12202246ECD7.D	12202246ECD7.D	Solid	12/21/22 04:40
Reference	BKL0282-SRM1	12202247ECD7.D	12202247ECD7.D	Solid	12/21/22 05:01
LDW22-SC769K	BKL0282-MS1	12202248ECD7.D	12202248ECD7.D	Solid	12/21/22 05:22

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
LDW22-SC769K	BKL0282-MSD1	12202249ECD7.D	12202249ECD7.D	Solid	12/21/22 05:43
LDW22-SC769C	22L0137-61	12202250ECD7.D	12202250ECD7.D	Solid	12/21/22 06:04
LDW22-SC769D	22L0137-62	12202251ECD7.D	12202251ECD7.D	Solid	12/21/22 06:26
LDW22-SC769E	22L0137-63	12202252ECD7.D	12202252ECD7.D	Solid	12/21/22 06:47
LDW22-SC769F	22L0137-64	12202253ECD7.D	12202253ECD7.D	Solid	12/21/22 07:08
LDW22-SC769G	22L0137-65	12202254ECD7.D	12202254ECD7.D	Solid	12/21/22 07:29
LDW22-SC769H	22L0137-66	12202255ECD7.D	12202255ECD7.D	Solid	12/21/22 07:50
LDW22-SC769I	22L0137-67	12202256ECD7.D	12202256ECD7.D	Solid	12/21/22 08:12
LDW22-SC769J	22L0137-68	12202257ECD7.D	12202257ECD7.D	Solid	12/21/22 08:33
LDW22-SC769K	22L0137-69	12202258ECD7.D	12202258ECD7.D	Solid	12/21/22 08:54
Calibration Check	SKL0304-CCV7	12202259ECD7.D	12202259ECD7.D	NA	12/21/22 09:15
Calibration Check	SKL0304-CCV8	12202260ECD7.D	12202260ECD7.D	NA	12/21/22 09:36
Blank	BKL0227-BLK1	12202261ECD7.D	12202261ECD7.D	Solid	12/21/22 09:57
LCS	BKL0227-BS1	12202262ECD7.D	12202262ECD7.D	Solid	12/21/22 10:19
LCS Dup	BKL0227-BSD1	12202263ECD7.D	12202263ECD7.D	Solid	12/21/22 10:40
Reference	BKL0227-SRM1	12202264ECD7.D	12202264ECD7.D	Solid	12/21/22 11:01
LDW22-SC776H	22L0137-41	12202265ECD7.D	12202265ECD7.D	Solid	12/21/22 11:22
LDW22-SC776I	22L0137-42	12202266ECD7.D	12202266ECD7.D	Solid	12/21/22 11:43
LDW22-SC776I	BKL0227-MS1	12202267ECD7.D	12202267ECD7.D	Solid	12/21/22 12:04
LDW22-SC776I	BKL0227-MSD1	12202268ECD7.D	12202268ECD7.D	Solid	12/21/22 12:26
LDW22-SC776J	22L0137-43	12202269ECD7.D	12202269ECD7.D	Solid	12/21/22 12:47
LDW22-SC776K	22L0137-44	12202270ECD7.D	12202270ECD7.D	Solid	12/21/22 13:08
LDW22-SC776L	22L0137-45	12202271ECD7.D	12202271ECD7.D	Solid	12/21/22 13:29
LDW22-SC776M	22L0137-46	12202272ECD7.D	12202272ECD7.D	Solid	12/21/22 13:50
LDW22-SC770A	22L0137-47	12202273ECD7.D	12202273ECD7.D	Solid	12/21/22 14:12
LDW22-SC770B	22L0137-48	12202274ECD7.D	12202274ECD7.D	Solid	12/21/22 14:33
Calibration Check	SKL0304-CCV9	12202275ECD7.D	12202275ECD7.D	NA	12/21/22 14:54
Calibration Check	SKL0304-CCVA	12202276ECD7.D	12202276ECD7.D	NA	12/21/22 15:15

Printed: 12/22/2022 3:56:09PM

ANALYSIS SEQUENCE

SKL0304

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0304-ICV1	AR1254ICV1	QC		1	K006957	K006953		
SKL0304-ICV2	AR1660ICV2	QC		2	K006954	K006953		
22L0137-24	LDW22-SC785G	8082A PCB Solid 4	B 01	3		K006953		
22L0137-25	LDW22-SC785H	8082A PCB Solid 4	B 01	4		K006953		
22L0137-26	LDW22-SC785I	8082A PCB Solid 4	B 01	5		K006953		
22L0137-27	LDW22-SC785J	8082A PCB Solid 4	B 01	6		K006953		
22L0137-28	LDW22-SC785K	8082A PCB Solid 4	B 01	7		K006953		
22L0137-29	LDW22-SC785L	8082A PCB Solid 4	B 01	8		K006953		
22L0137-30	LDW22-SC785M	8082A PCB Solid 4	B 01	9		K006953		
22L0137-31	LDW22-SC785N	8082A PCB Solid 4	B 01	10		K006953		
22L0137-32	LDW22-SC785A-FD	8082A PCB Solid 4	B 01	11		K006953		
22L0137-33	LDW22-SC776A	8082A PCB Solid 4	B 01	12		K006953		
SKL0304-CCV1	AR1248CCV1	QC		13	K006956	K006953		
SKL0304-CCV2	AR1660CCV2	QC		14	K006954	K006953		
22L0137-35	LDW22-SC776C	8082A PCB Solid 4	B 01	15		K006953		
22L0137-36	LDW22-SC776D	8082A PCB Solid 4	B 01	16		K006953		
22L0137-37	LDW22-SC776E	8082A PCB Solid 4	B 01	17		K006953		
22L0137-38	LDW22-SC776E-FD	8082A PCB Solid 4	B 01	18		K006953		
22L0137-39	LDW22-SC776F	8082A PCB Solid 4	B 01	19		K006953		
22L0137-40	LDW22-SC776G	8082A PCB Solid 4	B 01	20		K006953		
SKL0304-CCV3	AR1242CCV3	QC		21	K006955	K006953		
SKL0304-CCV4	AR1660CCV4	QC		22	K006954	K006953		

Printed: 12/22/2022 3:56:09PM

ANALYSIS SEQUENCE

SKL0304

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
BKL0377-BLK1	Blank	QC		23		K006953		
BKL0377-BS1	LCS	QC		24		K006953		
BKL0377-BSD1	LCS Dup	QC		25		K006953		
BKL0377-MRL1	MRL Check	QC		26		K006953		
BKL0377-SRM1	Reference	QC		27		K006953		
22L0198-01	LDW23-SS1253	8082A PCB Solid 4	A 01	28		K006953		
22L0198-02	LDW23-SS1254	8082A PCB Solid 4	A 01	29		K006953		
22L0198-03	LDW23-SS1255	8082A PCB Solid 4	A 01	30		K006953		
22L0198-04	LDW23-SS1257	8082A PCB Solid 4	A 01	31		K006953		
22L0198-05	LDW23-SS1258	8082A PCB Solid 4	A 01	32		K006953		
22L0198-06	LDW23-SS1259	8082A PCB Solid 4	A 01	33		K006953		
22L0198-07	LDW23-SS1262	8082A PCB Solid 4	A 01	34		K006953		
22L0198-08	LDW23-SS1260	8082A PCB Solid 4	A 01	35		K006953		
22L0198-09	LDW23-SS1263	8082A PCB Solid 4	A 01	36		K006953		
22L0198-10	LDW23-SS1245	8082A PCB Solid 4	A 01	37		K006953		
BKL0377-MS1	Matrix Spike	QC		38		K006953		
BKL0377-MSD1	Matrix Spike Dup	QC		39		K006953		
SKL0304-CCV5	AR1254CCV5	QC		40	K006957	K006953		
SKL0304-CCV6	AR1660CCV6	QC		41	K006954	K006953		
BKL0282-BLK1	Blank	QC		42		K006953		
BKL0282-BS1	LCS	QC		43		K006953		
BKL0282-BSD1	LCS Dup	QC		44		K006953		

Printed: 12/22/2022 3:56:09PM

ANALYSIS SEQUENCE

SKL0304

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
BKL0282-SRM1	Reference	QC		45		K006953		
BKL0282-MS1	Matrix Spike	QC		46		K006953		
BKL0282-MSD1	Matrix Spike Dup	QC		47		K006953		
22L0137-61	LDW22-SC769C	8082A PCB Solid 4	B 01	48		K006953		
22L0137-62	LDW22-SC769D	8082A PCB Solid 4	B 01	49		K006953		
22L0137-63	LDW22-SC769E	8082A PCB Solid 4	B 01	50		K006953		
22L0137-64	LDW22-SC769F	8082A PCB Solid 4	B 01	51		K006953		
22L0137-65	LDW22-SC769G	8082A PCB Solid 4	B 01	52		K006953		
22L0137-66	LDW22-SC769H	8082A PCB Solid 4	B 01	53		K006953		
22L0137-67	LDW22-SC769I	8082A PCB Solid 4	B 01	54		K006953		
22L0137-68	LDW22-SC769J	8082A PCB Solid 4	B 01	55		K006953		
22L0137-69	LDW22-SC769K	8082A PCB Solid 4	B 01	56		K006953		
SKL0304-CCV7	AR1248CCV7	QC		57	K006956	K006953		
SKL0304-CCV8	AR1660CCV8	QC		58	K006954	K006953		
BKL0227-BLK1	Blank	QC		59		K006953		
BKL0227-BS1	LCS	QC		60		K006953		
BKL0227-BSD1	LCS Dup	QC		61		K006953		
BKL0227-SRM1	Reference	QC		62		K006953		
BKL0227-MS1	Matrix Spike	QC		63		K006953		
BKL0227-MSD1	Matrix Spike Dup	QC		64		K006953		
22L0137-41	LDW22-SC776H	8082A PCB Solid 4	B 01	65		K006953		
22L0137-42	LDW22-SC776I	8082A PCB Solid 4	B 01	66		K006953		

ANALYSIS SEQUENCE

SKL0304

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
22L0137-43	LDW22-SC776J	8082A PCB Solid 4	B 01	67		K006953		
22L0137-44	LDW22-SC776K	8082A PCB Solid 4	B 01	68		K006953		
22L0137-45	LDW22-SC776L	8082A PCB Solid 4	B 01	69		K006953		
22L0137-46	LDW22-SC776M	8082A PCB Solid 4	B 01	70		K006953		
22L0137-47	LDW22-SC770A	8082A PCB Solid 4	B 01	71		K006953		
22L0137-48	LDW22-SC770B	8082A PCB Solid 4	B 01	72		K006953		
SKL0304-CCV9	AR1242CCV9	QC		73	K006955	K006953		
SKL0304-CCVA	AR1660CCVA	QC		74	K006954	K006953		

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221220.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	20-DEC-2022 13:07	12202202ECD7.D	1	AR1254ICV1	
2	20-DEC-2022 13:28	12202203ECD7.D	1	AR1660ICV2	
3	20-DEC-2022 13:49	12202204ECD7.D	1	22L0137-24	
4	20-DEC-2022 14:10	12202205ECD7.D	1	22L0137-25	
5	20-DEC-2022 14:31	12202206ECD7.D	1	22L0137-26	
6	20-DEC-2022 14:53	12202207ECD7.D	1	22L0137-27	
7	20-DEC-2022 15:14	12202208ECD7.D	1	22L0137-28	
8	20-DEC-2022 15:35	12202209ECD7.D	1	22L0137-29	
9	20-DEC-2022 15:56	12202210ECD7.D	1	22L0137-30	
10	20-DEC-2022 16:17	12202211ECD7.D	1	22L0137-31	
11	20-DEC-2022 16:39	12202212ECD7.D	1	22L0137-32	
12	20-DEC-2022 17:00	12202213ECD7.D	1	22L0137-33	
13	20-DEC-2022 17:21	12202214ECD7.D	1	AR1248CCV1	
14	20-DEC-2022 17:42	12202215ECD7.D	1	AR1660CCV2	
15	20-DEC-2022 18:04	12202216ECD7.D	1	22L0137-34	
16	20-DEC-2022 18:25	12202217ECD7.D	1	22L0137-35	
17	20-DEC-2022 18:46	12202218ECD7.D	1	22L0137-36	
18	20-DEC-2022 19:07	12202219ECD7.D	1	22L0137-37	
19	20-DEC-2022 19:29	12202220ECD7.D	1	22L0137-38	
20	20-DEC-2022 19:50	12202221ECD7.D	1	22L0137-39	
21	20-DEC-2022 20:11	12202222ECD7.D	1	22L0137-40	
22	20-DEC-2022 20:32	12202223ECD7.D	1	AR1242CCV3	
23	20-DEC-2022 20:53	12202224ECD7.D	1	AR1660CCV4	
24	20-DEC-2022 21:15	12202225ECD7.D	1	BKL0377-BLK1	
25	20-DEC-2022 21:36	12202226ECD7.D	1	BKL0377-BS1	
26	20-DEC-2022 21:57	12202227ECD7.D	1	BKL0377-BSD1	
27	20-DEC-2022 22:18	12202228ECD7.D	1	BKL0377-MRL1	
28	20-DEC-2022 22:40	12202229ECD7.D	1	BKL0377-SRM1	
29	20-DEC-2022 23:01	12202230ECD7.D	1	22L0198-01	
30	20-DEC-2022 23:22	12202231ECD7.D	1	22L0198-02	
31	20-DEC-2022 23:43	12202232ECD7.D	1	22L0198-03	
32	21-DEC-2022 00:04	12202233ECD7.D	1	22L0198-04	
33	21-DEC-2022 00:26	12202234ECD7.D	1	22L0198-05	
34	21-DEC-2022 00:47	12202235ECD7.D	1	22L0198-06	
35	21-DEC-2022 01:08	12202236ECD7.D	1	22L0198-07	
36	21-DEC-2022 01:29	12202237ECD7.D	1	22L0198-08	
37	21-DEC-2022 01:50	12202238ECD7.D	1	22L0198-09	
38	21-DEC-2022 02:12	12202239ECD7.D	1	22L0198-10	
39	21-DEC-2022 02:33	12202240ECD7.D	1	BKL0377-MS1	
40	21-DEC-2022 02:54	12202241ECD7.D	1	BKL0377-MSD1	
41	21-DEC-2022 03:15	12202242ECD7.D	1	AR1254CCV5	
42	21-DEC-2022 03:36	12202243ECD7.D	1	AR1660CCV6	
43	21-DEC-2022 03:57	12202244ECD7.D	1	BKL0282-BLK1	
44	21-DEC-2022 04:19	12202245ECD7.D	1	BKL0282-BS1	
45	21-DEC-2022 04:40	12202246ECD7.D	1	BKL0282-BSD1	

46	21-DEC-2022	05:01	12202247ECD7.D	1	BKL0282-SRM1
47	21-DEC-2022	05:22	12202248ECD7.D	1	BKL0282-MS1
48	21-DEC-2022	05:43	12202249ECD7.D	1	BKL0282-MSD1
49	21-DEC-2022	06:04	12202250ECD7.D	1	22L0137-61
50	21-DEC-2022	06:26	12202251ECD7.D	1	22L0137-62

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221220.b p2

	Inject Date/Time	Filename	DF	LabID	ClientID
51	21-DEC-2022 06:47	12202252ECD7.D	1	22L0137-63	
52	21-DEC-2022 07:08	12202253ECD7.D	1	22L0137-64	
53	21-DEC-2022 07:29	12202254ECD7.D	1	22L0137-65	
54	21-DEC-2022 07:50	12202255ECD7.D	1	22L0137-66	
55	21-DEC-2022 08:12	12202256ECD7.D	1	22L0137-67	
56	21-DEC-2022 08:33	12202257ECD7.D	1	22L0137-68	
57	21-DEC-2022 08:54	12202258ECD7.D	1	22L0137-69	
58	21-DEC-2022 09:15	12202259ECD7.D	1	AR1248CCV7	
59	21-DEC-2022 09:36	12202260ECD7.D	1	AR1660CCV8	
60	21-DEC-2022 09:57	12202261ECD7.D	1	BKL0227-BLK1	
61	21-DEC-2022 10:19	12202262ECD7.D	1	BKL0227-BS1	
62	21-DEC-2022 10:40	12202263ECD7.D	1	BKL0227-BSD1	
63	21-DEC-2022 11:01	12202264ECD7.D	1	BKL0227-SRM1	
64	21-DEC-2022 11:22	12202265ECD7.D	1	22L0137-41	
65	21-DEC-2022 11:43	12202266ECD7.D	1	22L0137-42	
66	21-DEC-2022 12:04	12202267ECD7.D	1	BKL0227-MS1	
67	21-DEC-2022 12:26	12202268ECD7.D	1	BKL0227-MSD1	
68	21-DEC-2022 12:47	12202269ECD7.D	1	22L0137-43	
69	21-DEC-2022 13:08	12202270ECD7.D	1	22L0137-44	
70	21-DEC-2022 13:29	12202271ECD7.D	1	22L0137-45	
71	21-DEC-2022 13:50	12202272ECD7.D	1	22L0137-46	
72	21-DEC-2022 14:12	12202273ECD7.D	1	22L0137-47	
73	21-DEC-2022 14:33	12202274ECD7.D	1	22L0137-48	
74	21-DEC-2022 14:54	12202275ECD7.D	1	AR1242CCV9	
75	21-DEC-2022 15:15	12202276ECD7.D	1	AR1660CCVA	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221220.b

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1307	12202202ECD7.D	AR1254ICV1	1	NO MANUAL INTEGRATION
1328	12202203ECD7.D	AR1660ICV2	1	Aroclor-1016, Aroclor-1260,
1349	12202204ECD7.D	22L0137-24	1	NO MANUAL INTEGRATION
1410	12202205ECD7.D	22L0137-25	1	NO MANUAL INTEGRATION
1431	12202206ECD7.D	22L0137-26	1	NO MANUAL INTEGRATION
1453	12202207ECD7.D	22L0137-27	1	NO MANUAL INTEGRATION
1514	12202208ECD7.D	22L0137-28	1	NO MANUAL INTEGRATION
1535	12202209ECD7.D	22L0137-29	1	NO MANUAL INTEGRATION
1556	12202210ECD7.D	22L0137-30	1	NO MANUAL INTEGRATION
1617	12202211ECD7.D	22L0137-31	1	NO MANUAL INTEGRATION
1639	12202212ECD7.D	22L0137-32	1	NO MANUAL INTEGRATION
1700	12202213ECD7.D	22L0137-33	1	NO MANUAL INTEGRATION
1721	12202214ECD7.D	AR1248CCV1	1	NO MANUAL INTEGRATION
1742	12202215ECD7.D	AR1660CCV2	1	Aroclor-1016, Aroclor-1260,
1804	12202216ECD7.D	22L0137-34	1	NO MANUAL INTEGRATION
1825	12202217ECD7.D	22L0137-35	1	NO MANUAL INTEGRATION
1846	12202218ECD7.D	22L0137-36	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1907	12202219ECD7.D	22L0137-37	1	NO MANUAL INTEGRATION
1929	12202220ECD7.D	22L0137-38	1	NO MANUAL INTEGRATION
1950	12202221ECD7.D	22L0137-39	1	NO MANUAL INTEGRATION
2011	12202222ECD7.D	22L0137-40	1	NO MANUAL INTEGRATION
2032	12202223ECD7.D	AR1242CCV3	1	Aroclor-1242,
2053	12202224ECD7.D	AR1660CCV4	1	Aroclor-1016, Aroclor-1260,
2115	12202225ECD7.D	BKL0377-BLK1	1	NO MANUAL INTEGRATION
2136	12202226ECD7.D	BKL0377-BS1	1	NO MANUAL INTEGRATION
2157	12202227ECD7.D	BKL0377-BSD1	1	NO MANUAL INTEGRATION
2218	12202228ECD7.D	BKL0377-MRL1	1	NO MANUAL INTEGRATION
2240	12202229ECD7.D	BKL0377-SRM1	1	Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268,
2301	12202230ECD7.D	22L0198-01	1	NO MANUAL INTEGRATION
2322	12202231ECD7.D	22L0198-02	1	NO MANUAL INTEGRATION
2343	12202232ECD7.D	22L0198-03	1	NO MANUAL INTEGRATION
0004	12202233ECD7.D	22L0198-04	1	NO MANUAL INTEGRATION
0026	12202234ECD7.D	22L0198-05	1	NO MANUAL INTEGRATION
0047	12202235ECD7.D	22L0198-06	1	NO MANUAL INTEGRATION
0108	12202236ECD7.D	22L0198-07	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 21-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0129	12202237ECD7.D	22L0198-08	1	NO MANUAL INTEGRATION
0150	12202238ECD7.D	22L0198-09	1	NO MANUAL INTEGRATION
0212	12202239ECD7.D	22L0198-10	1	NO MANUAL INTEGRATION
0233	12202240ECD7.D	BKL0377-MS1	1	NO MANUAL INTEGRATION
0254	12202241ECD7.D	BKL0377-MSD1	1	NO MANUAL INTEGRATION
0315	12202242ECD7.D	AR1254CCV5	1	Aroclor-1254,
0336	12202243ECD7.D	AR1660CCV6	1	Aroclor-1016, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221220.b

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1307	12202202ECD7.D	AR1254ICV1	1	NO MANUAL INTEGRATION
1328	12202203ECD7.D	AR1660ICV2	1	Aroclor-1016, Aroclor-1260,
1349	12202204ECD7.D	22L0137-24	1	NO MANUAL INTEGRATION
1410	12202205ECD7.D	22L0137-25	1	NO MANUAL INTEGRATION
1431	12202206ECD7.D	22L0137-26	1	NO MANUAL INTEGRATION
1453	12202207ECD7.D	22L0137-27	1	NO MANUAL INTEGRATION
1514	12202208ECD7.D	22L0137-28	1	NO MANUAL INTEGRATION
1535	12202209ECD7.D	22L0137-29	1	NO MANUAL INTEGRATION
1556	12202210ECD7.D	22L0137-30	1	NO MANUAL INTEGRATION
1617	12202211ECD7.D	22L0137-31	1	NO MANUAL INTEGRATION
1639	12202212ECD7.D	22L0137-32	1	NO MANUAL INTEGRATION
1700	12202213ECD7.D	22L0137-33	1	NO MANUAL INTEGRATION
1721	12202214ECD7.D	AR1248CCV1	1	NO MANUAL INTEGRATION
1742	12202215ECD7.D	AR1660CCV2	1	Aroclor-1016, Aroclor-1260,
1804	12202216ECD7.D	22L0137-34	1	NO MANUAL INTEGRATION
1825	12202217ECD7.D	22L0137-35	1	NO MANUAL INTEGRATION
1846	12202218ECD7.D	22L0137-36	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 20-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1907	12202219ECD7.D	22L0137-37	1	NO MANUAL INTEGRATION
1929	12202220ECD7.D	22L0137-38	1	NO MANUAL INTEGRATION
1950	12202221ECD7.D	22L0137-39	1	NO MANUAL INTEGRATION
2011	12202222ECD7.D	22L0137-40	1	NO MANUAL INTEGRATION
2032	12202223ECD7.D	AR1242CCV3	1	Aroclor-1242,
2053	12202224ECD7.D	AR1660CCV4	1	Aroclor-1016, Aroclor-1260,
2115	12202225ECD7.D	BKL0377-BLK1	1	NO MANUAL INTEGRATION
2136	12202226ECD7.D	BKL0377-BS1	1	NO MANUAL INTEGRATION
2157	12202227ECD7.D	BKL0377-BSD1	1	NO MANUAL INTEGRATION
2218	12202228ECD7.D	BKL0377-MRL1	1	NO MANUAL INTEGRATION
2240	12202229ECD7.D	BKL0377-SRM1	1	Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268,
2301	12202230ECD7.D	22L0198-01	1	NO MANUAL INTEGRATION
2322	12202231ECD7.D	22L0198-02	1	NO MANUAL INTEGRATION
2343	12202232ECD7.D	22L0198-03	1	NO MANUAL INTEGRATION
0004	12202233ECD7.D	22L0198-04	1	NO MANUAL INTEGRATION
0026	12202234ECD7.D	22L0198-05	1	NO MANUAL INTEGRATION
0047	12202235ECD7.D	22L0198-06	1	NO MANUAL INTEGRATION
0108	12202236ECD7.D	22L0198-07	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 21-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0129	12202237ECD7.D	22L0198-08	1	NO MANUAL INTEGRATION
0150	12202238ECD7.D	22L0198-09	1	NO MANUAL INTEGRATION
0212	12202239ECD7.D	22L0198-10	1	NO MANUAL INTEGRATION
0233	12202240ECD7.D	BKL0377-MS1	1	NO MANUAL INTEGRATION
0254	12202241ECD7.D	BKL0377-MSD1	1	NO MANUAL INTEGRATION
0315	12202242ECD7.D	AR1254CCV5	1	Aroclor-1254,
0336	12202243ECD7.D	AR1660CCV6	1	Aroclor-1016, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,
0357	12202244ECD7.D	BKL0282-BLK1	1	NO MANUAL INTEGRATION
0419	12202245ECD7.D	BKL0282-BS1	1	NO MANUAL INTEGRATION
0440	12202246ECD7.D	BKL0282-BSD1	1	NO MANUAL INTEGRATION
0501	12202247ECD7.D	BKL0282-SRM1	1	NO MANUAL INTEGRATION
0522	12202248ECD7.D	BKL0282-MS1	1	NO MANUAL INTEGRATION
0543	12202249ECD7.D	BKL0282-MSD1	1	NO MANUAL INTEGRATION
0604	12202250ECD7.D	22L0137-61	1	NO MANUAL INTEGRATION
0626	12202251ECD7.D	22L0137-62	1	NO MANUAL INTEGRATION
0647	12202252ECD7.D	22L0137-63	1	NO MANUAL INTEGRATION
0708	12202253ECD7.D	22L0137-64	1	NO MANUAL INTEGRATION
0729	12202254ECD7.D	22L0137-65	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 21-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0750	12202255ECD7.D	22L0137-66	1	NO MANUAL INTEGRATION
0812	12202256ECD7.D	22L0137-67	1	NO MANUAL INTEGRATION
0833	12202257ECD7.D	22L0137-68	1	NO MANUAL INTEGRATION
0854	12202258ECD7.D	22L0137-69	1	NO MANUAL INTEGRATION
0915	12202259ECD7.D	AR1248CCV7	1	Aroclor-1248,
0936	12202260ECD7.D	AR1660CCV8	1	Aroclor-1016, Aroclor-1260,
0957	12202261ECD7.D	BKL0227-BLK1	1	NO MANUAL INTEGRATION
1019	12202262ECD7.D	BKL0227-BS1	1	NO MANUAL INTEGRATION
1040	12202263ECD7.D	BKL0227-BSD1	1	NO MANUAL INTEGRATION
1101	12202264ECD7.D	BKL0227-SRM1	1	NO MANUAL INTEGRATION
1122	12202265ECD7.D	22L0137-41	1	NO MANUAL INTEGRATION
1143	12202266ECD7.D	22L0137-42	1	NO MANUAL INTEGRATION
1204	12202267ECD7.D	BKL0227-MS1	1	NO MANUAL INTEGRATION
1226	12202268ECD7.D	BKL0227-MSD1	1	NO MANUAL INTEGRATION
1247	12202269ECD7.D	22L0137-43	1	NO MANUAL INTEGRATION
1308	12202270ECD7.D	22L0137-44	1	NO MANUAL INTEGRATION
1329	12202271ECD7.D	22L0137-45	1	NO MANUAL INTEGRATION
1350	12202272ECD7.D	22L0137-46	1	Aroclor-1260, Tetrachloro-m-xylene,

Instrument: ecd7.i Date: 21-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1412	12202273ECD7.D	22L0137-47	1	Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
1433	12202274ECD7.D	22L0137-48	1	Aroclor-1248, Aroclor-1254, Aroclor-1260,
1454	12202275ECD7.D	AR1242CCV9	1	Aroclor-1242,
1515	12202276ECD7.D	AR1660CCVA	1	Aroclor-1016, Aroclor-1260,

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0319-ICV1	12212202ECD7.D	12212202ECD7.D	NA	12/21/22 16:07
Initial Cal Check	SKL0319-ICV2	12212203ECD7.D	12212203ECD7.D	NA	12/21/22 16:29
LDW22-SC770C	22L0137-49	12212206ECD7.D	12212206ECD7.D	Solid	12/21/22 17:32
LDW22-SC770D	22L0137-50	12212207ECD7.D	12212207ECD7.D	Solid	12/21/22 17:53
LDW22-SC770E	22L0137-51	12212208ECD7.D	12212208ECD7.D	Solid	12/21/22 18:15
LDW22-SC770F	22L0137-52	12212209ECD7.D	12212209ECD7.D	Solid	12/21/22 18:36
LDW22-SC770G	22L0137-53	12212210ECD7.D	12212210ECD7.D	Solid	12/21/22 18:57
LDW22-SC770I	22L0137-55	12212212ECD7.D	12212212ECD7.D	Solid	12/21/22 19:39
LDW22-SC770J	22L0137-56	12212213ECD7.D	12212213ECD7.D	Solid	12/21/22 20:01
LDW22-SC770K	22L0137-57	12212214ECD7.D	12212214ECD7.D	Solid	12/21/22 20:22
LDW22-SC770L	22L0137-58	12212215ECD7.D	12212215ECD7.D	Solid	12/21/22 20:43
Calibration Check	SKL0319-CCV1	12212216ECD7.D	12212216ECD7.D	NA	12/21/22 21:04
Calibration Check	SKL0319-CCV2	12212217ECD7.D	12212217ECD7.D	NA	12/21/22 21:25
LDW22-SC769A	22L0137-59	12212218ECD7.D	12212218ECD7.D	Solid	12/21/22 21:46
LDW22-SC769B	22L0137-60	12212219ECD7.D	12212219ECD7.D	Solid	12/21/22 22:08
Calibration Check	SKL0319-CCV3	12212235ECD7.D	12212235ECD7.D	NA	12/22/22 03:46
Calibration Check	SKL0319-CCV4	12212236ECD7.D	12212236ECD7.D	NA	12/22/22 04:07
Blank	BKL0197-BLK1	12212237ECD7.D	12212237ECD7.D	Solid	12/22/22 04:29
LCS	BKL0197-BS1	12212238ECD7.D	12212238ECD7.D	Solid	12/22/22 04:50
LCS Dup	BKL0197-BSD1	12212239ECD7.D	12212239ECD7.D	Solid	12/22/22 05:11
LDW22-IT816	BKL0197-MS1	12212240ECD7.D	12212240ECD7.D	Solid	12/22/22 05:32
LDW22-IT816	BKL0197-MSD1	12212241ECD7.D	12212241ECD7.D	Solid	12/22/22 05:53
Reference	BKL0197-SRM1	12212242ECD7.D	12212242ECD7.D	Solid	12/22/22 06:14
LDW22-IT817	22L0137-01	12212243ECD7.D	12212243ECD7.D	Solid	12/22/22 06:36
LDW22-IT816	22L0137-02	12212244ECD7.D	12212244ECD7.D	Solid	12/22/22 06:57
LDW22-IT815	22L0137-03	12212245ECD7.D	12212245ECD7.D	Solid	12/22/22 07:18
LDW22-SC813	22L0137-04	12212246ECD7.D	12212246ECD7.D	Solid	12/22/22 07:39
LDW22-SC784E	22L0137-09	12212251ECD7.D	12212251ECD7.D	Solid	12/22/22 09:25
LDW22-SC784F	22L0137-10	12212252ECD7.D	12212252ECD7.D	Solid	12/22/22 09:46

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Calibration Check	SKL0319-CCV5	12212253ECD7.D	12212253ECD7.D	NA	12/22/22 10:07
Calibration Check	SKL0319-CCV6	12212254ECD7.D	12212254ECD7.D	NA	12/22/22 10:28
LDW22-SC784G	22L0137-11	12212255ECD7.D	12212255ECD7.D	Solid	12/22/22 10:49
LDW22-SC784H	22L0137-12	12212256ECD7.D	12212256ECD7.D	Solid	12/22/22 11:10
LDW22-SC784I	22L0137-13	12212257ECD7.D	12212257ECD7.D	Solid	12/22/22 11:31
LDW22-SC784M	22L0137-17	12212261ECD7.D	12212261ECD7.D	Solid	12/22/22 12:56
LDW22-SC785A	22L0137-18	12212262ECD7.D	12212262ECD7.D	Solid	12/22/22 13:17
LDW22-SC785C	22L0137-20	12212264ECD7.D	12212264ECD7.D	Solid	12/22/22 14:00
Calibration Check	SKL0319-CCV7	12212265ECD7.D	12212265ECD7.D	NA	12/22/22 14:21
Calibration Check	SKL0319-CCV8	12212266ECD7.D	12212266ECD7.D	NA	12/22/22 14:42

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SKL0319

Instrument: ECD7
Calibration ID: FL00010

Printed: 12/27/2022 10:48:06AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKL0319-ICV1	QC		1		K006957	K006953		
SKL0319-ICV2	QC		2		K006954	K006953		
22L0137-49	8082A PCB Solid 4	B 01	3			K006953	Anchor QEA, LLC	
22L0137-50	8082A PCB Solid 4	B 01	4			K006953	Anchor QEA, LLC	
22L0137-51	8082A PCB Solid 4	B 01	5			K006953	Anchor QEA, LLC	
22L0137-52	8082A PCB Solid 4	B 01	6			K006953	Anchor QEA, LLC	
22L0137-53	8082A PCB Solid 4	B 01	7			K006953	Anchor QEA, LLC	
22L0137-55	8082A PCB Solid 4	B 01	8			K006953	Anchor QEA, LLC	
22L0137-56	8082A PCB Solid 4	B 01	9			K006953	Anchor QEA, LLC	
22L0137-57	8082A PCB Solid 4	B 01	10			K006953	Anchor QEA, LLC	
22L0137-58	8082A PCB Solid 4	B 01	11			K006953	Anchor QEA, LLC	
SKL0319-CCV1	QC		12		K006956	K006953		
SKL0319-CCV2	QC		13		K006954	K006953		
22L0137-59	8082A PCB Solid 4	B 01	14			K006953	Anchor QEA, LLC	
22L0137-60	8082A PCB Solid 4	B 01	15			K006953	Anchor QEA, LLC	
BKL0087-BLK1	QC		16			K006953		
BKL0087-BSD1	QC		17			K006953		
BKL0087-MS1	QC		18			K006953		
BKL0087-MSD1	QC		19			K006953		
22L0083-01	8082A PCB Water 0.01	A 01	20			K006953	Ridolfi, Inc.	water
22L0083-02	8082A PCB Water 0.01	A 01	21			K006953	Ridolfi, Inc.	water

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SKL0319

Instrument: ECD7
Calibration ID: FL00010

Printed: 12/27/2022 10:48:06AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0083-03	8082A PCB Water 0.01	A 01	22			K006953	Ridolfi, Inc.	water
22L0083-04	8082A PCB Water 0.01	A 01	23			K006953	Ridolfi, Inc.	water
BKL0086-BLK1	QC		24			K006953		
BKL0086-BS1	QC		25			K006953		
BKL0086-BSD1	QC		26			K006953		
22L0050-01	PCB (20 ug/kg) or (MTCA 0.	F 01	27			K006953	The Boeing Company [NBF - Central Puget S	
22L0053-01	PCB (20 ug/kg) or (MTCA 0.	F 01	28			K006953	The Boeing Company [NBF - Central Puget S	
22L0082-01	PCB (20 ug/kg) or (MTCA 0.	D 01	29			K006953	Ridolfi, Inc.	
22L0082-02	PCB (20 ug/kg) or (MTCA 0.	D 01	30			K006953	Ridolfi, Inc.	
SKL0319-CCV3	QC		31		K006955	K006953		
SKL0319-CCV4	QC		32		K006954	K006953		
BKL0197-BLK1	QC		33			K006953		
BKL0197-BS1	QC		34			K006953		
BKL0197-BSD1	QC		35			K006953		
BKL0197-MS1	QC		36			K006953		
BKL0197-MSD1	QC		37			K006953		
BKL0197-SRM1	QC		38			K006953		
22L0137-01	8082A PCB Solid 4	B 01	39			K006953	Anchor QEA, LLC	
22L0137-02	8082A PCB Solid 4	B 01	40			K006953	Anchor QEA, LLC	
22L0137-03	8082A PCB Solid 4	B 01	41			K006953	Anchor QEA, LLC	
22L0137-04	8082A PCB Solid 4	B 01	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SKL0319

Instrument: ECD7
Calibration ID: FL00010

Printed: 12/27/2022 10:48:06AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0137-09	8082A PCB Solid 4	B 01	43			K006953	Anchor QEA, LLC	
22L0137-10	8082A PCB Solid 4	B 01	44			K006953	Anchor QEA, LLC	
SKL0319-CCV5	QC		45		K006957	K006953		
SKL0319-CCV6	QC		46		K006954	K006953		
22L0137-11	8082A PCB Solid 4	B 01	47			K006953	Anchor QEA, LLC	
22L0137-12	8082A PCB Solid 4	B 01	48			K006953	Anchor QEA, LLC	
22L0137-13	8082A PCB Solid 4	B 01	49			K006953	Anchor QEA, LLC	
22L0137-14	8082A PCB Solid 4	B 01	50			K006953	Anchor QEA, LLC	
22L0137-15	8082A PCB Solid 4	B 01	51			K006953	Anchor QEA, LLC	
22L0137-16	8082A PCB Solid 4	B 01	52			K006953	Anchor QEA, LLC	
22L0137-17	8082A PCB Solid 4	B 01	53			K006953	Anchor QEA, LLC	
22L0137-18	8082A PCB Solid 4	B 01	54			K006953	Anchor QEA, LLC	
22L0137-20	8082A PCB Solid 4	B 01	55			K006953	Anchor QEA, LLC	
SKL0319-CCV7	QC		56		K006956	K006953		
SKL0319-CCV8	QC		57		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	21-DEC-2022 15:46	12212201ECD7.D	1	DDTS	
2	21-DEC-2022 16:07	12212202ECD7.D	1	AR1254ICV1	
3	21-DEC-2022 16:29	12212203ECD7.D	1	AR1660ICV2	
4	21-DEC-2022 16:50	12212204ECD7.D	500	NEWSURRK	
5	21-DEC-2022 17:11	12212205ECD7.D	50	NEWSURRN	
6	21-DEC-2022 17:32	12212206ECD7.D	1	22L0137-49	
7	21-DEC-2022 17:53	12212207ECD7.D	1	22L0137-50	
8	21-DEC-2022 18:15	12212208ECD7.D	1	22L0137-51	
9	21-DEC-2022 18:36	12212209ECD7.D	1	22L0137-52	
10	21-DEC-2022 18:57	12212210ECD7.D	1	22L0137-53	
11	21-DEC-2022 19:18	12212211ECD7.D	1	22L0137-54	
12	21-DEC-2022 19:39	12212212ECD7.D	1	22L0137-55	
13	21-DEC-2022 20:01	12212213ECD7.D	1	22L0137-56	
14	21-DEC-2022 20:22	12212214ECD7.D	1	22L0137-57	
15	21-DEC-2022 20:43	12212215ECD7.D	1	22L0137-58	
16	21-DEC-2022 21:04	12212216ECD7.D	1	AR1248CCV1	
17	21-DEC-2022 21:25	12212217ECD7.D	1	AR1660CCV2	
18	21-DEC-2022 21:46	12212218ECD7.D	1	22L0137-59	
19	21-DEC-2022 22:08	12212219ECD7.D	1	22L0137-60	
20	21-DEC-2022 22:29	12212220ECD7.D	1	BKL0087-BLK1	
21	21-DEC-2022 22:50	12212221ECD7.D	1	BKL0087-BSD1	
22	21-DEC-2022 23:11	12212222ECD7.D	1	BKL0087-MS1	
23	21-DEC-2022 23:32	12212223ECD7.D	1	BKL0087-MSD1	
24	21-DEC-2022 23:54	12212224ECD7.D	1	22L0083-01	
25	22-DEC-2022 00:15	12212225ECD7.D	1	22L0083-02	
26	22-DEC-2022 00:36	12212226ECD7.D	1	22L0083-03	
27	22-DEC-2022 00:57	12212227ECD7.D	1	22L0083-04	
28	22-DEC-2022 01:18	12212228ECD7.D	1	BKL0086-BLK1	
29	22-DEC-2022 01:39	12212229ECD7.D	1	BKL0086-BS1	
30	22-DEC-2022 02:00	12212230ECD7.D	1	BKL0086-BSD1	
31	22-DEC-2022 02:22	12212231ECD7.D	1	22L0050-01	
32	22-DEC-2022 02:43	12212232ECD7.D	1	22L0053-01	
33	22-DEC-2022 03:04	12212233ECD7.D	1	22L0082-01	
34	22-DEC-2022 03:25	12212234ECD7.D	1	22L0082-02	
35	22-DEC-2022 03:46	12212235ECD7.D	1	AR1242CCV3	
36	22-DEC-2022 04:07	12212236ECD7.D	1	AR1660CCV4	
37	22-DEC-2022 04:29	12212237ECD7.D	1	BKL0197-BLK1	
38	22-DEC-2022 04:50	12212238ECD7.D	1	BKL0197-BS1	
39	22-DEC-2022 05:11	12212239ECD7.D	1	BKL0197-BSD1	
40	22-DEC-2022 05:32	12212240ECD7.D	1	BKL0197-MS1	
41	22-DEC-2022 05:53	12212241ECD7.D	1	BKL0197-MSD1	
42	22-DEC-2022 06:14	12212242ECD7.D	1	BKL0197-SRM1	
43	22-DEC-2022 06:36	12212243ECD7.D	1	22L0137-01	
44	22-DEC-2022 06:57	12212244ECD7.D	1	22L0137-02	
45	22-DEC-2022 07:18	12212245ECD7.D	1	22L0137-03	
46	22-DEC-2022 07:39	12212246ECD7.D	1	22L0137-04	
47	22-DEC-2022 08:00	12212247ECD7.D	1	22L0137-05	
48	22-DEC-2022 08:21	12212248ECD7.D	1	22L0137-06	
49	22-DEC-2022 08:42	12212249ECD7.D	1	22L0137-07	
50	22-DEC-2022 09:03	12212250ECD7.D	1	22L0137-08	

	Inject Date/Time	Filename	DF	LabID	ClientID
51	22-DEC-2022 09:25	12212251ECD7.D	1	22L0137-09	
52	22-DEC-2022 09:46	12212252ECD7.D	1	22L0137-10	
53	22-DEC-2022 10:07	12212253ECD7.D	1	AR1254CCV5	
54	22-DEC-2022 10:28	12212254ECD7.D	1	AR1660CCV6	
55	22-DEC-2022 10:49	12212255ECD7.D	1	22L0137-11	
56	22-DEC-2022 11:10	12212256ECD7.D	1	22L0137-12	
57	22-DEC-2022 11:31	12212257ECD7.D	1	22L0137-13	
58	22-DEC-2022 11:53	12212258ECD7.D	1	22L0137-14	
59	22-DEC-2022 12:14	12212259ECD7.D	1	22L0137-15	
60	22-DEC-2022 12:35	12212260ECD7.D	1	22L0137-16	
61	22-DEC-2022 12:56	12212261ECD7.D	1	22L0137-17	
62	22-DEC-2022 13:17	12212262ECD7.D	1	22L0137-18	
63	22-DEC-2022 13:38	12212263ECD7.D	1	22L0137-19	
64	22-DEC-2022 14:00	12212264ECD7.D	1	22L0137-20	
65	22-DEC-2022 14:21	12212265ECD7.D	1	AR1248CCV7	
66	22-DEC-2022 14:42	12212266ECD7.D	1	AR1660CCV8	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b

ARI Job No.: DDTS Method: PCB.m Instrument: ecd7.i Date: 21-DEC-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1546	12212201ECD7.D	DDTS		1	NO MANUAL INTEGRATION
1607	12212202ECD7.D	AR1254ICV1		1	NO MANUAL INTEGRATION
1629	12212203ECD7.D	AR1660ICV2		1	Aroclor-1016, Tetrachloro-m-xylene,
1650	12212204ECD7.D	NEWSURRK		500	NO MANUAL INTEGRATION
1711	12212205ECD7.D	NEWSURRN		50	NO MANUAL INTEGRATION
1732	12212206ECD7.D	22L0137-49		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
1753	12212207ECD7.D	22L0137-50		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, Tetrachloro-m-xylene,
1815	12212208ECD7.D	22L0137-51		1	NO MANUAL INTEGRATION
1836	12212209ECD7.D	22L0137-52		1	NO MANUAL INTEGRATION
1857	12212210ECD7.D	22L0137-53		1	NO MANUAL INTEGRATION
1918	12212211ECD7.D	22L0137-54		1	NO MANUAL INTEGRATION
1939	12212212ECD7.D	22L0137-55		1	NO MANUAL INTEGRATION
2001	12212213ECD7.D	22L0137-56		1	Aroclor-1254,
2022	12212214ECD7.D	22L0137-57		1	NO MANUAL INTEGRATION
2043	12212215ECD7.D	22L0137-58		1	NO MANUAL INTEGRATION
2104	12212216ECD7.D	AR1248CCV1		1	NO MANUAL INTEGRATION
2125	12212217ECD7.D	AR1660CCV2		1	Aroclor-1016, Aroclor-1260, Tetrachloro-m-xylene,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2146	12212218ECD7.D	22L0137-59		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
2208	12212219ECD7.D	22L0137-60		1	NO MANUAL INTEGRATION
2229	12212220ECD7.D	BKL0087-BLK1		1	NO MANUAL INTEGRATION
2250	12212221ECD7.D	BKL0087-BSD1		1	NO MANUAL INTEGRATION
2311	12212222ECD7.D	BKL0087-MS1		1	NO MANUAL INTEGRATION
2332	12212223ECD7.D	BKL0087-MSD1		1	NO MANUAL INTEGRATION
2354	12212224ECD7.D	22L0083-01		1	NO MANUAL INTEGRATION
0015	12212225ECD7.D	22L0083-02		1	NO MANUAL INTEGRATION
0036	12212226ECD7.D	22L0083-03		1	NO MANUAL INTEGRATION
0057	12212227ECD7.D	22L0083-04		1	NO MANUAL INTEGRATION
0118	12212228ECD7.D	BKL0086-BLK1		1	NO MANUAL INTEGRATION
0139	12212229ECD7.D	BKL0086-BS1		1	NO MANUAL INTEGRATION
0200	12212230ECD7.D	BKL0086-BSD1		1	NO MANUAL INTEGRATION
0222	12212231ECD7.D	22L0050-01		1	NO MANUAL INTEGRATION
0243	12212232ECD7.D	22L0053-01		1	NO MANUAL INTEGRATION
0304	12212233ECD7.D	22L0082-01		1	NO MANUAL INTEGRATION
0325	12212234ECD7.D	22L0082-02		1	NO MANUAL INTEGRATION
0346	12212235ECD7.D	AR1242CCV3		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0407	12212236ECD7.D	AR1660CCV4		1	Aroclor-1016, Aroclor-1260, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
0429	12212237ECD7.D	BKL0197-BLK1		1	NO MANUAL INTEGRATION
0450	12212238ECD7.D	BKL0197-BS1		1	NO MANUAL INTEGRATION
0511	12212239ECD7.D	BKL0197-BSD1		1	NO MANUAL INTEGRATION
0532	12212240ECD7.D	BKL0197-MS1		1	NO MANUAL INTEGRATION
0553	12212241ECD7.D	BKL0197-MSD1		1	NO MANUAL INTEGRATION
0614	12212242ECD7.D	BKL0197-SRM1		1	NO MANUAL INTEGRATION
0636	12212243ECD7.D	22L0137-01		1	NO MANUAL INTEGRATION
0657	12212244ECD7.D	22L0137-02		1	Aroclor-1260,
0718	12212245ECD7.D	22L0137-03		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
0739	12212246ECD7.D	22L0137-04		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
0800	12212247ECD7.D	22L0137-05		1	NO MANUAL INTEGRATION
0821	12212248ECD7.D	22L0137-06		1	NO MANUAL INTEGRATION
0842	12212249ECD7.D	22L0137-07		1	NO MANUAL INTEGRATION
0903	12212250ECD7.D	22L0137-08		1	NO MANUAL INTEGRATION
0925	12212251ECD7.D	22L0137-09		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, IS-HBBP, Tetrachloro-m-xylene, Decachlorobiphenyl,
0946	12212252ECD7.D	22L0137-10		1	Aroclor-1254, Aroclor-1260,
1007	12212253ECD7.D	AR1254CCV5		1	Aroclor-1254,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1028	12212254ECD7.D	AR1660CCV6		1	Aroclor-1016, Aroclor-1260,
1049	12212255ECD7.D	22L0137-11		1	NO MANUAL INTEGRATION
1110	12212256ECD7.D	22L0137-12		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, Tetrachloro-m-xylene,
1131	12212257ECD7.D	22L0137-13		1	Aroclor-1254,
1153	12212258ECD7.D	22L0137-14		1	NO MANUAL INTEGRATION
1214	12212259ECD7.D	22L0137-15		1	NO MANUAL INTEGRATION
1235	12212260ECD7.D	22L0137-16		1	NO MANUAL INTEGRATION
1256	12212261ECD7.D	22L0137-17		1	NO MANUAL INTEGRATION
1317	12212262ECD7.D	22L0137-18		1	Aroclor-1254, Aroclor-1260,
1338	12212263ECD7.D	22L0137-19		1	NO MANUAL INTEGRATION
1400	12212264ECD7.D	22L0137-20		1	NO MANUAL INTEGRATION
1421	12212265ECD7.D	AR1248CCV7		1	NO MANUAL INTEGRATION
1442	12212266ECD7.D	AR1660CCV8		1	Aroclor-1016, Aroclor-1260,
1546	12212201ECD7.D	DDTS		1	NO MANUAL INTEGRATION
1607	12212202ECD7.D	AR1254ICV1		1	NO MANUAL INTEGRATION
1629	12212203ECD7.D	AR1660ICV2		1	NO MANUAL INTEGRATION
1650	12212204ECD7.D	NEWSURRK		500	NO MANUAL INTEGRATION
1711	12212205ECD7.D	NEWSURRN		50	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1732	12212206ECD7.D	22L0137-49		1	NO MANUAL INTEGRATION
1753	12212207ECD7.D	22L0137-50		1	NO MANUAL INTEGRATION
1815	12212208ECD7.D	22L0137-51		1	NO MANUAL INTEGRATION
1836	12212209ECD7.D	22L0137-52		1	NO MANUAL INTEGRATION
1857	12212210ECD7.D	22L0137-53		1	NO MANUAL INTEGRATION
1918	12212211ECD7.D	22L0137-54		1	NO MANUAL INTEGRATION
1939	12212212ECD7.D	22L0137-55		1	NO MANUAL INTEGRATION
2001	12212213ECD7.D	22L0137-56		1	NO MANUAL INTEGRATION
2022	12212214ECD7.D	22L0137-57		1	NO MANUAL INTEGRATION
2043	12212215ECD7.D	22L0137-58		1	NO MANUAL INTEGRATION
2104	12212216ECD7.D	AR1248CCV1		1	NO MANUAL INTEGRATION
2125	12212217ECD7.D	AR1660CCV2		1	NO MANUAL INTEGRATION
2146	12212218ECD7.D	22L0137-59		1	NO MANUAL INTEGRATION
2208	12212219ECD7.D	22L0137-60		1	NO MANUAL INTEGRATION
2229	12212220ECD7.D	BKL0087-BLK1		1	NO MANUAL INTEGRATION
2250	12212221ECD7.D	BKL0087-BSD1		1	NO MANUAL INTEGRATION
2311	12212222ECD7.D	BKL0087-MS1		1	NO MANUAL INTEGRATION
2332	12212223ECD7.D	BKL0087-MSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2354	12212224ECD7.D	22L0083-01		1	NO MANUAL INTEGRATION
0015	12212225ECD7.D	22L0083-02		1	NO MANUAL INTEGRATION
0036	12212226ECD7.D	22L0083-03		1	NO MANUAL INTEGRATION
0057	12212227ECD7.D	22L0083-04		1	NO MANUAL INTEGRATION
0118	12212228ECD7.D	BKL0086-BLK1		1	NO MANUAL INTEGRATION
0139	12212229ECD7.D	BKL0086-BS1		1	NO MANUAL INTEGRATION
0200	12212230ECD7.D	BKL0086-BSD1		1	NO MANUAL INTEGRATION
0222	12212231ECD7.D	22L0050-01		1	NO MANUAL INTEGRATION
0243	12212232ECD7.D	22L0053-01		1	NO MANUAL INTEGRATION
0304	12212233ECD7.D	22L0082-01		1	NO MANUAL INTEGRATION
0325	12212234ECD7.D	22L0082-02		1	NO MANUAL INTEGRATION
0346	12212235ECD7.D	AR1242CCV3		1	NO MANUAL INTEGRATION
0407	12212236ECD7.D	AR1660CCV4		1	NO MANUAL INTEGRATION
0429	12212237ECD7.D	BKL0197-BLK1		1	NO MANUAL INTEGRATION
0450	12212238ECD7.D	BKL0197-BS1		1	NO MANUAL INTEGRATION
0511	12212239ECD7.D	BKL0197-BSD1		1	NO MANUAL INTEGRATION
0532	12212240ECD7.D	BKL0197-MS1		1	NO MANUAL INTEGRATION
0553	12212241ECD7.D	BKL0197-MSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0614	12212242ECD7.D	BKL0197-SRM1		1	NO MANUAL INTEGRATION
0636	12212243ECD7.D	22L0137-01		1	NO MANUAL INTEGRATION
0657	12212244ECD7.D	22L0137-02		1	NO MANUAL INTEGRATION
0718	12212245ECD7.D	22L0137-03		1	NO MANUAL INTEGRATION
0739	12212246ECD7.D	22L0137-04		1	NO MANUAL INTEGRATION
0800	12212247ECD7.D	22L0137-05		1	NO MANUAL INTEGRATION
0821	12212248ECD7.D	22L0137-06		1	NO MANUAL INTEGRATION
0842	12212249ECD7.D	22L0137-07		1	NO MANUAL INTEGRATION
0903	12212250ECD7.D	22L0137-08		1	NO MANUAL INTEGRATION
0925	12212251ECD7.D	22L0137-09		1	NO MANUAL INTEGRATION
0946	12212252ECD7.D	22L0137-10		1	NO MANUAL INTEGRATION
1007	12212253ECD7.D	AR1254CCV5		1	NO MANUAL INTEGRATION
1028	12212254ECD7.D	AR1660CCV6		1	NO MANUAL INTEGRATION
1049	12212255ECD7.D	22L0137-11		1	NO MANUAL INTEGRATION
1110	12212256ECD7.D	22L0137-12		1	NO MANUAL INTEGRATION
1131	12212257ECD7.D	22L0137-13		1	NO MANUAL INTEGRATION
1153	12212258ECD7.D	22L0137-14		1	NO MANUAL INTEGRATION
1214	12212259ECD7.D	22L0137-15		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221221.b\221221.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1235	12212260ECD7.D	22L0137-16		1	NO MANUAL INTEGRATION
1256	12212261ECD7.D	22L0137-17		1	NO MANUAL INTEGRATION
1317	12212262ECD7.D	22L0137-18		1	NO MANUAL INTEGRATION
1338	12212263ECD7.D	22L0137-19		1	NO MANUAL INTEGRATION
1400	12212264ECD7.D	22L0137-20		1	NO MANUAL INTEGRATION
1421	12212265ECD7.D	AR1248CCV7		1	NO MANUAL INTEGRATION
1442	12212266ECD7.D	AR1660CCV8		1	NO MANUAL INTEGRATION

Security Status Report

Date: 29-Dec-2022 12:10

12212201ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212202ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212203ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
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12212207ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212208ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
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12212213ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212214ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
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12212217ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212218ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212219ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212220ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
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12212222ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212223ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212224ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212225ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212226ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212227ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212228ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212229ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212230ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212231ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212232ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212233ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212234ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212235ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212236ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212237ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212238ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212239ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212240ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212241ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212242ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212243ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212244ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47

12212245ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212246ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212247ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212248ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212249ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212250ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212251ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212252ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212253ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212254ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212255ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212256ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212257ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212258ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212259ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212260ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212261ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212262ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212263ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212264ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212265ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47
12212266ECD7.D	Data Locked	richardl, 29-Dec-2022 08:47

Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0330-ICV1	12222202ECD7.D	12222202ECD7.D	NA	12/22/22 16:12
Initial Cal Check	SKL0330-ICV2	12222203ECD7.D	12222203ECD7.D	NA	12/22/22 16:34
LDW22-SC785H	22L0137-25RE1	12222206ECD7.D	12222206ECD7.D	Solid	12/22/22 17:37
LDW22-SC785I	22L0137-26RE1	12222207ECD7.D	12222207ECD7.D	Solid	12/22/22 17:58
LDW22-SC785J	22L0137-27RE1	12222208ECD7.D	12222208ECD7.D	Solid	12/22/22 18:19
LDW22-SC785L	22L0137-29RE1	12222209ECD7.D	12222209ECD7.D	Solid	12/22/22 18:41
LDW22-SC785M	22L0137-30RE1	12222210ECD7.D	12222210ECD7.D	Solid	12/22/22 19:02
LDW22-SC776B	22L0137-34	12222211ECD7.D	12222211ECD7.D	Solid	12/22/22 19:23
LDW22-SC776C	22L0137-35RE1	12222212ECD7.D	12222212ECD7.D	Solid	12/22/22 19:44
LDW22-SC776D	22L0137-36RE1	12222213ECD7.D	12222213ECD7.D	Solid	12/22/22 20:05
Calibration Check	SKL0330-CCV1	12222214ECD7.D	12222214ECD7.D	NA	12/22/22 20:27
Calibration Check	SKL0330-CCV2	12222215ECD7.D	12222215ECD7.D	NA	12/22/22 20:48
LDW22-SC776E-FD	22L0137-38RE1	12222216ECD7.D	12222216ECD7.D	Solid	12/22/22 21:09
LDW22-SC776F	22L0137-39RE1	12222217ECD7.D	12222217ECD7.D	Solid	12/22/22 21:30
LDW22-SC769G	22L0137-65RE1	12222218ECD7.D	12222218ECD7.D	Solid	12/22/22 21:51
LDW22-SC769J	22L0137-68RE1	12222219ECD7.D	12222219ECD7.D	Solid	12/22/22 22:12
LDW22-SC769K	22L0137-69RE1	12222220ECD7.D	12222220ECD7.D	Solid	12/22/22 22:34
LDW22-SC776H	22L0137-41RE1	12222221ECD7.D	12222221ECD7.D	Solid	12/22/22 22:55
LDW22-SC776L	22L0137-45RE1	12222222ECD7.D	12222222ECD7.D	Solid	12/22/22 23:16
LDW22-SC770H	22L0137-54RE1	12222223ECD7.D	12222223ECD7.D	Solid	12/22/22 23:37
LDW22-SC770I	22L0137-55RE1	12222224ECD7.D	12222224ECD7.D	Solid	12/22/22 23:59
LDW22-SC770J	22L0137-56RE1	12222225ECD7.D	12222225ECD7.D	Solid	12/23/22 00:20
Calibration Check	SKL0330-CCV3	12222226ECD7.D	12222226ECD7.D	NA	12/23/22 00:41
Calibration Check	SKL0330-CCV4	12222227ECD7.D	12222227ECD7.D	NA	12/23/22 01:02
LDW22-SC770K	22L0137-57RE1	12222228ECD7.D	12222228ECD7.D	Solid	12/23/22 01:23
LDW22-SC784B	22L0137-05	12222229ECD7.D	12222229ECD7.D	Solid	12/23/22 01:44
LDW22-SC784B-FD	22L0137-06	12222230ECD7.D	12222230ECD7.D	Solid	12/23/22 02:06
LDW22-SC784C	22L0137-07	12222231ECD7.D	12222231ECD7.D	Solid	12/23/22 02:27
LDW22-SC784D	22L0137-08	12222232ECD7.D	12222232ECD7.D	Solid	12/23/22 02:48

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0330	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
LDW22-SC784J	22L0137-14	12222233ECD7.D	12222233ECD7.D	Solid	12/23/22 03:09
LDW22-SC784K	22L0137-15	12222234ECD7.D	12222234ECD7.D	Solid	12/23/22 03:30
LDW22-SC784L	22L0137-16	12222235ECD7.D	12222235ECD7.D	Solid	12/23/22 03:52
Calibration Check	SKL0330-CCV5	12222243ECD7.D	12222243ECD7.D	NA	12/23/22 06:41
Calibration Check	SKL0330-CCV6	12222244ECD7.D	12222244ECD7.D	NA	12/23/22 07:03
Calibration Check	SKL0330-CCV7	12222258ECD7.D	12222258ECD7.D	NA	12/23/22 12:00
Calibration Check	SKL0330-CCV8	12222259ECD7.D	12222259ECD7.D	NA	12/23/22 12:21
Calibration Check	SKL0330-CCV9	12222265ECD7.D	12222265ECD7.D	NA	12/23/22 14:28
Calibration Check	SKL0330-CCVA	12222266ECD7.D	12222266ECD7.D	NA	12/23/22 14:49

Printed: 12/28/2022 2:28:21PM

ANALYSIS SEQUENCE

SKL0330

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0330-ICV1	AR1254ICV1	QC		1	K006957	K006953		
SKL0330-ICV2	AR1660ICV2	QC		2	K006954	K006953		
22L0105-15RE1	LDW22-SC775J	8082A PCB Solid 4	A 01	3		K006953		Added 12/22/2022 by JGR
22L0105-16RE1	LDW22-SC775K	8082A PCB Solid 4	A 01	4		K006953		Added 12/22/2022 by JGR
22L0137-25RE1	LDW22-SC785H	8082A PCB Solid 4	B 01	5		K006953		Added 12/27/2022 by PK
22L0137-26RE1	LDW22-SC785I	8082A PCB Solid 4	B 01	6		K006953		Added 12/27/2022 by PK
22L0137-27RE1	LDW22-SC785J	8082A PCB Solid 4	B 01	7		K006953		Added 12/27/2022 by PK
22L0137-29RE1	LDW22-SC785L	8082A PCB Solid 4	B 01	8		K006953		Added 12/27/2022 by PK
22L0137-30RE1	LDW22-SC785M	8082A PCB Solid 4	B 01	9		K006953		Added 12/27/2022 by PK
22L0137-34	LDW22-SC776B	8082A PCB Solid 4	B 01	10		K006953		
22L0137-35RE1	LDW22-SC776C	8082A PCB Solid 4	B 01	11		K006953		Added 12/27/2022 by PK
22L0137-36RE1	LDW22-SC776D	8082A PCB Solid 4	B 01	12		K006953		Added 12/27/2022 by PK
SKL0330-CCV1	AR1248CCV1	QC		13	K006956	K006953		
SKL0330-CCV2	AR1660CCV2	QC		14	K006954	K006953		
22L0137-38RE1	LDW22-SC776E-FD	8082A PCB Solid 4	B 01	15		K006953		Added 12/27/2022 by PK
22L0137-39RE1	LDW22-SC776F	8082A PCB Solid 4	B 01	16		K006953		Added 12/27/2022 by PK
22L0137-65RE1	LDW22-SC769G	8082A PCB Solid 4	B 01	17		K006953		Added 12/27/2022 by PK
22L0137-68RE1	LDW22-SC769J	8082A PCB Solid 4	B 01	18		K006953		Added 12/27/2022 by PK
22L0137-69RE1	LDW22-SC769K	8082A PCB Solid 4	B 01	19		K006953		Added 12/27/2022 by PK
22L0137-41RE1	LDW22-SC776H	8082A PCB Solid 4	B 01	20		K006953		Added 12/27/2022 by PK
22L0137-45RE1	LDW22-SC776L	8082A PCB Solid 4	B 01	21		K006953		Added 12/27/2022 by PK
22L0137-54RE1	LDW22-SC770H	8082A PCB Solid 4	B 01	22		K006953		Added 12/27/2022 by PK

Printed: 12/28/2022 2:28:21PM

ANALYSIS SEQUENCE

SKL0330

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
22L0137-55RE1	LDW22-SC770I	8082A PCB Solid 4	B 01	23		K006953		Added 12/27/2022 by PK
22L0137-56RE1	LDW22-SC770J	8082A PCB Solid 4	B 01	24		K006953		Added 12/27/2022 by PK
SKL0330-CCV3	AR1242CCV3	QC		25	K006955	K006953		
SKL0330-CCV4	AR1660CCV4	QC		26	K006954	K006953		
22L0137-57RE1	LDW22-SC770K	8082A PCB Solid 4	B 01	27		K006953		Added 12/27/2022 by PK
22L0137-05	LDW22-SC784B	8082A PCB Solid 4	B 01	28		K006953		
22L0137-06	LDW22-SC784B-FD	8082A PCB Solid 4	B 01	29		K006953		
22L0137-07	LDW22-SC784C	8082A PCB Solid 4	B 01	30		K006953		
22L0137-08	LDW22-SC784D	8082A PCB Solid 4	B 01	31		K006953		
22L0137-14	LDW22-SC784J	8082A PCB Solid 4	B 01	32		K006953		
22L0137-15	LDW22-SC784K	8082A PCB Solid 4	B 01	33		K006953		
22L0137-16	LDW22-SC784L	8082A PCB Solid 4	B 01	34		K006953		
BKL0284-BLK1	Blank	QC		35		K006953		
BKL0284-BS1	LCS	QC		36		K006953		
BKL0284-BSD1	LCS Dup	QC		37		K006953		
BKL0284-SRM1	Reference	QC		38		K006953		
22L0155-02	LDW22-SC768B	8082A PCB Solid 4	B 02	39		K006953		
22L0155-03	LDW22-SC768C	8082A PCB Solid 4	B 02	40		K006953		
SKL0330-CCV5	AR1254CCV5	QC		41	K006957	K006953		
SKL0330-CCV6	AR1660CCV6	QC		42	K006954	K006953		
22L0155-04	LDW22-SC768D	8082A PCB Solid 4	B 02	43		K006953		
22L0155-05	LDW22-SC768E	8082A PCB Solid 4	B 02	44		K006953		

Printed: 12/28/2022 2:28:21PM

ANALYSIS SEQUENCE

SKL0330

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
22L0155-06	LDW22-SC768F	8082A PCB Solid 4	B 02	45		K006953		
22L0155-07	LDW22-SC768F-FD	8082A PCB Solid 4	B 02	46		K006953		
22L0155-08	LDW22-SC768G	8082A PCB Solid 4	B 02	47		K006953		
22L0155-09	LDW22-SC768H	8082A PCB Solid 4	B 02	48		K006953		
22L0155-11	LDW22-SC768J	8082A PCB Solid 4	B 02	49		K006953		
BKL0550-BLK1	Blank	QC		50		K006953		
BKL0550-BS1	LCS	QC		51		K006953		
BKL0550-BSD1	LCS Dup	QC		52		K006953		
22L0474-01	DIS 22-06C	2A PCB (20 ug/kg) or (MTCA 0.1 u	A 01	53		K006953		
22L0488-01	2-01-6, Discharge; NBF Tnk-PB	2A PCB (20 ug/kg) or (MTCA 0.1 u	A 01	54		K006953		
SKL0330-CCV7	AR1248CCV7	QC		55	K006956	K006953		
SKL0330-CCV8	AR1660CCV8	QC		56	K006954	K006953		
22L0155-14	LDW22-SC764E	8082A PCB Solid 4	B 01	57		K006953		
22L0155-15	LDW22-SC764F	8082A PCB Solid 4	B 01	58		K006953		
22L0155-16	LDW22-SC764G	8082A PCB Solid 4	B 01	59		K006953		
SKL0330-CCV9	AR1242CCV9	QC		60	K006955	K006953		
SKL0330-CCVA	AR1660CCVA	QC		61	K006954	K006953		

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221222.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	22-DEC-2022 15:51	12222201ECD7.D	1	DDTS	
2	22-DEC-2022 16:12	12222202ECD7.D	1	AR1254ICV1	
3	22-DEC-2022 16:34	12222203ECD7.D	1	AR1660ICV2	
4	22-DEC-2022 16:55	12222204ECD7.D	5	22L0105-15RE1	
5	22-DEC-2022 17:16	12222205ECD7.D	5	22L0105-16RE1	
6	22-DEC-2022 17:37	12222206ECD7.D	5	22L0137-25RE1	
7	22-DEC-2022 17:58	12222207ECD7.D	5	22L0137-26RE1	
8	22-DEC-2022 18:19	12222208ECD7.D	5	22L0137-27RE1	
9	22-DEC-2022 18:41	12222209ECD7.D	5	22L0137-29RE1	
10	22-DEC-2022 19:02	12222210ECD7.D	5	22L0137-30RE1	
11	22-DEC-2022 19:23	12222211ECD7.D	1	22L0137-34	
12	22-DEC-2022 19:44	12222212ECD7.D	5	22L0137-35RE1	
13	22-DEC-2022 20:05	12222213ECD7.D	5	22L0137-36RE1	
14	22-DEC-2022 20:27	12222214ECD7.D	1	AR1248CCV1	
15	22-DEC-2022 20:48	12222215ECD7.D	1	AR1660CCV2	
16	22-DEC-2022 21:09	12222216ECD7.D	5	22L0137-38RE1	
17	22-DEC-2022 21:30	12222217ECD7.D	5	22L0137-39RE1	
18	22-DEC-2022 21:51	12222218ECD7.D	5	22L0137-65RE1	
19	22-DEC-2022 22:12	12222219ECD7.D	5	22L0137-68RE1	
20	22-DEC-2022 22:34	12222220ECD7.D	5	22L0137-69RE1	
21	22-DEC-2022 22:55	12222221ECD7.D	5	22L0137-41RE1	
22	22-DEC-2022 23:16	12222222ECD7.D	5	22L0137-45RE1	
23	22-DEC-2022 23:37	12222223ECD7.D	5	22L0137-54RE1	
24	22-DEC-2022 23:59	12222224ECD7.D	5	22L0137-55RE1	
25	23-DEC-2022 00:20	12222225ECD7.D	5	22L0137-56RE1	
26	23-DEC-2022 00:41	12222226ECD7.D	1	AR1242CCV3	
27	23-DEC-2022 01:02	12222227ECD7.D	1	AR1660CCV4	
28	23-DEC-2022 01:23	12222228ECD7.D	5	22L0137-57RE1	
29	23-DEC-2022 01:44	12222229ECD7.D	1	22K0137-05	
30	23-DEC-2022 02:06	12222230ECD7.D	1	22K0137-06	
31	23-DEC-2022 02:27	12222231ECD7.D	1	22K0137-07	
32	23-DEC-2022 02:48	12222232ECD7.D	1	22K0137-08	
33	23-DEC-2022 03:09	12222233ECD7.D	1	22K0137-14	
34	23-DEC-2022 03:30	12222234ECD7.D	1	22K0137-15	
35	23-DEC-2022 03:52	12222235ECD7.D	1	22K0137-16	
36	23-DEC-2022 04:13	12222236ECD7.D	1	BKL0284-BLK1	
37	23-DEC-2022 04:34	12222237ECD7.D	1	BKL0284-BS1	
38	23-DEC-2022 04:55	12222238ECD7.D	1	BKL0284-BSD1	
39	23-DEC-2022 05:16	12222239ECD7.D	1	BKL0284-SRM1	
40	23-DEC-2022 05:38	12222240ECD7.D	1	22L0155-01	
41	23-DEC-2022 05:59	12222241ECD7.D	1	22L0155-02	
42	23-DEC-2022 06:20	12222242ECD7.D	1	22L0155-03	
43	23-DEC-2022 06:41	12222243ECD7.D	1	AR1254CCV5	
44	23-DEC-2022 07:03	12222244ECD7.D	1	AR1660CCV6	
45	23-DEC-2022 07:24	12222245ECD7.D	1	22L0155-04	

46	23-DEC-2022	07:45	12222246ECD7.D	1	22L0155-05
47	23-DEC-2022	08:06	12222247ECD7.D	1	22L0155-06
48	23-DEC-2022	08:27	12222248ECD7.D	1	22L0155-07
49	23-DEC-2022	08:49	12222249ECD7.D	1	22L0155-08
50	23-DEC-2022	09:10	12222250ECD7.D	1	22L0155-09

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221222.b p2

	Inject Date/Time	Filename	DF	LabID	ClientID
51	23-DEC-2022 09:31	12222251ECD7.D	1	22L0155-10	
52	23-DEC-2022 09:52	12222252ECD7.D	1	22L0155-11	
53	23-DEC-2022 10:14	12222253ECD7.D	1	BKL0550-BLK1	
54	23-DEC-2022 10:35	12222254ECD7.D	1	BKL0550-BS1	
55	23-DEC-2022 10:56	12222255ECD7.D	1	BKL0550-BSD1	
56	23-DEC-2022 11:17	12222256ECD7.D	1	22L0474-01	
57	23-DEC-2022 11:38	12222257ECD7.D	1	22L0488-01	
58	23-DEC-2022 12:00	12222258ECD7.D	1	AR1248CCV7	
59	23-DEC-2022 12:21	12222259ECD7.D	1	AR1660CCV8	
60	23-DEC-2022 12:42	12222260ECD7.D	1	22L0155-12	
61	23-DEC-2022 13:03	12222261ECD7.D	1	22L0155-13	
62	23-DEC-2022 13:25	12222262ECD7.D	1	22L0155-14	
63	23-DEC-2022 13:46	12222263ECD7.D	1	22L0155-15	
64	23-DEC-2022 14:07	12222264ECD7.D	1	22L0155-16	
65	23-DEC-2022 14:28	12222265ECD7.D	1	AR1248CCV9	
66	23-DEC-2022 14:49	12222266ECD7.D	1	AR1660CCVA	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221222.b

Instrument: ecd7.i Date: 22-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1612	12222202ECD7.D	AR1254ICV1	1	NO MANUAL INTEGRATION
1634	12222203ECD7.D	AR1660ICV2	1	Aroclor-1016, Aroclor-1260,
1655	12222204ECD7.D	22L0105-15RE1	5	Aroclor-1254,
1716	12222205ECD7.D	22L0105-16RE1	5	Aroclor-1254,
1737	12222206ECD7.D	22L0137-25RE1	5	Aroclor-1254,
1758	12222207ECD7.D	22L0137-26RE1	5	Aroclor-1254,
1819	12222208ECD7.D	22L0137-27RE1	5	Aroclor-1254, Aroclor-1260,
1841	12222209ECD7.D	22L0137-29RE1	5	Aroclor-1254,
1902	12222210ECD7.D	22L0137-30RE1	5	Aroclor-1254,
1923	12222211ECD7.D	22L0137-34	1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, Tetrachloro-m-xylene,
1944	12222212ECD7.D	22L0137-35RE1	5	Aroclor-1254,
2005	12222213ECD7.D	22L0137-36RE1	5	Aroclor-1254,
2027	12222214ECD7.D	AR1248CCV1	1	NO MANUAL INTEGRATION
2048	12222215ECD7.D	AR1660CCV2	1	Aroclor-1016, Aroclor-1260,
2109	12222216ECD7.D	22L0137-38RE1	5	NO MANUAL INTEGRATION
2130	12222217ECD7.D	22L0137-39RE1	5	NO MANUAL INTEGRATION
2151	12222218ECD7.D	22L0137-65RE1	5	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 22-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
2212	12222219ECD7.D	22L0137-68RE1	5	NO MANUAL INTEGRATION
2234	12222220ECD7.D	22L0137-69RE1	5	NO MANUAL INTEGRATION
2255	12222221ECD7.D	22L0137-41RE1	5	NO MANUAL INTEGRATION
2316	12222222ECD7.D	22L0137-45RE1	5	NO MANUAL INTEGRATION
2337	12222223ECD7.D	22L0137-54RE1	5	NO MANUAL INTEGRATION
2359	12222224ECD7.D	22L0137-55RE1	5	NO MANUAL INTEGRATION
0020	12222225ECD7.D	22L0137-56RE1	5	NO MANUAL INTEGRATION
0041	12222226ECD7.D	AR1242CCV3	1	NO MANUAL INTEGRATION
0102	12222227ECD7.D	AR1660CCV4	1	Aroclor-1016, Aroclor-1260,
0123	12222228ECD7.D	22L0137-57RE1	5	NO MANUAL INTEGRATION
0144	12222229ECD7.D	22K0137-05	1	NO MANUAL INTEGRATION
0206	12222230ECD7.D	22K0137-06	1	NO MANUAL INTEGRATION
0227	12222231ECD7.D	22K0137-07	1	NO MANUAL INTEGRATION
0248	12222232ECD7.D	22K0137-08	1	NO MANUAL INTEGRATION
0309	12222233ECD7.D	22K0137-14	1	NO MANUAL INTEGRATION
0330	12222234ECD7.D	22K0137-15	1	NO MANUAL INTEGRATION
0352	12222235ECD7.D	22K0137-16	1	NO MANUAL INTEGRATION
0413	12222236ECD7.D	BKL0284-BLK1	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 23-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0434	12222237ECD7.D	BKL0284-BS1	1	NO MANUAL INTEGRATION
0455	12222238ECD7.D	BKL0284-BSD1	1	NO MANUAL INTEGRATION
0516	12222239ECD7.D	BKL0284-SRM1	1	Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268,
0538	12222240ECD7.D	22L0155-01	1	NO MANUAL INTEGRATION
0559	12222241ECD7.D	22L0155-02	1	NO MANUAL INTEGRATION
0620	12222242ECD7.D	22L0155-03	1	NO MANUAL INTEGRATION
0641	12222243ECD7.D	AR1254CCV5	1	NO MANUAL INTEGRATION
0703	12222244ECD7.D	AR1660CCV6	1	Aroclor-1016, Aroclor-1260,
0724	12222245ECD7.D	22L0155-04	1	NO MANUAL INTEGRATION
0745	12222246ECD7.D	22L0155-05	1	NO MANUAL INTEGRATION
0806	12222247ECD7.D	22L0155-06	1	NO MANUAL INTEGRATION
0827	12222248ECD7.D	22L0155-07	1	NO MANUAL INTEGRATION
0849	12222249ECD7.D	22L0155-08	1	NO MANUAL INTEGRATION
0910	12222250ECD7.D	22L0155-09	1	Aroclor-1254,
0931	12222251ECD7.D	22L0155-10	1	NO MANUAL INTEGRATION
0952	12222252ECD7.D	22L0155-11	1	Aroclor-1260, Tetrachloro-m-xylene,
1014	12222253ECD7.D	BKL0550-BLK1	1	NO MANUAL INTEGRATION
1035	12222254ECD7.D	BKL0550-BS1	1	NO MANUAL INTEGRATION

Instrument: ecd7.i Date: 23-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1056	12222255ECD7.D	BKL0550-BSD1	1	NO MANUAL INTEGRATION
1117	12222256ECD7.D	22L0474-01	1	NO MANUAL INTEGRATION
1138	12222257ECD7.D	22L0488-01	1	Aroclor-1260, Decachlorobiphenyl,
1200	12222258ECD7.D	AR1248CCV7	1	NO MANUAL INTEGRATION
1221	12222259ECD7.D	AR1660CCV8	1	Aroclor-1016, Aroclor-1260,
1242	12222260ECD7.D	22L0155-12	1	Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Tetrachloro-m-xylene,
1303	12222261ECD7.D	22L0155-13	1	NO MANUAL INTEGRATION
1325	12222262ECD7.D	22L0155-14	1	Aroclor-1248, Aroclor-1254, Aroclor-1260,
1346	12222263ECD7.D	22L0155-15	1	NO MANUAL INTEGRATION
1407	12222264ECD7.D	22L0155-16	1	NO MANUAL INTEGRATION
1428	12222265ECD7.D	AR1242CCV9	1	NO MANUAL INTEGRATION
1449	12222266ECD7.D	AR1660CCVA	1	Aroclor-1016, Aroclor-1260,

Security Status Report

Date: 14-Jan-2023 09:07

12222201ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222202ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222203ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222204ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222205ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222206ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222207ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222208ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222209ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222210ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222211ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222212ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222213ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222214ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222215ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222217ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222218ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222219ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222220ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222221ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222222ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222223ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222224ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222226ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222227ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222228ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222229ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222235ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222236ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222241ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222242ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222243ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222244ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00

12222245ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222247ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222248ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222249ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222251ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
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12222254ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222255ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222256ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222257ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222258ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222259ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222260ECD7.D	Data Locked	richardl, 14-Jan-2023 09:07
12222261ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222262ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222263ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222264ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222265ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00
12222266ECD7.D	Data Unlocked	jrains, 05-Dec-2022 17:00

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0096
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Calibration Check	SLA0096-CCV3	01052331ECD7.D	01052331ECD7.D	NA	01/05/23 22:56
Calibration Check	SLA0096-CCV4	01052332ECD7.D	01052332ECD7.D	NA	01/05/23 23:17
Calibration Check	SLA0096-CCV5	01052349ECD7.D	01052349ECD7.D	NA	01/06/23 05:15
Calibration Check	SLA0096-CCV6	01052350ECD7.D	01052350ECD7.D	NA	01/06/23 05:36
Calibration Check	SLA0096-CCV7	01052361ECD7.D	01052361ECD7.D	NA	01/06/23 09:28
Calibration Check	SLA0096-CCV8	01052362ECD7.D	01052362ECD7.D	NA	01/06/23 09:49
Calibration Check	SLA0096-CCV9	01052372ECD7.D	01052372ECD7.D	NA	01/06/23 13:19
Calibration Check	SLA0096-CCVA	01052373ECD7.D	01052373ECD7.D	NA	01/06/23 13:40
Calibration Check	SLA0096-CCVB	01052384ECD7.D	01052384ECD7.D	NA	01/06/23 17:32
Calibration Check	SLA0096-CCVC	01052385ECD7.D	01052385ECD7.D	NA	01/06/23 17:53
LDW22-SC785B	22L0137-19	01052390ECD7.D	01052390ECD7.D	Solid	01/06/23 19:39
Calibration Check	SLA0096-CCVD	01052392ECD7.D	01052392ECD7.D	NA	01/06/23 20:21
Calibration Check	SLA0096-CCVE	01052393ECD7.D	01052393ECD7.D	NA	01/06/23 20:42

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0096-ICV1	QC		1		K006957	K006953		
SLA0096-ICV2	QC		2		K006954	K006953		
BLA0052-BLK1	QC		3			K006953		
BLA0052-BS1	QC		4			K006953		
23A0030-01	082A PCB Medium Level Oil	A 01	5			K006953	Seattle Public Utilities [Solid Waste Field Op]	See Version Comment
BLA0047-BLK1	QC		6			K006953		
BLA0047-BS1	QC		7			K006953		
BLA0047-BSD1	QC		8			K006953		
22L0663-01	PCB (20 ug/kg) or (MTCA 0.	B 01	9			K006953	Nucor Steel Corporation	
BLA0043-BLK1	QC		10			K006953		
BLA0043-BS1	QC		11			K006953		
BLA0043-BSD1	QC		12			K006953		
22L0661-01	8.3 PCBs 0.01 ug/L or 20 ug/	E 01	13			K006953	Nucor Steel Corporation	
23A0027-01	8.3 PCBs 0.01 ug/L or 20 ug/	E 01	14			K006953	Schnitzer Steel	Please run low-level check standards , (
SLA0096-CCV1	QC		15		K006956	K006953		
SLA0096-CCV2	QC		16		K006954	K006953		
22L0246-11	8082A PCB Solid 4	C 02	17			K006953	Anchor QEA, LLC	
22L0246-12	8082A PCB Solid 4	C 02	18			K006953	Anchor QEA, LLC	
22L0246-13	8082A PCB Solid 4	C 02	19			K006953	Anchor QEA, LLC	
22L0246-14	8082A PCB Solid 4	C 02	20			K006953	Anchor QEA, LLC	
22L0246-15	8082A PCB Solid 4	B 01	21			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0246-16	8082A PCB Solid 4	B 01	22			K006953	Anchor QEA, LLC	
22L0246-17	8082A PCB Solid 4	B 01	23			K006953	Anchor QEA, LLC	
SLA0096-CCV3	QC		24		K006955	K006953		
SLA0096-CCV4	QC		25		K006954	K006953		
22L0473-03	8082A PCB Solid 4	A 02	26			K006953	Anchor QEA, LLC	
22L0473-05	8082A PCB Solid 4	A 02	27			K006953	Anchor QEA, LLC	
22L0473-06	8082A PCB Solid 4	A 02	28			K006953	Anchor QEA, LLC	
22L0473-07	8082A PCB Solid 4	A 02	29			K006953	Anchor QEA, LLC	
22L0473-08	8082A PCB Solid 4	A 02	30			K006953	Anchor QEA, LLC	
SLA0096-CCV5	QC		31		K006957	K006953		
SLA0096-CCV6	QC		32		K006954	K006953		
22L0473-09	8082A PCB Solid 4	A 02	33			K006953	Anchor QEA, LLC	
22L0473-10	8082A PCB Solid 4	A 01	34			K006953	Anchor QEA, LLC	
22L0492-13	8082A PCB Solid 4	A 01	35			K006953	Windward Environmental, LLC	
22L0492-15	8082A PCB Solid 4	A 01	36			K006953	Windward Environmental, LLC	
22L0492-16	8082A PCB Solid 4	A 01	37			K006953	Windward Environmental, LLC	
SLA0096-CCV7	QC		38		K006956	K006953		
SLA0096-CCV8	QC		39		K006954	K006953		
22L0246-21	8082A PCB Solid 4	B 01	40			K006953	Anchor QEA, LLC	
22L0246-22	8082A PCB Solid 4	B 01	41			K006953	Anchor QEA, LLC	
22L0246-06	8082A PCB Solid 4	B 01	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0246-07	8082A PCB Solid 4	C 02	43			K006953	Anchor QEA, LLC	
22L0246-05	8082A PCB Solid 4	B 01	44			K006953	Anchor QEA, LLC	
22L0246-09	8082A PCB Solid 4	C 02	45			K006953	Anchor QEA, LLC	
22L0199-40	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
22L0199-41	8082A PCB Solid 4	B 01	47			K006953	Anchor QEA, LLC	
22L0199-42	8082A PCB Solid 4	B 01	48			K006953	Anchor QEA, LLC	
SLA0096-CCV9	QC		49		K006955	K006953		
SLA0096-CCVA	QC		50		K006954	K006953		
22L0199-25	8082A PCB Solid 4	B 01	51			K006953	Anchor QEA, LLC	
22L0199-26	8082A PCB Solid 4	B 01	52			K006953	Anchor QEA, LLC	
22L0199-27	8082A PCB Solid 4	B 01	53			K006953	Anchor QEA, LLC	
22L0199-28	8082A PCB Solid 4	B 01	54			K006953	Anchor QEA, LLC	
22L0199-29	8082A PCB Solid 4	B 01	55			K006953	Anchor QEA, LLC	
22L0199-30	8082A PCB Solid 4	B 01	56			K006953	Anchor QEA, LLC	
22L0199-33	8082A PCB Solid 4	B 01	57			K006953	Anchor QEA, LLC	
22L0199-34	8082A PCB Solid 4	B 01	58			K006953	Anchor QEA, LLC	
22L0199-35	8082A PCB Solid 4	B 01	59			K006953	Anchor QEA, LLC	
22L0199-36	8082A PCB Solid 4	B 01	60			K006953	Anchor QEA, LLC	
SLA0096-CCVB	QC		61		K006957	K006953		
SLA0096-CCVC	QC		62		K006954	K006953		
22L0199-37	8082A PCB Solid 4	B 01	63			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0199-38	8082A PCB Solid 4	B 01	64			K006953	Anchor QEA, LLC	
22L0199-39	8082A PCB Solid 4	B 01	65			K006953	Anchor QEA, LLC	
22L0307-01	8082A PCB Solid 4	B 01	66			K006953	Anchor QEA, LLC	
22L0137-19	8082A PCB Solid 4	B 01	67			K006953	Anchor QEA, LLC	
SLA0096-CCVD	QC		68		K006956	K006953		
SLA0096-CCVE	QC		69		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	05-JAN-2023 12:22	01052301.D	1	DDTS	
2	05-JAN-2023 12:43	01052302.D	1	AR1254ICV1	
3	05-JAN-2023 13:04	01052303.D	1	AR1660ICV2	
4	05-JAN-2023 13:26	01052304.D	1	BLA0052-BLK1	
5	05-JAN-2023 13:47	01052305.D	1	BLA0052-BS1	
6	05-JAN-2023 14:08	01052306.D	1	23A0030-01	
7	05-JAN-2023 14:29	01052307.D	5	23A0030-01RE1	
8	05-JAN-2023 14:50	01052308.D	1	BLA0047-BLK1	
9	05-JAN-2023 15:11	01052309.D	1	BLA0047-BS1	
10	05-JAN-2023 15:32	01052310.D	1	BLA0047-BSD1	
11	05-JAN-2023 15:53	01052311.D	1	22L0663-01	
12	05-JAN-2023 16:15	01052312.D	5	22L0663-01RE1	
13	05-JAN-2023 16:36	01052313.D	1	BLA0043-BLK1	
14	05-JAN-2023 16:57	01052314.D	1	BLA0043-BS1	
15	05-JAN-2023 17:18	01052315.D	1	BLA0043-BSD1	
16	05-JAN-2023 17:39	01052316.D	1	22L0661-01	
17	05-JAN-2023 18:00	01052317.D	1	23A0027-01	
18	05-JAN-2023 18:21	01052318.D	1	SCVA250	
19	05-JAN-2023 18:42	01052319.D	1	AR1248CCV1	
20	05-JAN-2023 19:04	01052320.D	1	AR1660CCV2	
21	05-JAN-2023 19:25	01052321.D	1	22L0246-11	
22	05-JAN-2023 19:46	01052322.D	1	22L0246-12	
23	05-JAN-2023 20:07	01052323.D	1	22L0246-13	
24	05-JAN-2023 20:28	01052324.D	1	22L0246-14	
25	05-JAN-2023 20:49	01052325.D	1	22L0246-15	
26	05-JAN-2023 21:10	01052326.D	1	22L0246-16	
27	05-JAN-2023 21:31	01052327.D	1	22L0246-17	
28	05-JAN-2023 21:52	01052328.D	1	22L0246-18	
29	05-JAN-2023 22:14	01052329.D	1	22L0246-19	
30	05-JAN-2023 22:35	01052330.D	1	22L0246-20	
31	05-JAN-2023 22:56	01052331.D	1	AR1242CCV3	
32	05-JAN-2023 23:17	01052332.D	1	AR1660CCV4	
33	05-JAN-2023 23:38	01052333.D	1	BKL0613-BLK1	
34	05-JAN-2023 23:59	01052334.D	1	BKL0613-BS1	
35	06-JAN-2023 00:20	01052335.D	1	BKL0613-BSD1	
36	06-JAN-2023 00:41	01052336.D	1	BKL0613-SRM1	
37	06-JAN-2023 01:02	01052337.D	1	BKL0613-MS1	
38	06-JAN-2023 01:23	01052338.D	1	BKL0613-MSD1	
39	06-JAN-2023 01:45	01052339.D	1	BKL0613-MS2	
40	06-JAN-2023 02:06	01052340.D	1	BKL0613-MSD2	
41	06-JAN-2023 02:27	01052341.D	1	22L0473-01	
42	06-JAN-2023 02:48	01052342.D	1	22L0473-02	
43	06-JAN-2023 03:09	01052343.D	1	22L0473-03	
44	06-JAN-2023 03:30	01052344.D	1	22L0473-04	
45	06-JAN-2023 03:51	01052345.D	1	22L0473-05	
46	06-JAN-2023 04:12	01052346.D	1	22L0473-06	
47	06-JAN-2023 04:33	01052347.D	1	22L0473-07	
48	06-JAN-2023 04:54	01052348.D	1	22L0473-08	
49	06-JAN-2023 05:15	01052349.D	1	AR1254CCV5	
50	06-JAN-2023 05:36	01052350.D	1	AR1660CCV6	

	Inject Date/Time	Filename	DF	LabID	ClientID
51	06-JAN-2023 05:57	01052351.D	1	22L0473-09	
52	06-JAN-2023 06:18	01052352.D	1	22L0473-10	
53	06-JAN-2023 06:39	01052353.D	1	22L0473-11	
54	06-JAN-2023 07:00	01052354.D	1	22L0492-12	
55	06-JAN-2023 07:22	01052355.D	1	22L0492-13	
56	06-JAN-2023 07:43	01052356.D	1	22L0492-14	
57	06-JAN-2023 08:04	01052357.D	1	22L0492-15	
58	06-JAN-2023 08:25	01052358.D	1	22L0492-16	
59	06-JAN-2023 08:46	01052359.D	1	22L0492-17	
60	06-JAN-2023 09:07	01052360.D	1	22L0492-18	
61	06-JAN-2023 09:28	01052361.D	1	AR1248CCV7	
62	06-JAN-2023 09:49	01052362.D	1	AR1660CCV8	
63	06-JAN-2023 10:10	01052363.D	10	22L0246-21RE1	
64	06-JAN-2023 10:31	01052364.D	10	22L0246-22RE1	
65	06-JAN-2023 10:52	01052365.D	10	22L0246-06RE1	
66	06-JAN-2023 11:13	01052366.D	5	22L0246-07RE1	
67	06-JAN-2023 11:34	01052367.D	1	22L0246-05	
68	06-JAN-2023 11:55	01052368.D	1	22L0246-09	
69	06-JAN-2023 12:16	01052369.D	1	22L0199-40	
70	06-JAN-2023 12:37	01052370.D	5	22L0199-41RE2	
71	06-JAN-2023 12:58	01052371.D	5	22L0199-42RE2	
72	06-JAN-2023 13:19	01052372.D	1	AR1242CCV9	
73	06-JAN-2023 13:40	01052373.D	1	AR1660CCVA	
74	06-JAN-2023 14:02	01052374.D	1	22L0199-25	
75	06-JAN-2023 14:23	01052375.D	1	22L0199-26	
76	06-JAN-2023 14:44	01052376.D	1	22L0199-27	
77	06-JAN-2023 15:05	01052377.D	1	22L0199-28	
78	06-JAN-2023 15:26	01052378.D	1	22L0199-29	
79	06-JAN-2023 15:47	01052379.D	20	22L0199-30	
80	06-JAN-2023 16:08	01052380.D	1	22L0199-33	
81	06-JAN-2023 16:29	01052381.D	1	22L0199-34	
82	06-JAN-2023 16:50	01052382.D	1	22L0199-35	
83	06-JAN-2023 17:11	01052383.D	1	22L0199-36	
84	06-JAN-2023 17:32	01052384.D	1	AR1254CCVB	
85	06-JAN-2023 17:53	01052385.D	1	AR1660CCVC	
86	06-JAN-2023 18:15	01052386.D	1	22L0199-37	
87	06-JAN-2023 18:36	01052387.D	1	22L0199-38	
88	06-JAN-2023 18:57	01052388.D	1	22L0199-39	
89	06-JAN-2023 19:18	01052389.D	5	22L0307-01RE1	
90	06-JAN-2023 19:39	01052390.D	1	22L0137-19	
91	06-JAN-2023 20:00	01052391.D	5	22L0199-7RE3	
92	06-JAN-2023 20:21	01052392.D	1	AR1242CCVD	
93	06-JAN-2023 20:42	01052393.D	1	AR1660CCVE	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

ARI Job No.: DDTS Method: PCB.m Instrument: ecd7.i Date: 05-JAN-2023

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1222	01052301ECD7.D	DDTS		1	NO MANUAL INTEGRATION
1243	01052302ECD7.D	AR1254ICV1		1	NO MANUAL INTEGRATION
1304	01052303ECD7.D	AR1660ICV2		1	NO MANUAL INTEGRATION
1326	01052304ECD7.D	BLA0052-BLK1		1	NO MANUAL INTEGRATION
1347	01052305ECD7.D	BLA0052-BS1		1	NO MANUAL INTEGRATION
1408	01052306ECD7.D	23A0030-01		1	NO MANUAL INTEGRATION
1429	01052307ECD7.D	23A0030-01RE1		5	NO MANUAL INTEGRATION
1450	01052308ECD7.D	BLA0047-BLK1		1	NO MANUAL INTEGRATION
1511	01052309ECD7.D	BLA0047-BS1		1	NO MANUAL INTEGRATION
1532	01052310ECD7.D	BLA0047-BSD1		1	NO MANUAL INTEGRATION
1553	01052311ECD7.D	22L0663-01		1	Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,
1615	01052312ECD7.D	22L0663-01RE1		5	NO MANUAL INTEGRATION
1636	01052313ECD7.D	BLA0043-BLK1		1	NO MANUAL INTEGRATION
1657	01052314ECD7.D	BLA0043-BS1		1	NO MANUAL INTEGRATION
1718	01052315ECD7.D	BLA0043-BSD1		1	NO MANUAL INTEGRATION
1739	01052316ECD7.D	22L0661-01		1	Tetrachloro-m-xylene,
1800	01052317ECD7.D	23A0027-01		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1821	01052318ECD7.D	SCVA250		1	NO MANUAL INTEGRATION
1842	01052319ECD7.D	AR1248CCV1		1	NO MANUAL INTEGRATION
1904	01052320ECD7.D	AR1660CCV2		1	NO MANUAL INTEGRATION
1925	01052321ECD7.D	22L0246-11		1	Aroclor-1248, Aroclor-1254, Aroclor-1260,
1946	01052322ECD7.D	22L0246-12		1	Aroclor-1254, Aroclor-1260,
2007	01052323ECD7.D	22L0246-13		1	NO MANUAL INTEGRATION
2028	01052324ECD7.D	22L0246-14		1	NO MANUAL INTEGRATION
2049	01052325ECD7.D	22L0246-15		1	Aroclor-1254, Aroclor-1260,
2110	01052326ECD7.D	22L0246-16		1	Aroclor-1254,
2131	01052327ECD7.D	22L0246-17		1	Aroclor-1254,
2152	01052328ECD7.D	22L0246-18		1	NO MANUAL INTEGRATION
2214	01052329ECD7.D	22L0246-19		1	NO MANUAL INTEGRATION
2235	01052330ECD7.D	22L0246-20		1	NO MANUAL INTEGRATION
2256	01052331ECD7.D	AR1242CCV3		1	NO MANUAL INTEGRATION
2317	01052332ECD7.D	AR1660CCV4		1	NO MANUAL INTEGRATION
2338	01052333ECD7.D	BKL0613-BLK1		1	NO MANUAL INTEGRATION
2359	01052334ECD7.D	BKL0613-BS1		1	NO MANUAL INTEGRATION
0020	01052335ECD7.D	BKL0613-BSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0041	01052336ECD7.D	BKL0613-SRM1		1	NO MANUAL INTEGRATION
0102	01052337ECD7.D	BKL0613-MS1		1	NO MANUAL INTEGRATION
0123	01052338ECD7.D	BKL0613-MSD1		1	NO MANUAL INTEGRATION
0145	01052339ECD7.D	BKL0613-MS2		1	NO MANUAL INTEGRATION
0206	01052340ECD7.D	BKL0613-MSD2		1	NO MANUAL INTEGRATION
0227	01052341ECD7.D	22L0473-01		1	Aroclor-1254, Aroclor-1260,
0248	01052342ECD7.D	22L0473-02		1	NO MANUAL INTEGRATION
0309	01052343ECD7.D	22L0473-03		1	NO MANUAL INTEGRATION
0330	01052344ECD7.D	22L0473-04		1	Aroclor-1254,
0351	01052345ECD7.D	22L0473-05		1	NO MANUAL INTEGRATION
0412	01052346ECD7.D	22L0473-06		1	NO MANUAL INTEGRATION
0433	01052347ECD7.D	22L0473-07		1	NO MANUAL INTEGRATION
0454	01052348ECD7.D	22L0473-08		1	NO MANUAL INTEGRATION
0515	01052349ECD7.D	AR1254CCV5		1	NO MANUAL INTEGRATION
0536	01052350ECD7.D	AR1660CCV6		1	NO MANUAL INTEGRATION
0557	01052351ECD7.D	22L0473-09		1	NO MANUAL INTEGRATION
0618	01052352ECD7.D	22L0473-10		1	NO MANUAL INTEGRATION
0639	01052353ECD7.D	22L0473-11		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0700	01052354ECD7.D	22L0492-12		1	NO MANUAL INTEGRATION
0722	01052355ECD7.D	22L0492-13		1	NO MANUAL INTEGRATION
0743	01052356ECD7.D	22L0492-14		1	Aroclor-1254,
0804	01052357ECD7.D	22L0492-15		1	NO MANUAL INTEGRATION
0825	01052358ECD7.D	22L0492-16		1	NO MANUAL INTEGRATION
0846	01052359ECD7.D	22L0492-17		1	Aroclor-1260,
0907	01052360ECD7.D	22L0492-18		1	Aroclor-1254, Aroclor-1260,
0928	01052361ECD7.D	AR1248CCV7		1	NO MANUAL INTEGRATION
0949	01052362ECD7.D	AR1660CCV8		1	NO MANUAL INTEGRATION
1010	01052363ECD7.D	22L0246-21RE1		10	Aroclor-1254,
1031	01052364ECD7.D	22L0246-22RE1		10	Aroclor-1254,
1052	01052365ECD7.D	22L0246-06RE1		10	NO MANUAL INTEGRATION
1113	01052366ECD7.D	22L0246-07RE1		5	NO MANUAL INTEGRATION
1134	01052367ECD7.D	22L0246-05		1	Aroclor-1254,
1155	01052368ECD7.D	22L0246-09		1	NO MANUAL INTEGRATION
1216	01052369ECD7.D	22L0199-40		1	Aroclor-1254,
1237	01052370ECD7.D	22L0199-41RE2		5	Aroclor-1254,
1258	01052371ECD7.D	22L0199-42RE2		5	Aroclor-1254,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1319	01052372ECD7.D	AR1242CCV9		1	Aroclor-1242,
1340	01052373ECD7.D	AR1660CCVA		1	NO MANUAL INTEGRATION
1402	01052374ECD7.D	22L0199-25		1	Aroclor-1254,
1423	01052375ECD7.D	22L0199-26		1	Aroclor-1254,
1444	01052376ECD7.D	22L0199-27		1	Aroclor-1254,
1505	01052377ECD7.D	22L0199-28		1	NO MANUAL INTEGRATION
1526	01052378ECD7.D	22L0199-29		1	Aroclor-1254,
1547	01052379ECD7.D	22L0199-30		20	Aroclor-1254,
1608	01052380ECD7.D	22L0199-33		1	NO MANUAL INTEGRATION
1629	01052381ECD7.D	22L0199-34		1	NO MANUAL INTEGRATION
1650	01052382ECD7.D	22L0199-35		1	Aroclor-1254,
1711	01052383ECD7.D	22L0199-36		1	Aroclor-1254,
1732	01052384ECD7.D	AR1254CCVB		1	NO MANUAL INTEGRATION
1753	01052385ECD7.D	AR1660CCVC		1	NO MANUAL INTEGRATION
1815	01052386ECD7.D	22L0199-37		1	Aroclor-1254,
1836	01052387ECD7.D	22L0199-38		1	Aroclor-1254,
1857	01052388ECD7.D	22L0199-39		1	Aroclor-1254,
1918	01052389ECD7.D	22L0307-01RE1		5	Aroclor-1254,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1939	01052390ECD7.D	22L0137-19		1	Aroclor-1254,
2000	01052391ECD7.D	22L0199-7RE3		5	NO MANUAL INTEGRATION
2021	01052392ECD7.D	AR1242CCVD		1	Aroclor-1242,
2042	01052393ECD7.D	AR1660CCVE		1	NO MANUAL INTEGRATION
1222	01052301ECD7.D	DDTS		1	NO MANUAL INTEGRATION
1243	01052302ECD7.D	AR1254ICV1		1	NO MANUAL INTEGRATION
1304	01052303ECD7.D	AR1660ICV2		1	NO MANUAL INTEGRATION
1326	01052304ECD7.D	BLA0052-BLK1		1	NO MANUAL INTEGRATION
1347	01052305ECD7.D	BLA0052-BS1		1	NO MANUAL INTEGRATION
1408	01052306ECD7.D	23A0030-01		1	NO MANUAL INTEGRATION
1429	01052307ECD7.D	23A0030-01RE1		5	NO MANUAL INTEGRATION
1450	01052308ECD7.D	BLA0047-BLK1		1	NO MANUAL INTEGRATION
1511	01052309ECD7.D	BLA0047-BS1		1	NO MANUAL INTEGRATION
1532	01052310ECD7.D	BLA0047-BSD1		1	NO MANUAL INTEGRATION
1553	01052311ECD7.D	22L0663-01		1	Aroclor-1260 [2C],
1615	01052312ECD7.D	22L0663-01RE1		5	NO MANUAL INTEGRATION
1636	01052313ECD7.D	BLA0043-BLK1		1	NO MANUAL INTEGRATION
1657	01052314ECD7.D	BLA0043-BS1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1718	01052315ECD7.D	BLA0043-BSD1		1	NO MANUAL INTEGRATION
1739	01052316ECD7.D	22L0661-01		1	NO MANUAL INTEGRATION
1800	01052317ECD7.D	23A0027-01		1	NO MANUAL INTEGRATION
1821	01052318ECD7.D	SCVA250		1	NO MANUAL INTEGRATION
1842	01052319ECD7.D	AR1248CCV1		1	NO MANUAL INTEGRATION
1904	01052320ECD7.D	AR1660CCV2		1	NO MANUAL INTEGRATION
1925	01052321ECD7.D	22L0246-11		1	Aroclor-1248 [2C], Aroclor-1254 [2C],
1946	01052322ECD7.D	22L0246-12		1	NO MANUAL INTEGRATION
2007	01052323ECD7.D	22L0246-13		1	NO MANUAL INTEGRATION
2028	01052324ECD7.D	22L0246-14		1	NO MANUAL INTEGRATION
2049	01052325ECD7.D	22L0246-15		1	Aroclor-1248 [2C],
2110	01052326ECD7.D	22L0246-16		1	Aroclor-1248 [2C],
2131	01052327ECD7.D	22L0246-17		1	Aroclor-1248 [2C],
2152	01052328ECD7.D	22L0246-18		1	NO MANUAL INTEGRATION
2214	01052329ECD7.D	22L0246-19		1	NO MANUAL INTEGRATION
2235	01052330ECD7.D	22L0246-20		1	NO MANUAL INTEGRATION
2256	01052331ECD7.D	AR1242CCV3		1	NO MANUAL INTEGRATION
2317	01052332ECD7.D	AR1660CCV4		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2338	01052333ECD7.D	BKL0613-BLK1		1	NO MANUAL INTEGRATION
2359	01052334ECD7.D	BKL0613-BS1		1	NO MANUAL INTEGRATION
0020	01052335ECD7.D	BKL0613-BSD1		1	NO MANUAL INTEGRATION
0041	01052336ECD7.D	BKL0613-SRM1		1	NO MANUAL INTEGRATION
0102	01052337ECD7.D	BKL0613-MS1		1	NO MANUAL INTEGRATION
0123	01052338ECD7.D	BKL0613-MSD1		1	NO MANUAL INTEGRATION
0145	01052339ECD7.D	BKL0613-MS2		1	NO MANUAL INTEGRATION
0206	01052340ECD7.D	BKL0613-MSD2		1	NO MANUAL INTEGRATION
0227	01052341ECD7.D	22L0473-01		1	NO MANUAL INTEGRATION
0248	01052342ECD7.D	22L0473-02		1	NO MANUAL INTEGRATION
0309	01052343ECD7.D	22L0473-03		1	NO MANUAL INTEGRATION
0330	01052344ECD7.D	22L0473-04		1	NO MANUAL INTEGRATION
0351	01052345ECD7.D	22L0473-05		1	NO MANUAL INTEGRATION
0412	01052346ECD7.D	22L0473-06		1	NO MANUAL INTEGRATION
0433	01052347ECD7.D	22L0473-07		1	NO MANUAL INTEGRATION
0454	01052348ECD7.D	22L0473-08		1	NO MANUAL INTEGRATION
0515	01052349ECD7.D	AR1254CCV5		1	NO MANUAL INTEGRATION
0536	01052350ECD7.D	AR1660CCV6		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0557	01052351ECD7.D	22L0473-09		1	NO MANUAL INTEGRATION
0618	01052352ECD7.D	22L0473-10		1	NO MANUAL INTEGRATION
0639	01052353ECD7.D	22L0473-11		1	NO MANUAL INTEGRATION
0700	01052354ECD7.D	22L0492-12		1	NO MANUAL INTEGRATION
0722	01052355ECD7.D	22L0492-13		1	NO MANUAL INTEGRATION
0743	01052356ECD7.D	22L0492-14		1	Aroclor-1260 [2C],
0804	01052357ECD7.D	22L0492-15		1	NO MANUAL INTEGRATION
0825	01052358ECD7.D	22L0492-16		1	NO MANUAL INTEGRATION
0846	01052359ECD7.D	22L0492-17		1	NO MANUAL INTEGRATION
0907	01052360ECD7.D	22L0492-18		1	Aroclor-1254 [2C],
0928	01052361ECD7.D	AR1248CCV7		1	NO MANUAL INTEGRATION
0949	01052362ECD7.D	AR1660CCV8		1	NO MANUAL INTEGRATION
1010	01052363ECD7.D	22L0246-21RE1		10	Aroclor-1248 [2C],
1031	01052364ECD7.D	22L0246-22RE1		10	Aroclor-1248 [2C],
1052	01052365ECD7.D	22L0246-06RE1		10	NO MANUAL INTEGRATION
1113	01052366ECD7.D	22L0246-07RE1		5	NO MANUAL INTEGRATION
1134	01052367ECD7.D	22L0246-05		1	NO MANUAL INTEGRATION
1155	01052368ECD7.D	22L0246-09		1	Aroclor-1260 [2C],

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1216	01052369ECD7.D	22L0199-40		1	Aroclor-1248 [2C],
1237	01052370ECD7.D	22L0199-41RE2		5	Aroclor-1248 [2C],
1258	01052371ECD7.D	22L0199-42RE2		5	Aroclor-1248 [2C],
1319	01052372ECD7.D	AR1242CCV9		1	NO MANUAL INTEGRATION
1340	01052373ECD7.D	AR1660CCVA		1	NO MANUAL INTEGRATION
1402	01052374ECD7.D	22L0199-25		1	Aroclor-1248 [2C],
1423	01052375ECD7.D	22L0199-26		1	Aroclor-1248 [2C],
1444	01052376ECD7.D	22L0199-27		1	Aroclor-1248 [2C],
1505	01052377ECD7.D	22L0199-28		1	Aroclor-1248 [2C], Aroclor-1254 [2C],
1526	01052378ECD7.D	22L0199-29		1	Aroclor-1248 [2C],
1547	01052379ECD7.D	22L0199-30		20	Aroclor-1248 [2C],
1608	01052380ECD7.D	22L0199-33		1	NO MANUAL INTEGRATION
1629	01052381ECD7.D	22L0199-34		1	NO MANUAL INTEGRATION
1650	01052382ECD7.D	22L0199-35		1	Aroclor-1248 [2C], Aroclor-1254 [2C],
1711	01052383ECD7.D	22L0199-36		1	Aroclor-1248 [2C],
1732	01052384ECD7.D	AR1254CCVB		1	NO MANUAL INTEGRATION
1753	01052385ECD7.D	AR1660CCVC		1	NO MANUAL INTEGRATION
1815	01052386ECD7.D	22L0199-37		1	Aroclor-1248 [2C],

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1836	01052387ECD7.D	22L0199-38		1	Aroclor-1248 [2C],
1857	01052388ECD7.D	22L0199-39		1	Aroclor-1248 [2C],
1918	01052389ECD7.D	22L0307-01RE1		5	NO MANUAL INTEGRATION
1939	01052390ECD7.D	22L0137-19		1	Aroclor-1248 [2C],
2000	01052391ECD7.D	22L0199-7RE3		5	NO MANUAL INTEGRATION
2021	01052392ECD7.D	AR1242CCVD		1	NO MANUAL INTEGRATION
2042	01052393ECD7.D	AR1660CCVE		1	NO MANUAL INTEGRATION

Security Status Report

Date: 10-Jan-2023 14:11

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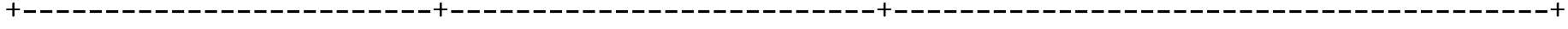

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0048
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0048-SCV1 (Water)			Lab File ID: 12032222ECD7.D			Analyzed: 12/03/22 22:13		
Decachlorobiphenyl	40.000	99.5	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	90.3	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.4	80 - 120	14.137	14.13533	0.0017	N/A	
Tetrachlorometaxylene [2C]	40.000	90.2	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV2 (Water)			Lab File ID: 12032223ECD7.D			Analyzed: 12/03/22 22:34		
Decachlorobiphenyl	40.000	97.9	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	88.9	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	95.0	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	89.5	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0048-SCV3 (Water)			Lab File ID: 12032224ECD7.D			Analyzed: 12/03/22 22:55		
Decachlorobiphenyl	40.000	98.3	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	86.8	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.2	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	87.7	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0048-SCV4 (Water)			Lab File ID: 12032225ECD7.D			Analyzed: 12/03/22 23:17		
Decachlorobiphenyl	40.000	98.9	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	88.8	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.2	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	90.0	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV5 (Water)			Lab File ID: 12032226ECD7.D			Analyzed: 12/03/22 23:38		
Decachlorobiphenyl	40.000	100	80 - 120	13.907	13.90667	0.0003	N/A	
Tetrachlorometaxylene	40.000	90.2	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	96.1	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	89.2	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV6 (Water)			Lab File ID: 12032227ECD7.D			Analyzed: 12/03/22 23:59		
Decachlorobiphenyl	40.000	140	80 - 120	13.906	13.90667	-0.0007	N/A	
Tetrachlorometaxylene	40.000	86.2	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	137	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	85.6	80 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0282
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0282-ICV1 (Solid)			Lab File ID: 12192202ECD7.D			Analyzed: 12/19/22 14:56		
Decachlorobiphenyl	40.000	109	80 - 120	13.906	13.90667	-0.0007	N/A	
Tetrachlorometaxylene	40.000	95.5	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	92.7	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0282-ICV2 (Solid)			Lab File ID: 12192203ECD7.D			Analyzed: 12/19/22 15:17		
Decachlorobiphenyl	40.000	109	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	99.3	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0282-CCV1 (Solid)			Lab File ID: 12192213ECD7.D			Analyzed: 12/19/22 18:49		
Decachlorobiphenyl	40.000	106	80 - 120	13.906	13.90667	-0.0007	N/A	
Tetrachlorometaxylene	40.000	93.1	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	97.4	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	93.4	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0282-CCV2 (Solid)			Lab File ID: 12192214ECD7.D			Analyzed: 12/19/22 19:11		
Decachlorobiphenyl	40.000	109	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.837	5.835333	0.0017	N/A	
Decachlorobiphenyl [2C]	40.000	97.6	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	98.9	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0282-CCV3 (Solid)			Lab File ID: 12192223ECD7.D			Analyzed: 12/19/22 22:21		
Decachlorobiphenyl	40.000	106	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	97.3	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	96.1	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	94.7	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0282-CCV4 (Solid)			Lab File ID: 12192224ECD7.D			Analyzed: 12/19/22 22:43		
Decachlorobiphenyl	40.000	111	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.837	5.835333	0.0017	N/A	
Decachlorobiphenyl [2C]	40.000	97.0	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	99.0	80 - 120	5.714	5.712333	0.0017	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0282	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0282-CCV5 (Solid)			Lab File ID: 12192239ECD7.D			Analyzed: 12/20/22 04:01		
Decachlorobiphenyl	40.000	105	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	94.6	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	97.4	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	93.4	80 - 120	5.708	5.712333	-0.0043	N/A	
SKL0282-CCV6 (Solid)			Lab File ID: 12192240ECD7.D			Analyzed: 12/20/22 04:22		
Decachlorobiphenyl	40.000	113	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.2	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	98.1	80 - 120	5.709	5.712333	-0.0033	N/A	
SKL0282-CCV7 (Solid)			Lab File ID: 12192249ECD7.D			Analyzed: 12/20/22 07:33		
Decachlorobiphenyl	40.000	107	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	91.2	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	96.8	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	91.6	80 - 120	5.711	5.712333	-0.0013	N/A	
SKL0282-CCV8 (Solid)			Lab File ID: 12192250ECD7.D			Analyzed: 12/20/22 07:54		
Decachlorobiphenyl	40.000	113	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	98.9	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	99.2	80 - 120	5.709	5.712333	-0.0033	N/A	
BKL0226-BLK1 (Solid)			Lab File ID: 12192251ECD7.D			Analyzed: 12/20/22 08:15		
Decachlorobiphenyl	8.0000	115	40 - 126	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	8.0000	78.6	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	106	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	76.4	44 - 120	5.709	5.712333	-0.0033	N/A	
BKL0226-BS1 (Solid)			Lab File ID: 12192252ECD7.D			Analyzed: 12/20/22 08:37		
Decachlorobiphenyl	8.0000	113	40 - 126	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	8.0000	88.0	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	107	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	82.4	44 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0282	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0226-BSD1 (Solid)			Lab File ID: 12192253ECD7.D			Analyzed: 12/20/22 08:58		
Decachlorobiphenyl	8.0000	105	40 - 126	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	8.0000	87.7	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	99.2	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	81.1	44 - 120	5.711	5.712333	-0.0013	N/A	
BKL0226-MS1 (Solid)			Lab File ID: 12192254ECD7.D			Analyzed: 12/20/22 09:19		
Decachlorobiphenyl	7.9981	104	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9981	73.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9981	91.7	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9981	86.9	44 - 120	5.705	5.712333	-0.0073	N/A	
BKL0226-MSD1 (Solid)			Lab File ID: 12192255ECD7.D			Analyzed: 12/20/22 09:40		
Decachlorobiphenyl	7.9981	106	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9981	83.1	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9981	93.4	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9981	90.6	44 - 120	5.705	5.712333	-0.0073	N/A	
BKL0226-SRM1 (Solid)			Lab File ID: 12192256ECD7.D			Analyzed: 12/20/22 10:02		
Decachlorobiphenyl	40.000	104	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	40.000	81.1	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	92.8	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	83.5	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-21 (Solid)			Lab File ID: 12192257ECD7.D			Analyzed: 12/20/22 10:23		
Decachlorobiphenyl	7.9921	107	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9921	74.4	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9921	97.4	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9921	82.0	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0137-22 (Solid)			Lab File ID: 12192258ECD7.D			Analyzed: 12/20/22 10:44		
Decachlorobiphenyl	7.9937	103	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9937	73.3	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9937	94.3	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9937	79.2	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0282
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-23 (Solid)			Lab File ID: 12192259ECD7.D			Analyzed: 12/20/22 11:05		
Decachlorobiphenyl	7.9909	103	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9909	67.3	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9909	94.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9909	74.7	44 - 120	5.704	5.712333	-0.0083	N/A	
SKL0282-CCV9 (Solid)			Lab File ID: 12192260ECD7.D			Analyzed: 12/20/22 11:27		
Decachlorobiphenyl	40.000	104	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	98.7	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	95.8	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	96.5	80 - 120	5.709	5.712333	-0.0033	N/A	
SKL0282-CCVA (Solid)			Lab File ID: 12192261ECD7.D			Analyzed: 12/20/22 11:48		
Decachlorobiphenyl	40.000	114	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	99.7	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	98.0	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0304	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0304-ICV1 (Solid)				Lab File ID: 12202202ECD7.D			Analyzed: 12/20/22 13:07	
Decachlorobiphenyl	40.000	110	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	92.1	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	99.5	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	91.6	80 - 120	5.708	5.712333	-0.0043	N/A	
SKL0304-ICV2 (Solid)				Lab File ID: 12202203ECD7.D			Analyzed: 12/20/22 13:28	
Decachlorobiphenyl	40.000	111	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	97.1	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	99.4	80 - 120	5.71	5.712333	-0.0023	N/A	
22L0137-24 (Solid)				Lab File ID: 12202204ECD7.D			Analyzed: 12/20/22 13:49	
Decachlorobiphenyl	7.9925	100	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9925	68.5	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9925	91.6	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9925	75.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-25 (Solid)				Lab File ID: 12202205ECD7.D			Analyzed: 12/20/22 14:10	
Decachlorobiphenyl	7.9759	106	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9759	63.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9759	92.8	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9759	73.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-26 (Solid)				Lab File ID: 12202206ECD7.D			Analyzed: 12/20/22 14:31	
Decachlorobiphenyl	7.9776	120	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9776	65.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9776	109	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9776	75.6	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-27 (Solid)				Lab File ID: 12202207ECD7.D			Analyzed: 12/20/22 14:53	
Decachlorobiphenyl	7.9909	114	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9909	78.2	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9909	105	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9909	85.4	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-28 (Solid)			Lab File ID: 12202208ECD7.D			Analyzed: 12/20/22 15:14		
Decachlorobiphenyl	7.9978	114	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9978	79.9	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9978	104	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9978	90.7	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-29 (Solid)			Lab File ID: 12202209ECD7.D			Analyzed: 12/20/22 15:35		
Decachlorobiphenyl	7.9987	103	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9987	69.9	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9987	92.3	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9987	78.6	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-30 (Solid)			Lab File ID: 12202210ECD7.D			Analyzed: 12/20/22 15:56		
Decachlorobiphenyl	7.9993	109	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9993	73.2	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9993	98.0	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9993	80.1	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-31 (Solid)			Lab File ID: 12202211ECD7.D			Analyzed: 12/20/22 16:17		
Decachlorobiphenyl	7.9721	111	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9721	85.8	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	7.9721	102	40 - 126	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	7.9721	89.4	44 - 120	5.709	5.712333	-0.0033	N/A	
22L0137-32 (Solid)			Lab File ID: 12202212ECD7.D			Analyzed: 12/20/22 16:39		
Decachlorobiphenyl	8.0000	107	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0000	77.4	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	8.0000	94.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0000	84.0	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-33 (Solid)			Lab File ID: 12202213ECD7.D			Analyzed: 12/20/22 17:00		
Decachlorobiphenyl	7.9981	111	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9981	88.7	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9981	98.3	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9981	91.3	44 - 120	5.708	5.712333	-0.0043	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0304-CCV1 (Solid)			Lab File ID: 12202214ECD7.D			Analyzed: 12/20/22 17:21		
Decachlorobiphenyl	40.000	106	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	91.2	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	97.1	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	92.8	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0304-CCV2 (Solid)			Lab File ID: 12202215ECD7.D			Analyzed: 12/20/22 17:42		
Decachlorobiphenyl	40.000	113	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	97.5	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	99.0	80 - 120	5.712	5.712333	-0.0003	N/A	
22L0137-35 (Solid)			Lab File ID: 12202217ECD7.D			Analyzed: 12/20/22 18:25		
Decachlorobiphenyl	7.9762	109	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9762	68.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9762	96.1	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9762	76.4	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-36 (Solid)			Lab File ID: 12202218ECD7.D			Analyzed: 12/20/22 18:46		
Decachlorobiphenyl	7.9973	102	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9973	61.1	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9973	91.4	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9973	69.7	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-37 (Solid)			Lab File ID: 12202219ECD7.D			Analyzed: 12/20/22 19:07		
Decachlorobiphenyl	7.9721	99.4	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9721	70.0	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9721	92.9	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9721	76.5	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-38 (Solid)			Lab File ID: 12202220ECD7.D			Analyzed: 12/20/22 19:29		
Decachlorobiphenyl	7.9803	101	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9803	78.0	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9803	91.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9803	81.9	44 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-39 (Solid)			Lab File ID: 12202221ECD7.D			Analyzed: 12/20/22 19:50		
Decachlorobiphenyl	7.9773	109	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9773	73.7	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9773	100	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9773	78.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-40 (Solid)			Lab File ID: 12202222ECD7.D			Analyzed: 12/20/22 20:11		
Decachlorobiphenyl	7.9940	109	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9940	73.4	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9940	98.3	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9940	81.8	44 - 120	5.706	5.712333	-0.0063	N/A	
SKL0304-CCV3 (Solid)			Lab File ID: 12202223ECD7.D			Analyzed: 12/20/22 20:32		
Decachlorobiphenyl	40.000	108	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	96.1	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	95.5	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	95.1	80 - 120	5.711	5.712333	-0.0013	N/A	
SKL0304-CCV4 (Solid)			Lab File ID: 12202224ECD7.D			Analyzed: 12/20/22 20:53		
Decachlorobiphenyl	40.000	116	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	98.4	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	99.0	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0304-CCV5 (Solid)			Lab File ID: 12202242ECD7.D			Analyzed: 12/21/22 03:15		
Decachlorobiphenyl	40.000	105	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	91.9	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	90.9	80 - 120	5.711	5.712333	-0.0013	N/A	
SKL0304-CCV6 (Solid)			Lab File ID: 12202243ECD7.D			Analyzed: 12/21/22 03:36		
Decachlorobiphenyl	40.000	111	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	98.5	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	99.3	80 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0282-BLK1 (Solid)			Lab File ID: 12202244ECD7.D			Analyzed: 12/21/22 03:57		
Decachlorobiphenyl	8.0000	103	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	76.1	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	91.9	40 - 126	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	8.0000	73.8	44 - 120	5.709	5.712333	-0.0033	N/A	
BKL0282-BS1 (Solid)			Lab File ID: 12202245ECD7.D			Analyzed: 12/21/22 04:19		
Decachlorobiphenyl	8.0000	100	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	82.0	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	92.3	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	78.0	44 - 120	5.711	5.712333	-0.0013	N/A	
BKL0282-BSD1 (Solid)			Lab File ID: 12202246ECD7.D			Analyzed: 12/21/22 04:40		
Decachlorobiphenyl	8.0000	105	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	84.1	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	96.8	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	80.4	44 - 120	5.71	5.712333	-0.0023	N/A	
BKL0282-SRM1 (Solid)			Lab File ID: 12202247ECD7.D			Analyzed: 12/21/22 05:01		
Decachlorobiphenyl	40.000	102	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	40.000	80.9	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	89.2	40 - 126	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	81.4	44 - 120	5.711	5.712333	-0.0013	N/A	
BKL0282-MS1 (Solid)			Lab File ID: 12202248ECD7.D			Analyzed: 12/21/22 05:22		
Decachlorobiphenyl	7.9955	98.2	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9955	61.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9955	87.2	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9955	71.1	44 - 120	5.707	5.712333	-0.0053	N/A	
BKL0282-MSD1 (Solid)			Lab File ID: 12202249ECD7.D			Analyzed: 12/21/22 05:43		
Decachlorobiphenyl	8.0000	97.4	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0000	61.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0000	87.3	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	8.0000	70.5	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-61 (Solid)			Lab File ID: 12202250ECD7.D			Analyzed: 12/21/22 06:04		
Decachlorobiphenyl	7.8931	99.3	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.8931	71.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.8931	88.7	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.8931	77.9	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-62 (Solid)			Lab File ID: 12202251ECD7.D			Analyzed: 12/21/22 06:26		
Decachlorobiphenyl	7.9793	98.5	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9793	63.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9793	90.8	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9793	73.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-63 (Solid)			Lab File ID: 12202252ECD7.D			Analyzed: 12/21/22 06:47		
Decachlorobiphenyl	7.9785	97.8	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9785	66.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9785	89.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9785	74.0	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-64 (Solid)			Lab File ID: 12202253ECD7.D			Analyzed: 12/21/22 07:08		
Decachlorobiphenyl	7.9876	94.0	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9876	63.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9876	86.1	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9876	72.8	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-65 (Solid)			Lab File ID: 12202254ECD7.D			Analyzed: 12/21/22 07:29		
Decachlorobiphenyl	7.9970	101	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9970	66.1	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9970	93.7	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9970	72.8	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-66 (Solid)			Lab File ID: 12202255ECD7.D			Analyzed: 12/21/22 07:50		
Decachlorobiphenyl	7.9847	103	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9847	66.4	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9847	97.3	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9847	75.4	44 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-67 (Solid)			Lab File ID: 12202256ECD7.D			Analyzed: 12/21/22 08:12		
Decachlorobiphenyl	7.9964	102	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9964	66.0	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9964	94.3	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9964	74.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-68 (Solid)			Lab File ID: 12202257ECD7.D			Analyzed: 12/21/22 08:33		
Decachlorobiphenyl	7.9803	103	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9803	67.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9803	95.1	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9803	75.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-69 (Solid)			Lab File ID: 12202258ECD7.D			Analyzed: 12/21/22 08:54		
Decachlorobiphenyl	7.9955	99.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9955	62.6	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9955	90.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9955	72.9	44 - 120	5.705	5.712333	-0.0073	N/A	
SKL0304-CCV7 (Solid)			Lab File ID: 12202259ECD7.D			Analyzed: 12/21/22 09:15		
Decachlorobiphenyl	40.000	103	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	91.6	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	98.9	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	92.1	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0304-CCV8 (Solid)			Lab File ID: 12202260ECD7.D			Analyzed: 12/21/22 09:36		
Decachlorobiphenyl	40.000	109	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	99.8	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.71	5.712333	-0.0023	N/A	
BKL0227-BLK1 (Solid)			Lab File ID: 12202261ECD7.D			Analyzed: 12/21/22 09:57		
Decachlorobiphenyl	8.0000	105	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	85.4	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	102	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	83.4	44 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0304	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0227-BS1 (Solid)			Lab File ID: 12202262ECD7.D			Analyzed: 12/21/22 10:19		
Decachlorobiphenyl	8.0000	111	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	93.9	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	110	40 - 126	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	8.0000	89.7	44 - 120	5.71	5.712333	-0.0023	N/A	
BKL0227-BSD1 (Solid)			Lab File ID: 12202263ECD7.D			Analyzed: 12/21/22 10:40		
Decachlorobiphenyl	8.0000	107	40 - 126	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	8.0000	92.7	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	104	40 - 126	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	8.0000	87.5	44 - 120	5.71	5.712333	-0.0023	N/A	
BKL0227-SRM1 (Solid)			Lab File ID: 12202264ECD7.D			Analyzed: 12/21/22 11:01		
Decachlorobiphenyl	8.0000	105	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	8.0000	85.1	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	8.0000	93.5	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	8.0000	85.7	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-41 (Solid)			Lab File ID: 12202265ECD7.D			Analyzed: 12/21/22 11:22		
Decachlorobiphenyl	7.9980	90.2	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9980	54.9	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9980	79.1	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9980	63.9	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-42 (Solid)			Lab File ID: 12202266ECD7.D			Analyzed: 12/21/22 11:43		
Decachlorobiphenyl	7.9824	95.2	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9824	63.6	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9824	85.8	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9824	72.6	44 - 120	5.705	5.712333	-0.0073	N/A	
BKL0227-MS1 (Solid)			Lab File ID: 12202267ECD7.D			Analyzed: 12/21/22 12:04		
Decachlorobiphenyl	7.9995	98.4	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9995	67.6	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9995	88.5	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9995	77.2	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0227-MSD1 (Solid)			Lab File ID: 12202268ECD7.D			Analyzed: 12/21/22 12:26		
Decachlorobiphenyl	7.9995	100	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9995	64.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9995	87.9	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9995	76.0	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-43 (Solid)			Lab File ID: 12202269ECD7.D			Analyzed: 12/21/22 12:47		
Decachlorobiphenyl	7.9735	96.4	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9735	64.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9735	86.7	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9735	74.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-44 (Solid)			Lab File ID: 12202270ECD7.D			Analyzed: 12/21/22 13:08		
Decachlorobiphenyl	7.9836	89.3	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9836	56.1	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9836	78.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9836	65.1	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-45 (Solid)			Lab File ID: 12202271ECD7.D			Analyzed: 12/21/22 13:29		
Decachlorobiphenyl	7.9949	113	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9949	54.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9949	103	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9949	64.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-46 (Solid)			Lab File ID: 12202272ECD7.D			Analyzed: 12/21/22 13:50		
Decachlorobiphenyl	8.0018	101	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0018	66.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0018	89.8	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	8.0018	78.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-47 (Solid)			Lab File ID: 12202273ECD7.D			Analyzed: 12/21/22 14:12		
Decachlorobiphenyl	7.9949	93.5	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9949	70.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9949	82.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9949	78.7	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0304	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-48 (Solid)			Lab File ID: 12202274ECD7.D			Analyzed: 12/21/22 14:33		
Decachlorobiphenyl	7.9942	98.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9942	71.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9942	88.7	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9942	81.7	44 - 120	5.707	5.712333	-0.0053	N/A	
SKL0304-CCV9 (Solid)			Lab File ID: 12202275ECD7.D			Analyzed: 12/21/22 14:54		
Decachlorobiphenyl	40.000	107	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	95.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.3	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	93.9	80 - 120	5.711	5.712333	-0.0013	N/A	
SKL0304-CCVA (Solid)			Lab File ID: 12202276ECD7.D			Analyzed: 12/21/22 15:15		
Decachlorobiphenyl	40.000	117	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.4	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	98.9	80 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0319-ICV1 (Solid)				Lab File ID: 12212202ECD7.D			Analyzed: 12/21/22 16:07	
Decachlorobiphenyl	40.000	113	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	90.0	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	98.8	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	89.0	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0319-ICV2 (Solid)				Lab File ID: 12212203ECD7.D			Analyzed: 12/21/22 16:29	
Decachlorobiphenyl	40.000	114	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	98.5	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	96.5	80 - 120	5.711	5.712333	-0.0013	N/A	
22L0137-49 (Solid)				Lab File ID: 12212206ECD7.D			Analyzed: 12/21/22 17:32	
Decachlorobiphenyl	7.9945	95.5	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9945	65.3	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9945	85.1	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9945	74.2	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-50 (Solid)				Lab File ID: 12212207ECD7.D			Analyzed: 12/21/22 17:53	
Decachlorobiphenyl	7.9882	95.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9882	69.9	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9882	86.2	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9882	77.2	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-51 (Solid)				Lab File ID: 12212208ECD7.D			Analyzed: 12/21/22 18:15	
Decachlorobiphenyl	7.9800	93.0	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9800	61.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9800	84.9	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9800	69.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-52 (Solid)				Lab File ID: 12212209ECD7.D			Analyzed: 12/21/22 18:36	
Decachlorobiphenyl	8.0016	91.5	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0016	60.7	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0016	84.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0016	70.5	44 - 120	5.708	5.712333	-0.0043	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-53 (Solid)			Lab File ID: 12212210ECD7.D			Analyzed: 12/21/22 18:57		
Decachlorobiphenyl	7.9970	94.8	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9970	58.8	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9970	85.9	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9970	69.3	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-55 (Solid)			Lab File ID: 12212212ECD7.D			Analyzed: 12/21/22 19:39		
Decachlorobiphenyl	8.0014	97.8	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	8.0014	66.4	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0014	89.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0014	73.6	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-56 (Solid)			Lab File ID: 12212213ECD7.D			Analyzed: 12/21/22 20:01		
Decachlorobiphenyl	7.9790	100	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9790	64.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9790	88.8	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9790	71.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-57 (Solid)			Lab File ID: 12212214ECD7.D			Analyzed: 12/21/22 20:22		
Decachlorobiphenyl	7.9812	102	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9812	70.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9812	92.6	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9812	76.7	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-58 (Solid)			Lab File ID: 12212215ECD7.D			Analyzed: 12/21/22 20:43		
Decachlorobiphenyl	7.9957	102	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9957	67.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9957	93.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9957	75.9	44 - 120	5.707	5.712333	-0.0053	N/A	
SKL0319-CCV1 (Solid)			Lab File ID: 12212216ECD7.D			Analyzed: 12/21/22 21:04		
Decachlorobiphenyl	40.000	104	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	87.5	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.0	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	88.8	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0319-CCV2 (Solid)			Lab File ID: 12212217ECD7.D			Analyzed: 12/21/22 21:25		
Decachlorobiphenyl	40.000	114	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	99.0	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	97.5	80 - 120	5.711	5.712333	-0.0013	N/A	
22L0137-59 (Solid)			Lab File ID: 12212218ECD7.D			Analyzed: 12/21/22 21:46		
Decachlorobiphenyl	7.9921	98.3	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9921	73.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9921	87.9	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9921	80.5	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-60 (Solid)			Lab File ID: 12212219ECD7.D			Analyzed: 12/21/22 22:08		
Decachlorobiphenyl	7.9996	93.5	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9996	66.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9996	84.6	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9996	73.6	44 - 120	5.707	5.712333	-0.0053	N/A	
SKL0319-CCV3 (Solid)			Lab File ID: 12212235ECD7.D			Analyzed: 12/22/22 03:46		
Decachlorobiphenyl	40.000	103	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	96.0	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	97.8	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	95.0	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0319-CCV4 (Solid)			Lab File ID: 12212236ECD7.D			Analyzed: 12/22/22 04:07		
Decachlorobiphenyl	40.000	112	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	99.0	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	97.5	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	96.5	80 - 120	5.712	5.712333	-0.0003	N/A	
BKL0197-BLK1 (Solid)			Lab File ID: 12212237ECD7.D			Analyzed: 12/22/22 04:29		
Decachlorobiphenyl	8.0000	99.3	40 - 126	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	8.0000	79.2	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	95.1	40 - 126	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	8.0000	79.2	44 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0197-BS1 (Solid)			Lab File ID: 12212238ECD7.D			Analyzed: 12/22/22 04:50		
Decachlorobiphenyl	8.0000	94.8	40 - 126	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	8.0000	80.0	44 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	8.0000	94.9	40 - 126	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	8.0000	77.3	44 - 120	5.711	5.712333	-0.0013	N/A	
BKL0197-BSD1 (Solid)			Lab File ID: 12212239ECD7.D			Analyzed: 12/22/22 05:11		
Decachlorobiphenyl	8.0000	92.4	40 - 126	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	8.0000	76.3	44 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	8.0000	91.9	40 - 126	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	8.0000	74.2	44 - 120	5.712	5.712333	-0.0003	N/A	
BKL0197-MS1 (Solid)			Lab File ID: 12212240ECD7.D			Analyzed: 12/22/22 05:32		
Decachlorobiphenyl	7.9964	91.8	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9964	70.9	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9964	78.1	40 - 126	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	7.9964	71.6	44 - 120	5.709	5.712333	-0.0033	N/A	
BKL0197-MSD1 (Solid)			Lab File ID: 12212241ECD7.D			Analyzed: 12/22/22 05:53		
Decachlorobiphenyl	7.9964	96.5	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9964	76.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9964	81.4	40 - 126	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	7.9964	76.0	44 - 120	5.707	5.712333	-0.0053	N/A	
BKL0197-SRM1 (Solid)			Lab File ID: 12212242ECD7.D			Analyzed: 12/22/22 06:14		
Decachlorobiphenyl	40.000	95.5	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	40.000	76.5	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	84.0	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	77.1	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-01 (Solid)			Lab File ID: 12212243ECD7.D			Analyzed: 12/22/22 06:36		
Decachlorobiphenyl	7.9747	91.5	40 - 126	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	7.9747	72.3	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	7.9747	84.6	40 - 126	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	7.9747	74.2	44 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-02 (Solid)			Lab File ID: 12212244ECD7.D			Analyzed: 12/22/22 06:57		
Decachlorobiphenyl	7.9862	98.1	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9862	72.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9862	83.2	40 - 126	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	7.9862	76.7	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-03 (Solid)			Lab File ID: 12212245ECD7.D			Analyzed: 12/22/22 07:18		
Decachlorobiphenyl	7.9879	98.2	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9879	71.0	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9879	87.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9879	79.6	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-04 (Solid)			Lab File ID: 12212246ECD7.D			Analyzed: 12/22/22 07:39		
Decachlorobiphenyl	7.9924	91.6	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9924	63.3	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9924	83.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9924	71.7	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-09 (Solid)			Lab File ID: 12212251ECD7.D			Analyzed: 12/22/22 09:25		
Decachlorobiphenyl	7.9803	83.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9803	61.4	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9803	79.1	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9803	66.1	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-10 (Solid)			Lab File ID: 12212252ECD7.D			Analyzed: 12/22/22 09:46		
Decachlorobiphenyl	7.9744	91.5	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9744	62.6	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9744	82.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9744	70.0	44 - 120	5.704	5.712333	-0.0083	N/A	
SKL0319-CCV5 (Solid)			Lab File ID: 12212253ECD7.D			Analyzed: 12/22/22 10:07		
Decachlorobiphenyl	40.000	108	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	93.0	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	99.5	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	92.0	80 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0319-CCV6 (Solid)			Lab File ID: 12212254ECD7.D			Analyzed: 12/22/22 10:28		
Decachlorobiphenyl	40.000	113	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.711	5.712333	-0.0013	N/A	
22L0137-11 (Solid)			Lab File ID: 12212255ECD7.D			Analyzed: 12/22/22 10:49		
Decachlorobiphenyl	7.9989	83.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9989	57.0	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9989	77.2	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9989	61.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-12 (Solid)			Lab File ID: 12212256ECD7.D			Analyzed: 12/22/22 11:10		
Decachlorobiphenyl	7.9753	95.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9753	60.5	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9753	86.2	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9753	72.3	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0137-13 (Solid)			Lab File ID: 12212257ECD7.D			Analyzed: 12/22/22 11:31		
Decachlorobiphenyl	7.9861	94.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9861	61.6	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9861	84.9	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9861	70.9	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-17 (Solid)			Lab File ID: 12212261ECD7.D			Analyzed: 12/22/22 12:56		
Decachlorobiphenyl	7.9988	104	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9988	59.0	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9988	94.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9988	64.6	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0137-18 (Solid)			Lab File ID: 12212262ECD7.D			Analyzed: 12/22/22 13:17		
Decachlorobiphenyl	8.0011	96.1	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0011	72.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	8.0011	85.9	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0011	76.9	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-20 (Solid)			Lab File ID: 12212264ECD7.D			Analyzed: 12/22/22 14:00		
Decachlorobiphenyl	7.9833	87.9	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9833	65.2	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9833	80.7	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9833	69.5	44 - 120	5.707	5.712333	-0.0053	N/A	
SKL0319-CCV7 (Solid)			Lab File ID: 12212265ECD7.D			Analyzed: 12/22/22 14:21		
Decachlorobiphenyl	40.000	105	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	91.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.3	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	93.0	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0319-CCV8 (Solid)			Lab File ID: 12212266ECD7.D			Analyzed: 12/22/22 14:42		
Decachlorobiphenyl	40.000	114	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0330-ICV1 (Solid)			Lab File ID: 12222202ECD7.D			Analyzed: 12/22/22 16:12		
Decachlorobiphenyl	40.000	114	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	87.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.133	14.13533	-0.0023	N/A	
Tetrachlorometaxylene [2C]	40.000	89.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SKL0330-ICV2 (Solid)			Lab File ID: 12222203ECD7.D			Analyzed: 12/22/22 16:34		
Decachlorobiphenyl	40.000	113	80 - 120	13.906	13.90667	-0.0007	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	99.5	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	99.5	80 - 120	5.71	5.712333	-0.0023	N/A	
22L0137-25RE1 (Solid)			Lab File ID: 12222206ECD7.D			Analyzed: 12/22/22 17:37		
Decachlorobiphenyl	7.9759	110	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9759	73.9	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9759	88.6	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9759	82.2	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-26RE1 (Solid)			Lab File ID: 12222207ECD7.D			Analyzed: 12/22/22 17:58		
Decachlorobiphenyl	7.9776	119	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9776	73.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9776	101	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9776	86.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-27RE1 (Solid)			Lab File ID: 12222208ECD7.D			Analyzed: 12/22/22 18:19		
Decachlorobiphenyl	7.9909	117	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9909	86.6	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9909	100	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9909	96.2	44 - 120	5.709	5.712333	-0.0033	N/A	
22L0137-29RE1 (Solid)			Lab File ID: 12222209ECD7.D			Analyzed: 12/22/22 18:41		
Decachlorobiphenyl	7.9987	98.0	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9987	75.3	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9987	83.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9987	79.7	44 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-30RE1 (Solid)			Lab File ID: 12222210ECD7.D				Analyzed: 12/22/22 19:02	
Decachlorobiphenyl	7.9993	106	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9993	81.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9993	89.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9993	84.8	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-34 (Solid)			Lab File ID: 12222211ECD7.D				Analyzed: 12/22/22 19:23	
Decachlorobiphenyl	7.9948	82.5	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9948	59.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9948	72.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9948	66.8	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-35RE1 (Solid)			Lab File ID: 12222212ECD7.D				Analyzed: 12/22/22 19:44	
Decachlorobiphenyl	7.9762	100	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9762	71.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9762	84.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9762	79.9	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-36RE1 (Solid)			Lab File ID: 12222213ECD7.D				Analyzed: 12/22/22 20:05	
Decachlorobiphenyl	7.9973	95.7	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9973	66.1	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9973	80.9	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9973	69.7	44 - 120	5.707	5.712333	-0.0053	N/A	
SKL0330-CCV1 (Solid)			Lab File ID: 12222214ECD7.D				Analyzed: 12/22/22 20:27	
Decachlorobiphenyl	40.000	105	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	89.0	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	97.3	80 - 120	14.132	14.13533	-0.0033	N/A	
Tetrachlorometaxylene [2C]	40.000	90.8	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0330-CCV2 (Solid)			Lab File ID: 12222215ECD7.D				Analyzed: 12/22/22 20:48	
Decachlorobiphenyl	40.000	111	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	98.5	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	98.0	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-38RE1 (Solid)			Lab File ID: 12222216ECD7.D				Analyzed: 12/22/22 21:09	
Decachlorobiphenyl	7.9803	93.0	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9803	80.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9803	77.5	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9803	78.4	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-39RE1 (Solid)			Lab File ID: 12222217ECD7.D				Analyzed: 12/22/22 21:30	
Decachlorobiphenyl	7.9773	107	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9773	80.1	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9773	90.8	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9773	82.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-65RE1 (Solid)			Lab File ID: 12222218ECD7.D				Analyzed: 12/22/22 21:51	
Decachlorobiphenyl	7.9970	101	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9970	71.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9970	83.3	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9970	75.4	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-68RE1 (Solid)			Lab File ID: 12222219ECD7.D				Analyzed: 12/22/22 22:12	
Decachlorobiphenyl	7.9803	105	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9803	76.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9803	87.4	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9803	79.1	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-69RE1 (Solid)			Lab File ID: 12222220ECD7.D				Analyzed: 12/22/22 22:34	
Decachlorobiphenyl	7.9955	94.1	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9955	67.9	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9955	79.0	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9955	74.8	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0137-41RE1 (Solid)			Lab File ID: 12222221ECD7.D				Analyzed: 12/22/22 22:55	
Decachlorobiphenyl	7.9980	87.0	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9980	59.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9980	70.6	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9980	65.0	44 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-45RE1 (Solid)			Lab File ID: 12222222ECD7.D				Analyzed: 12/22/22 23:16	
Decachlorobiphenyl	7.9949	107	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9949	57.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9949	87.8	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9949	63.6	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0137-54RE1 (Solid)			Lab File ID: 12222223ECD7.D				Analyzed: 12/22/22 23:37	
Decachlorobiphenyl	7.9870	106	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9870	77.9	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9870	87.6	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9870	83.2	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-55RE1 (Solid)			Lab File ID: 12222224ECD7.D				Analyzed: 12/22/22 23:59	
Decachlorobiphenyl	8.0014	106	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	8.0014	78.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	8.0014	81.5	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0014	76.8	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-56RE1 (Solid)			Lab File ID: 12222225ECD7.D				Analyzed: 12/23/22 00:20	
Decachlorobiphenyl	7.9790	102	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9790	69.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9790	76.8	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9790	74.2	44 - 120	5.705	5.712333	-0.0073	N/A	
SKL0330-CCV3 (Solid)			Lab File ID: 12222226ECD7.D				Analyzed: 12/23/22 00:41	
Decachlorobiphenyl	40.000	105	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	93.5	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	95.0	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	92.5	80 - 120	5.709	5.712333	-0.0033	N/A	
SKL0330-CCV4 (Solid)			Lab File ID: 12222227ECD7.D				Analyzed: 12/23/22 01:02	
Decachlorobiphenyl	40.000	116	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	99.8	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	97.3	80 - 120	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	40.000	98.8	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-57RE1 (Solid)			Lab File ID: 12222228ECD7.D				Analyzed: 12/23/22 01:23	
Decachlorobiphenyl	7.9812	102	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9812	77.7	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9812	81.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9812	85.6	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-05 (Solid)			Lab File ID: 12222229ECD7.D				Analyzed: 12/23/22 01:44	
Decachlorobiphenyl	7.9903	95.0	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9903	66.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9903	84.2	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9903	71.8	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-06 (Solid)			Lab File ID: 12222230ECD7.D				Analyzed: 12/23/22 02:06	
Decachlorobiphenyl	8.0010	91.1	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	8.0010	67.9	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0010	81.8	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0010	73.8	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0137-07 (Solid)			Lab File ID: 12222231ECD7.D				Analyzed: 12/23/22 02:27	
Decachlorobiphenyl	7.9938	82.9	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9938	61.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9938	74.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9938	65.7	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0137-08 (Solid)			Lab File ID: 12222232ECD7.D				Analyzed: 12/23/22 02:48	
Decachlorobiphenyl	7.9914	87.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9914	63.6	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9914	80.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9914	69.1	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0137-14 (Solid)			Lab File ID: 12222233ECD7.D				Analyzed: 12/23/22 03:09	
Decachlorobiphenyl	7.9817	88.9	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9817	60.0	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9817	81.2	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9817	66.3	44 - 120	5.703	5.712333	-0.0093	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0137-15 (Solid)			Lab File ID: 12222234ECD7.D				Analyzed: 12/23/22 03:30	
Decachlorobiphenyl	7.9922	89.1	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9922	61.5	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9922	81.4	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9922	67.7	44 - 120	5.701	5.712333	-0.0113	N/A	
22L0137-16 (Solid)			Lab File ID: 12222235ECD7.D				Analyzed: 12/23/22 03:52	
Decachlorobiphenyl	7.9989	1420	40 - 126	13.903	13.90667	-0.0037	N/A	*
Tetrachlorometaxylene	7.9989	62.7	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9989	1380	40 - 126	14.132	14.13533	-0.0033	N/A	*
Tetrachlorometaxylene [2C]	7.9989	67.3	44 - 120	5.702	5.712333	-0.0103	N/A	
SKL0330-CCV5 (Solid)			Lab File ID: 12222243ECD7.D				Analyzed: 12/23/22 06:41	
Decachlorobiphenyl	40.000	109	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	93.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	96.8	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	93.8	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0330-CCV6 (Solid)			Lab File ID: 12222244ECD7.D				Analyzed: 12/23/22 07:03	
Decachlorobiphenyl	40.000	111	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	96.8	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0330-CCV7 (Solid)			Lab File ID: 12222258ECD7.D				Analyzed: 12/23/22 12:00	
Decachlorobiphenyl	40.000	106	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	93.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	95.0	80 - 120	5.71	5.712333	-0.0023	N/A	
SKL0330-CCV8 (Solid)			Lab File ID: 12222259ECD7.D				Analyzed: 12/23/22 12:21	
Decachlorobiphenyl	40.000	113	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	102	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	99.8	80 - 120	14.131	14.13533	-0.0043	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0330	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0330-CCV9 (Solid)			Lab File ID: 12222265ECD7.D			Analyzed: 12/23/22 14:28		
Decachlorobiphenyl	40.000	110	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	95.5	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	40.000	96.8	80 - 120	5.709	5.712333	-0.0033	N/A	
SKL0330-CCVA (Solid)			Lab File ID: 12222266ECD7.D			Analyzed: 12/23/22 14:49		
Decachlorobiphenyl	40.000	120	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.13	14.13533	-0.0053	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0096
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCV3 (Solid)				Lab File ID: 01052331ECD7.D			Analyzed: 01/05/23 22:56	
Decachlorobiphenyl	40.000	108	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	93.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV4 (Solid)				Lab File ID: 01052332ECD7.D			Analyzed: 01/05/23 23:17	
Decachlorobiphenyl	40.000	122	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV5 (Solid)				Lab File ID: 01052349ECD7.D			Analyzed: 01/06/23 05:15	
Decachlorobiphenyl	40.000	107	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	96.3	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0096-CCV6 (Solid)				Lab File ID: 01052350ECD7.D			Analyzed: 01/06/23 05:36	
Decachlorobiphenyl	40.000	112	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	97.3	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0096-CCV7 (Solid)				Lab File ID: 01052361ECD7.D			Analyzed: 01/06/23 09:28	
Decachlorobiphenyl	40.000	109	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	91.5	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	95.3	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV8 (Solid)				Lab File ID: 01052362ECD7.D			Analyzed: 01/06/23 09:49	
Decachlorobiphenyl	40.000	113	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0096
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCV9 (Solid)			Lab File ID: 01052372ECD7.D			Analyzed: 01/06/23 13:19		
Decachlorobiphenyl	40.000	117	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	96.8	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	98.3	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0096-CCVA (Solid)			Lab File ID: 01052373ECD7.D			Analyzed: 01/06/23 13:40		
Decachlorobiphenyl	40.000	124	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0096-CCVB (Solid)			Lab File ID: 01052384ECD7.D			Analyzed: 01/06/23 17:32		
Decachlorobiphenyl	40.000	110	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	90.3	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	90.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCVC (Solid)			Lab File ID: 01052385ECD7.D			Analyzed: 01/06/23 17:53		
Decachlorobiphenyl	40.000	117	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	105	80 - 120	5.708	5.712333	-0.0043	N/A	
22L0137-19 (Solid)			Lab File ID: 01052390ECD7.D			Analyzed: 01/06/23 19:39		
Decachlorobiphenyl	7.9780	80.7	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9780	64.6	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9780	75.0	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9780	67.2	44 - 120	5.701	5.712333	-0.0113	N/A	
SLA0096-CCVD (Solid)			Lab File ID: 01052392ECD7.D			Analyzed: 01/06/23 20:21		
Decachlorobiphenyl	40.000	112	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	91.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	93.3	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0096	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCVE (Solid)			Lab File ID: 01052393ECD7.D			Analyzed: 01/06/23 20:42		
Decachlorobiphenyl	40.000	118	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.5	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0048	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (SKL0048-SCV1)		(Water)	Lab File ID: 12032222ECD7.D				Analyzed: 12/03/22 22:13		
1-Bromo-2-Nitrobenzene	483506	3.518	457669	3.516	106	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	892033	14.281	837264	14.278	107	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270882	3.956	254712	3.955	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	432562	15.023	387892	15.021	112	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV2)		(Water)	Lab File ID: 12032223ECD7.D				Analyzed: 12/03/22 22:34		
1-Bromo-2-Nitrobenzene	480791	3.515	457669	3.516	105	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	896515	14.281	837264	14.278	107	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270117	3.955	254712	3.955	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	422729	15.023	387892	15.021	109	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV3)		(Water)	Lab File ID: 12032224ECD7.D				Analyzed: 12/03/22 22:55		
1-Bromo-2-Nitrobenzene	484977	3.515	457669	3.516	106	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	915518	14.281	837264	14.278	109	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	272055	3.955	254712	3.955	107	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	426674	15.023	387892	15.021	110	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV4)		(Water)	Lab File ID: 12032225ECD7.D				Analyzed: 12/03/22 23:17		
1-Bromo-2-Nitrobenzene	484642	3.516	457669	3.516	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	917405	14.28	837264	14.278	110	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270782	3.955	254712	3.955	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	431238	15.024	387892	15.021	111	50 - 200	0.003	+/-0.50	
Secondary Cal Check (SKL0048-SCV5)		(Water)	Lab File ID: 12032226ECD7.D				Analyzed: 12/03/22 23:38		
1-Bromo-2-Nitrobenzene	482097	3.517	457669	3.516	105	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	913775	14.28	837264	14.278	109	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	268757	3.956	254712	3.955	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	434790	15.024	387892	15.021	112	50 - 200	0.003	+/-0.50	
Secondary Cal Check (SKL0048-SCV6)		(Water)	Lab File ID: 12032227ECD7.D				Analyzed: 12/03/22 23:59		
1-Bromo-2-Nitrobenzene	483276	3.514	457669	3.516	106	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	920878	14.281	837264	14.278	110	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270175	3.953	254712	3.955	106	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	435731	15.023	387892	15.021	112	50 - 200	0.002	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0282
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKL0282-ICV1)		(Solid)	Lab File ID: 12192202ECD7.D				Analyzed: 12/19/22 14:56		
1-Bromo-2-Nitrobenzene	433038	3.517	373409	3.516	116	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	910416	14.276	828232	14.276	110	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	257924	3.953	224837	3.954	115	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	407466	15.019	377255	15.02	108	50 - 200	-0.001	+/-0.50	
Initial Cal Check (SKL0282-ICV2)		(Solid)	Lab File ID: 12192203ECD7.D				Analyzed: 12/19/22 15:17		
1-Bromo-2-Nitrobenzene	373409	3.516	373409	3.516	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	828232	14.276	828232	14.276	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	224837	3.954	224837	3.954	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	377255	15.02	377255	15.02	100	50 - 200	0.000	+/-0.50	
Blank (BKL0226-BLK1)		(Solid)	Lab File ID: 12192251ECD7.D				Analyzed: 12/20/22 08:15		
1-Bromo-2-Nitrobenzene	542419	3.516	373409	3.516	145	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	844627	14.273	828232	14.276	102	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	316366	3.953	224837	3.954	141	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	443870	15.017	377255	15.02	118	50 - 200	-0.003	+/-0.50	
LCS (BKL0226-BS1)		(Solid)	Lab File ID: 12192252ECD7.D				Analyzed: 12/20/22 08:37		
1-Bromo-2-Nitrobenzene	561638	3.516	373409	3.516	150	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	939779	14.274	828232	14.276	113	50 - 200	-0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	326552	3.954	224837	3.954	145	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	464198	15.018	377255	15.02	123	50 - 200	-0.002	+/-0.50	
LCS Dup (BKL0226-BSD1)		(Solid)	Lab File ID: 12192253ECD7.D				Analyzed: 12/20/22 08:58		
1-Bromo-2-Nitrobenzene	549252	3.517	373409	3.516	147	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	932711	14.273	828232	14.276	113	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	319992	3.955	224837	3.954	142	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	468188	15.017	377255	15.02	124	50 - 200	-0.003	+/-0.50	
Matrix Spike (BKL0226-MS1)		(Solid)	Lab File ID: 12192254ECD7.D				Analyzed: 12/20/22 09:19		
1-Bromo-2-Nitrobenzene	522782	3.515	373409	3.516	140	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	550368	14.26	828232	14.276	66	50 - 200	-0.016	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	289949	3.952	224837	3.954	129	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	363445	15.01	377255	15.02	96	50 - 200	-0.010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0282
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (BKL0226-MSD1)		(Solid)	Lab File ID: 12192255ECD7.D				Analyzed: 12/20/22 09:40		
1-Bromo-2-Nitrobenzene	516084	3.515	373409	3.516	138	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	524752	14.261	828232	14.276	63	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	287355	3.952	224837	3.954	128	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	347381	15.01	377255	15.02	92	50 - 200	-0.010	+/-0.50	
Reference (BKL0226-SRM1)		(Solid)	Lab File ID: 12192256ECD7.D				Analyzed: 12/20/22 10:02		
1-Bromo-2-Nitrobenzene	549947	3.514	373409	3.516	147	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	674609	14.264	828232	14.276	81	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	308872	3.953	224837	3.954	137	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	397424	15.011	377255	15.02	105	50 - 200	-0.009	+/-0.50	
LDW22-SC785D (22L0137-21)		(Solid)	Lab File ID: 12192257ECD7.D				Analyzed: 12/20/22 10:23		
1-Bromo-2-Nitrobenzene	511817	3.514	373409	3.516	137	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	440286	14.259	828232	14.276	53	50 - 200	-0.017	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	292981	3.952	224837	3.954	130	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	313444	15.009	377255	15.02	83	50 - 200	-0.011	+/-0.50	
LDW22-SC785E (22L0137-22)		(Solid)	Lab File ID: 12192258ECD7.D				Analyzed: 12/20/22 10:44		
1-Bromo-2-Nitrobenzene	467834	3.516	373409	3.516	125	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	414800	14.26	828232	14.276	50	50 - 200	-0.016	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	273526	3.953	224837	3.954	122	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	298831	15.009	377255	15.02	79	50 - 200	-0.011	+/-0.50	
LDW22-SC785F (22L0137-23)		(Solid)	Lab File ID: 12192259ECD7.D				Analyzed: 12/20/22 11:05		
1-Bromo-2-Nitrobenzene	473078	3.516	373409	3.516	127	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	402754	14.259	828232	14.276	49	50 - 200	-0.017	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	277703	3.952	224837	3.954	124	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	295663	15.009	377255	15.02	78	50 - 200	-0.011	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0304

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKL0304-ICV1)		(Solid)	Lab File ID: 12202202ECD7.D				Analyzed: 12/20/22 13:07		
1-Bromo-2-Nitrobenzene	438716	3.514	438716	3.514	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	750432	14.279	750432	14.279	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	248704	3.95	248704	3.95	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	363454	15.019	363454	15.019	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SKL0304-ICV2)		(Solid)	Lab File ID: 12202203ECD7.D				Analyzed: 12/20/22 13:28		
1-Bromo-2-Nitrobenzene	339517	3.514	438716	3.514	77	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	632318	14.275	750432	14.279	84	50 - 200	-0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	196492	3.952	248704	3.95	79	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	316874	15.019	363454	15.019	87	50 - 200	0.000	+/-0.50	
LDW22-SC785G (22L0137-24)		(Solid)	Lab File ID: 12202204ECD7.D				Analyzed: 12/20/22 13:49		
1-Bromo-2-Nitrobenzene	495141	3.517	438716	3.514	113	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	440053	14.259	750432	14.279	59	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	279290	3.955	248704	3.95	112	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	313725	15.011	363454	15.019	86	50 - 200	-0.008	+/-0.50	
LDW22-SC785H (22L0137-25)		(Solid)	Lab File ID: 12202205ECD7.D				Analyzed: 12/20/22 14:10		
1-Bromo-2-Nitrobenzene	471871	3.518	438716	3.514	108	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	404171	14.259	750432	14.279	54	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	266078	3.955	248704	3.95	107	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	294932	15.009	363454	15.019	81	50 - 200	-0.010	+/-0.50	
LDW22-SC785I (22L0137-26)		(Solid)	Lab File ID: 12202206ECD7.D				Analyzed: 12/20/22 14:31		
1-Bromo-2-Nitrobenzene	474439	3.518	438716	3.514	108	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	402699	14.26	750432	14.279	54	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	263935	3.954	248704	3.95	106	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	308058	15.009	363454	15.019	85	50 - 200	-0.010	+/-0.50	
LDW22-SC785J (22L0137-27)		(Solid)	Lab File ID: 12202207ECD7.D				Analyzed: 12/20/22 14:53		
1-Bromo-2-Nitrobenzene	425160	3.517	438716	3.514	97	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	413245	14.26	750432	14.279	55	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	252082	3.955	248704	3.95	101	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	291939	15.009	363454	15.019	80	50 - 200	-0.010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC785K (22L0137-28)		(Solid)	Lab File ID: 12202208ECD7.D				Analyzed: 12/20/22 15:14		
1-Bromo-2-Nitrobenzene	457397	3.516	438716	3.514	104	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	453123	14.261	750432	14.279	60	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	265872	3.952	248704	3.95	107	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	310230	15.01	363454	15.019	85	50 - 200	-0.009	+/-0.50	
LDW22-SC785L (22L0137-29)		(Solid)	Lab File ID: 12202209ECD7.D				Analyzed: 12/20/22 15:35		
1-Bromo-2-Nitrobenzene	464636	3.518	438716	3.514	106	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	448811	14.26	750432	14.279	60	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	269175	3.955	248704	3.95	108	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	313216	15.01	363454	15.019	86	50 - 200	-0.009	+/-0.50	
LDW22-SC785M (22L0137-30)		(Solid)	Lab File ID: 12202210ECD7.D				Analyzed: 12/20/22 15:56		
1-Bromo-2-Nitrobenzene	448865	3.517	438716	3.514	102	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	431732	14.26	750432	14.279	58	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	263744	3.954	248704	3.95	106	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	304134	15.01	363454	15.019	84	50 - 200	-0.009	+/-0.50	
LDW22-SC785N (22L0137-31)		(Solid)	Lab File ID: 12202211ECD7.D				Analyzed: 12/20/22 16:17		
1-Bromo-2-Nitrobenzene	479223	3.518	438716	3.514	109	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	607227	14.265	750432	14.279	81	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	278824	3.956	248704	3.95	112	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	373259	15.013	363454	15.019	103	50 - 200	-0.006	+/-0.50	
LDW22-SC785A-FD (22L0137-32)		(Solid)	Lab File ID: 12202212ECD7.D				Analyzed: 12/20/22 16:39		
1-Bromo-2-Nitrobenzene	477295	3.519	438716	3.514	109	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	467360	14.26	750432	14.279	62	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	277585	3.956	248704	3.95	112	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	322495	15.01	363454	15.019	89	50 - 200	-0.009	+/-0.50	
LDW22-SC776A (22L0137-33)		(Solid)	Lab File ID: 12202213ECD7.D				Analyzed: 12/20/22 17:00		
1-Bromo-2-Nitrobenzene	468507	3.518	438716	3.514	107	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	493090	14.262	750432	14.279	66	50 - 200	-0.017	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	279606	3.955	248704	3.95	112	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	333373	15.011	363454	15.019	92	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0304
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC776C (22L0137-35)		(Solid)	Lab File ID: 12202217ECD7.D				Analyzed: 12/20/22 18:25		
1-Bromo-2-Nitrobenzene	468997	3.518	438716	3.514	107	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	400736	14.26	750432	14.279	53	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	261002	3.955	248704	3.95	105	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	293806	15.01	363454	15.019	81	50 - 200	-0.009	+/-0.50	
LDW22-SC776D (22L0137-36)		(Solid)	Lab File ID: 12202218ECD7.D				Analyzed: 12/20/22 18:46		
1-Bromo-2-Nitrobenzene	454783	3.517	438716	3.514	104	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	389097	14.259	750432	14.279	52	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	256766	3.954	248704	3.95	103	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	288223	15.01	363454	15.019	79	50 - 200	-0.009	+/-0.50	
LDW22-SC776E (22L0137-37)		(Solid)	Lab File ID: 12202219ECD7.D				Analyzed: 12/20/22 19:07		
1-Bromo-2-Nitrobenzene	481922	3.518	438716	3.514	110	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	389766	14.26	750432	14.279	52	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	282444	3.955	248704	3.95	114	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	284618	15.01	363454	15.019	78	50 - 200	-0.009	+/-0.50	
LDW22-SC776E-FD (22L0137-38)		(Solid)	Lab File ID: 12202220ECD7.D				Analyzed: 12/20/22 19:29		
1-Bromo-2-Nitrobenzene	404857	3.517	438716	3.514	92	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	398842	14.26	750432	14.279	53	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	256188	3.954	248704	3.95	103	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	292543	15.009	363454	15.019	80	50 - 200	-0.010	+/-0.50	
LDW22-SC776F (22L0137-39)		(Solid)	Lab File ID: 12202221ECD7.D				Analyzed: 12/20/22 19:50		
1-Bromo-2-Nitrobenzene	444269	3.519	438716	3.514	101	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	385830	14.261	750432	14.279	51	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	257590	3.956	248704	3.95	104	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	280887	15.011	363454	15.019	77	50 - 200	-0.008	+/-0.50	
LDW22-SC776G (22L0137-40)		(Solid)	Lab File ID: 12202222ECD7.D				Analyzed: 12/20/22 20:11		
1-Bromo-2-Nitrobenzene	428384	3.518	438716	3.514	98	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	409774	14.26	750432	14.279	55	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	254520	3.955	248704	3.95	102	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	292219	15.011	363454	15.019	80	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0304
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (BKL0282-BLK1)		(Solid)	Lab File ID: 12202244ECD7.D				Analyzed: 12/21/22 03:57		
1-Bromo-2-Nitrobenzene	529061	3.518	438716	3.514	121	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	642834	14.271	750432	14.279	86	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	312377	3.955	248704	3.95	126	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	380447	15.016	363454	15.019	105	50 - 200	-0.003	+/-0.50	
LCS (BKL0282-BS1)		(Solid)	Lab File ID: 12202245ECD7.D				Analyzed: 12/21/22 04:19		
1-Bromo-2-Nitrobenzene	534216	3.519	438716	3.514	122	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	690338	14.271	750432	14.279	92	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	315125	3.956	248704	3.95	127	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	392939	15.018	363454	15.019	108	50 - 200	-0.001	+/-0.50	
LCS Dup (BKL0282-BSD1)		(Solid)	Lab File ID: 12202246ECD7.D				Analyzed: 12/21/22 04:40		
1-Bromo-2-Nitrobenzene	534580	3.517	438716	3.514	122	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	729438	14.274	750432	14.279	97	50 - 200	-0.005	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	315322	3.955	248704	3.95	127	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	404149	15.017	363454	15.019	111	50 - 200	-0.002	+/-0.50	
Reference (BKL0282-SRM1)		(Solid)	Lab File ID: 12202247ECD7.D				Analyzed: 12/21/22 05:01		
1-Bromo-2-Nitrobenzene	531199	3.52	438716	3.514	121	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl	645510	14.264	750432	14.279	86	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	310009	3.957	248704	3.95	125	50 - 200	0.007	+/-0.50	
Hexabromobiphenyl [2C]	385512	15.013	363454	15.019	106	50 - 200	-0.006	+/-0.50	
Matrix Spike (BKL0282-MS1)		(Solid)	Lab File ID: 12202248ECD7.D				Analyzed: 12/21/22 05:22		
1-Bromo-2-Nitrobenzene	478983	3.518	438716	3.514	109	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	441594	14.26	750432	14.279	59	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	265991	3.955	248704	3.95	107	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	308159	15.01	363454	15.019	85	50 - 200	-0.009	+/-0.50	
Matrix Spike Dup (BKL0282-MSD1)		(Solid)	Lab File ID: 12202249ECD7.D				Analyzed: 12/21/22 05:43		
1-Bromo-2-Nitrobenzene	466056	3.519	438716	3.514	106	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	431570	14.26	750432	14.279	58	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	262084	3.955	248704	3.95	105	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	300029	15.01	363454	15.019	83	50 - 200	-0.009	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0304
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC769C (22L0137-61)		(Solid)	Lab File ID: 12202250ECD7.D				Analyzed: 12/21/22 06:04		
1-Bromo-2-Nitrobenzene	501706	3.518	438716	3.514	114	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	470453	14.26	750432	14.279	63	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	283383	3.955	248704	3.95	114	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	319033	15.01	363454	15.019	88	50 - 200	-0.009	+/-0.50	
LDW22-SC769D (22L0137-62)		(Solid)	Lab File ID: 12202251ECD7.D				Analyzed: 12/21/22 06:26		
1-Bromo-2-Nitrobenzene	489892	3.519	438716	3.514	112	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	428360	14.259	750432	14.279	57	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	274627	3.956	248704	3.95	110	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	303031	15.01	363454	15.019	83	50 - 200	-0.009	+/-0.50	
LDW22-SC769E (22L0137-63)		(Solid)	Lab File ID: 12202252ECD7.D				Analyzed: 12/21/22 06:47		
1-Bromo-2-Nitrobenzene	480068	3.519	438716	3.514	109	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	436628	14.26	750432	14.279	58	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	275153	3.956	248704	3.95	111	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	304419	15.01	363454	15.019	84	50 - 200	-0.009	+/-0.50	
LDW22-SC769F (22L0137-64)		(Solid)	Lab File ID: 12202253ECD7.D				Analyzed: 12/21/22 07:08		
1-Bromo-2-Nitrobenzene	480156	3.518	438716	3.514	109	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	447337	14.26	750432	14.279	60	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	272469	3.956	248704	3.95	110	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	304350	15.01	363454	15.019	84	50 - 200	-0.009	+/-0.50	
LDW22-SC769G (22L0137-65)		(Solid)	Lab File ID: 12202254ECD7.D				Analyzed: 12/21/22 07:29		
1-Bromo-2-Nitrobenzene	466768	3.517	438716	3.514	106	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	436525	14.261	750432	14.279	58	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	267994	3.954	248704	3.95	108	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	302882	15.01	363454	15.019	83	50 - 200	-0.009	+/-0.50	
LDW22-SC769H (22L0137-66)		(Solid)	Lab File ID: 12202255ECD7.D				Analyzed: 12/21/22 07:50		
1-Bromo-2-Nitrobenzene	465538	3.517	438716	3.514	106	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	465178	14.259	750432	14.279	62	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	263759	3.955	248704	3.95	106	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	315172	15.01	363454	15.019	87	50 - 200	-0.009	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0304	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC769I (22L0137-67)		(Solid)	Lab File ID: 12202256ECD7.D				Analyzed: 12/21/22 08:12		
1-Bromo-2-Nitrobenzene	464666	3.519	438716	3.514	106	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	448343	14.26	750432	14.279	60	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	264888	3.956	248704	3.95	107	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	306675	15.011	363454	15.019	84	50 - 200	-0.008	+/-0.50	
LDW22-SC769J (22L0137-68)		(Solid)	Lab File ID: 12202257ECD7.D				Analyzed: 12/21/22 08:33		
1-Bromo-2-Nitrobenzene	468786	3.519	438716	3.514	107	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	442276	14.26	750432	14.279	59	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	267076	3.955	248704	3.95	107	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	304152	15.01	363454	15.019	84	50 - 200	-0.009	+/-0.50	
LDW22-SC769K (22L0137-69)		(Solid)	Lab File ID: 12202258ECD7.D				Analyzed: 12/21/22 08:54		
1-Bromo-2-Nitrobenzene	465324	3.517	438716	3.514	106	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	419280	14.259	750432	14.279	56	50 - 200	-0.020	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	260844	3.953	248704	3.95	105	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl [2C]	292161	15.01	363454	15.019	80	50 - 200	-0.009	+/-0.50	
Blank (BKL0227-BLK1)		(Solid)	Lab File ID: 12202261ECD7.D				Analyzed: 12/21/22 09:57		
1-Bromo-2-Nitrobenzene	527295	3.517	438716	3.514	120	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	802830	14.272	750432	14.279	107	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	308037	3.955	248704	3.95	124	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	423535	15.017	363454	15.019	117	50 - 200	-0.002	+/-0.50	
LCS (BKL0227-BS1)		(Solid)	Lab File ID: 12202262ECD7.D				Analyzed: 12/21/22 10:19		
1-Bromo-2-Nitrobenzene	528630	3.517	438716	3.514	120	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	835831	14.273	750432	14.279	111	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	306833	3.955	248704	3.95	123	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	436766	15.018	363454	15.019	120	50 - 200	-0.001	+/-0.50	
LCS Dup (BKL0227-BSD1)		(Solid)	Lab File ID: 12202263ECD7.D				Analyzed: 12/21/22 10:40		
1-Bromo-2-Nitrobenzene	536258	3.517	438716	3.514	122	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	866222	14.273	750432	14.279	115	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	316250	3.954	248704	3.95	127	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	455000	15.018	363454	15.019	125	50 - 200	-0.001	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0304

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Reference (BKL0227-SRM1)		(Solid)	Lab File ID: 12202264ECD7.D				Analyzed: 12/21/22 11:01		
1-Bromo-2-Nitrobenzene	550716	3.517	438716	3.514	126	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	693015	14.264	750432	14.279	92	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	312062	3.954	248704	3.95	125	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	409725	15.012	363454	15.019	113	50 - 200	-0.007	+/-0.50	
LDW22-SC776H (22L0137-41)		(Solid)	Lab File ID: 12202265ECD7.D				Analyzed: 12/21/22 11:22		
1-Bromo-2-Nitrobenzene	479360	3.518	438716	3.514	109	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	428741	14.26	750432	14.279	57	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	263396	3.955	248704	3.95	106	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	305905	15.01	363454	15.019	84	50 - 200	-0.009	+/-0.50	
LDW22-SC776I (22L0137-42)		(Solid)	Lab File ID: 12202266ECD7.D				Analyzed: 12/21/22 11:43		
1-Bromo-2-Nitrobenzene	494452	3.517	438716	3.514	113	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	476601	14.26	750432	14.279	64	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	273160	3.954	248704	3.95	110	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	326361	15.01	363454	15.019	90	50 - 200	-0.009	+/-0.50	
Matrix Spike (BKL0227-MS1)		(Solid)	Lab File ID: 12202267ECD7.D				Analyzed: 12/21/22 12:04		
1-Bromo-2-Nitrobenzene	473407	3.517	438716	3.514	108	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	465593	14.261	750432	14.279	62	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	264252	3.954	248704	3.95	106	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	319617	15.012	363454	15.019	88	50 - 200	-0.007	+/-0.50	
Matrix Spike Dup (BKL0227-MSD1)		(Solid)	Lab File ID: 12202268ECD7.D				Analyzed: 12/21/22 12:26		
1-Bromo-2-Nitrobenzene	494201	3.517	438716	3.514	113	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	455100	14.261	750432	14.279	61	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	267937	3.954	248704	3.95	108	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	317192	15.011	363454	15.019	87	50 - 200	-0.008	+/-0.50	
LDW22-SC776J (22L0137-43)		(Solid)	Lab File ID: 12202269ECD7.D				Analyzed: 12/21/22 12:47		
1-Bromo-2-Nitrobenzene	474414	3.517	438716	3.514	108	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	476791	14.26	750432	14.279	64	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	265317	3.954	248704	3.95	107	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	324701	15.011	363454	15.019	89	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0304
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC776K (22L0137-44)		(Solid)	Lab File ID: 12202270ECD7.D				Analyzed: 12/21/22 13:08		
1-Bromo-2-Nitrobenzene	479733	3.519	438716	3.514	109	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl	471596	14.26	750432	14.279	63	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	266869	3.956	248704	3.95	107	50 - 200	0.006	+/-0.50	
Hexabromobiphenyl [2C]	329679	15.01	363454	15.019	91	50 - 200	-0.009	+/-0.50	
LDW22-SC776L (22L0137-45)		(Solid)	Lab File ID: 12202271ECD7.D				Analyzed: 12/21/22 13:29		
1-Bromo-2-Nitrobenzene	452720	3.518	438716	3.514	103	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	401223	14.261	750432	14.279	53	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	254267	3.955	248704	3.95	102	50 - 200	0.005	+/-0.50	
Hexabromobiphenyl [2C]	295324	15.01	363454	15.019	81	50 - 200	-0.009	+/-0.50	
LDW22-SC776M (22L0137-46)		(Solid)	Lab File ID: 12202272ECD7.D				Analyzed: 12/21/22 13:50		
1-Bromo-2-Nitrobenzene	466258	3.517	438716	3.514	106	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	478802	14.261	750432	14.279	64	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270961	3.954	248704	3.95	109	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	330190	15.011	363454	15.019	91	50 - 200	-0.008	+/-0.50	
LDW22-SC770A (22L0137-47)		(Solid)	Lab File ID: 12202273ECD7.D				Analyzed: 12/21/22 14:12		
1-Bromo-2-Nitrobenzene	496296	3.517	438716	3.514	113	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	526738	14.262	750432	14.279	70	50 - 200	-0.017	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	282761	3.954	248704	3.95	114	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	342777	15.01	363454	15.019	94	50 - 200	-0.009	+/-0.50	
LDW22-SC770B (22L0137-48)		(Solid)	Lab File ID: 12202274ECD7.D				Analyzed: 12/21/22 14:33		
1-Bromo-2-Nitrobenzene	503122	3.517	438716	3.514	115	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	491625	14.261	750432	14.279	66	50 - 200	-0.018	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	283822	3.954	248704	3.95	114	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl [2C]	327996	15.011	363454	15.019	90	50 - 200	-0.008	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKL0319-ICV1)		(Solid)	Lab File ID: 12212202ECD7.D				Analyzed: 12/21/22 16:07		
1-Bromo-2-Nitrobenzene	443927	3.518	443927	3.518	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	694708	14.275	694708	14.275	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	257668	3.955	257668	3.955	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	378711	15.019	378711	15.019	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SKL0319-ICV2)		(Solid)	Lab File ID: 12212203ECD7.D				Analyzed: 12/21/22 16:29		
1-Bromo-2-Nitrobenzene	365717	3.516	443927	3.518	82	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	646264	14.273	694708	14.275	93	50 - 200	-0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	215957	3.954	257668	3.955	84	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	337687	15.019	378711	15.019	89	50 - 200	0.000	+/-0.50	
LDW22-SC770C (22L0137-49)		(Solid)	Lab File ID: 12212206ECD7.D				Analyzed: 12/21/22 17:32		
1-Bromo-2-Nitrobenzene	501284	3.517	443927	3.518	113	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	501949	14.262	694708	14.275	72	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	277088	3.954	257668	3.955	108	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	336769	15.011	378711	15.019	89	50 - 200	-0.008	+/-0.50	
LDW22-SC770D (22L0137-50)		(Solid)	Lab File ID: 12212207ECD7.D				Analyzed: 12/21/22 17:53		
1-Bromo-2-Nitrobenzene	482583	3.52	443927	3.518	109	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	510102	14.261	694708	14.275	73	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	279425	3.956	257668	3.955	108	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	339008	15.01	378711	15.019	90	50 - 200	-0.009	+/-0.50	
LDW22-SC770E (22L0137-51)		(Solid)	Lab File ID: 12212208ECD7.D				Analyzed: 12/21/22 18:15		
1-Bromo-2-Nitrobenzene	491235	3.519	443927	3.518	111	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	457670	14.261	694708	14.275	66	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	276016	3.955	257668	3.955	107	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	317103	15.009	378711	15.019	84	50 - 200	-0.010	+/-0.50	
LDW22-SC770F (22L0137-52)		(Solid)	Lab File ID: 12212209ECD7.D				Analyzed: 12/21/22 18:36		
1-Bromo-2-Nitrobenzene	493555	3.52	443927	3.518	111	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	462884	14.26	694708	14.275	67	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	272442	3.956	257668	3.955	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	317002	15.011	378711	15.019	84	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0319

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC770G (22L0137-53)		(Solid)	Lab File ID: 12212210ECD7.D				Analyzed: 12/21/22 18:57		
1-Bromo-2-Nitrobenzene	493374	3.519	443927	3.518	111	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	445703	14.26	694708	14.275	64	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	269282	3.956	257668	3.955	105	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	309612	15.012	378711	15.019	82	50 - 200	-0.007	+/-0.50	
LDW22-SC770I (22L0137-55)		(Solid)	Lab File ID: 12212212ECD7.D				Analyzed: 12/21/22 19:39		
1-Bromo-2-Nitrobenzene	469173	3.519	443927	3.518	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	455521	14.261	694708	14.275	66	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	262628	3.955	257668	3.955	102	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	311695	15.01	378711	15.019	82	50 - 200	-0.009	+/-0.50	
LDW22-SC770J (22L0137-56)		(Solid)	Lab File ID: 12212213ECD7.D				Analyzed: 12/21/22 20:01		
1-Bromo-2-Nitrobenzene	454838	3.518	443927	3.518	102	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	447983	14.261	694708	14.275	64	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	259477	3.955	257668	3.955	101	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	303564	15.009	378711	15.019	80	50 - 200	-0.010	+/-0.50	
LDW22-SC770K (22L0137-57)		(Solid)	Lab File ID: 12212214ECD7.D				Analyzed: 12/21/22 20:22		
1-Bromo-2-Nitrobenzene	441871	3.518	443927	3.518	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	452309	14.261	694708	14.275	65	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	255838	3.956	257668	3.955	99	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	307527	15.011	378711	15.019	81	50 - 200	-0.008	+/-0.50	
LDW22-SC770L (22L0137-58)		(Solid)	Lab File ID: 12212215ECD7.D				Analyzed: 12/21/22 20:43		
1-Bromo-2-Nitrobenzene	454143	3.518	443927	3.518	102	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	445195	14.261	694708	14.275	64	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	257676	3.955	257668	3.955	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	303095	15.01	378711	15.019	80	50 - 200	-0.009	+/-0.50	
LDW22-SC769A (22L0137-59)		(Solid)	Lab File ID: 12212218ECD7.D				Analyzed: 12/21/22 21:46		
1-Bromo-2-Nitrobenzene	491956	3.517	443927	3.518	111	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	527528	14.262	694708	14.275	76	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	280384	3.954	257668	3.955	109	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	340778	15.011	378711	15.019	90	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0319
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC769B (22L0137-60)		(Solid)	Lab File ID: 12212219ECD7.D				Analyzed: 12/21/22 22:08		
1-Bromo-2-Nitrobenzene	511547	3.518	443927	3.518	115	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	493502	14.26	694708	14.275	71	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284840	3.956	257668	3.955	111	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	326343	15.01	378711	15.019	86	50 - 200	-0.009	+/-0.50	
Blank (BKL0197-BLK1)		(Solid)	Lab File ID: 12212237ECD7.D				Analyzed: 12/22/22 04:29		
1-Bromo-2-Nitrobenzene	586475	3.516	443927	3.518	132	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	1192715	14.276	694708	14.275	172	50 - 200	0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	338421	3.954	257668	3.955	131	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	543300	15.018	378711	15.019	143	50 - 200	-0.001	+/-0.50	
LCS (BKL0197-BS1)		(Solid)	Lab File ID: 12212238ECD7.D				Analyzed: 12/22/22 04:50		
1-Bromo-2-Nitrobenzene	566526	3.517	443927	3.518	128	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	1190428	14.274	694708	14.275	171	50 - 200	-0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	325739	3.956	257668	3.955	126	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	546829	15.018	378711	15.019	144	50 - 200	-0.001	+/-0.50	
LCS Dup (BKL0197-BSD1)		(Solid)	Lab File ID: 12212239ECD7.D				Analyzed: 12/22/22 05:11		
1-Bromo-2-Nitrobenzene	565688	3.518	443927	3.518	127	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1218100	14.273	694708	14.275	175	50 - 200	-0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	326274	3.956	257668	3.955	127	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	562673	15.018	378711	15.019	149	50 - 200	-0.001	+/-0.50	
Matrix Spike (BKL0197-MS1)		(Solid)	Lab File ID: 12212240ECD7.D				Analyzed: 12/22/22 05:32		
1-Bromo-2-Nitrobenzene	553731	3.518	443927	3.518	125	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	876975	14.266	694708	14.275	126	50 - 200	-0.009	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	311889	3.956	257668	3.955	121	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	473902	15.014	378711	15.019	125	50 - 200	-0.005	+/-0.50	
Matrix Spike Dup (BKL0197-MSD1)		(Solid)	Lab File ID: 12212241ECD7.D				Analyzed: 12/22/22 05:53		
1-Bromo-2-Nitrobenzene	579658	3.516	443927	3.518	131	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	847358	14.265	694708	14.275	122	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	327432	3.954	257668	3.955	127	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	472763	15.013	378711	15.019	125	50 - 200	-0.006	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0319

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Reference (BKL0197-SRM1)		(Solid)	Lab File ID: 12212242ECD7.D				Analyzed: 12/22/22 06:14		
1-Bromo-2-Nitrobenzene	562671	3.516	443927	3.518	127	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	829710	14.264	694708	14.275	119	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	322149	3.954	257668	3.955	125	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	456170	15.014	378711	15.019	120	50 - 200	-0.005	+/-0.50	
LDW22-IT817 (22L0137-01)		(Solid)	Lab File ID: 12212243ECD7.D				Analyzed: 12/22/22 06:36		
1-Bromo-2-Nitrobenzene	568303	3.518	443927	3.518	128	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	969029	14.268	694708	14.275	139	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	318794	3.956	257668	3.955	124	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	501550	15.016	378711	15.019	132	50 - 200	-0.003	+/-0.50	
LDW22-IT816 (22L0137-02)		(Solid)	Lab File ID: 12212244ECD7.D				Analyzed: 12/22/22 06:57		
1-Bromo-2-Nitrobenzene	554022	3.515	443927	3.518	125	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	824983	14.265	694708	14.275	119	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	314733	3.953	257668	3.955	122	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	466878	15.013	378711	15.019	123	50 - 200	-0.006	+/-0.50	
LDW22-IT815 (22L0137-03)		(Solid)	Lab File ID: 12212245ECD7.D				Analyzed: 12/22/22 07:18		
1-Bromo-2-Nitrobenzene	538817	3.515	443927	3.518	121	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	601526	14.26	694708	14.275	87	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	294198	3.953	257668	3.955	114	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	381591	15.01	378711	15.019	101	50 - 200	-0.009	+/-0.50	
LDW22-SC813 (22L0137-04)		(Solid)	Lab File ID: 12212246ECD7.D				Analyzed: 12/22/22 07:39		
1-Bromo-2-Nitrobenzene	547725	3.516	443927	3.518	123	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	520757	14.26	694708	14.275	75	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	300030	3.954	257668	3.955	116	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	354045	15.009	378711	15.019	93	50 - 200	-0.010	+/-0.50	
LDW22-SC784E (22L0137-09)		(Solid)	Lab File ID: 12212251ECD7.D				Analyzed: 12/22/22 09:25		
1-Bromo-2-Nitrobenzene	509174	3.518	443927	3.518	115	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	478603	14.261	694708	14.275	69	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	294931	3.954	257668	3.955	114	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	330264	15.01	378711	15.019	87	50 - 200	-0.009	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0319

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC784F (22L0137-10)		(Solid)	Lab File ID: 12212252ECD7.D				Analyzed: 12/22/22 09:46		
1-Bromo-2-Nitrobenzene	521997	3.516	443927	3.518	118	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	492511	14.261	694708	14.275	71	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	295950	3.953	257668	3.955	115	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	338234	15.01	378711	15.019	89	50 - 200	-0.009	+/-0.50	
LDW22-SC784G (22L0137-11)		(Solid)	Lab File ID: 12212255ECD7.D				Analyzed: 12/22/22 10:49		
1-Bromo-2-Nitrobenzene	527228	3.518	443927	3.518	119	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	501142	14.261	694708	14.275	72	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	298239	3.955	257668	3.955	116	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	342048	15.01	378711	15.019	90	50 - 200	-0.009	+/-0.50	
LDW22-SC784H (22L0137-12)		(Solid)	Lab File ID: 12212256ECD7.D				Analyzed: 12/22/22 11:10		
1-Bromo-2-Nitrobenzene	489366	3.517	443927	3.518	110	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	492316	14.262	694708	14.275	71	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	272598	3.953	257668	3.955	106	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	330642	15.011	378711	15.019	87	50 - 200	-0.008	+/-0.50	
LDW22-SC784I (22L0137-13)		(Solid)	Lab File ID: 12212257ECD7.D				Analyzed: 12/22/22 11:31		
1-Bromo-2-Nitrobenzene	493525	3.518	443927	3.518	111	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	494129	14.261	694708	14.275	71	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	274472	3.955	257668	3.955	107	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	336252	15.011	378711	15.019	89	50 - 200	-0.008	+/-0.50	
LDW22-SC784M (22L0137-17)		(Solid)	Lab File ID: 12212261ECD7.D				Analyzed: 12/22/22 12:56		
1-Bromo-2-Nitrobenzene	496933	3.515	443927	3.518	112	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	466796	14.26	694708	14.275	67	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	289108	3.952	257668	3.955	112	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	328483	15.009	378711	15.019	87	50 - 200	-0.010	+/-0.50	
LDW22-SC785A (22L0137-18)		(Solid)	Lab File ID: 12212262ECD7.D				Analyzed: 12/22/22 13:17		
1-Bromo-2-Nitrobenzene	512256	3.517	443927	3.518	115	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	525382	14.26	694708	14.275	76	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	300345	3.953	257668	3.955	117	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	347983	15.01	378711	15.019	92	50 - 200	-0.009	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0319
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC785C (22L0137-20)		(Solid)		Lab File ID: 12212264ECD7.D				Analyzed: 12/22/22 14:00	
1-Bromo-2-Nitrobenzene	510996	3.518	443927	3.518	115	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	502910	14.262	694708	14.275	72	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	294706	3.955	257668	3.955	114	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	336885	15.01	378711	15.019	89	50 - 200	-0.009	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0330

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKL0330-ICV1)		(Solid)	Lab File ID: 12222202ECD7.D				Analyzed: 12/22/22 16:12		
1-Bromo-2-Nitrobenzene	439491	3.515	346260	3.515	127	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	700678	14.277	663654	14.275	106	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	246419	3.952	198560	3.953	124	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	358385	15.019	322443	15.018	111	50 - 200	0.001	+/-0.50	
Initial Cal Check (SKL0330-ICV2)		(Solid)	Lab File ID: 12222203ECD7.D				Analyzed: 12/22/22 16:34		
1-Bromo-2-Nitrobenzene	346260	3.515	346260	3.515	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	663654	14.275	663654	14.275	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	198560	3.953	198560	3.953	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	322443	15.018	322443	15.018	100	50 - 200	0.000	+/-0.50	
LDW22-SC785H (22L0137-25RE1)		(Solid)	Lab File ID: 12222206ECD7.D				Analyzed: 12/22/22 17:37		
1-Bromo-2-Nitrobenzene	495551	3.518	346260	3.515	143	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	648737	14.263	663654	14.275	98	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284416	3.955	198560	3.953	143	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	380865	15.011	322443	15.018	118	50 - 200	-0.007	+/-0.50	
LDW22-SC785I (22L0137-26RE1)		(Solid)	Lab File ID: 12222207ECD7.D				Analyzed: 12/22/22 17:58		
1-Bromo-2-Nitrobenzene	507070	3.517	346260	3.515	146	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	657715	14.263	663654	14.275	99	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284862	3.953	198560	3.953	143	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	391816	15.011	322443	15.018	122	50 - 200	-0.007	+/-0.50	
LDW22-SC785J (22L0137-27RE1)		(Solid)	Lab File ID: 12222208ECD7.D				Analyzed: 12/22/22 18:19		
1-Bromo-2-Nitrobenzene	490416	3.519	346260	3.515	142	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	695780	14.265	663654	14.275	105	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	278908	3.955	198560	3.953	140	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	403281	15.012	322443	15.018	125	50 - 200	-0.006	+/-0.50	
LDW22-SC785L (22L0137-29RE1)		(Solid)	Lab File ID: 12222209ECD7.D				Analyzed: 12/22/22 18:41		
1-Bromo-2-Nitrobenzene	491550	3.517	346260	3.515	142	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	723833	14.264	663654	14.275	109	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	282741	3.953	198560	3.953	142	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	408116	15.013	322443	15.018	127	50 - 200	-0.005	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0330
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC785M (22L0137-30RE1)		(Solid)	Lab File ID: 12222210ECD7.D				Analyzed: 12/22/22 19:02		
1-Bromo-2-Nitrobenzene	504356	3.519	346260	3.515	146	50 - 200	0.004	+/-0.50	
Hexabromobiphenyl	726632	14.263	663654	14.275	109	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	291170	3.955	198560	3.953	147	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	417195	15.012	322443	15.018	129	50 - 200	-0.006	+/-0.50	
LDW22-SC776B (22L0137-34)		(Solid)	Lab File ID: 12222211ECD7.D				Analyzed: 12/22/22 19:23		
1-Bromo-2-Nitrobenzene	476757	3.516	346260	3.515	138	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	531435	14.261	663654	14.275	80	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	269605	3.953	198560	3.953	136	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	337758	15.01	322443	15.018	105	50 - 200	-0.008	+/-0.50	
LDW22-SC776C (22L0137-35RE1)		(Solid)	Lab File ID: 12222212ECD7.D				Analyzed: 12/22/22 19:44		
1-Bromo-2-Nitrobenzene	502031	3.517	346260	3.515	145	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	636983	14.263	663654	14.275	96	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	280687	3.953	198560	3.953	141	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	383736	15.012	322443	15.018	119	50 - 200	-0.006	+/-0.50	
LDW22-SC776D (22L0137-36RE1)		(Solid)	Lab File ID: 12222213ECD7.D				Analyzed: 12/22/22 20:05		
1-Bromo-2-Nitrobenzene	489636	3.518	346260	3.515	141	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	619092	14.262	663654	14.275	93	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	280858	3.955	198560	3.953	141	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	375139	15.011	322443	15.018	116	50 - 200	-0.007	+/-0.50	
LDW22-SC776E-FD (22L0137-38RE1)		(Solid)	Lab File ID: 12222216ECD7.D				Analyzed: 12/22/22 21:09		
1-Bromo-2-Nitrobenzene	475205	3.518	346260	3.515	137	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	690196	14.264	663654	14.275	104	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	283560	3.955	198560	3.953	143	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	400644	15.011	322443	15.018	124	50 - 200	-0.007	+/-0.50	
LDW22-SC776F (22L0137-39RE1)		(Solid)	Lab File ID: 12222217ECD7.D				Analyzed: 12/22/22 21:30		
1-Bromo-2-Nitrobenzene	484959	3.516	346260	3.515	140	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	642582	14.262	663654	14.275	97	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	279633	3.953	198560	3.953	141	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	383514	15.011	322443	15.018	119	50 - 200	-0.007	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0330
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC769G (22L0137-65RE1)		(Solid)	Lab File ID: 12222218ECD7.D				Analyzed: 12/22/22 21:51		
1-Bromo-2-Nitrobenzene	495408	3.518	346260	3.515	143	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	712042	14.265	663654	14.275	107	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	280772	3.954	198560	3.953	141	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	411756	15.012	322443	15.018	128	50 - 200	-0.006	+/-0.50	
LDW22-SC769J (22L0137-68RE1)		(Solid)	Lab File ID: 12222219ECD7.D				Analyzed: 12/22/22 22:12		
1-Bromo-2-Nitrobenzene	490966	3.516	346260	3.515	142	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	722950	14.263	663654	14.275	109	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	280220	3.953	198560	3.953	141	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	408974	15.011	322443	15.018	127	50 - 200	-0.007	+/-0.50	
LDW22-SC769K (22L0137-69RE1)		(Solid)	Lab File ID: 12222220ECD7.D				Analyzed: 12/22/22 22:34		
1-Bromo-2-Nitrobenzene	491378	3.518	346260	3.515	142	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	699188	14.264	663654	14.275	105	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	279800	3.954	198560	3.953	141	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	408079	15.012	322443	15.018	127	50 - 200	-0.006	+/-0.50	
LDW22-SC776H (22L0137-41RE1)		(Solid)	Lab File ID: 12222221ECD7.D				Analyzed: 12/22/22 22:55		
1-Bromo-2-Nitrobenzene	507759	3.518	346260	3.515	147	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	681961	14.263	663654	14.275	103	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	283411	3.954	198560	3.953	143	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	406808	15.01	322443	15.018	126	50 - 200	-0.008	+/-0.50	
LDW22-SC776L (22L0137-45RE1)		(Solid)	Lab File ID: 12222222ECD7.D				Analyzed: 12/22/22 23:16		
1-Bromo-2-Nitrobenzene	489419	3.518	346260	3.515	141	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	611184	14.262	663654	14.275	92	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270515	3.954	198560	3.953	136	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	378838	15.01	322443	15.018	117	50 - 200	-0.008	+/-0.50	
LDW22-SC770H (22L0137-54RE1)		(Solid)	Lab File ID: 12222223ECD7.D				Analyzed: 12/22/22 23:37		
1-Bromo-2-Nitrobenzene	500327	3.516	346260	3.515	144	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	672834	14.264	663654	14.275	101	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	283338	3.952	198560	3.953	143	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	395803	15.011	322443	15.018	123	50 - 200	-0.007	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0330
SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC770I (22L0137-55RE1)		(Solid)	Lab File ID: 12222224ECD7.D				Analyzed: 12/22/22 23:59		
1-Bromo-2-Nitrobenzene	507544	3.516	346260	3.515	147	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	738200	14.264	663654	14.275	111	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	286815	3.953	198560	3.953	144	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	426802	15.01	322443	15.018	132	50 - 200	-0.008	+/-0.50	
LDW22-SC770J (22L0137-56RE1)		(Solid)	Lab File ID: 12222225ECD7.D				Analyzed: 12/23/22 00:20		
1-Bromo-2-Nitrobenzene	516494	3.516	346260	3.515	149	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	758897	14.265	663654	14.275	114	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	294742	3.953	198560	3.953	148	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	433056	15.012	322443	15.018	134	50 - 200	-0.006	+/-0.50	
LDW22-SC770K (22L0137-57RE1)		(Solid)	Lab File ID: 12222228ECD7.D				Analyzed: 12/23/22 01:23		
1-Bromo-2-Nitrobenzene	507752	3.515	346260	3.515	147	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	753811	14.264	663654	14.275	114	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284799	3.952	198560	3.953	143	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	429849	15.011	322443	15.018	133	50 - 200	-0.007	+/-0.50	
LDW22-SC784B (22L0137-05)		(Solid)	Lab File ID: 12222229ECD7.D				Analyzed: 12/23/22 01:44		
1-Bromo-2-Nitrobenzene	535444	3.516	346260	3.515	155	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	580047	14.26	663654	14.275	87	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	298955	3.953	198560	3.953	151	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	370410	15.008	322443	15.018	115	50 - 200	-0.010	+/-0.50	
LDW22-SC784B-FD (22L0137-06)		(Solid)	Lab File ID: 12222230ECD7.D				Analyzed: 12/23/22 02:06		
1-Bromo-2-Nitrobenzene	549444	3.515	346260	3.515	159	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	581383	14.26	663654	14.275	88	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	305112	3.952	198560	3.953	154	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	373948	15.01	322443	15.018	116	50 - 200	-0.008	+/-0.50	
LDW22-SC784C (22L0137-07)		(Solid)	Lab File ID: 12222231ECD7.D				Analyzed: 12/23/22 02:27		
1-Bromo-2-Nitrobenzene	566643	3.516	346260	3.515	164	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	589928	14.26	663654	14.275	89	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	325588	3.953	198560	3.953	164	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	384095	15.009	322443	15.018	119	50 - 200	-0.009	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0330
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC784D (22L0137-08)		(Solid)	Lab File ID: 12222232ECD7.D				Analyzed: 12/23/22 02:48		
1-Bromo-2-Nitrobenzene	532980	3.515	346260	3.515	154	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	535592	14.261	663654	14.275	81	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	302957	3.952	198560	3.953	153	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	356445	15.009	322443	15.018	111	50 - 200	-0.009	+/-0.50	
LDW22-SC784J (22L0137-14)		(Solid)	Lab File ID: 12222233ECD7.D				Analyzed: 12/23/22 03:09		
1-Bromo-2-Nitrobenzene	503978	3.516	346260	3.515	146	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	524169	14.262	663654	14.275	79	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	286682	3.952	198560	3.953	144	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	347242	15.009	322443	15.018	108	50 - 200	-0.009	+/-0.50	
LDW22-SC784K (22L0137-15)		(Solid)	Lab File ID: 12222234ECD7.D				Analyzed: 12/23/22 03:30		
1-Bromo-2-Nitrobenzene	504302	3.514	346260	3.515	146	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	566046	14.26	663654	14.275	85	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	288518	3.95	198560	3.953	145	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	362684	15.009	322443	15.018	112	50 - 200	-0.009	+/-0.50	
LDW22-SC784L (22L0137-16)		(Solid)	Lab File ID: 12222235ECD7.D				Analyzed: 12/23/22 03:52		
1-Bromo-2-Nitrobenzene	522728	3.514	346260	3.515	151	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	549788	14.26	663654	14.275	83	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	301770	3.951	198560	3.953	152	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	375971	15.009	322443	15.018	117	50 - 200	-0.009	+/-0.50	

Analytical Resources, LLC
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INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0096	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC785B (22L0137-19)		(Solid)	Lab File ID: 01052390ECD7.D				Analyzed: 01/06/23 19:39		
1-Bromo-2-Nitrobenzene	467767	3.513	306255	3.513	153	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	506108	14.259	482693	14.274	105	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	320221	3.949	213923	3.95	150	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	376373	15.006	304048	15.014	124	50 - 200	-0.008	+/-0.50	

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-21	File ID:	12192257ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 10:23
Solids:	51.05	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0282		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	96484.25	49.4	2.2
	2	8.314	8.326	0.012	34080.25	50.5	
Aroclor 1254	* 1	9.299	9.318	0.019	139138	64.7	17.7
	2	9.451	9.466	0.015	104154.8	77.3	
Aroclor 1260	* 1	11.044	11.0625	0.0185	80036.6	75.2	6.2
	2	11.656	11.66983	0.0138	80599	70.7	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-22	File ID:	12192258ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 10:44
Solids:	50.22	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0282		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	53208	29.4	24.
	2	8.314	8.326	0.012	28725.25	37.4	
Aroclor 1254	* 1	9.299	9.318	0.019	58583.6	31.9	43.4
	2	9.452	9.466	0.014	65377	49.6	
Aroclor 1260	* 1	11.045	11.0625	0.0175	61249.2	61.5	9.5
	2	11.657	11.66983	0.0128	60872.75	55.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-23	File ID:	12192259ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 11:05
Solids:	51.12	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0282		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	85722.25	43.6	2.6
	2	8.314	8.326	0.012	27204.5	42.5	
Aroclor 1254	* 1	9.298	9.318	0.02	134142	55.9	41.2
	2	9.451	9.466	0.015	112261	84.9	
Aroclor 1260	* 1	11.044	11.0625	0.0185	91055.4	94.3	6.8
	2	11.656	11.66983	0.0138	94678.75	88.1	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-24	File ID:	12202204ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 13:49
Solids:	54.47	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	90605	45.6	6.6
	2	8.315	8.326	0.011	27441.5	42.7	
Aroclor 1254	* 1	9.3	9.318	0.018	135142	53.5	41.9
	2	9.452	9.466	0.014	108002.4	81.9	
Aroclor 1260	* 1	11.046	11.0625	0.0165	93782.4	88.4	6.7
	2	11.657	11.66983	0.0128	94821.25	82.7	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-25	File ID:	12202205ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:10
Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	237250.5	139	3.7
	2	8.315	8.326	0.011	93548.25	134	
Aroclor 1254	* 1	9.3	9.318	0.018	277456.8	147	12.7
	2	9.452	9.466	0.014	201035.6	167	
Aroclor 1260	* 1	11.045	11.0625	0.0175	114975.8	116	.9
	2	11.657	11.66983	0.0128	120817.5	115	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-26	File ID:	12202206ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:31
Solids:	62.77	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	418778.5	230	9.9
	2	8.315	8.326	0.011	153537.3	254	
Aroclor 1254	* 1	9.3	9.318	0.018	525000.4	274	12.3
	2	9.453	9.466	0.013	365132.4	310	
Aroclor 1260	* 1	11.045	11.0625	0.0175	157430.6	160	17.7
	2	11.657	11.66983	0.0128	170471.8	134	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-27	File ID:	12202207ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 14:53
Solids:	64.74	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	220754.8	117	12.7
	2	8.315	8.326	0.011	75586.25	103	
Aroclor 1254	* 1	9.3	9.318	0.018	346499.4	202	2.4
	2	9.453	9.466	0.013	234207.6	207	
Aroclor 1260	* 1	11.045	11.0625	0.0175	89600.4	86.9	14.3
	2	11.657	11.66983	0.0128	92369.75	75.3	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-28	File ID:	12202208ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:14
Solids:	67.88	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	141242	70.4	12.7
	2	8.315	8.326	0.011	48743.25	62.0	
Aroclor 1254	* 1	9.301	9.318	0.017	219499.4	120	1.7
	2	9.453	9.466	0.013	145628	122	
Aroclor 1260	* 1	11.045	11.0625	0.0175	69115.4	62.0	11.6
	2	11.658	11.66983	0.0118	68292.5	55.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-29	File ID:	12202209ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:35
Solids:	64.61	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	208391.3	108	13.
	2	8.316	8.326	0.01	75108.5	94.8	
Aroclor 1254	* 1	9.301	9.318	0.017	314788.4	169	4.6
	2	9.453	9.466	0.013	209316.6	177	
Aroclor 1260	* 1	11.045	11.0625	0.0175	86216.6	77.0	13.3
	2	11.656	11.66983	0.0138	88460.75	67.4	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-30	File ID:	12202210ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 15:56
Solids:	66.46	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	198683	102	13.7
	2	8.315	8.326	0.011	69342.75	117	
Aroclor 1254	* 1	9.3	9.318	0.018	313134.4	174	2.8
	2	9.453	9.466	0.013	211268	179	
Aroclor 1260	* 1	11.046	11.0625	0.0165	91682	85.0	11.2
	2	11.657	11.66983	0.0128	95073.75	76.0	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-31	File ID:	12202211ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 16:17
Solids:	85.39	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.417	8.427	0.01	16073.25	8.4	10.
	2	8.319	8.326	0.007	4845	7.6	
Aroclor 1254	* 1	9.306	9.318	0.012	24508.8	12.8	6.5
	2	9.457	9.466	0.009	14743.2	12.0	
Aroclor 1260	* 1	11.05	11.0625	0.0125	8816.8	5.8	5.3
	2	11.662	11.66983	0.00783	6869.75	5.5	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-32	File ID:	12202212ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 16:39
Solids:	52.17	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	38015.25	20.6	20.1
	2	8.317	8.326	0.009	19527.25	25.2	
Aroclor 1254	* 1	9.301	9.318	0.017	57129.2	24.6	29.8
	2	9.453	9.466	0.013	43379.2	33.2	
Aroclor 1260	* 1	11.046	11.0625	0.0165	41205.8	37.5	11.
	2	11.658	11.66983	0.0118	38406.25	33.6	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-33	File ID:	12202213ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 17:00
Solids:	71.08	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	15372	8.9	7.6
	2	8.317	8.326	0.009	7807.5	9.6	
Aroclor 1254	* 1	9.302	9.318	0.016	24236.2	11.5	13.
	2	9.455	9.466	0.011	16985.6	13.1	
Aroclor 1260	* 1	11.047	11.0625	0.0155	15694.2	13.5	14.3
	2	11.658	11.66983	0.0118	13282.75	11.7	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-35	File ID:	12202217ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 18:25
Solids:	61.76	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	852275.5	570	7.4
	2	8.316	8.326	0.01	358936	614	
Aroclor 1254	* 1	9.301	9.318	0.017	759452	403	4.1
	2	9.453	9.466	0.013	493084.6	420	
Aroclor 1260	* 1	11.045	11.0625	0.0175	170109.2	169	9.9
	2	11.657	11.66983	0.0128	188041.3	153	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-36	File ID:	12202218ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 18:46
Solids:	61.78	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	1099359	762	4.7
	2	8.316	8.326	0.01	457406.3	799	
Aroclor 1254	* 1	9.3	9.318	0.018	958508	531	.6
	2	9.452	9.466	0.014	627890.8	534	
Aroclor 1260	* 1	11.045	11.0625	0.0175	165728.4	170	10.5
	2	11.657	11.66983	0.0128	195190.5	153	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-37	File ID:	12202219ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:07
Solids:	68.62	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	135341.5	78.1	16.8
	2	8.316	8.326	0.01	55648	66.0	
Aroclor 1254	* 1	9.3	9.318	0.018	161559.8	80.1	15.4
	2	9.453	9.466	0.013	122317.2	93.5	
Aroclor 1260	* 1	11.045	11.0625	0.0175	78582	79.3	9.
	2	11.657	11.66983	0.0128	81838.5	72.5	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-38	File ID:	12202220ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:29
Solids:	61.85	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	171937.5	109	.9
	2	8.315	8.326	0.011	62479.5	108	
Aroclor 1254	* 1	9.301	9.318	0.017	168801.4	114	36.
	2	9.452	9.466	0.014	212796.4	164	
Aroclor 1260	* 1	11.046	11.0625	0.0165	211063.4	205	11.9
	2	11.657	11.66983	0.0128	209187	182	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-39	File ID:	12202221ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 19:50
Solids:	64.45	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	482523	290	18.2
	2	8.316	8.326	0.01	200713.3	348	
Aroclor 1254	* 1	9.301	9.318	0.017	567895	315	12.2
	2	9.453	9.466	0.013	400086	356	
Aroclor 1260	* 1	11.045	11.0625	0.0175	147938.4	152	8.2
	2	11.657	11.66983	0.0128	168105	140	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-40	File ID:	12202222ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/20/22 20:11
Solids:	62.02	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	160944	84.1	11.3
	2	8.316	8.326	0.01	54384.5	94.2	
Aroclor 1254	* 1	9.301	9.318	0.017	236805.8	139	12.2
	2	9.453	9.466	0.013	178326	157	
Aroclor 1260	* 1	11.046	11.0625	0.0165	87881.2	89.7	2.7
	2	11.657	11.66983	0.0128	93153.5	87.3	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-41	File ID:	12202265ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 11:22
Solids:	62.05	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.301	9.318	0.017	657478.8	337	12.3
	2	9.453	9.466	0.013	436542.6	381	
Aroclor 1260	* 1	11.045	11.0625	0.0175	145350	133	10.3
	2	11.658	11.66983	0.0118	163533	120	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-42	File ID:	12202266ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 11:43
Solids:	67.10	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	138419	55.1	11.6
	2	8.316	8.326	0.01	39186	61.9	
Aroclor 1254	* 1	9.301	9.318	0.017	243409	123	6.3
	2	9.453	9.466	0.013	158958.2	131	
Aroclor 1260	* 1	11.045	11.0625	0.0175	54732.8	47.8	17.
	2	11.658	11.66983	0.0118	58183.5	40.3	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-43	File ID:	12202269ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 12:47
Solids:	65.80	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	146974.5	82.5	7.6
	2	8.317	8.326	0.009	53996	89.0	
Aroclor 1254	* 1	9.301	9.318	0.017	173633	91.1	10.3
	2	9.454	9.466	0.012	118744	101	
Aroclor 1260	* 1	11.046	11.0625	0.0165	50398.2	45.6	9.4
	2	11.657	11.66983	0.0128	48884.25	41.5	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-44	File ID:	12202270ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:08
Solids:	67.27	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.301	9.318	0.017	151404.2	79.0	5.7
	2	9.453	9.466	0.013	101438.2	83.6	
Aroclor 1260	* 1	11.045	11.0625	0.0175	66423.2	60.7	11.5
	2	11.658	11.66983	0.0118	65460	54.1	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-45	File ID:	12202271ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:29
Solids:	57.35	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1260	* 1	11.045	11.0625	0.0175	232628.4	255	11.6
	2	11.658	11.66983	0.0118	245264	227	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-46	File ID:	12202272ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 13:50
Solids:	63.47	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1260	* 1	11.047	11.0625	0.0155	40299.2	32.4	.9
	2	11.657	11.66983	0.0128	39345.25	32.7	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-47	File ID:	12202273ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 14:12
Solids:	56.88	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	15256.5	7.7	40.4
	2	8.318	8.326	0.008	9357	11.6	
Aroclor 1254	* 1	9.302	9.318	0.016	26792.2	11.3	32.6
	2	9.455	9.466	0.011	21431.8	15.7	
Aroclor 1260	* 1	11.047	11.0625	0.0155	22823.6	18.0	1.1
	2	11.658	11.66983	0.0118	21864.5	18.2	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-48	File ID:	12202274ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 14:33
Solids:	54.84	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	36147.25	20.0	28.3
	2	8.316	8.326	0.01	19688.25	26.6	
Aroclor 1254	* 1	9.301	9.318	0.017	43955.2	18.1	29.6
	2	9.454	9.466	0.012	32982.8	24.4	
Aroclor 1260	* 1	11.046	11.0625	0.0165	28182.2	23.4	3.4
	2	11.658	11.66983	0.0118	27885.5	24.2	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-61	File ID:	12202250ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:04
Solids:	58.14	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	26914.75	14.3	25.6
	2	8.317	8.326	0.009	16220.5	18.5	
Aroclor 1254	* 1	9.301	9.318	0.017	40521.6	16.6	36.9
	2	9.454	9.466	0.012	33932.6	24.1	
Aroclor 1260	* 1	11.046	11.0625	0.0165	40926	34.7	21.4
	2	11.658	11.66983	0.0118	37249.5	28.0	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-62	File ID:	12202251ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:26
Solids:	58.59	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	81136.5	40.5	.5
	2	8.316	8.326	0.01	25762.5	40.7	
Aroclor 1254	* 1	9.3	9.318	0.018	124305.6	64.4	19.9
	2	9.453	9.466	0.013	102932.6	78.6	
Aroclor 1260	* 1	11.045	11.0625	0.0175	93463.8	91.7	3.7
	2	11.657	11.66983	0.0128	96787.5	88.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-63	File ID:	12202252ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 06:47
Solids:	61.50	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	54023.75	28.1	2.1
	2	8.316	8.326	0.01	18196	28.7	
Aroclor 1254	* 1	9.3	9.318	0.018	80299.8	42.4	17.8
	2	9.453	9.466	0.013	66201	50.7	
Aroclor 1260	* 1	11.045	11.0625	0.0175	56261.6	52.9	4.2
	2	11.657	11.66983	0.0128	56202	50.7	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-64	File ID:	12202253ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:08
Solids:	62.10	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	88185.25	48.9	8.5
	2	8.317	8.326	0.009	32506	44.9	
Aroclor 1254	* 1	9.301	9.318	0.017	117967	60.1	10.7
	2	9.454	9.466	0.012	82735.2	66.9	
Aroclor 1260	* 1	11.045	11.0625	0.0175	52685	49.4	5.
	2	11.657	11.66983	0.0128	52596.5	47.0	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-65	File ID:	12202254ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:29
Solids:	63.93	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	228882	149	5.2
	2	8.317	8.326	0.009	95394.25	157	
Aroclor 1254	* 1	9.3	9.318	0.018	219479.8	120	4.9
	2	9.453	9.466	0.013	148588.8	126	
Aroclor 1260	* 1	11.046	11.0625	0.0165	68182.8	67.0	5.8
	2	11.658	11.66983	0.0118	69895.5	63.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-66	File ID:	12202255ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 07:50
Solids:	64.79	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	145497.3	93.2	6.5
	2	8.317	8.326	0.009	59725	99.5	
Aroclor 1254	* 1	9.3	9.318	0.018	135623.4	72.7	16.1
	2	9.454	9.466	0.012	98001.6	85.4	
Aroclor 1260	* 1	11.046	11.0625	0.0165	46630.2	43.3	11.
	2	11.657	11.66983	0.0128	44724	38.8	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-67	File ID:	12202256ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:12
Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	174222.8	107	5.5
	2	8.317	8.326	0.009	68265	113	
Aroclor 1254	* 1	9.301	9.318	0.017	176665.6	94.7	26.8
	2	9.454	9.466	0.012	134233	124	
Aroclor 1260	* 1	11.047	11.0625	0.0155	70379.6	66.4	7.5
	2	11.658	11.66983	0.0118	69858.5	61.6	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-68	File ID:	12202257ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:33
Solids:	64.96	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	221779.8	144	8.
	2	8.317	8.326	0.009	93963.5	156	
Aroclor 1254	* 1	9.301	9.318	0.017	212639.4	116	2.6
	2	9.454	9.466	0.012	141371.4	119	
Aroclor 1260	* 1	11.047	11.0625	0.0155	68465.8	67.0	9.
	2	11.659	11.66983	0.0108	68180.25	61.2	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-69	File ID:	12202258ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/21/22 08:54
Solids:	71.51	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0304		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	263388	138	9.
	2	8.316	8.326	0.01	89597.25	151	
Aroclor 1254	* 1	9.301	9.318	0.017	362330.8	198	10.5
	2	9.453	9.466	0.013	245690.2	220	
Aroclor 1260	* 1	11.045	11.0625	0.0175	90364	90.6	3.
	2	11.657	11.66983	0.0128	99502.25	93.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-01	File ID:	12212243ECD7.D
Sampled:	12/05/22 12:55	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 06:36
Solids:	78.52	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.309	9.318	0.009	4591	2.2	8.7
	* 2	9.467	9.466	0.001	3012	2.4	
Aroclor 1260	1	11.052	11.0625	0.0105	2435.6	1.1	37.
	* 2	11.663	11.66983	0.00683	2569.75	1.6	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-02	File ID:	12212244ECD7.D
Sampled:	12/05/22 12:22	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 06:57
Solids:	80.37	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.303	9.318	0.015	48929.8	28.0	7.6
	* 2	9.476	9.466	0.01	30058.8	30.2	
Aroclor 1260	1	11.039	11.0625	0.0235	40312.2	24.2	15.1
	* 2	11.656	11.66983	0.0138	39717	20.8	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-03	File ID:	12212245ECD7.D
Sampled:	12/05/22 12:42	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 07:18
Solids:	61.67	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	38514	24.8	20.
	2	8.316	8.326	0.01	15170.75	20.3	
Aroclor 1254	1	9.3	9.318	0.018	86491.2	43.7	18.3
	* 2	9.455	9.466	0.011	62242.6	52.5	
Aroclor 1260	1	11.046	11.0625	0.0165	22808.4	16.3	17.9
	* 2	11.657	11.66983	0.0128	44201	19.5	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-04	File ID:	12212246ECD7.D
Sampled:	12/05/22 13:45	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 07:39
Solids:	40.40	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.412	8.427	0.015	42676.5	26.4	16.7
	* 2	8.316	8.326	0.01	23723.75	31.2	
Aroclor 1254	1	9.301	9.318	0.017	60538.2	28.1	40.3
	* 2	9.453	9.466	0.013	60183	42.3	
Aroclor 1260	1	11.045	11.0625	0.0175	52407.8	41.6	1.
	* 2	11.657	11.66983	0.0128	51782.5	41.2	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-09	File ID:	12212251ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 09:25
Solids:	53.30	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	65514.5	30.9	3.5
	2	8.315	8.326	0.011	21781.75	32.0	
Aroclor 1254	1	9.302	9.318	0.016	101016.4	50.0	36.7
	* 2	9.453	9.466	0.013	85973.2	72.5	
Aroclor 1260	1	11.046	11.0625	0.0165	71305.6	61.6	1.6
	* 2	11.657	11.66983	0.0128	72761.5	60.6	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-10	File ID:	12212252ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 09:46
Solids:	54.31	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	164832.5	108	2.8
	2	8.315	8.326	0.011	71224	105	
Aroclor 1254	1	9.3	9.318	0.018	163744.6	87.7	20.7
	* 2	9.452	9.466	0.014	128269.6	108	
Aroclor 1260	1	11.046	11.0625	0.0165	60762.2	52.2	12.6
	* 2	11.656	11.66983	0.0138	67468.25	59.2	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-11	File ID:	12212255ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 10:49
Solids:	54.88	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	133731.5	67.0	4.6
	2	8.315	8.326	0.011	43702.5	64.0	
Aroclor 1254	1	9.3	9.318	0.018	176778.2	84.6	15.2
	* 2	9.452	9.466	0.014	134135.4	98.5	
Aroclor 1260	1	11.046	11.0625	0.0165	91555.6	76.2	4.6
	* 2	11.658	11.66983	0.0118	91029.75	72.8	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-12	File ID:	12212256ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 11:10
Solids:	64.90	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	115559.5	52.6	5.9
	2	8.315	8.326	0.011	41443	55.8	
Aroclor 1254	1	9.301	9.318	0.017	174314.8	89.1	27.9
	* 2	9.452	9.466	0.014	131137.2	118	
Aroclor 1260	1	11.046	11.0625	0.0165	52616.8	45.5	.
	* 2	11.658	11.66983	0.0118	54638.25	45.5	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-13	File ID:	12212257ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 11:31
Solids:	63.05	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	191457.5	97.5	3.5
	2	8.316	8.326	0.01	75734.5	101	
Aroclor 1254	* 1	9.3	9.318	0.018	268618	128	10.4
	2	9.453	9.466	0.013	168314.8	142	
Aroclor 1260	1	11.046	11.0625	0.0165	67673	58.1	4.6
	* 2	11.657	11.66983	0.0128	67998.5	55.5	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-17	File ID:	12212261ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 12:56
Solids:	53.61	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1260	1	11.03	11.0625	0.0325	19243.4	17.6	25.6
	* 2	11.648	11.66983	0.0218	17563.25	13.6	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-18	File ID:	12212262ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 13:17
Solids:	49.42	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	58927.5	37.9	24.6
	2	8.315	8.326	0.011	20766.75	29.6	
Aroclor 1254	1	9.301	9.318	0.017	73822.6	40.4	24.7
	* 2	9.452	9.466	0.014	63253	51.8	
Aroclor 1260	1	11.045	11.0625	0.0175	44731.6	36.2	7.2
	* 2	11.656	11.66983	0.0138	45804.75	38.9	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-20	File ID:	12212264ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	12/22/22 14:00
Solids:	53.28	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	46259	22.5	4.1
	2	8.316	8.326	0.01	14643.5	21.6	
Aroclor 1254	1	9.3	9.318	0.018	70623.6	35.4	28.4
	* 2	9.452	9.466	0.014	55261	47.1	
Aroclor 1260	1	11.045	11.0625	0.0175	52420.8	43.4	8.4
	* 2	11.657	11.66983	0.0128	49301.75	39.9	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-49	File ID:	12212206ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 17:32
Solids:	54.22	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.412	8.427	0.015	32060.25	21.9	9.2
	* 2	8.317	8.326	0.009	16816.75	24.0	
Aroclor 1254	1	9.302	9.318	0.016	53653.8	27.5	19.4
	* 2	9.454	9.466	0.012	46282.6	33.4	
Aroclor 1260	1	11.046	11.0625	0.0165	51951.2	42.1	5.1
	* 2	11.658	11.66983	0.0118	49694	40.0	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-50	File ID:	12212207ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 17:53
Solids:	59.47	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.411	8.427	0.016	16658.75	12.0	.8
	* 2	8.317	8.326	0.009	8196.25	12.1	
Aroclor 1254	1	9.301	9.318	0.017	22320	12.7	31.2
	* 2	9.455	9.466	0.011	19151.2	17.4	
Aroclor 1260	1	11.046	11.0625	0.0165	9003.6	8.9	32.9
	* 2	11.658	11.66983	0.0118	13500	12.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-51	File ID:	12212208ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:15
Solids:	56.27	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	61125	42.6	33.7
	2	8.316	8.326	0.01	19262.5	30.3	
Aroclor 1254	1	9.3	9.318	0.018	92982.6	48.5	35.3
	* 2	9.453	9.466	0.013	75927.4	69.3	
Aroclor 1260	1	11.045	11.0625	0.0175	76437.8	69.7	8.1
	* 2	11.657	11.66983	0.0128	73512.75	64.3	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-52	File ID:	12212209ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:36
Solids:	59.54	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	56365.5	38.8	24.
	2	8.316	8.326	0.01	18912	30.5	
Aroclor 1254	1	9.3	9.318	0.018	85255.8	44.2	34.5
	* 2	9.453	9.466	0.013	68232.6	62.6	
Aroclor 1260	1	11.045	11.0625	0.0175	60918.8	55.2	8.5
	* 2	11.658	11.66983	0.0118	59007	50.7	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-53	File ID:	12212210ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 18:57
Solids:	60.88	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	210179.3	117	9.9
	2	8.316	8.326	0.01	79082.5	106	
Aroclor 1254	1	9.3	9.318	0.018	248794.6	126	11.9
	* 2	9.453	9.466	0.013	172632.6	142	
Aroclor 1260	1	11.046	11.0625	0.0165	95431.8	90.4	4.3
	* 2	11.658	11.66983	0.0118	97992.75	86.6	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-55	File ID:	12212212ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 19:39
Solids:	63.57	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	244976.5	176	4.1
	2	8.317	8.326	0.009	99271.75	169	
Aroclor 1254	* 1	9.301	9.318	0.017	230861.4	138	.7
	2	9.454	9.466	0.012	149113	137	
Aroclor 1260	1	11.047	11.0625	0.0155	75247.8	71.5	9.8
	* 2	11.659	11.66983	0.0108	73569.25	64.8	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-56	File ID:	12212213ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:01
Solids:	64.47	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	262730	175	1.7
	2	8.316	8.326	0.01	103950.8	178	
Aroclor 1254	1	9.3	9.318	0.018	216091.2	133	12.7
	* 2	9.454	9.466	0.012	162774.8	151	
Aroclor 1260	1	11.046	11.0625	0.0165	80531.8	77.2	12.2
	* 2	11.658	11.66983	0.0118	76204	68.3	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-57	File ID:	12212214ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:22
Solids:	65.36	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	212991.5	145	.7
	2	8.316	8.326	0.01	84342.25	146	
Aroclor 1254	1	9.301	9.318	0.017	195661.8	109	11.3
	* 2	9.454	9.466	0.012	144284.2	122	
Aroclor 1260	1	11.046	11.0625	0.0165	95452.4	88.8	11.7
	* 2	11.658	11.66983	0.0118	91103.25	79.0	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-58	File ID:	12212215ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 20:43
Solids:	63.81	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	125347	77.8	.8
	2	8.316	8.326	0.01	45299	77.2	
Aroclor 1254	1	9.301	9.318	0.017	135511	75.3	11.3
	* 2	9.453	9.466	0.013	101585	84.3	
Aroclor 1260	1	11.046	11.0625	0.0165	77384.4	73.7	13.3
	* 2	11.658	11.66983	0.0118	72865	64.5	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-59	File ID:	12212218ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 21:46
Solids:	56.54	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.413	8.427	0.014	21703.75	10.7	34.7
	* 2	8.316	8.326	0.01	11808.25	15.2	
Aroclor 1254	1	9.301	9.318	0.017	35751.6	18.6	12.6
	* 2	9.454	9.466	0.012	28887.2	21.1	
Aroclor 1260	* 1	11.047	11.0625	0.0155	30810	24.0	3.8
	2	11.659	11.66983	0.0108	28352.5	23.1	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-60	File ID:	12212219ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 13:45	Analyzed:	12/21/22 22:08
Solids:	55.46	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0319		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.412	8.427	0.015	38838.25	25.9	14.3
	* 2	8.317	8.326	0.009	21384.75	29.9	
Aroclor 1254	1	9.3	9.318	0.018	54282.8	27.3	30.4
	* 2	9.453	9.466	0.013	41832	37.1	
Aroclor 1260	* 1	11.046	11.0625	0.0165	39199.8	33.1	9.2
	2	11.658	11.66983	0.0118	35654.5	30.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-05	File ID:	12222229ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 01:44
Solids:	50.71	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	30980.75	15.1	16.4
	2	8.315	8.326	0.011	14875.25	17.8	
Aroclor 1254	* 1	9.299	9.318	0.019	48686.4	18.9	27.
	2	9.451	9.466	0.015	35414.6	24.8	
Aroclor 1260	* 1	11.046	11.0625	0.0165	34828.8	25.2	8.3
	2	11.656	11.66983	0.0138	30148.25	23.2	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-06	File ID:	12222230ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:06
Solids:	52.12	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	27609.5	13.1	19.3
	2	8.315	8.326	0.011	13657.75	15.9	
Aroclor 1254	* 1	9.299	9.318	0.019	43563.4	16.7	26.5
	2	9.451	9.466	0.015	32040.6	21.8	
Aroclor 1260	* 1	11.045	11.0625	0.0175	35947.8	25.6	4.8
	2	11.656	11.66983	0.0138	30987	24.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-07	File ID:	12222231ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:27
Solids:	52.54	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	39246.25	17.3	2.9
	2	8.315	8.326	0.011	12514.5	16.8	
Aroclor 1254	* 1	9.3	9.318	0.018	60030	21.6	30.6
	2	9.452	9.466	0.014	44632.2	29.4	
Aroclor 1260	* 1	11.044	11.0625	0.0185	39561.8	27.5	5.2
	2	11.656	11.66983	0.0138	35115.25	26.1	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-08	File ID:	12222232ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 02:48
Solids:	51.88	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	59772.75	26.8	5.4
	2	8.314	8.326	0.012	17715.25	25.4	
Aroclor 1254	* 1	9.299	9.318	0.019	93663.2	34.2	40.4
	2	9.45	9.466	0.016	75853.2	51.5	
Aroclor 1260	* 1	11.045	11.0625	0.0175	71492.6	55.5	11.
	2	11.655	11.66983	0.0148	65540.75	49.7	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-14	File ID:	12222233ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 03:09
Solids:	62.99	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	134683.5	68.0	20.1
	2	8.314	8.326	0.012	53467.25	83.2	
Aroclor 1254	* 1	9.299	9.318	0.019	188249.8	85.6	11.7
	2	9.45	9.466	0.016	120518.2	96.2	
Aroclor 1260	* 1	11.045	11.0625	0.0175	54952	44.6	5.8
	2	11.656	11.66983	0.0138	53596.25	42.1	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-15	File ID:	12222234ECD7.D
Sampled:	12/05/22 12:20	Prepared:	12/12/22 13:35	Analyzed:	12/23/22 03:30
Solids:	67.27	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	39282	15.5	8.
	2	8.313	8.326	0.013	11179.5	16.8	
Aroclor 1254	* 1	9.299	9.318	0.019	67614.2	28.8	20.
	2	9.45	9.466	0.016	45639.4	35.2	
Aroclor 1260	* 1	11.044	11.0625	0.0185	25436.4	19.9	10.6
	2	11.655	11.66983	0.0148	23301.5	17.9	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-25RE1	File ID:	12222206ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 17:37
Solids:	64.23	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	67796.25	189	1.1
	2	8.317	8.326	0.009	24312.5	187	
Aroclor 1254	* 1	9.302	9.318	0.016	69021.2	183	10.4
	2	9.454	9.466	0.012	52219.2	203	
Aroclor 1260	* 1	11.047	11.0625	0.0155	32699.4	106	.9
	2	11.658	11.66983	0.0118	34932.75	105	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-26RE1	File ID:	12222207ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 17:58
Solids:	62.77	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	118360.5	306	.7
	2	8.316	8.326	0.01	40230.75	308	
Aroclor 1254	* 1	9.302	9.318	0.016	130216.6	335	10.7
	2	9.453	9.466	0.013	94930.4	373	
Aroclor 1260	* 1	11.046	11.0625	0.0165	49282	160	13.3
	2	11.657	11.66983	0.0128	44382.25	140	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-27RE1	File ID:	12222208ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 18:19
Solids:	64.74	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.415	8.427	0.012	67818	157	6.8
	2	8.317	8.326	0.009	21349	168	
Aroclor 1254	* 1	9.303	9.318	0.015	95810.6	256	2.7
	2	9.454	9.466	0.012	65643.4	263	
Aroclor 1260	* 1	11.047	11.0625	0.0155	30132.8	95.1	2.7
	2	11.659	11.66983	0.0108	28461.5	92.6	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-29RE1	File ID:	12222209ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 18:41
Solids:	64.61	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.415	8.427	0.012	57853.75	142	1.4
	2	8.317	8.326	0.009	18463.5	144	
Aroclor 1254	* 1	9.303	9.318	0.015	76425.8	206	2.9
	2	9.455	9.466	0.011	52955.8	212	
Aroclor 1260	* 1	11.048	11.0625	0.0145	27644.2	80.2	1.6
	2	11.66	11.66983	0.00983	23174.75	81.5	

* Column used for quantitation

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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-30RE1	File ID:	12222210ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:02
Solids:	66.46	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.415	8.427	0.012	57521.25	133	5.8
	2	8.317	8.326	0.009	18555.25	141	
Aroclor 1254	* 1	9.303	9.318	0.015	82456	217	.9
	2	9.454	9.466	0.012	56979.4	219	
Aroclor 1260	* 1	11.047	11.0625	0.0155	30507.4	88.1	1.3
	2	11.659	11.66983	0.0108	25635.75	87.0	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-34	File ID:	12222211ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:23
Solids:	63.59	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	46319	24.2	23.4
	2	8.315	8.326	0.011	18435.25	30.6	
Aroclor 1254	* 1	9.3	9.318	0.018	51824	32.6	22.8
	2	9.452	9.466	0.014	52282.8	41.0	
Aroclor 1260	* 1	11.046	11.0625	0.0165	44702	34.4	7.2
	2	11.657	11.66983	0.0128	44614.75	32.0	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-35RE1	File ID:	12222212ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 19:44
Solids:	61.76	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	201931.3	631	1.6
	2	8.316	8.326	0.01	80920.5	641	
Aroclor 1254	* 1	9.301	9.318	0.017	168430.6	444	5.3
	2	9.453	9.466	0.013	115344.8	468	
Aroclor 1260	* 1	11.047	11.0625	0.0155	48387.6	157	10.
	2	11.658	11.66983	0.0118	44862.5	142	

* Column used for quantitation

Analytical Resources, LLC
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DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-36RE1	File ID:	12222213ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 20:05
Solids:	61.78	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	253494.3	818	3.2
	2	8.316	8.326	0.01	99699.75	792	
Aroclor 1254	* 1	9.301	9.318	0.017	202663.8	541	3.6
	2	9.453	9.466	0.013	139797.4	561	
Aroclor 1260	* 1	11.047	11.0625	0.0155	47881.8	160	11.9
	2	11.658	11.66983	0.0118	46200.5	142	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-38RE1	File ID:	12222216ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 21:09
Solids:	61.85	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	52357.75	147	10.
	2	8.317	8.326	0.009	17145.75	133	
Aroclor 1254	* 1	9.303	9.318	0.015	73770.2	168	13.3
	2	9.454	9.466	0.012	54534.6	192	
Aroclor 1260	* 1	11.048	11.0625	0.0145	64529	192	13.3
	2	11.658	11.66983	0.0118	50844.25	168	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-39RE1	File ID:	12222217ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/12/22 15:50	Analyzed:	12/22/22 21:30
Solids:	64.45	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0226	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	127605	354	8.6
	2	8.316	8.326	0.01	48481.5	386	
Aroclor 1254	* 1	9.302	9.318	0.016	158937.4	397	1.5
	2	9.453	9.466	0.013	98853.2	403	
Aroclor 1260	* 1	11.047	11.0625	0.0155	46267.8	148	11.4
	2	11.658	11.66983	0.0118	42749.25	132	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-41RE1	File ID:	12222221ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 22:55
Solids:	62.05	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	100748	218	16.8
	2	8.315	8.326	0.011	32974.5	258	
Aroclor 1254	* 1	9.302	9.318	0.016	174102.2	415	1.9
	2	9.453	9.466	0.013	104338.4	423	
Aroclor 1260	* 1	11.046	11.0625	0.0165	42756.8	128	10.7
	2	11.658	11.66983	0.0118	39716.25	115	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-45RE1	File ID:	12222222ECD7.D
Sampled:	12/06/22 07:49	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:16
Solids:	57.35	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1260	* 1	11.046	11.0625	0.0165	62776.2	226	10.2
	2	11.656	11.66983	0.0138	55858.75	204	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-54RE1	File ID:	12222223ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:37
Solids:	62.79	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	129226	385	.5
	2	8.316	8.326	0.01	49189.5	387	
Aroclor 1254	* 1	9.301	9.318	0.017	132854.8	329	5.6
	2	9.453	9.466	0.013	78519.8	311	
Aroclor 1260	* 1	11.047	11.0625	0.0155	38569	122	.8
	2	11.657	11.66983	0.0128	34373.25	121	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-55RE1	File ID:	12222224ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/22/22 23:59
Solids:	63.57	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	71173.75	214	4.8
	2	8.316	8.326	0.01	26307.75	204	
Aroclor 1254	* 1	9.302	9.318	0.016	70941.6	176	10.8
	2	9.454	9.466	0.012	40516	158	
Aroclor 1260	* 1	11.047	11.0625	0.0155	22599	69.1	10.7
	2	11.658	11.66983	0.0118	31499.75	62.1	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-56RE1	File ID:	12222225ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/23/22 00:20
Solids:	64.47	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.413	8.427	0.014	73295	212	4.8
	2	8.316	8.326	0.01	27049.5	202	
Aroclor 1254	* 1	9.301	9.318	0.017	73481.8	178	7.6
	2	9.454	9.466	0.012	43626.4	165	
Aroclor 1260	* 1	11.047	11.0625	0.0155	22134.6	63.0	1.8
	2	11.658	11.66983	0.0118	24508.5	61.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-57RE1	File ID:	12222228ECD7.D
Sampled:	12/06/22 09:04	Prepared:	12/13/22 13:45	Analyzed:	12/23/22 01:23
Solids:	65.36	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0227	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	63059.25	186	3.8
	2	8.315	8.326	0.011	23066.5	179	
Aroclor 1254	* 1	9.303	9.318	0.015	65452.2	159	3.8
	2	9.454	9.466	0.012	40050.4	153	
Aroclor 1260	* 1	11.048	11.0625	0.0145	29712	82.5	6.4
	2	11.658	11.66983	0.0118	24464.25	77.4	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-65RE1	File ID:	12222218ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 21:51
Solids:	63.93	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.415	8.427	0.012	66137	201	4.1
	2	8.317	8.326	0.009	24575.25	193	
Aroclor 1254	* 1	9.303	9.318	0.015	67122.2	169	4.8
	2	9.455	9.466	0.011	39989.4	161	
Aroclor 1260	* 1	11.049	11.0625	0.0135	21379	63.9	2.6
	2	11.659	11.66983	0.0108	19100.25	65.6	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-68RE1	File ID:	12222219ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 22:12
Solids:	64.96	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	65495.5	202	3.
	2	8.317	8.326	0.009	24895.75	196	
Aroclor 1254	* 1	9.302	9.318	0.016	66543.6	170	1.2
	2	9.455	9.466	0.011	38966.2	168	
Aroclor 1260	* 1	11.048	11.0625	0.0145	22729.6	67.7	6.6
	2	11.659	11.66983	0.0108	18525.5	63.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-69RE1	File ID:	12222220ECD7.D
Sampled:	12/06/22 10:03	Prepared:	12/13/22 17:43	Analyzed:	12/22/22 22:34
Solids:	71.51	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0282	Sequence:	SKL0330		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.414	8.427	0.013	72835.25	181	1.1
	2	8.317	8.326	0.009	22745.75	179	
Aroclor 1254	* 1	9.303	9.318	0.015	104717	265	1.1
	2	9.455	9.466	0.011	62984.8	262	
Aroclor 1260	* 1	11.048	11.0625	0.0145	27833.6	82.7	7.8
	2	11.659	11.66983	0.0108	25358.75	76.5	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0137
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0137-19	File ID:	01052390ECD7.D
Sampled:	12/05/22 13:54	Prepared:	12/12/22 13:35	Analyzed:	01/06/23 19:39
Solids:	48.64	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0197	Sequence:	SLA0096		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	41379	30.1	16.9
	2	8.311	8.326	0.015	19416.75	25.4	
Aroclor 1254	1	9.298	9.318	0.02	70357.4	41.6	9.8
	* 2	9.447	9.466	0.019	58426.2	45.9	
Aroclor 1260	1	11.043	11.0625	0.0195	49547.8	40.7	7.9
	* 2	11.652	11.66983	0.0178	51557	37.6	

* Column used for quantitation

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT817 22L0137-01	12/05/22 12:55	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 06:36	10	40	
LDW22-IT816 22L0137-02	12/05/22 12:22	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 06:57	10	40	
LDW22-IT815 22L0137-03	12/05/22 12:42	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 07:18	10	40	
LDW22-SC813 22L0137-04	12/05/22 13:45	12/06/22 16:50	12/12/22 13:35	6	365	12/22/22 07:39	10	40	
LDW22-SC784B 22L0137-05	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 01:44	11	40	
LDW22-SC784B-FD 22L0137-06	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 02:06	11	40	
LDW22-SC784C 22L0137-07	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 02:27	11	40	
LDW22-SC784D 22L0137-08	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 02:48	11	40	
LDW22-SC784E 22L0137-09	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 09:25	10	40	
LDW22-SC784F 22L0137-10	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 09:46	10	40	
LDW22-SC784G 22L0137-11	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 10:49	10	40	
LDW22-SC784H 22L0137-12	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 11:10	10	40	
LDW22-SC784I 22L0137-13	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 11:31	10	40	
LDW22-SC784J 22L0137-14	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 03:09	11	40	
LDW22-SC784K 22L0137-15	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 03:30	11	40	
LDW22-SC784L 22L0137-16	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/23/22 03:52	11	40	
LDW22-SC784M 22L0137-17	12/05/22 12:20	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 12:56	10	40	
LDW22-SC785A 22L0137-18	12/05/22 13:54	12/06/22 16:50	12/12/22 13:35	6	365	12/22/22 13:17	10	40	
LDW22-SC785B 22L0137-19	12/05/22 13:54	12/06/22 16:50	12/12/22 13:35	6	365	01/06/23 19:39	25	40	
LDW22-SC785C 22L0137-20	12/05/22 13:54	12/06/22 16:50	12/12/22 13:35	6	365	12/22/22 14:00	10	40	
LDW22-SC785D 22L0137-21	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 10:23	8	40	
LDW22-SC785E 22L0137-22	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 10:44	8	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC785F 22L0137-23	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 11:05	8	40	
LDW22-SC785G 22L0137-24	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 13:49	8	40	
LDW22-SC785H 22L0137-25	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 14:10	8	40	
LDW22-SC785H 22L0137-25RE1	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/22/22 17:37	10	40	
LDW22-SC785I 22L0137-26	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 14:31	8	40	
LDW22-SC785I 22L0137-26RE1	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/22/22 17:58	10	40	
LDW22-SC785J 22L0137-27	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 14:53	8	40	
LDW22-SC785J 22L0137-27RE1	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/22/22 18:19	10	40	
LDW22-SC785K 22L0137-28	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 15:14	8	40	
LDW22-SC785L 22L0137-29	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 15:35	8	40	
LDW22-SC785L 22L0137-29RE1	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/22/22 18:41	10	40	
LDW22-SC785M 22L0137-30	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 15:56	8	40	
LDW22-SC785M 22L0137-30RE1	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/22/22 19:02	10	40	
LDW22-SC785N 22L0137-31	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 16:17	8	40	
LDW22-SC785A-FD 22L0137-32	12/05/22 13:54	12/06/22 16:50	12/12/22 15:50	7	365	12/20/22 16:39	8	40	
LDW22-SC776A 22L0137-33	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 17:00	8	40	
LDW22-SC776B 22L0137-34	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/22/22 19:23	10	40	
LDW22-SC776C 22L0137-35	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 18:25	8	40	
LDW22-SC776C 22L0137-35RE1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/22/22 19:44	10	40	
LDW22-SC776D 22L0137-36	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 18:46	8	40	
LDW22-SC776D 22L0137-36RE1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/22/22 20:05	10	40	
LDW22-SC776E 22L0137-37	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 19:07	8	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC776E-FD 22L0137-38	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 19:29	8	40	
LDW22-SC776E-FD 22L0137-38RE1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/22/22 21:09	10	40	
LDW22-SC776F 22L0137-39	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 19:50	8	40	
LDW22-SC776F 22L0137-39RE1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/22/22 21:30	10	40	
LDW22-SC776G 22L0137-40	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 20:11	8	40	
LDW22-SC776H 22L0137-41	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 11:22	8	40	
LDW22-SC776H 22L0137-41RE1	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/22/22 22:55	9	40	
LDW22-SC776I 22L0137-42	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 11:43	8	40	
LDW22-SC776J 22L0137-43	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 12:47	8	40	
LDW22-SC776K 22L0137-44	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 13:08	8	40	
LDW22-SC776L 22L0137-45	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 13:29	8	40	
LDW22-SC776L 22L0137-45RE1	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/22/22 23:16	9	40	
LDW22-SC776M 22L0137-46	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 13:50	8	40	
LDW22-SC770A 22L0137-47	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 14:12	8	40	
LDW22-SC770B 22L0137-48	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 14:33	8	40	
LDW22-SC770C 22L0137-49	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 17:32	8	40	
LDW22-SC770D 22L0137-50	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 17:53	8	40	
LDW22-SC770E 22L0137-51	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 18:15	8	40	
LDW22-SC770F 22L0137-52	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 18:36	8	40	
LDW22-SC770G 22L0137-53	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 18:57	8	40	
LDW22-SC770H 22L0137-54RE1	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/22/22 23:37	9	40	
LDW22-SC770I 22L0137-55	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 19:39	8	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC770I 22L0137-55RE1	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/22/22 23:59	9	40	
LDW22-SC770J 22L0137-56	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 20:01	8	40	
LDW22-SC770J 22L0137-56RE1	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/23/22 00:20	9	40	
LDW22-SC770K 22L0137-57	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 20:22	8	40	
LDW22-SC770K 22L0137-57RE1	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/23/22 01:23	9	40	
LDW22-SC770L 22L0137-58	12/06/22 09:04	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 20:43	8	40	
LDW22-SC769A 22L0137-59	12/06/22 10:03	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 21:46	8	40	
LDW22-SC769B 22L0137-60	12/06/22 10:03	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 22:08	8	40	
LDW22-SC769C 22L0137-61	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 06:04	8	40	
LDW22-SC769D 22L0137-62	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 06:26	8	40	
LDW22-SC769E 22L0137-63	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 06:47	8	40	
LDW22-SC769F 22L0137-64	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 07:08	8	40	
LDW22-SC769G 22L0137-65	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 07:29	8	40	
LDW22-SC769G 22L0137-65RE1	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/22/22 21:51	9	40	
LDW22-SC769H 22L0137-66	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 07:50	8	40	
LDW22-SC769I 22L0137-67	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 08:12	8	40	
LDW22-SC769J 22L0137-68	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 08:33	8	40	
LDW22-SC769J 22L0137-68RE1	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/22/22 22:12	9	40	
LDW22-SC769K 22L0137-69	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 08:54	8	40	
LDW22-SC769K 22L0137-69RE1	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/22/22 22:34	9	40	
Matrix Spike BKL0197-MS1	12/05/22 12:22	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 05:32	10	40	
Matrix Spike Dup BKL0197-MSD1	12/05/22 12:22	12/06/22 16:50	12/12/22 13:35	7	365	12/22/22 05:53	10	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Matrix Spike BKL0226-MS1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 09:19	8	40	
Matrix Spike Dup BKL0226-MSD1	12/06/22 07:49	12/06/22 16:50	12/12/22 15:50	6	365	12/20/22 09:40	8	40	
Matrix Spike BKL0227-MS1	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 12:04	8	40	
Matrix Spike Dup BKL0227-MSD1	12/06/22 07:49	12/06/22 16:50	12/13/22 13:45	7	365	12/21/22 12:26	8	40	
Matrix Spike BKL0282-MS1	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 05:22	7	40	
Matrix Spike Dup BKL0282-MSD1	12/06/22 10:03	12/06/22 16:50	12/13/22 17:43	7	365	12/21/22 05:43	8	40	

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Instrument: ECD7

Analyte	MDL	RL	Units
Aroclor 1016	1.6	4.0	ug/kg
Aroclor 1016 [2C]	1.6	4.0	ug/kg
Aroclor 1221	1.6	4.0	ug/kg
Aroclor 1221 [2C]	1.6	4.0	ug/kg
Aroclor 1232	1.6	4.0	ug/kg
Aroclor 1232 [2C]	1.6	4.0	ug/kg
Aroclor 1242	1.6	4.0	ug/kg
Aroclor 1242 [2C]	1.6	4.0	ug/kg
Aroclor 1248	1.6	4.0	ug/kg
Aroclor 1248 [2C]	1.6	4.0	ug/kg
Aroclor 1254	1.6	4.0	ug/kg
Aroclor 1254 [2C]	1.6	4.0	ug/kg
Aroclor 1260	0.6	4.0	ug/kg
Aroclor 1260 [2C]	0.6	4.0	ug/kg

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-279N
Description: Tetrachloro-m-xylene
Lot: 0052481B-1
Solvent: N/A
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Jul 28, 2005
Expiration: Jul 28, 2015
Sample Size: 100 mg
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

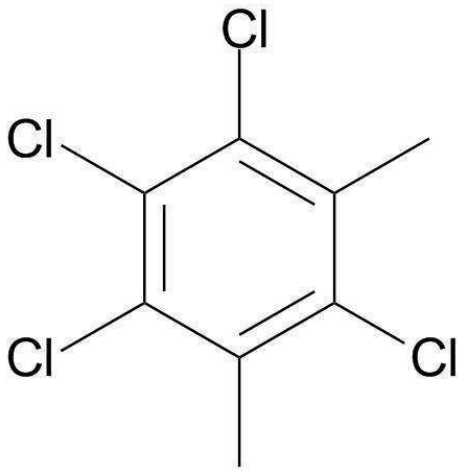
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/FID)	Prepared Concentration	Certified Analyte Concentration[1]
Tetrachloro-meta-xylene	877-09-8	96.0	N/A	N/A

Identification:

Molecular formula: C8H6Cl4
Molecular weight: 243.94



C000147
tetrachlormetaxylene
Expires 1/15/2020
Prepared By Joshua Rains 1/15/2014

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] The Uncertainty calculated for this product is ±2.4%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Metrological traceability is established through in-house validated methods.

Purity, if stated, is equal to 100% minus found impurity components. Impurity components have not been identified.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

AccuStandard
125 Market Street
New Haven, CT 06513
(203) 786-5290

CERTIFICATE OF PRODUCT DATA

PRODUCT: C-209N
DESCRIPTION: 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl
LOT #: 990521LB-AC
SOLVENT: N/A

EXPIRATION: Jul 28, 2015

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date on the Label.

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1]	Certified Analyte Concentration[2]
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	100	N/A	N/A

C000148
decachlorbiphenyl
Expires 1/15/2020
Prepared By Joshua Rains 1/15/2014

* I1768A

Certified by: R. Cooper

1. All weights are traceable through National Institute of Standards & Technology, Test No. 822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±4% which is the Combined Uncertainty uc(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is Uc(y) *K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

This product was manufactured in accordance to quality system requirements of ISO 9001:2000 and ISO 17025

* Recertified 2 4-6-09 JS

Analytical Standard Record

Standard ID: C000148 **Printed: 4/23/2015 11:54:44AM**

Description:	decachlorbiphenyl	Expires:	15-Jan-2020
Standard Type:	Other	Prepared:	15-Jan-2014
Solvent:	na/a	Prepared By:	Joshua Rains
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	27-Feb-2015 13:03 by JGR
Vendor:	Accustandard	Lot #:	990521lb-ac
Vendor Catalog #:			

Comments

see i1768a
SOM calibrations added 06/12/14 sdrd

Analyte	CAS Number	Concentration	Units
Decachlorobiphenyl [2C]	2051-24-3	1000000	ug/mL
Decachlorobiphenyl	2051-24-3	1000000	ug/mL
DCB 1660 [2C]	2051-24-3	1000000	ug/mL
DCB 1660	2051-24-3	1000000	ug/mL
DCB [2C]	2051-24-3	1000000	ug/mL
DCB (A) [2C]	2051-24-3	1000000	ug/mL
DCB (A)	2051-24-3	1000000	ug/mL
DCB	2051-24-3	1000000	ug/mL

Reviewed By Date

Certificate of Analysis

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Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101468
Description: Aroclor 1221
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL14017
Certification Date: August 20, 2019
Expiration Date: August 31, 2027

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1221	11104-28-2	1000	± 0.553%

I 10155

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

Certificate of Analysis

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Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101469
Description: Aroclor 1232
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL14914
Certification Date: January 31, 2020
Expiration Date: January 31, 2028

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1232	11141-16-5	1000	± 0.738%

I 010156

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

phenova Certified Reference Materials | A Phenomenex Company

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

Certificate of Analysis

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101470
Description: Aroclor 1242
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL14018
Certification Date: August 20, 2019
Expiration Date: August 31, 2027

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1242	53469-21-9	1000	± 0.553%

I 010157

Produced by Phenova
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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101471
Description: Aroclor 1248
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL15384
Certification Date: June 19, 2020
Expiration Date: June 30, 2028

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1248	12672-29-6	1000	± 0.520%

I 010158

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3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

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5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.: AL0-101472
Description: Aroclor 1254
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL13055
Certification Date: November 29, 2018
Expiration Date: November 30, 2026

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1254	11097-69-1	1000	± 0.247%

I 010159

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3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101474	**Lot Number:**	CL11330
Description:	Aroclor 1262	**Certification Date:**	May 15, 2015
Storage:	4 °C	**Expiration Date:**	April 30, 2023
Provided As:	1 mL in 2 mL Ampoule in Isooctane	**Revision Date:**	April 2, 2018

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1262	37324-23-5	1000	± 0.516%

I 10160

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2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101475	**Lot Number:**	CL11331
Description:	Aroclor 1268	**Certification Date:**	May 15, 2015
Storage:	4 °C	**Expiration Date:**	April 30, 2023
Provided As:	1 mL in 2 mL Ampoule in Isooctane	**Revision Date:**	April 2, 2018

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1268	11100-14-4	1000	± 0.516%

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3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

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[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
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[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
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Certified Reference Material

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Catalog No.: AL0-101462
Description: Aroclor 1260
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Hexane

Lot Number: CL16516
Certification Date: March 4, 2021
Expiration Date: February 28, 2029

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

J00645

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Reference Material Producer
Certicate No. 2427.02

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101467
Description: Aroclor 1016
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL16555
Certification Date: June 22, 2021
Expiration Date: February 28, 2029

Andrea Gill, Certified Reference Materials Manager

J012591
AROCLOR 1016
Expires 2/28/2029
Prepared By Joshua Rains 11/26/2021

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1016	12674-11-2	1000	± 0.310%

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5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

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$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ■ Tel: 303-940-0033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101462
Description: Aroclor 1260
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Hexane

Lot Number: CL16516
Certification Date: March 4, 2021
Expiration Date: February 28, 2029

J012592
AROCLOR 1260
Expires 2/28/2029
Prepared By Joshua Rains 11/26/2021

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ■ Tel: 303-940-0033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Certificate of Analysis

Agilent

Aroclor 1016 Solution

Product Number: PP-282 **Page:** 1 of 1

Lot Number: CR-0761 **Lot Issue Date:** 28-Feb-2017 **Expiration Date:** 31-Mar-2025

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	NT01016	100.2 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1254 JR
Read
02/05/22

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

John Russo
President

Monica Bourgeois
Director of QA/RA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 9001
Registered
TUV USA, Inc.

Agilent

Certificate of Analysis

Product Name: Aroclor 1260 Standard

Product Number: PP-362-1 **Lot Issue Date:** 20-Jan-2021

Lot Number: 0006582048 **Expiration Date:** 28-Feb-2025

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1260	011096-82-5	NT01023	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

K 1255

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

MJBourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Agilent

Certificate of Analysis
ISO Guide 34

Aroclor 1242 Solution

Product Number: PP-312 **Page:** 1 of 1

Lot Number: CS-6293 **Lot Issue Date:** 04-Jan-2019 **Expiration Date:** 31-Jan-2023

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1256

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO GUIDE 34 REFERENCE MATERIAL PRODUCER
ISO Guide 34 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management System

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO17025 Cert No.
AT-1937

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

K1257

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Certificate of Analysis

Agilent

Aroclor 1254 Solution

Product Number: PP-352 **Page:** 1 of 1

Lot Number: CS-2321 **Lot Issue Date:** 04-May-2018 **Expiration Date:** 31-May-2026

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	RM00922	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1258

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

John Russo
President

Monica Bourgeois
Director of QA/RA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 9001
Registered
TUV USA, Inc.

Agilent

Certificate of Analysis

Product Name: Aroclor 1221 Standard

Product Number: PP-292-1 **Lot Issue Date:** 28-Apr-2020

Lot Number: 0006535333 **Expiration Date:** 31-May-2024

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1221	011104-28-2	RM04278	100.2 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

K1259

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

MBourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Agilent

Certificate of Analysis
ISO 17034

Aroclor 1262 Standard

Product Number: PP-372-1 **Page:** 1 of 1

Lot Number: 0006499800 **Lot Issue Date:** 04-Nov-2019 **Expiration Date:** 30-Nov-2023

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent Technologies ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1262	037324-23-5	RM14263	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1260

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026 registered ISO 9001 Quality Management System

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Agilent

Certificate of Analysis
ISO 17034

Aroclor 1232 Standard

Product Number: PP-302-1 **Page:** 1 of 1

Lot Number: CF-2197A **Lot Issue Date:** 05-Jul-2016 **Expiration Date:** 31-Aug-2023

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1261

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO GUIDE 34 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026 registered ISO 9001 Quality Management System

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO17025 Cert No. AT-1937

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

K1262

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 15350

Order Number: CB014765 Date Shipped: 4/11/2022 AirBill No(s): 519204140444

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712

To: Kelly Bottem
Analytical Resources, Inc.
4611 S. 134th Place SUITE 100
Tukwila WA 98168
206-695-6211

K003525
K003528

Sample ID	Qty	Description/Remarks	→ Catalogue Number
PSRM0148	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0149	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0150	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0151	1	PUGET SOUND SEDIMENT RM	PS-SRM

4/11/2022

BOEING PLANT 2

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time 1400 4/11/2022	Received by: (Signature)	Date/Time 0955 04/12/22
Custody Seal(s): Present/Absent PRESENT	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

PUGET SOUND SEDIMENT REFERENCE MATERIAL
QATS LABORATORY INSTRUCTIONS FOR
HRGC/HRMS CDD/CDF/CB CONGENER AND GC/ECD AROCLOR ANALYSIS

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocols or your contract, disregard these instructions.

APPLICATION: For the analysis of CDD/CDF and CB Congener analytes using project-specified HRGC/HRMS methods, and Aroclors using project-specified GC/ECD methods.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analyses.

Contains CDD/CDF, CB Congener, and/or Aroclors
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a Puget Sound (Washington State) Sediment Reference Material (SRM) set for chlorinated dibenzo-p-dioxins/chlorinated dibenzofurans (CDD/CDF), and/or chlorinated biphenyl (CB) congener analysis using project-specified high resolution gas chromatography/ high resolution mass spectrometry (HRGC/HRMS) methods. This SRM is also suitable for Aroclors analysis using project-specified gas chromatography/electron capture detection (GC/ECD) methods. This set consists of one (1) or more bottles, each with approximately 30 grams of Puget Sound SRM containing CDD/CDF, CB Congener, and/or Aroclor analytes. Check the chain-of-custody record to determine the number of bottles provided for CDD/CDF, CB Congener, and/or Aroclor analysis. None of the bottles are to be opened until SRM preparation/analysis is to occur.

CAUTION: The SRM could contain compounds that are light sensitive and should be protected from light during storage. Store the SRM at ≤ 6° C, preferably at < 0° C, until SRM preparation and analysis is to occur. Allow the bottle(s) to reach ambient temperature before opening.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS REQUIREMENTS*

The SRM is to be analyzed as described in the project-specified methods employed for the analysis of CDD/CDF and/or CB Congener analytes using HRGC/HRMS instrumentation and/or Aroclors using GC/ECD instrumentation. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the project-specified methods, or your contract, disregard these instructions.

(D) *SAMPLE ANALYSIS*

General Instructions

The SRM contains CDD/CDF, CB Congener, and Aroclor analytes which are known or suspected to have severe health effects. Employing appropriate safety precautions, this SRM is to be handled, prepared, and analyzed exactly as you would process samples received from a known or suspected hazardous waste site. The SRM should be handled only by trained and experienced analysts in facilities expressly designed to handle such materials. When calculating the concentrations of analytes, use 0% as the soil moisture content.

Allow the bottle(s) to reach ambient temperature before opening and removing gravimetric amounts for sample preparation. To begin the extraction and analysis procedure, break the seal and open the bottle carefully. Weigh out the appropriate aliquot for extraction and analysis as prescribed in the project-specified methods (typically 10 grams for HRGC/HRMS methods and 30 grams for GC/ECD methods), or in accordance with your contract.

Proceed immediately with the extraction and analysis as described in the project-specified methods or your contract.

(E) *REPORTING*

Report the results for the prepared SRM as received.

Report the analytical results for the SRM to EPA or other appropriate Agency, using the format and other instructions for submission of data packages as specified in your contract.

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 15355

Order Number: CB014770

Date Shipped: 4/14/2022

AirBill No(s): 519204140499

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712

To: Kelly Bottem
Analytical Resources, Inc.
4611 S. 134th Place SUITE 100
Tukwila WA 98168
206-695-6211

K003635
K003636

Sample ID	Sigma ID	Qty	Description/Remarks	→ Catalogue Number
PSRM0152	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0153	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM

ANACORTES OUTFALL

04/14/2022

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time 1400 04/14/2022	Received by: (Signature)	Date/Time 04/15/22 10:25
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Report No. 00, 9/11/2014

SMP Version 3.3

APTIM

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Catalog Number: PS-SRM
Marine Sediment: CDD/CDF/CB Congeners/Aroclors

PUGET SOUND SEDIMENT REFERENCE MATERIAL
QATS LABORATORY INSTRUCTIONS FOR
HRGC/HRMS CDD/CDF/CB CONGENER AND GC/ECD AROCLOR ANALYSIS

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocols or your contract, disregard these instructions.

APPLICATION: For the analysis of CDD/CDF and CB Congener analytes using project-specified HRGC/HRMS methods, and Aroclors using project-specified GC/ECD methods.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analyses.

Contains CDD/CDF, CB Congener, and/or Aroclors
HAZARDOUS MATERIAL
Safety Data Sheets
Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a Puget Sound (Washington State) Sediment Reference Material (SRM) set for chlorinated dibenzo-p-dioxins/chlorinated dibenzofurans (CDD/CDF), and/or chlorinated biphenyl (CB) congener analysis using project-specified high resolution gas chromatography/ high resolution mass spectrometry (HRGC/HRMS) methods. This SRM is also suitable for Aroclors analysis using project-specified gas chromatography/electron capture detection (GC/ECD) methods. This set consists of one (1) or more bottles, each with approximately 30 grams of Puget Sound SRM containing CDD/CDF, CB Congener, and/or Aroclor analytes. Check the chain-of-custody record to determine the number of bottles provided for CDD/CDF, CB Congener, and/or Aroclor analysis. None of the bottles are to be opened until SRM preparation/analysis is to occur.

CAUTION: The SRM could contain compounds that are light sensitive and should be protected from light during storage. Store the SRM at ≤ 6° C, preferably at < 0° C, until SRM preparation and analysis is to occur. Allow the bottle(s) to reach ambient temperature before opening.

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

Certificate of Analysis

Phenova Certified Reference Materials are sold by Phenomenex.
411 Madrid Ave., Torrance, CA 90501 USA ▪ Tel: 310-212-0555 ▪ Fax: 310-328-7768 ▪ info@phenomenex.com
Access your MSDS and digital C of A at **www.phenomenex.com/mysupport. Re-order at www.phenomenex.com/standards**

Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.: AL0-101467
Description: Aroclor 1016
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL12975
Certification Date: November 19, 2018
Expiration Date: October 31, 2026

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1016	12674-11-2	1000	± 0.553%

K5829

ACCREDITED
Reference Material Producer
Certificate No. 2427.02

phenova® Certified Reference Materials

Manufactured by Phenova, Inc.
Phenova's testing and calibration results are internationally recognized through the ILAC MRA. Phenova is an accredited ISO Guide 34 Reference Material Provider and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ilac-MRA ACCREDITED
Chemical Testing Laboratory
Certificate No. 2427.03

IL11110613_us

Certificate of Analysis

Phenova Certified Reference Materials are sold by Phenomenex.
411 Madrid Ave., Torrance, CA 90501 USA ▪ Tel: 310-212-0555 ▪ Fax: 310-328-7768 ▪ info@phenomenex.com
Access your MSDS and digital C of A at www.phenomenex.com/mysupport. Re-order at www.phenomenex.com/standards

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

ACCREDITED
Reference Material Producer
Certificate No. 2427.02

phenova® Certified Reference Materials

Manufactured by Phenova, Inc.
Phenova's testing and calibration results are internationally recognized through the ILAC MRA. Phenova is an accredited ISO Guide 34 Reference Material Provider and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ilac-MRA ACCREDITED
Chemical Testing Laboratory
Certificate No. 2427.03

IL111106I3_US

Certificate of Analysis

phenova Certified Reference Materials | A Phenomenex Company

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101462
Description: Aroclor 1260
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Hexane

Lot Number: CL18021
Certification Date: February 14, 2022
Expiration Date: February 28, 2030

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

K005830

Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 15546

Order Number: CB014961

Date Shipped: 11/17/2022

AirBill No(s): 519204142414

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712

To: Kelly Bottem
Analytical Resources, Inc.
4611 S. 134th Place SUITE 100
Tukwila WA 98168
206-695-6211

Sample ID	Sigma ID	Qty	Description/Remarks	→ Catalogue Number
PSRM0164	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0165	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
PSRM0166	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM

11/17/2022

PUGET SOUND SRM FOR THE LOCKHEED WEST SEATTLE SF SITE 5-YEAR REVIEW MONITORING.

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/17/2022 (1400)	phillip	11/18/22 10:22
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Report No. 00, 9/11/2014

SMP Version 3.3

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT817

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-01 C	SDG:	22L0137
Sampled:	12/05/22 12:55	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-366
% Solids:	78.84	Preparation:	Plumb 1981	Analyzed:	12/15/22 06:36
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.2168 g Wet / 0.2168 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.24	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT816

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-02 C	SDG:	22L0137
Sampled:	12/05/22 12:22	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-372
% Solids:	75.73	Preparation:	Plumb 1981	Analyzed:	12/15/22 07:07
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.5452 g Wet / 0.5452 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.37	1	0.02	0.02	

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Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT815

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-03 C	SDG:	22L0137
Sampled:	12/05/22 12:42	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-377
% Solids:	53.68	Preparation:	Plumb 1981	Analyzed:	12/15/22 07:37
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.2122 g Wet / 0.2122 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.14	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC813

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-04 C	SDG:	22L0137
Sampled:	12/05/22 13:45	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-383
% Solids:	40.07	Preparation:	Plumb 1981	Analyzed:	12/15/22 08:07
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1016 g Wet / 0.1016 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.30	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-05 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-389
% Solids:	50.51	Preparation:	Plumb 1981	Analyzed:	12/15/22 08:38
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1085 g Wet / 0.1085 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.14	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784B-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-06 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-395
% Solids:	51.82	Preparation:	Plumb 1981	Analyzed:	12/15/22 09:08
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.19 g Wet / 0.19 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.25	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-07 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-404
% Solids:	52.18	Preparation:	Plumb 1981	Analyzed:	12/15/22 09:39
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1087 g Wet / 0.1087 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.11	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-08 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-436
% Solids:	53.05	Preparation:	Plumb 1981	Analyzed:	12/15/22 12:41
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1606 g Wet / 0.1606 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.34	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-09 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-443
% Solids:	54.59	Preparation:	Plumb 1981	Analyzed:	12/15/22 13:11
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1468 g Wet / 0.1468 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.97	1	0.02	0.02	

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Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-10 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-449
% Solids:	54.54	Preparation:	Plumb 1981	Analyzed:	12/15/22 13:41
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.1842 g Wet / 0.1842 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.86	1	0.02	0.02	

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Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-11 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-456
% Solids:	54.39	Preparation:	Plumb 1981	Analyzed:	12/15/22 14:11
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.2013 g Wet / 0.2013 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.29	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-12 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-462
% Solids:	64.75	Preparation:	Plumb 1981	Analyzed:	12/15/22 14:42
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.2087 g Wet / 0.2087 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.58	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-13 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-469
% Solids:	64.46	Preparation:	Plumb 1981	Analyzed:	12/15/22 15:12
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.5102 g Wet / 0.5102 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.10	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-14 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-473
% Solids:	62.47	Preparation:	Plumb 1981	Analyzed:	12/15/22 15:42
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.3 g Wet / 0.3 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.28	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-15 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/13/22 08:20	File ID:	CubeData_12272022@1337-480
% Solids:	68.78	Preparation:	Plumb 1981	Analyzed:	12/15/22 16:13
Batch:	BKL0299	Sequence:	SKL0152	Initial/Final:	0.5185 g Wet / 0.5185 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.92	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC784L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-16 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-524
% Solids:	60.59	Preparation:	Plumb 1981	Analyzed:	12/15/22 19:46
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5008 g Wet / 0.5008 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	4.46	1	0.02	0.02	

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Form I
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EPA 9060A m

LDW22-SC784M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-17RE1 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/14/22 08:25	File ID:	CubeData_01032023@1005-596
% Solids:	52.80	Preparation:	Plumb 1981	Analyzed:	12/30/22 09:14
Batch:	BKL0300	Sequence:	SKL0336	Initial/Final:	0.2132 g Wet / 0.2132 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	5.77	1	0.02	0.02	

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Form I
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EPA 9060A m

LDW22-SC785A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-18 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-552
% Solids:	46.77	Preparation:	Plumb 1981	Analyzed:	12/15/22 21:48
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2087 g Wet / 0.2087 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.95	1	0.02	0.02	

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EPA 9060A m

LDW22-SC785B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-19 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-557
% Solids:	47.95	Preparation:	Plumb 1981	Analyzed:	12/15/22 22:18
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2833 g Wet / 0.2833 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.74	1	0.02	0.02	

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LDW22-SC785C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-20 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-564
% Solids:	51.35	Preparation:	Plumb 1981	Analyzed:	12/15/22 22:49
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5549 g Wet / 0.5549 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.37	1	0.02	0.02	

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LDW22-SC785D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-21 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-571
% Solids:	51.23	Preparation:	Plumb 1981	Analyzed:	12/15/22 23:19
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2778 g Wet / 0.2778 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.46	1	0.02	0.02	

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LDW22-SC785E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-22 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-590
% Solids:	51.13	Preparation:	Plumb 1981	Analyzed:	12/16/22 00:51
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.3032 g Wet / 0.3032 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.54	1	0.02	0.02	

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EPA 9060A m

LDW22-SC785F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-23 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-597
% Solids:	52.62	Preparation:	Plumb 1981	Analyzed:	12/16/22 01:21
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2007 g Wet / 0.2007 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.57	1	0.02	0.02	

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LDW22-SC785G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-24 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-603
% Solids:	53.61	Preparation:	Plumb 1981	Analyzed:	12/16/22 01:52
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2116 g Wet / 0.2116 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.56	1	0.02	0.02	

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LDW22-SC785H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-25 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-609
% Solids:	61.16	Preparation:	Plumb 1981	Analyzed:	12/16/22 02:22
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2804 g Wet / 0.2804 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.89	1	0.02	0.02	

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LDW22-SC785I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-26 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-617
% Solids:	61.55	Preparation:	Plumb 1981	Analyzed:	12/16/22 02:53
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5348 g Wet / 0.5348 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.99	1	0.02	0.02	

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EPA 9060A m

LDW22-SC785J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-27 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-006
% Solids:	66.60	Preparation:	Plumb 1981	Analyzed:	12/16/22 03:23
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.505 g Wet / 0.505 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.56	1	0.02	0.02	

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LDW22-SC785K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-28 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-019
% Solids:	67.96	Preparation:	Plumb 1981	Analyzed:	12/16/22 03:53
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.3394 g Wet / 0.3394 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.39	1	0.02	0.02	

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LDW22-SC785L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-29 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-029
% Solids:	65.48	Preparation:	Plumb 1981	Analyzed:	12/16/22 04:23
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5205 g Wet / 0.5205 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.47	1	0.02	0.02	

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LDW22-SC785M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-30 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-041
% Solids:	65.52	Preparation:	Plumb 1981	Analyzed:	12/16/22 04:53
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5033 g Wet / 0.5033 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.52	1	0.02	0.02	

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EPA 9060A m

LDW22-SC785N

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-31 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-053
% Solids:	85.09	Preparation:	Plumb 1981	Analyzed:	12/16/22 05:24
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5285 g Wet / 0.5285 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.13	1	0.02	0.02	

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EPA 9060A m

LDW22-SC785A-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-32 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-081
% Solids:	46.25	Preparation:	Plumb 1981	Analyzed:	12/16/22 06:55
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.2066 g Wet / 0.2066 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.02	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-33 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-090
% Solids:	60.76	Preparation:	Plumb 1981	Analyzed:	12/16/22 07:25
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.32 g Wet / 0.32 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.32	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-34 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-104
% Solids:	62.46	Preparation:	Plumb 1981	Analyzed:	12/16/22 07:55
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5317 g Wet / 0.5317 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.96	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-35 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/14/22 08:25	File ID:	CubeData_12272022@1337-115
% Solids:	61.82	Preparation:	Plumb 1981	Analyzed:	12/16/22 08:25
Batch:	BKL0300	Sequence:	SKL0152	Initial/Final:	0.5133 g Wet / 0.5133 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.10	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-36 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-099
% Solids:	63.17	Preparation:	Plumb 1981	Analyzed:	12/16/22 16:14
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5297 g Wet / 0.5297 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.74	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-37 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-135
% Solids:	66.03	Preparation:	Plumb 1981	Analyzed:	12/16/22 17:46
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5209 g Wet / 0.5209 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.58	1	0.02	0.02	

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LDW22-SC776E-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-38 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-143
% Solids:	67.63	Preparation:	Plumb 1981	Analyzed:	12/16/22 18:16
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5159 g Wet / 0.5159 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.64	1	0.02	0.02	

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LDW22-SC776F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-39 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-151
% Solids:	66.03	Preparation:	Plumb 1981	Analyzed:	12/16/22 18:47
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5048 g Wet / 0.5048 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.72	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-40 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-182
% Solids:	63.43	Preparation:	Plumb 1981	Analyzed:	12/16/22 20:18
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5354 g Wet / 0.5354 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.71	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-41 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-194
% Solids:	62.17	Preparation:	Plumb 1981	Analyzed:	12/16/22 20:48
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5468 g Wet / 0.5468 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.28	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-42 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-205
% Solids:	67.53	Preparation:	Plumb 1981	Analyzed:	12/16/22 21:19
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5011 g Wet / 0.5011 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.60	1	0.02	0.02	

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Form I
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EPA 9060A m

LDW22-SC776J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-43 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-214
% Solids:	67.18	Preparation:	Plumb 1981	Analyzed:	12/16/22 21:49
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5281 g Wet / 0.5281 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.86	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC776K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-44 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-225
% Solids:	64.88	Preparation:	Plumb 1981	Analyzed:	12/16/22 22:20
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5102 g Wet / 0.5102 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.63	1	0.02	0.02	

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Form I
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EPA 9060A m

LDW22-SC776L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-45 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-237
% Solids:	56.76	Preparation:	Plumb 1981	Analyzed:	12/16/22 22:50
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5071 g Wet / 0.5071 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.80	1	0.02	0.02	

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EPA 9060A m

LDW22-SC776M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-46 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-247
% Solids:	63.33	Preparation:	Plumb 1981	Analyzed:	12/16/22 23:21
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5079 g Wet / 0.5079 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.61	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-47 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-260
% Solids:	53.96	Preparation:	Plumb 1981	Analyzed:	12/16/22 23:51
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.151 g Wet / 0.151 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.34	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-48 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-269
% Solids:	53.07	Preparation:	Plumb 1981	Analyzed:	12/17/22 00:22
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.1568 g Wet / 0.1568 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.57	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-49 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-281
% Solids:	54.83	Preparation:	Plumb 1981	Analyzed:	12/17/22 00:52
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.2216 g Wet / 0.2216 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.68	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-50 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-313
% Solids:	54.94	Preparation:	Plumb 1981	Analyzed:	12/17/22 02:24
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5078 g Wet / 0.5078 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.48	1	0.02	0.02	

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LDW22-SC770E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-51 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-325
% Solids:	55.49	Preparation:	Plumb 1981	Analyzed:	12/17/22 02:55
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5086 g Wet / 0.5086 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.54	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-52 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-332
% Solids:	59.71	Preparation:	Plumb 1981	Analyzed:	12/17/22 03:25
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5143 g Wet / 0.5143 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.69	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-53 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-337
% Solids:	59.21	Preparation:	Plumb 1981	Analyzed:	12/17/22 03:56
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.515 g Wet / 0.515 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.17	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-54 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-344
% Solids:	62.45	Preparation:	Plumb 1981	Analyzed:	12/17/22 04:27
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5098 g Wet / 0.5098 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.30	1	0.02	0.02	

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LDW22-SC770I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-55 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 10:50	File ID:	CubeData_12272022@1508-350
% Solids:	63.28	Preparation:	Plumb 1981	Analyzed:	12/17/22 04:57
Batch:	BKL0385	Sequence:	SKL0217	Initial/Final:	0.5177 g Wet / 0.5177 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.17	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-56 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-395
% Solids:	64.31	Preparation:	Plumb 1981	Analyzed:	12/17/22 08:31
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5021 g Wet / 0.5021 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.07	1	0.02	0.02	

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EPA 9060A m

LDW22-SC770K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-57 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-412
% Solids:	66.10	Preparation:	Plumb 1981	Analyzed:	12/17/22 10:03
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.513 g Wet / 0.513 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.98	1	0.02	0.02	

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LDW22-SC770L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-58 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-419
% Solids:	62.57	Preparation:	Plumb 1981	Analyzed:	12/17/22 10:34
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5136 g Wet / 0.5136 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.18	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-59 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-427
% Solids:	55.35	Preparation:	Plumb 1981	Analyzed:	12/17/22 11:04
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.1556 g Wet / 0.1556 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.37	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-60 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-434
% Solids:	53.40	Preparation:	Plumb 1981	Analyzed:	12/17/22 11:35
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.1536 g Wet / 0.1536 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.52	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-61 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-468
% Solids:	58.14	Preparation:	Plumb 1981	Analyzed:	12/17/22 14:39
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5303 g Wet / 0.5303 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.47	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-62 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-474
% Solids:	57.17	Preparation:	Plumb 1981	Analyzed:	12/17/22 15:09
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5244 g Wet / 0.5244 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.95	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-63 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-476
% Solids:	61.83	Preparation:	Plumb 1981	Analyzed:	12/17/22 15:40
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5259 g Wet / 0.5259 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.39	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-64 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-483
% Solids:	60.11	Preparation:	Plumb 1981	Analyzed:	12/17/22 16:10
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5345 g Wet / 0.5345 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.63	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-65 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-489
% Solids:	63.45	Preparation:	Plumb 1981	Analyzed:	12/17/22 16:41
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.521 g Wet / 0.521 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.91	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-66 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-493
% Solids:	65.04	Preparation:	Plumb 1981	Analyzed:	12/17/22 17:11
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5188 g Wet / 0.5188 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.77	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-67 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-500
% Solids:	64.23	Preparation:	Plumb 1981	Analyzed:	12/17/22 17:42
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5093 g Wet / 0.5093 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.86	1	0.02	0.02	

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EPA 9060A m

LDW22-SC769J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-68 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-506
% Solids:	64.91	Preparation:	Plumb 1981	Analyzed:	12/17/22 18:12
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5062 g Wet / 0.5062 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.01	1	0.02	0.02	

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Form I
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EPA 9060A m

LDW22-SC769K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-69 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/15/22 12:00	File ID:	CubeData_12272022@1508-514
% Solids:	63.27	Preparation:	Plumb 1981	Analyzed:	12/17/22 18:43
Batch:	BKL0386	Sequence:	SKL0217	Initial/Final:	0.5255 g Wet / 0.5255 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.10	1	0.02	0.02	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0299 Batch Matrix: Solid
Preparation: Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT817	22L0137-01	eData_12272022@1337-	12/13/22 08:20	
LDW22-IT816	22L0137-02	eData_12272022@1337-	12/13/22 08:20	
LDW22-IT815	22L0137-03	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC813	22L0137-04	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784B	22L0137-05	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784B-FD	22L0137-06	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784C	22L0137-07	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784D	22L0137-08	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784E	22L0137-09	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784F	22L0137-10	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784G	22L0137-11	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784H	22L0137-12	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784I	22L0137-13	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784J	22L0137-14	eData_12272022@1337-	12/13/22 08:20	
LDW22-SC784K	22L0137-15	eData_12272022@1337-	12/13/22 08:20	
Blank	BKL0299-BLK1	eData_12272022@1337-	12/13/22 08:20	
LCS	BKL0299-BS1	eData_12272022@1337-	12/13/22 08:20	
MRL Check	BKL0299-MRL1	eData_12272022@1337-	12/13/22 08:20	
Reference	BKL0299-SRM1	eData_12272022@1337-	12/13/22 08:20	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0300 Batch Matrix: Solid Preparation: Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC784L	22L0137-16	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC784M	22L0137-17RE1	eData_01032023@1005-	12/14/22 08:25	Added 12/28/2022 by DOE
LDW22-SC785A	22L0137-18	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785B	22L0137-19	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785C	22L0137-20	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785D	22L0137-21	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785E	22L0137-22	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785F	22L0137-23	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785G	22L0137-24	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785H	22L0137-25	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785I	22L0137-26	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785J	22L0137-27	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785K	22L0137-28	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785L	22L0137-29	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785M	22L0137-30	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785N	22L0137-31	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC785A-FD	22L0137-32	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC776A	22L0137-33	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC776B	22L0137-34	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC776C	22L0137-35	eData_12272022@1337-	12/14/22 08:25	
Blank	BKL0300-BLK1	eData_12272022@1337-	12/14/22 08:25	
LCS	BKL0300-BS1	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC784L	BKL0300-DUP1	eData_12272022@1337-	12/14/22 08:25	
MRL Check	BKL0300-MRL1	eData_12272022@1337-	12/14/22 08:25	
LDW22-SC784L	BKL0300-MS2	eData_01032023@1005-	12/14/22 08:25	
Reference	BKL0300-SRM1	eData_12272022@1337-	12/14/22 08:25	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0385 Batch Matrix: Solid Preparation: Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776D	22L0137-36	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776E	22L0137-37	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776E-FD	22L0137-38	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776F	22L0137-39	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776G	22L0137-40	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776H	22L0137-41	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776I	22L0137-42	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776J	22L0137-43	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776K	22L0137-44	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776L	22L0137-45	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776M	22L0137-46	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770A	22L0137-47	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770B	22L0137-48	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770C	22L0137-49	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770D	22L0137-50	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770E	22L0137-51	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770F	22L0137-52	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770G	22L0137-53	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770H	22L0137-54	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC770I	22L0137-55	eData_12272022@1508-	12/15/22 10:50	
Blank	BKL0385-BLK1	eData_12272022@1508-	12/15/22 10:50	
LCS	BKL0385-BS1	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776D	BKL0385-DUP1	eData_12272022@1508-	12/15/22 10:50	
MRL Check	BKL0385-MRL1	eData_12272022@1508-	12/15/22 10:50	
LDW22-SC776D	BKL0385-MS2	eData_01032023@1005-	12/15/22 10:50	
Reference	BKL0385-SRM1	eData_12272022@1508-	12/15/22 10:50	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0386 Batch Matrix: Solid Preparation: Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC770J	22L0137-56	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC770K	22L0137-57	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC770L	22L0137-58	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769A	22L0137-59	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769B	22L0137-60	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769C	22L0137-61	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769D	22L0137-62	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769E	22L0137-63	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769F	22L0137-64	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769G	22L0137-65	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769H	22L0137-66	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769I	22L0137-67	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769J	22L0137-68	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC769K	22L0137-69	eData_12272022@1508-	12/15/22 12:00	
Blank	BKL0386-BLK1	eData_12272022@1508-	12/15/22 12:00	
LCS	BKL0386-BS1	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC770J	BKL0386-DUP1	eData_12272022@1508-	12/15/22 12:00	
MRL Check	BKL0386-MRL1	eData_12272022@1508-	12/15/22 12:00	
LDW22-SC770J	BKL0386-MS1	eData_12272022@1508-	12/15/22 12:00	
Reference	BKL0386-SRM1	eData_12272022@1508-	12/15/22 12:00	

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC | SDG: 22L0137

Client: Anchor QEA, LLC | Project: AOC4 UR Phase 3

Batch: BKL0299 | Laboratory ID: BKL0299-BLK1 | Prepared: 12/13/22 08:20

Matrix: Solid | Preparation: Plumb 1981 | Analyzed: 12/15/22 00:31

Sequence: SKL0152 | Calibration: FD00070 | Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0300
Laboratory ID: BKL0300-BLK1
Prepared: 12/14/22 08:25
Matrix: Solid
Preparation: Plumb 1981
Analyzed: 12/15/22 17:14
Sequence: SKL0152
Calibration: FD00070
Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0385
Laboratory ID: BKL0385-BLK1
Prepared: 12/15/22 10:50
Matrix: Solid
Preparation: Plumb 1981
Analyzed: 12/16/22 14:43
Sequence: SKL0217
Calibration: FD00070
Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC | SDG: 22L0137

Client: Anchor QEA, LLC | Project: AOC4 UR Phase 3

Batch: BKL0386 | Laboratory ID: BKL0386-BLK1 | Prepared: 12/15/22 12:00

Matrix: Solid | Preparation: Plumb 1981 | Analyzed: 12/17/22 05:58

Sequence: SKL0217 | Calibration: FD00070 | Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/15/22 01:01
Batch:	BKL0299	Laboratory ID:	BKL0299-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0215 g / 0.0215 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	45.1		101	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/15/22 18:45
Batch:	BKL0300	Laboratory ID:	BKL0300-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0216 g / 0.0216 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	44.3		99.6	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/16/22 15:14
Batch:	BKL0385	Laboratory ID:	BKL0385-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0213 g / 0.0213 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	45.0		101	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/17/22 06:29
Batch:	BKL0386	Laboratory ID:	BKL0386-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0219 g / 0.0219 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	44.8		101	80 - 120

* Indicates values outside of QC limits

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0300-DUP1
Batch: BKL0300
Lab Source ID: 22L0137-16
Preparation: Plumb 1981
Initial/Final: 0.5094 g / 0.5094 g
Source Sample Name: LDW22-SC784L
% Solids: 60.59

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	4.46	3.81	15.7	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0385-DUP1
Batch: BKL0385
Lab Source ID: 22L0137-36
Preparation: Plumb 1981
Initial/Final: 0.5195 g / 0.5195 g
Source Sample Name: LDW22-SC776D
% Solids: 63.17

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	1.74	1.93	10.8	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0386-DUP1
Batch: BKL0386
Lab Source ID: 22L0137-56
Preparation: Plumb 1981
Initial/Final: 0.5109 g / 0.5109 g
Source Sample Name: LDW22-SC770J
% Solids: 64.31

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	2.07	2.11	2.01	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/30/22 12:48
Batch:	BKL0300	Laboratory ID:	BKL0300-MS2
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.203 g / 0.203 g	Source Sample:	LDW22-SC784L

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	3.07	4.46		7.73		107	75 - 125

* Values outside of QC limits

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/30/22 12:17
Batch:	BKL0385	Laboratory ID:	BKL0385-MS2
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5085 g / 0.5085 g	Source Sample:	LDW22-SC776D

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #		QC LIMITS REC.
Total Organic Carbon	1.16	1.74		3.21	*	127	*	75 - 125

* Values outside of QC limits

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/17/22 09:32
Batch:	BKL0386	Laboratory ID:	BKL0386-MS1
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5323 g / 0.5323 g	Source Sample:	LDW22-SC770J

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #		QC LIMITS REC.
Total Organic Carbon	1.06	2.07		3.43	*	128	*	75 - 125

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKD0371	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Cal Standard	SKD0371-CAL1	CubeData_04272022@1136-001	NA	04/26/22 12:30
Cal Standard	SKD0371-CAL2	CubeData_04272022@1136-002	NA	04/26/22 13:00
Cal Standard	SKD0371-CAL3	CubeData_04272022@1136-003	NA	04/26/22 13:30
Cal Standard	SKD0371-CAL4	CubeData_04272022@1136-004	NA	04/26/22 14:00
Cal Standard	SKD0371-CAL5	CubeData_04272022@1136-005	NA	04/26/22 14:30
Cal Standard	SKD0371-CAL6	CubeData_04272022@1136-006	NA	04/26/22 15:00
Cal Standard	SKD0371-CAL7	CubeData_04272022@1136-007	NA	04/26/22 15:30
Cal Standard	SKD0371-CAL8	CubeData_04272022@1136-008	NA	04/26/22 16:00
Cal Standard	SKD0371-CAL9	CubeData_04272022@1136-009	NA	04/26/22 16:30
Cal Standard	SKD0371-CALA	CubeData_04272022@1136-010	NA	04/26/22 17:00
Cal Standard	SKD0371-CALB	CubeData_04272022@1136-011	NA	04/26/22 17:30
Cal Standard	SKD0371-CALC	CubeData_04272022@1136-012	NA	04/26/22 18:00
Cal Standard	SKD0371-CALD	CubeData_04272022@1136-013	NA	04/26/22 18:30
Cal Standard	SKD0371-CALE	CubeData_04272022@1136-014	NA	04/26/22 19:00
Cal Standard	SKD0371-CALF	CubeData_04272022@1136-015	NA	04/26/22 19:31
Cal Standard	SKD0371-CALG	CubeData_04272022@1136-016	NA	04/26/22 20:01
Cal Standard	SKD0371-CALH	CubeData_04272022@1136-017	NA	04/26/22 20:31
Cal Standard	SKD0371-CALI	CubeData_04272022@1136-018	NA	04/26/22 21:01
Cal Standard	SKD0371-CALJ	CubeData_04272022@1136-019	NA	04/26/22 21:31
Cal Standard	SKD0371-CALK	CubeData_04272022@1136-020	NA	04/26/22 22:01
Initial Cal Check	SKD0371-ICV1	CubeData_04272022@1136-027	NA	04/27/22 02:03
Initial Cal Blank	SKD0371-ICB1	CubeData_04272022@1136-028	NA	04/27/22 02:33
Cal Standard	SKD0371-CALL	CubeData_04272022@1136-021	NA	04/27/22 11:08
Cal Standard	SKD0371-CALM	CubeData_04272022@1136-022	NA	04/27/22 11:08
Cal Standard	SKD0371-CALN	CubeData_04272022@1136-023	NA	04/27/22 11:09
Cal Standard	SKD0371-CALO	CubeData_04272022@1136-024	NA	04/27/22 11:09

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0152	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0152-ICV1	CubeData_12272022@1337-039	NA	12/12/22 10:45
Initial Cal Blank	SKL0152-ICB1	CubeData_12272022@1337-051	NA	12/12/22 11:15
Calibration Check	SKL0152-CCV1	CubeData_12272022@1337-156	NA	12/12/22 16:48
Calibration Blank	SKL0152-CCB1	CubeData_12272022@1337-162	NA	12/12/22 17:19
Calibration Check	SKL0152-CCV2	CubeData_12272022@1337-234	NA	12/12/22 22:53
Calibration Blank	SKL0152-CCB2	CubeData_12272022@1337-240	NA	12/12/22 23:23
Calibration Check	SKL0152-CCV3	CubeData_12272022@1337-313	NA	12/13/22 04:57
Calibration Blank	SKL0152-CCB3	CubeData_12272022@1337-318	NA	12/13/22 05:28
Calibration Check	SKL0152-CCV4	CubeData_12272022@1337-384	NA	12/13/22 11:03
Calibration Blank	SKL0152-CCB4	CubeData_12272022@1337-388	NA	12/13/22 11:33
Calibration Check	SKL0152-CCV5	CubeData_12272022@1337-457	NA	12/13/22 17:07
Calibration Blank	SKL0152-CCB5	CubeData_12272022@1337-461	NA	12/13/22 17:37
Calibration Check	SKL0152-CCV6	CubeData_12272022@1337-530	NA	12/13/22 23:11
Calibration Blank	SKL0152-CCB6	CubeData_12272022@1337-539	NA	12/13/22 23:42
Calibration Check	SKL0152-CCV7	CubeData_12272022@1337-610	NA	12/14/22 05:17
Calibration Blank	SKL0152-CCB7	CubeData_12272022@1337-616	NA	12/14/22 05:47
Calibration Check	SKL0152-CCV8	CubeData_12272022@1337-113	NA	12/14/22 11:20
Calibration Blank	SKL0152-CCB8	CubeData_12272022@1337-126	NA	12/14/22 11:50
Calibration Check	SKL0152-CCV9	CubeData_12272022@1337-201	NA	12/14/22 17:24
Calibration Blank	SKL0152-CCB9	CubeData_12272022@1337-208	NA	12/14/22 17:55
MRL Check	BKL0299-MRL1	CubeData_12272022@1337-272	Solid	12/14/22 23:00
Calibration Check	SKL0152-CCVA	CubeData_12272022@1337-280	NA	12/14/22 23:30
Calibration Blank	SKL0152-CCBA	CubeData_12272022@1337-286	NA	12/15/22 00:01
Blank	BKL0299-BLK1	CubeData_12272022@1337-294	Solid	12/15/22 00:31
LCS	BKL0299-BS1	CubeData_12272022@1337-301	Solid	12/15/22 01:01
Reference	BKL0299-SRM1	CubeData_12272022@1337-307	Solid	12/15/22 01:32
Calibration Check	SKL0152-CCVB	CubeData_12272022@1337-358	NA	12/15/22 05:35
Calibration Blank	SKL0152-CCBB	CubeData_12272022@1337-365	NA	12/15/22 06:06
LDW22-IT817	22L0137-01	CubeData_12272022@1337-366	Solid	12/15/22 06:36

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0152

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-IT816	22L0137-02	CubeData_12272022@1337-372	Solid	12/15/22 07:07
LDW22-IT815	22L0137-03	CubeData_12272022@1337-377	Solid	12/15/22 07:37
LDW22-SC813	22L0137-04	CubeData_12272022@1337-383	Solid	12/15/22 08:07
LDW22-SC784B	22L0137-05	CubeData_12272022@1337-389	Solid	12/15/22 08:38
LDW22-SC784B-FD	22L0137-06	CubeData_12272022@1337-395	Solid	12/15/22 09:08
LDW22-SC784C	22L0137-07	CubeData_12272022@1337-404	Solid	12/15/22 09:39
Calibration Check	SKL0152-CCVC	CubeData_12272022@1337-424	NA	12/15/22 11:40
Calibration Blank	SKL0152-CCBC	CubeData_12272022@1337-430	NA	12/15/22 12:10
LDW22-SC784D	22L0137-08	CubeData_12272022@1337-436	Solid	12/15/22 12:41
LDW22-SC784E	22L0137-09	CubeData_12272022@1337-443	Solid	12/15/22 13:11
LDW22-SC784F	22L0137-10	CubeData_12272022@1337-449	Solid	12/15/22 13:41
LDW22-SC784G	22L0137-11	CubeData_12272022@1337-456	Solid	12/15/22 14:11
LDW22-SC784H	22L0137-12	CubeData_12272022@1337-462	Solid	12/15/22 14:42
LDW22-SC784I	22L0137-13	CubeData_12272022@1337-469	Solid	12/15/22 15:12
LDW22-SC784J	22L0137-14	CubeData_12272022@1337-473	Solid	12/15/22 15:42
LDW22-SC784K	22L0137-15	CubeData_12272022@1337-480	Solid	12/15/22 16:13
MRL Check	BKL0300-MRL1	CubeData_12272022@1337-487	Solid	12/15/22 16:43
Blank	BKL0300-BLK1	CubeData_12272022@1337-493	Solid	12/15/22 17:14
Calibration Check	SKL0152-CCVD	CubeData_12272022@1337-498	NA	12/15/22 17:44
Calibration Blank	SKL0152-CCBD	CubeData_12272022@1337-504	NA	12/15/22 18:15
LCS	BKL0300-BS1	CubeData_12272022@1337-510	Solid	12/15/22 18:45
Reference	BKL0300-SRM1	CubeData_12272022@1337-516	Solid	12/15/22 19:16
LDW22-SC784L	22L0137-16	CubeData_12272022@1337-524	Solid	12/15/22 19:46
LDW22-SC784L	BKL0300-DUP1	CubeData_12272022@1337-531	Solid	12/15/22 20:17
LDW22-SC785A	22L0137-18	CubeData_12272022@1337-552	Solid	12/15/22 21:48
LDW22-SC785B	22L0137-19	CubeData_12272022@1337-557	Solid	12/15/22 22:18
LDW22-SC785C	22L0137-20	CubeData_12272022@1337-564	Solid	12/15/22 22:49
LDW22-SC785D	22L0137-21	CubeData_12272022@1337-571	Solid	12/15/22 23:19
Calibration Check	SKL0152-CCVE	CubeData_12272022@1337-578	NA	12/15/22 23:50

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

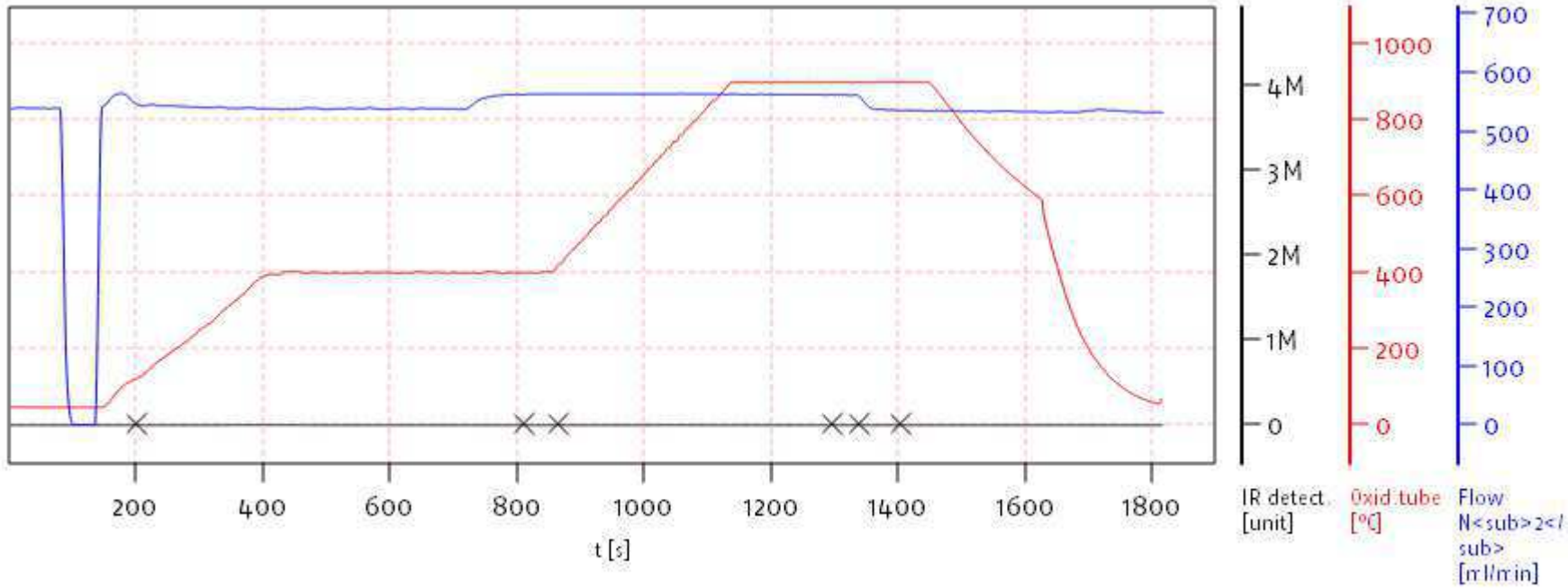
Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0152

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Blank	SKL0152-CCBE	CubeData_12272022@1337-585	NA	12/16/22 00:20
LDW22-SC785E	22L0137-22	CubeData_12272022@1337-590	Solid	12/16/22 00:51
LDW22-SC785F	22L0137-23	CubeData_12272022@1337-597	Solid	12/16/22 01:21
LDW22-SC785G	22L0137-24	CubeData_12272022@1337-603	Solid	12/16/22 01:52
LDW22-SC785H	22L0137-25	CubeData_12272022@1337-609	Solid	12/16/22 02:22
LDW22-SC785I	22L0137-26	CubeData_12272022@1337-617	Solid	12/16/22 02:53
LDW22-SC785J	22L0137-27	CubeData_12272022@1337-006	Solid	12/16/22 03:23
LDW22-SC785K	22L0137-28	CubeData_12272022@1337-019	Solid	12/16/22 03:53
LDW22-SC785L	22L0137-29	CubeData_12272022@1337-029	Solid	12/16/22 04:23
LDW22-SC785M	22L0137-30	CubeData_12272022@1337-041	Solid	12/16/22 04:53
LDW22-SC785N	22L0137-31	CubeData_12272022@1337-053	Solid	12/16/22 05:24
Calibration Check	SKL0152-CCVF	CubeData_12272022@1337-062	NA	12/16/22 05:54
Calibration Blank	SKL0152-CCBF	CubeData_12272022@1337-073	NA	12/16/22 06:24
LDW22-SC785A-FD	22L0137-32	CubeData_12272022@1337-081	Solid	12/16/22 06:55
LDW22-SC776A	22L0137-33	CubeData_12272022@1337-090	Solid	12/16/22 07:25
LDW22-SC776B	22L0137-34	CubeData_12272022@1337-104	Solid	12/16/22 07:55
LDW22-SC776C	22L0137-35	CubeData_12272022@1337-115	Solid	12/16/22 08:25
Calibration Check	SKL0152-CCVG	CubeData_12272022@1337-125	NA	12/16/22 08:56
Calibration Blank	SKL0152-CCBG	CubeData_12272022@1337-136	NA	12/16/22 09:26

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/12/2022 9:14 AM	bl	0.000	14 067	0.000	0.000	649	8 531	0.000	0.000	1.0000	1.0000



Name:

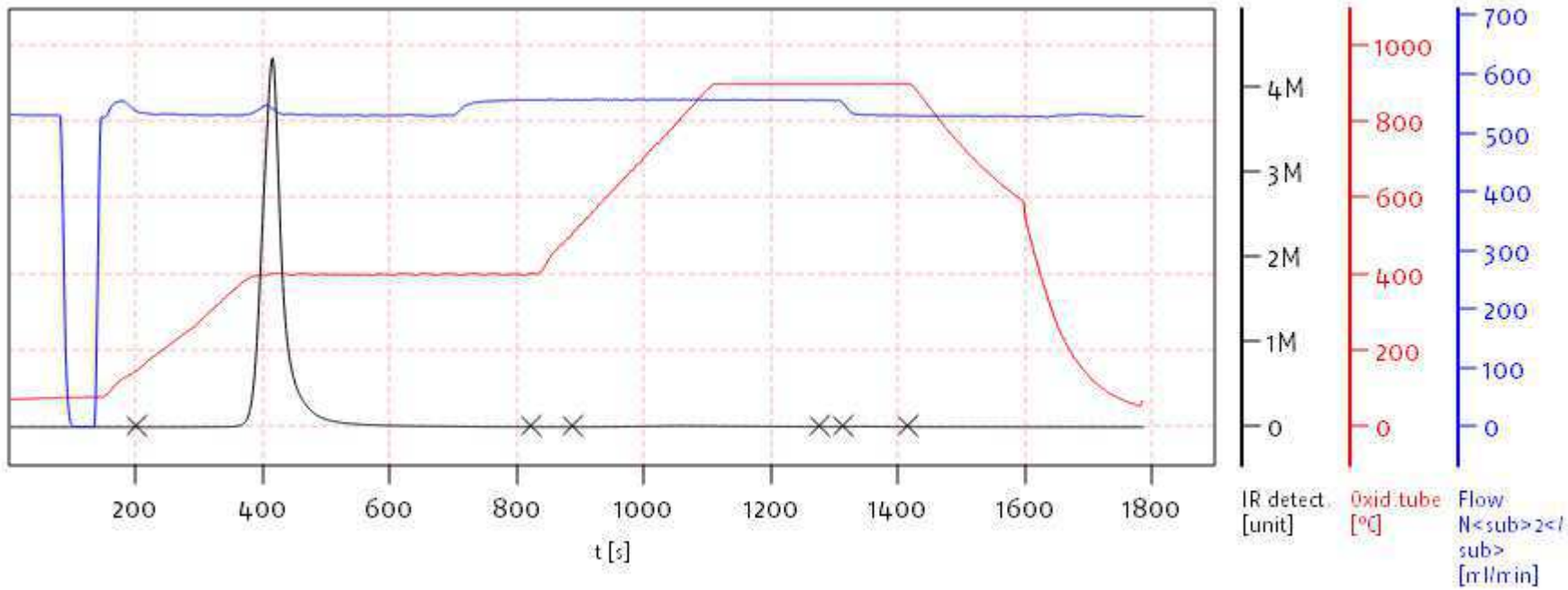
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	20.20		CARBON	12/12/2022 9:44 AM	bl	44.446	6 166 884	45.100	0.000	19 284	111 863	44.446	0.654	0.9445	1.0000



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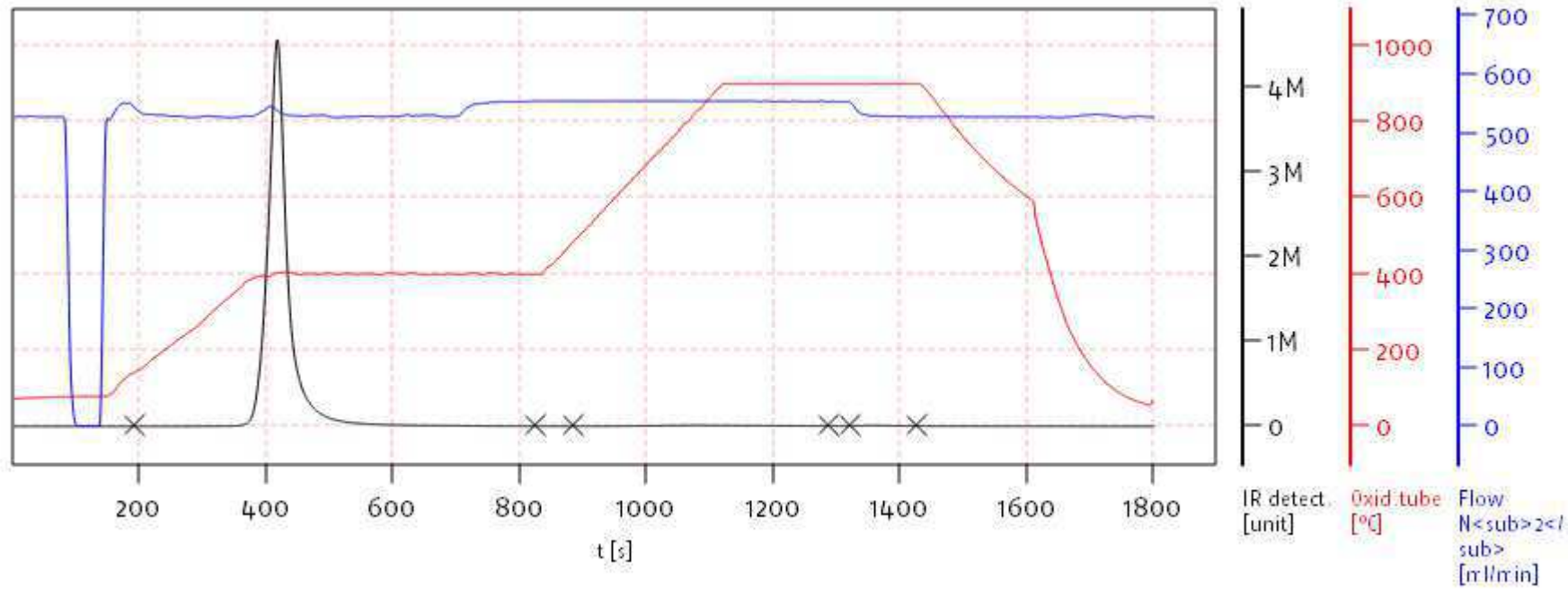
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	20.30		CARBON	12/12/2022 10:14 AM	bl	44.446	6 242 375	45.014	0.000	26 336	101 084	44.446	0.569	0.9377	1.0000



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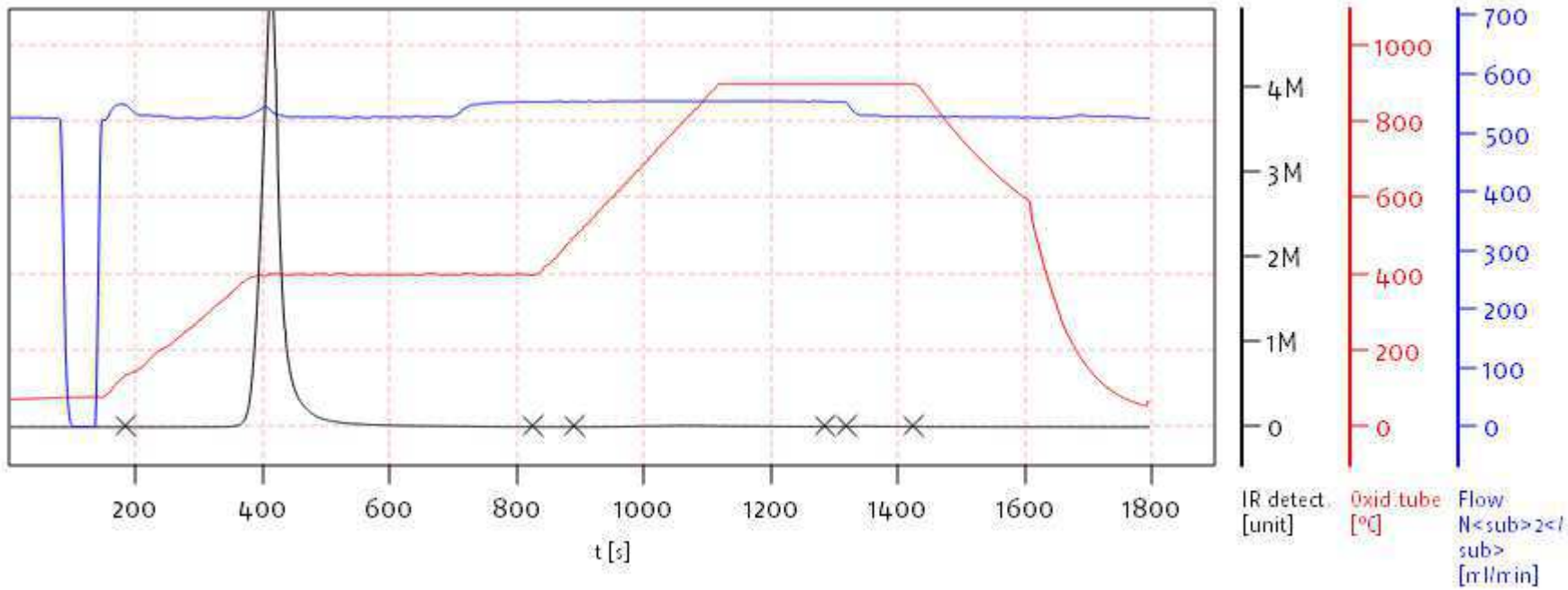
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0152-ICV1	22.20		CARBON	12/12/2022 10:45 AM	bl	44.994	6 883 003	45.728	0.000	24 484	131 742	44.994	0.734	0.9411	1.0000



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Date: Fri Dec 16 09:43:23 2022

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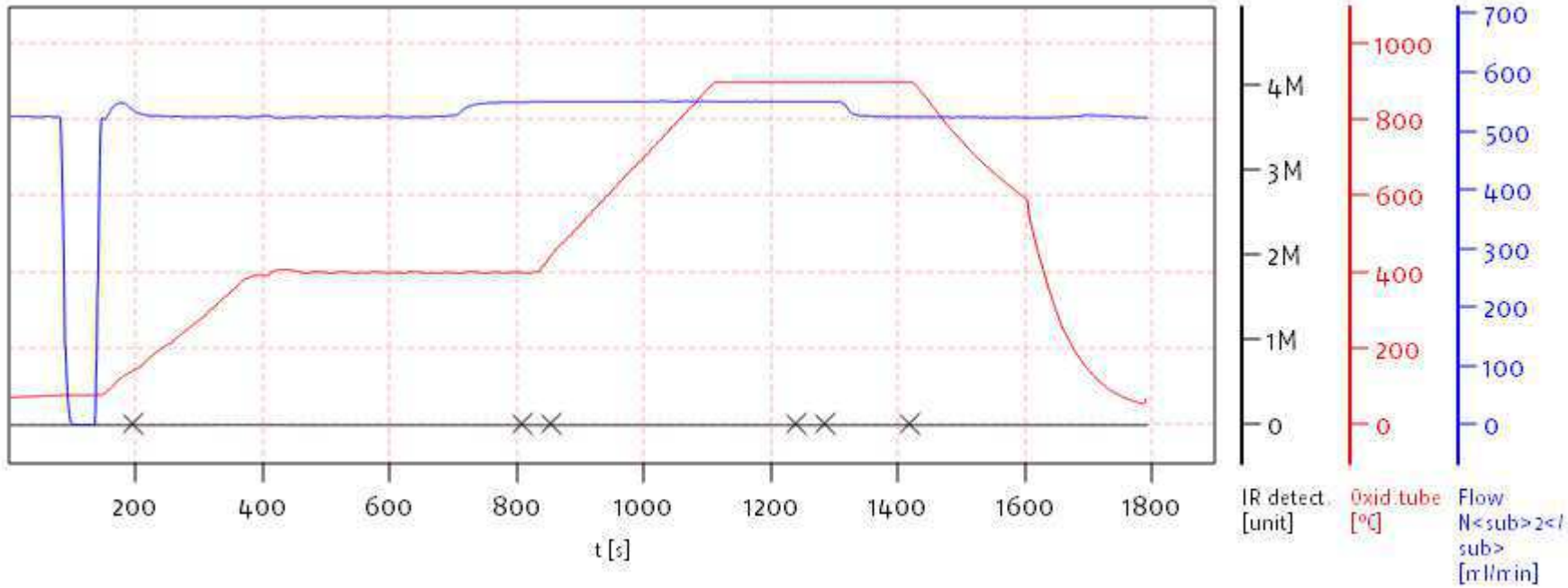
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0152-ICB1	518.20		CARBON	12/12/2022 11:15 AM	bl,C3u,C2u	0.000	7 810	0.000	0.000	945	205	0.000	0.000	0.9411	1.0000



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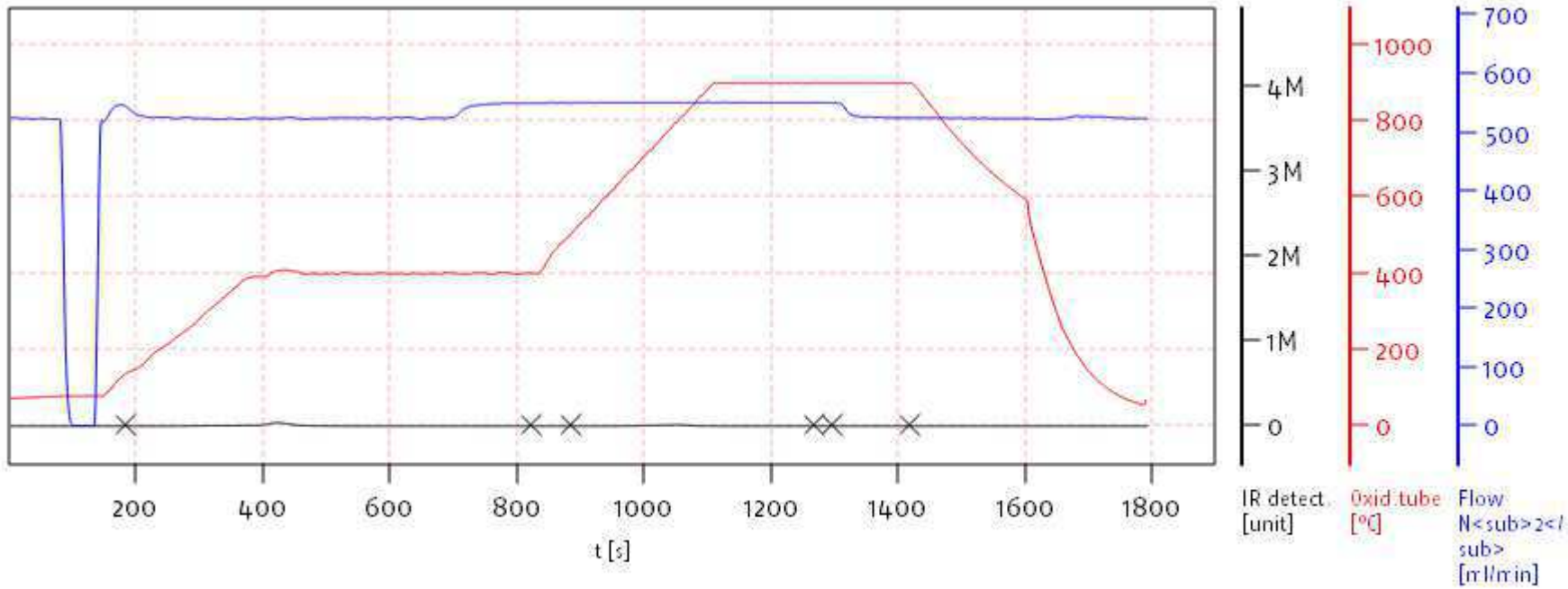
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	BKL0237-MRL1	528.80		CARBON	12/12/2022 11:45 AM	bl,C2u	0.019	96 343	0.023	0.000	1 010	38 216	0.019	0.003	0.9411	1.0000



Name:

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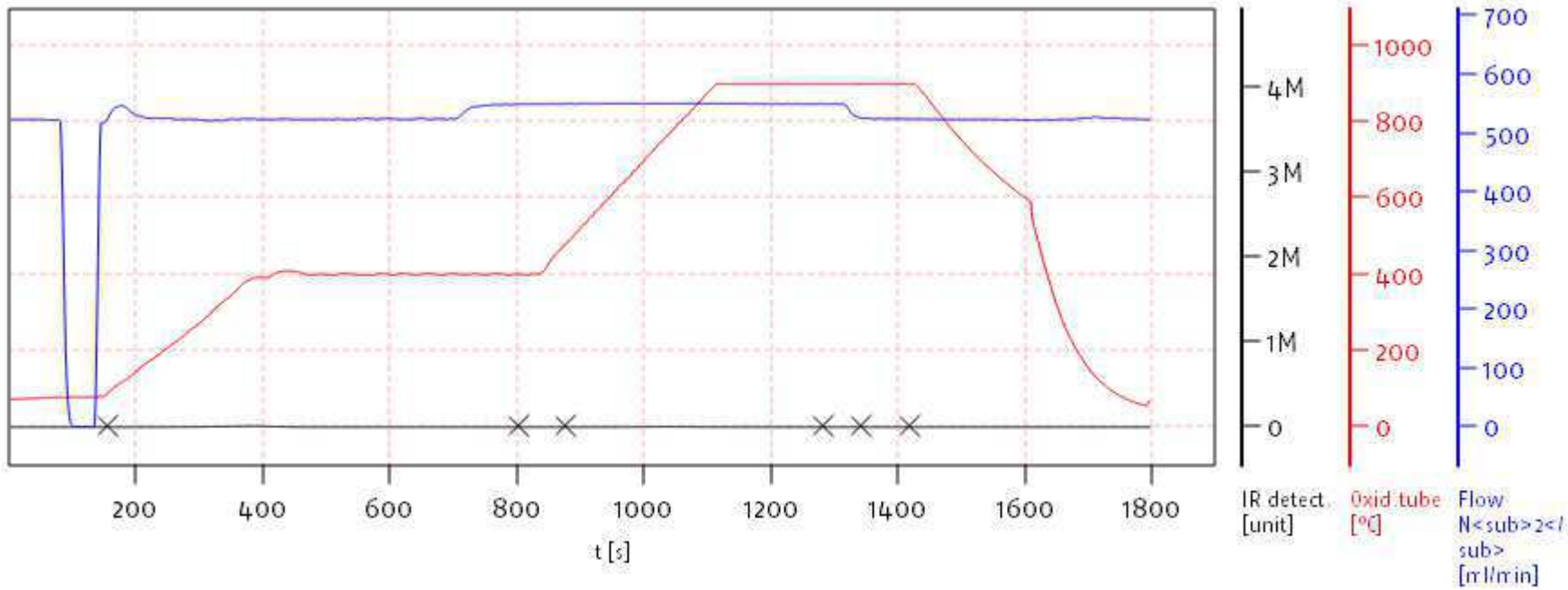
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	BKL0237-BLK1	515.10		CARBON	12/12/2022 12:16 PM	bl,C2u	0.006	47 028	0.006	0.000	446	21 295	0.006	0.000	0.9411	1.0000



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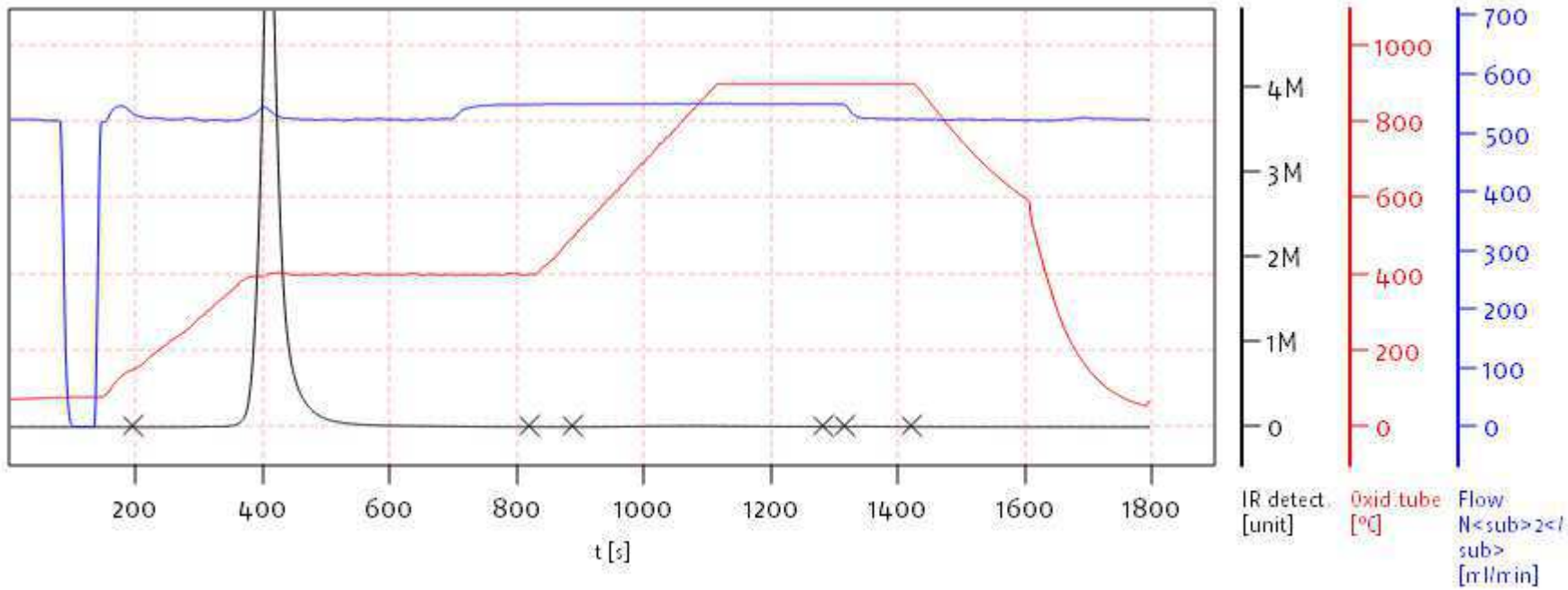
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	BKL0237-BS1	26.10		CARBON	12/12/2022 12:46 PM	bl	46.013	8 270 115	46.547	0.000	21 069	116 454	46.013	0.533	0.9411	1.0000



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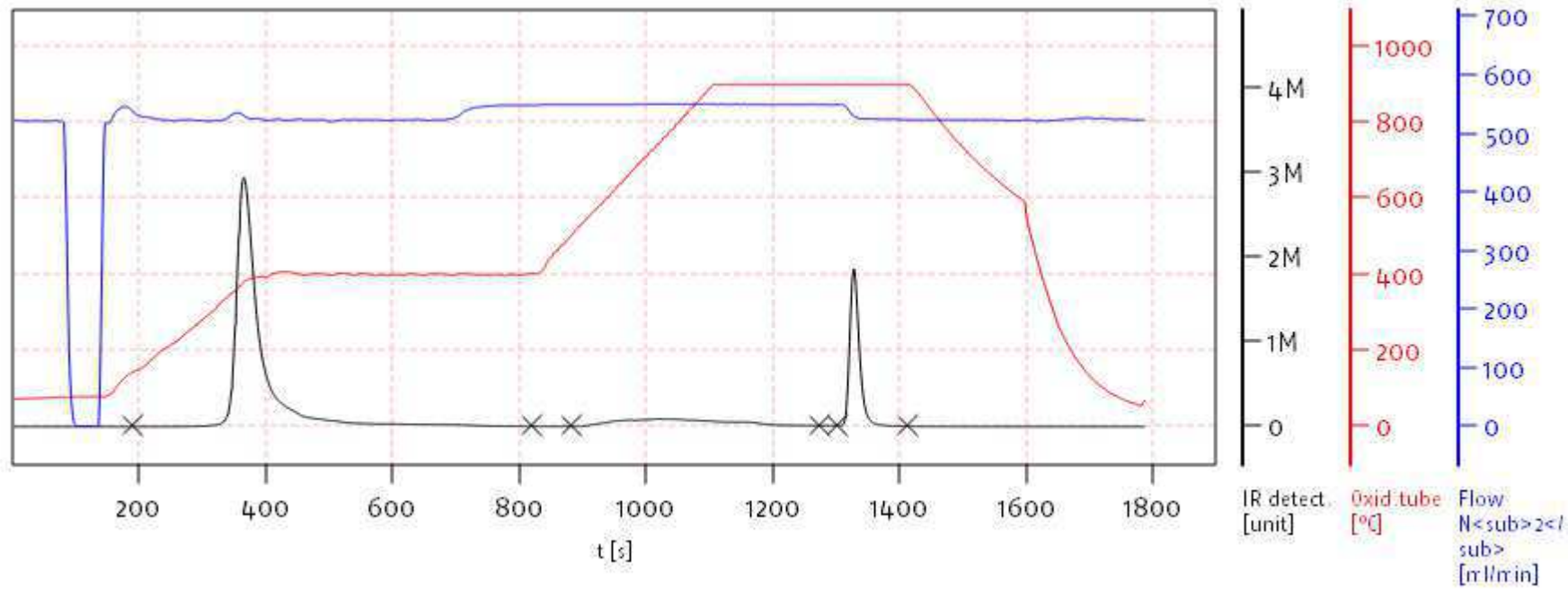
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	BKL0237-SRM1	293.40		CARBON	12/12/2022 1:16 PM	bl	2.967	4 696 975	3.341	0.648	1 254 063	736 550	2.319	0.375	0.9411	1.0000



Name:

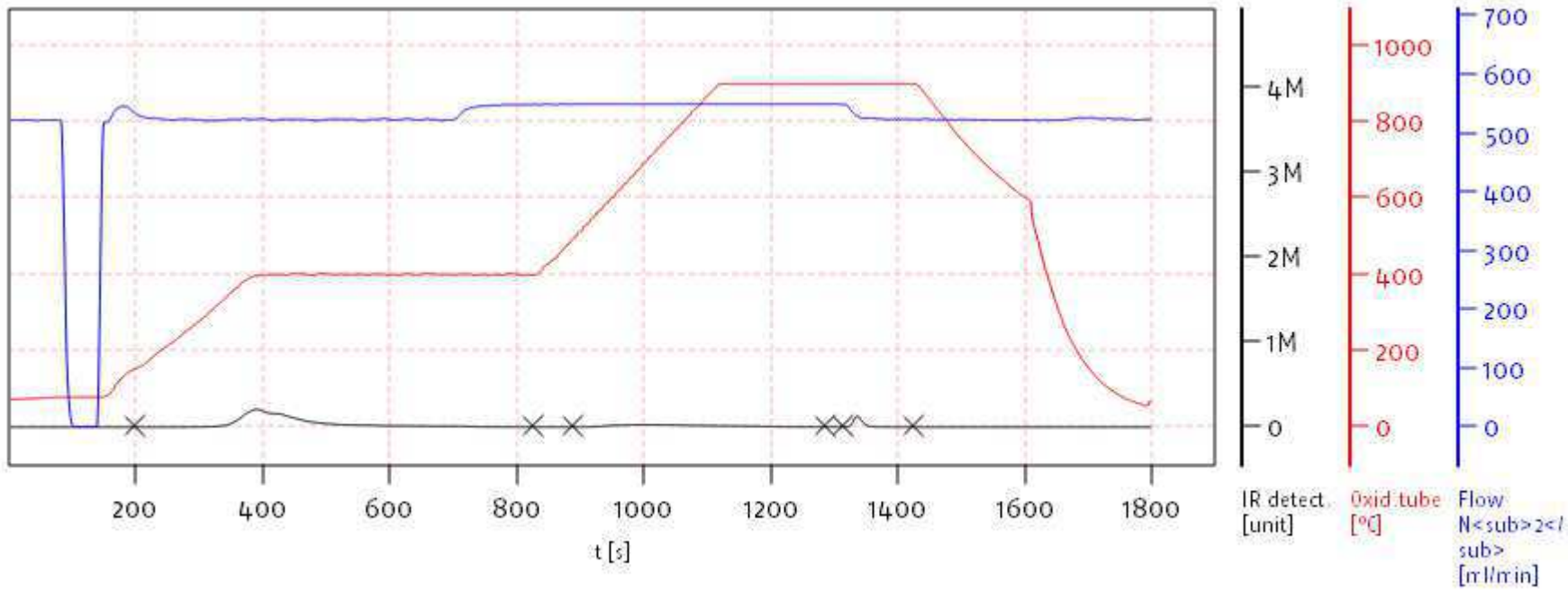
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22K0361-02	189.40		CARBON	12/12/2022 1:46 PM	bl	0.688	862 905	0.830	0.045	81 318	199 848	0.643	0.142	0.9411	1.0000



Name:

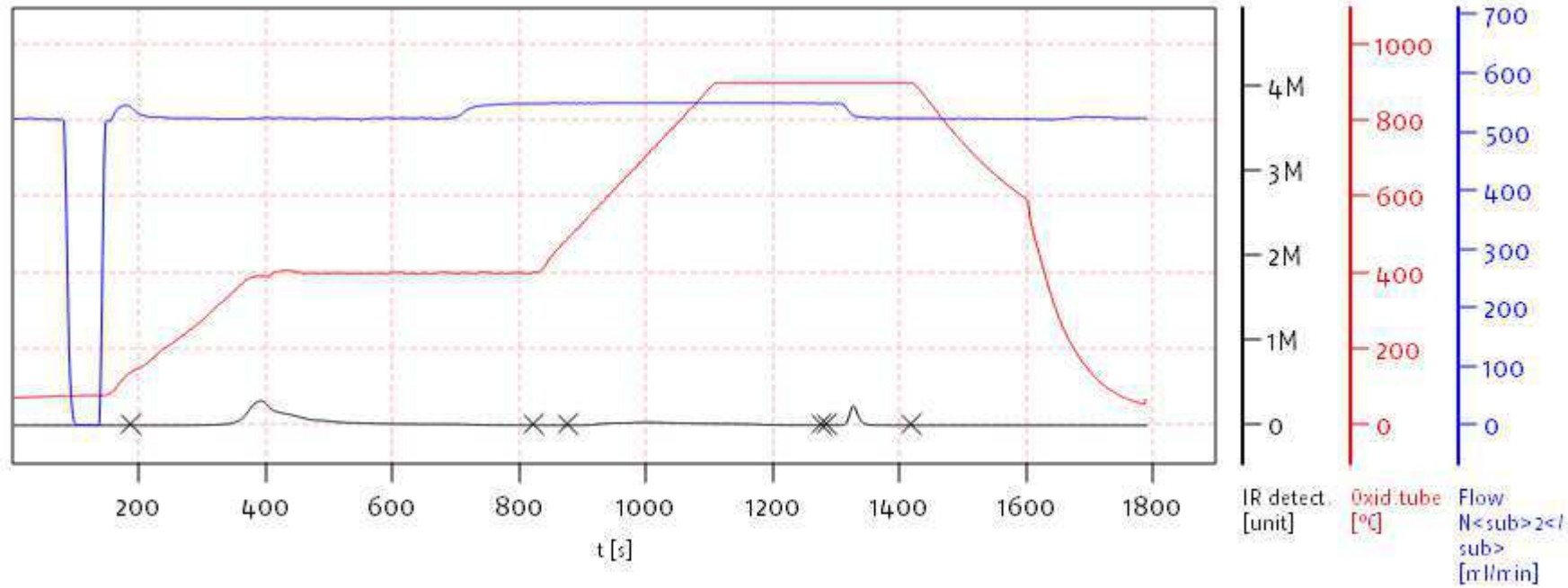
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	BKL0237-DUP1	206.60		CARBON	12/12/2022 2:17 PM	bl	0.752	971 122	0.923	0.086	141 685	254 112	0.666	0.171	0.9411	1.0000



Name:

Access: soliTOC superuser

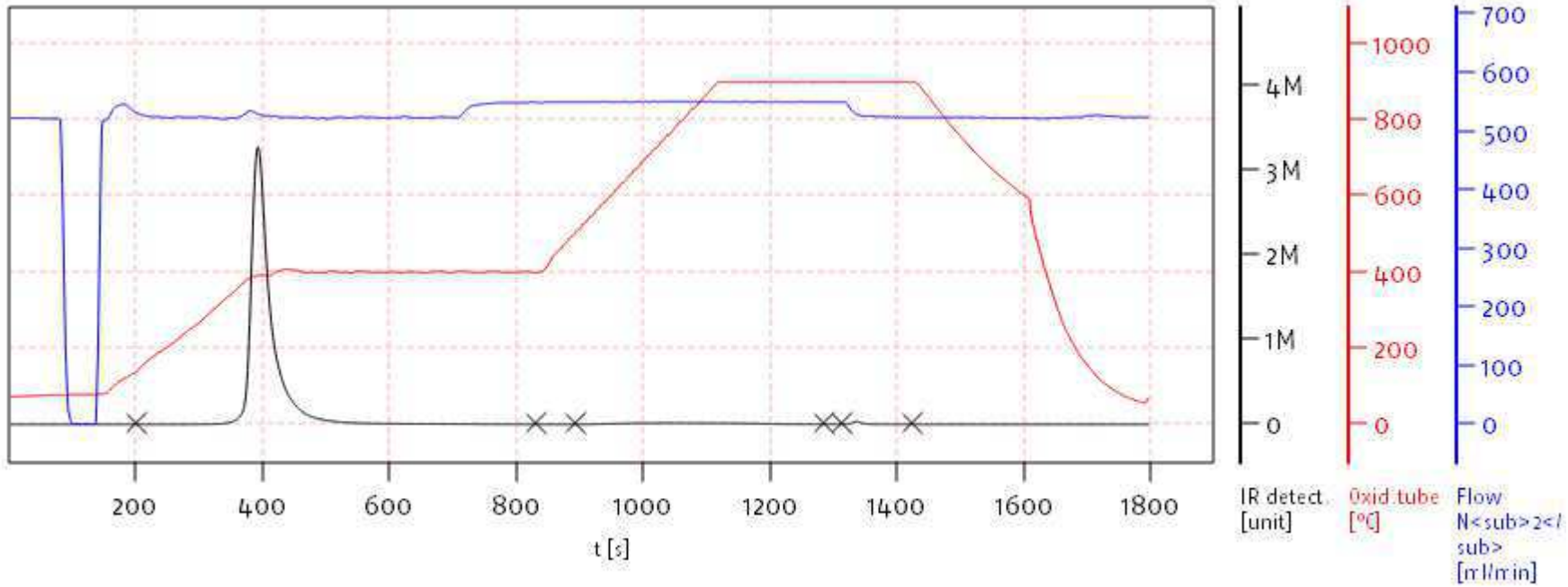
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	BKL0237-MS1	188.00	0.0104	CARBON	12/12/2022 2:47 PM	bl	3.381	4 389 710	3.476	0.000	23 846	141 512	3.381	0.095	0.9411	1.0000



Name:

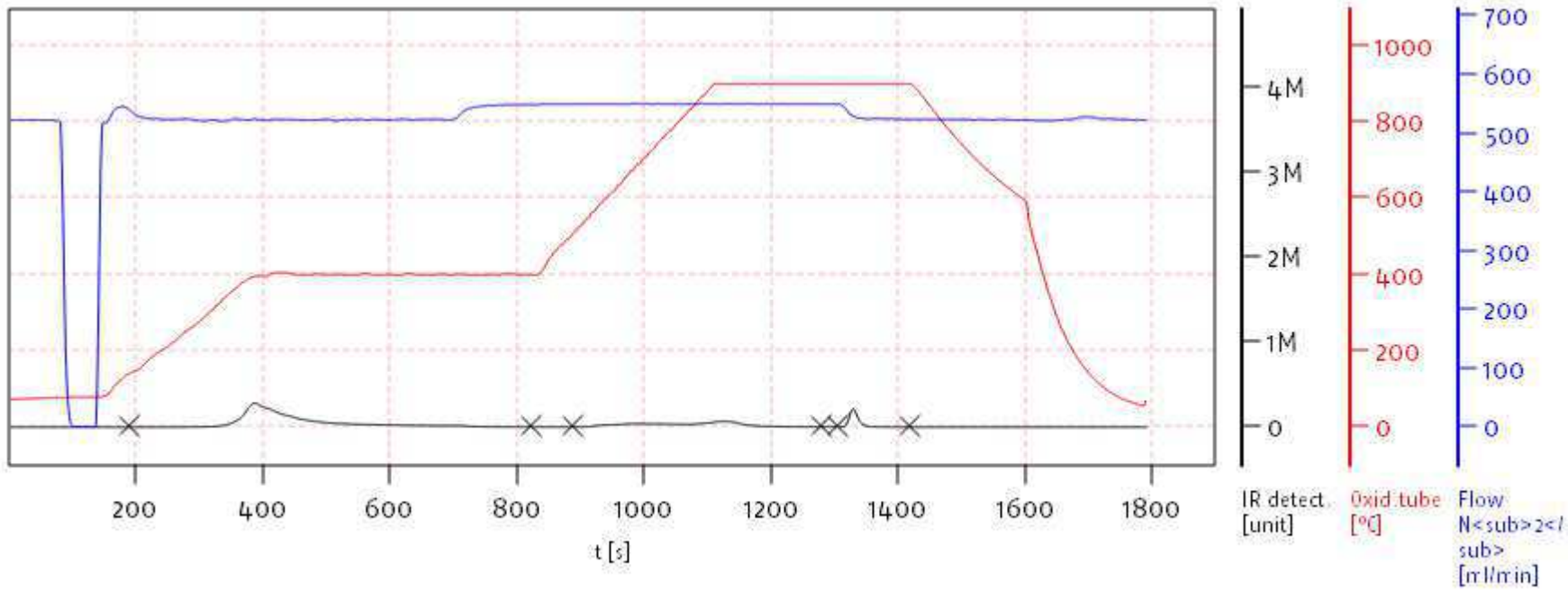
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22K0361-03	214.90		CARBON	12/12/2022 3:17 PM	bl	0.781	1 064 322	1.045	0.077	133 704	393 328	0.704	0.264	0.9411	1.0000



Name:

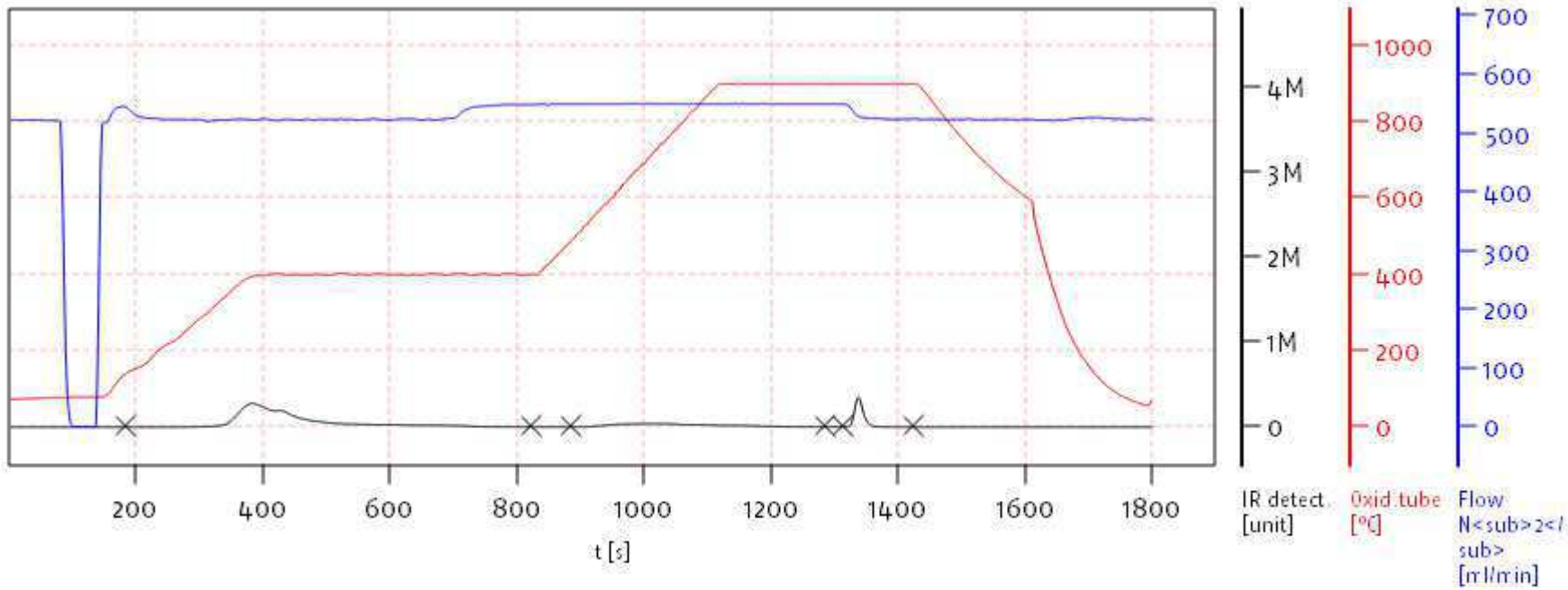
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22K0361-04	240.10		CARBON	12/12/2022 3:48 PM	bl	0.829	1 194 262	0.998	0.120	213 233	288 220	0.709	0.169	0.9411	1.0000



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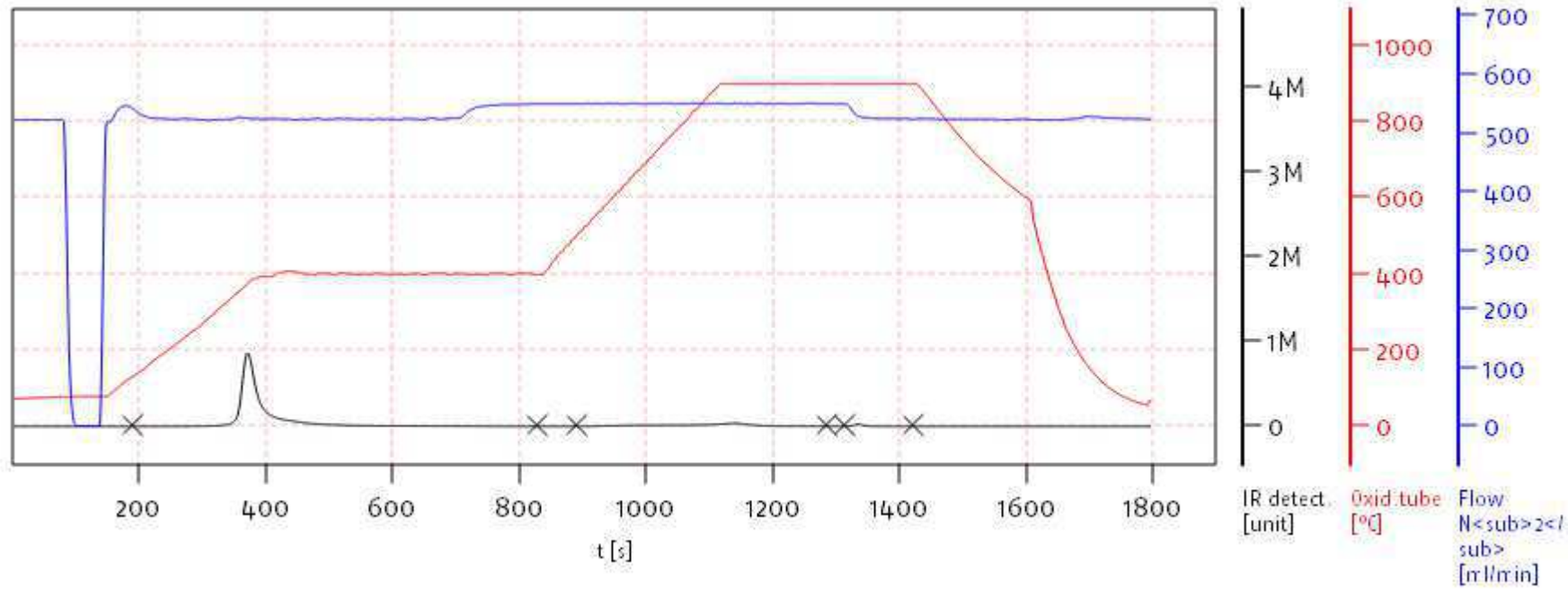
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0104-01	139.40		CARBON	12/12/2022 4:18 PM	bl	1.183	1 158 111	1.343	0.000	16 879	171 223	1.183	0.161	0.9411	1.0000



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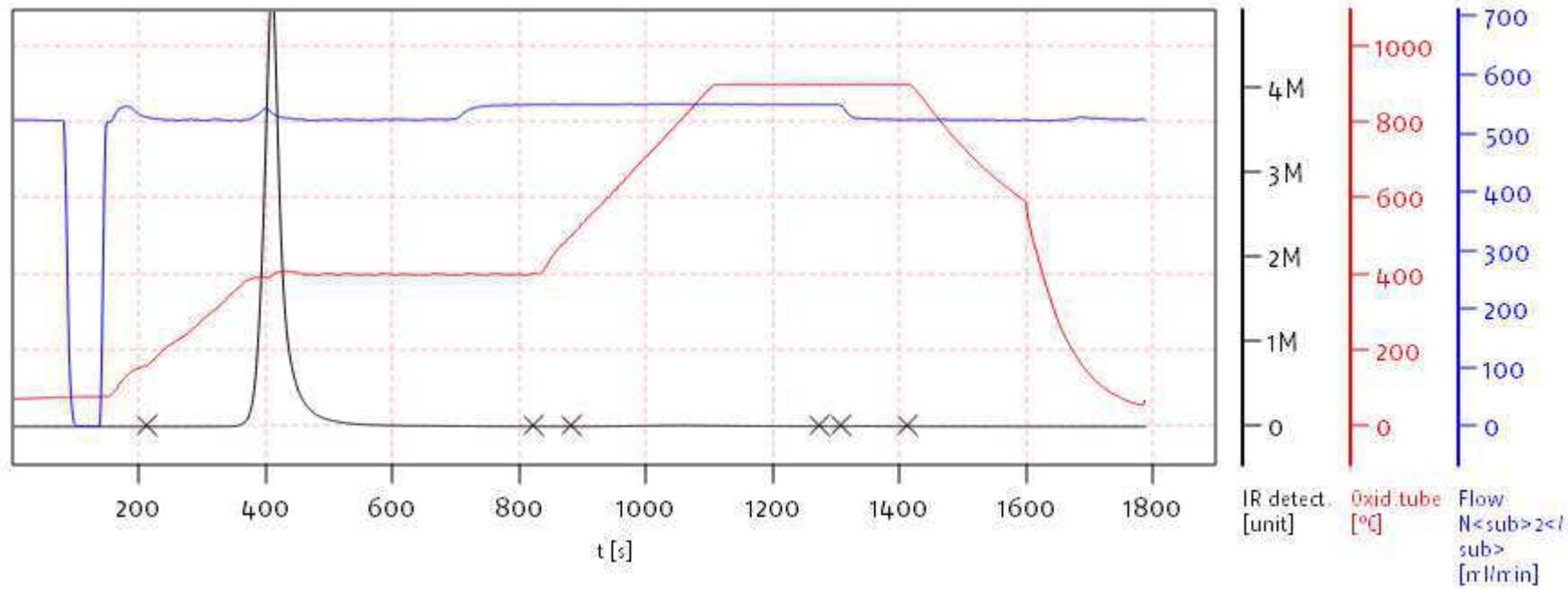
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0152-CCV1	21.00		CARBON	12/12/2022 4:48 PM	bl	44.768	6 479 730	45.322	0.000	14 687	101 675	44.768	0.554	0.9411	1.0000



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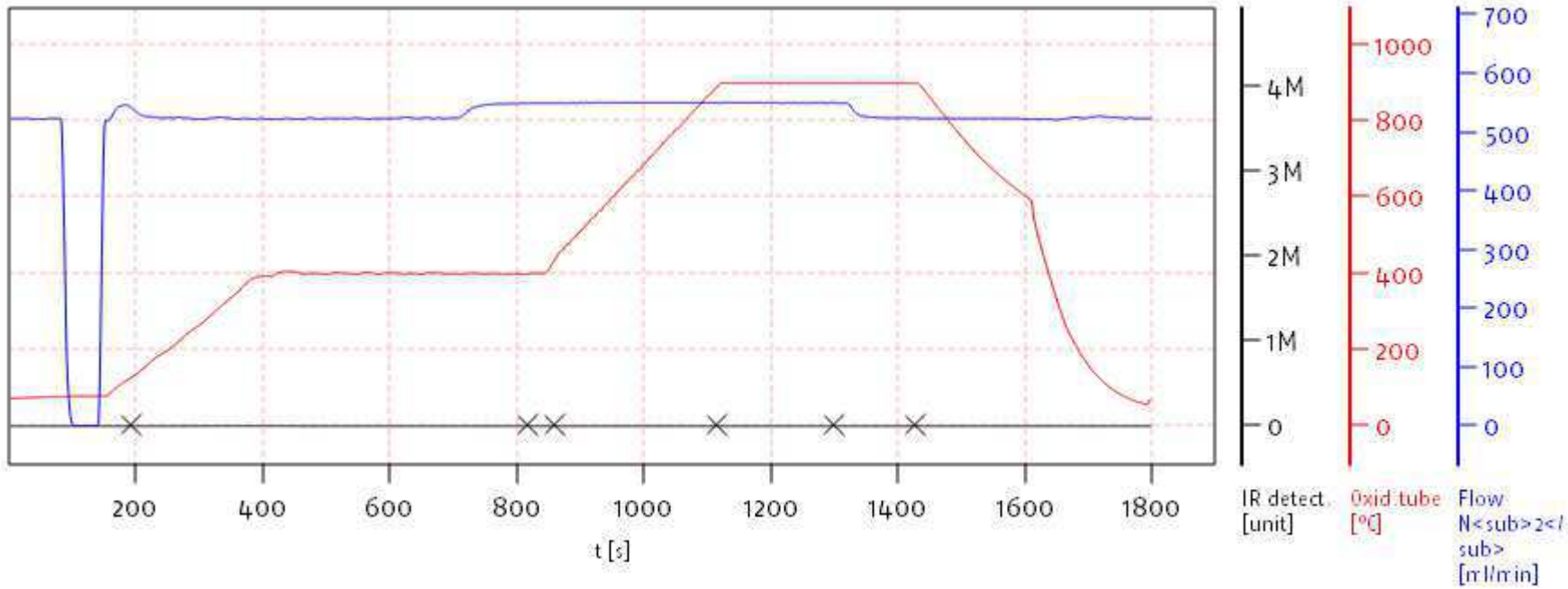
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0152-CCB1	533.30		CARBON	12/12/2022 5:19 PM	bl,C3u,C2u	0.000	12 032	0.000	0.000	285	521	0.000	0.000	0.9411	1.0000



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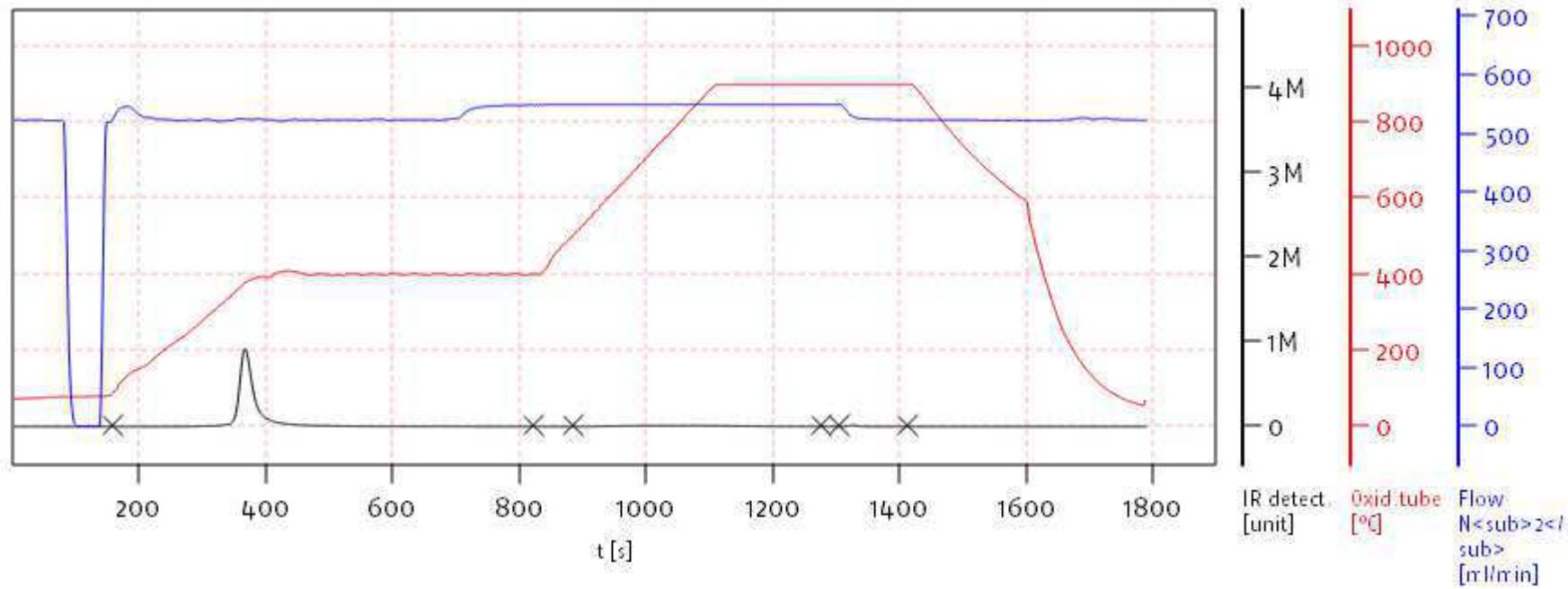
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	BKL0237-DUP2	124.10		CARBON	12/12/2022 5:49 PM	bl	1.149	1 004 999	1.228	0.000	10 630	89 814	1.149	0.079	0.9411	1.0000



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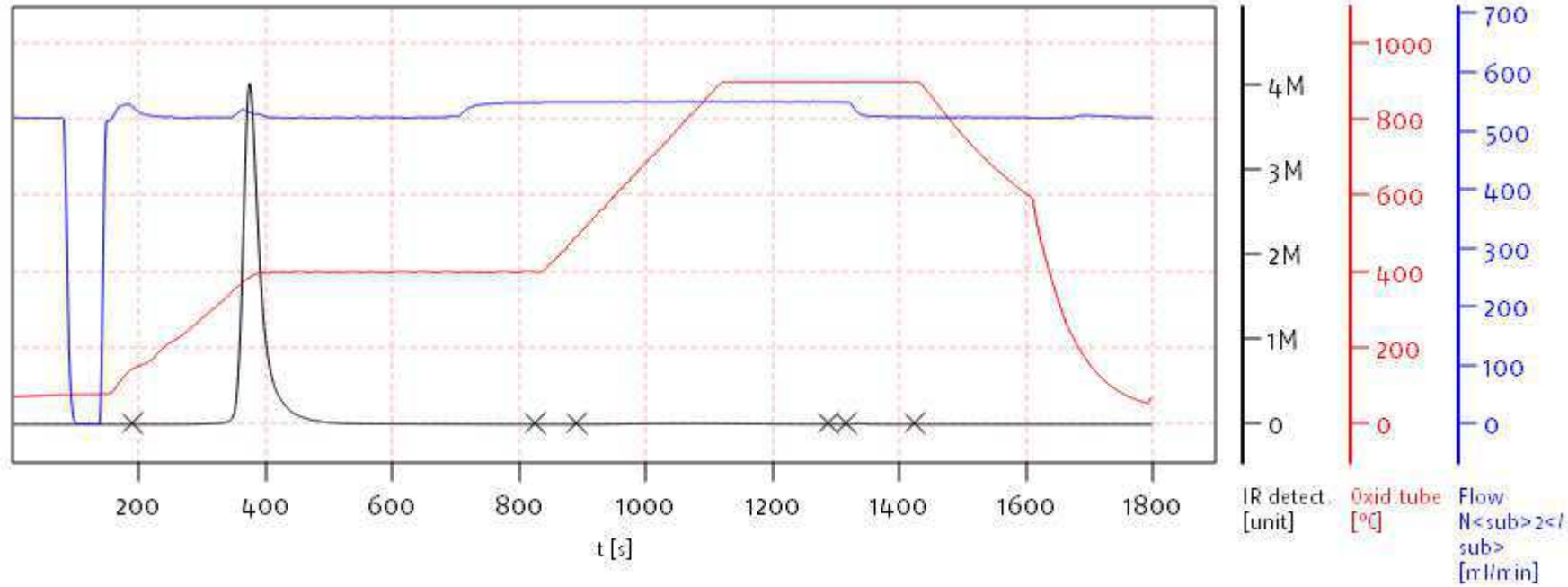
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 121222 DOE from: 12/16/2022 9:42 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	BKL0237-MS2	195.40	0.0108	CARBON	12/12/2022 6:19 PM	bl	3.678	4 959 747	3.726	0.000	8 557	87 282	3.678	0.048	0.9411	1.0000



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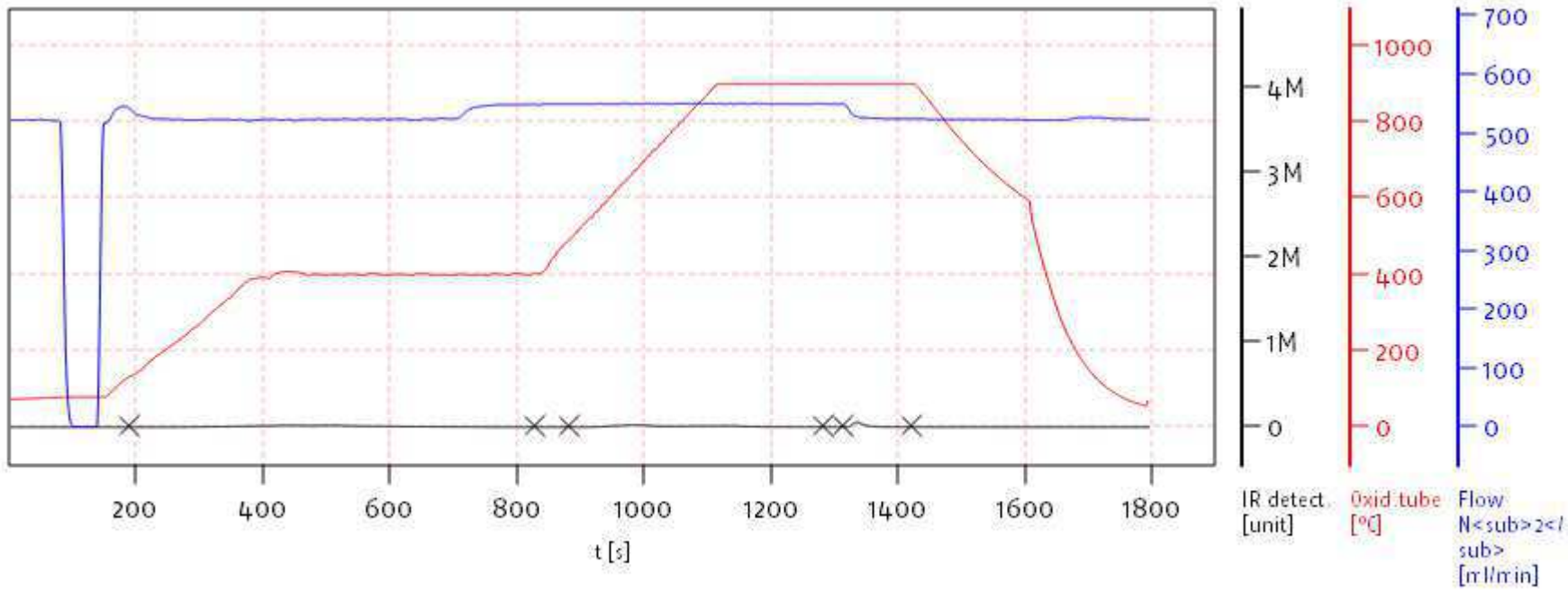
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	22L0104-02	504.20		CARBON	12/12/2022 6:49 PM	bl	0.050	176 947	0.082	0.006	47 437	130 635	0.043	0.032	0.9411	1.0000



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Mode CCC

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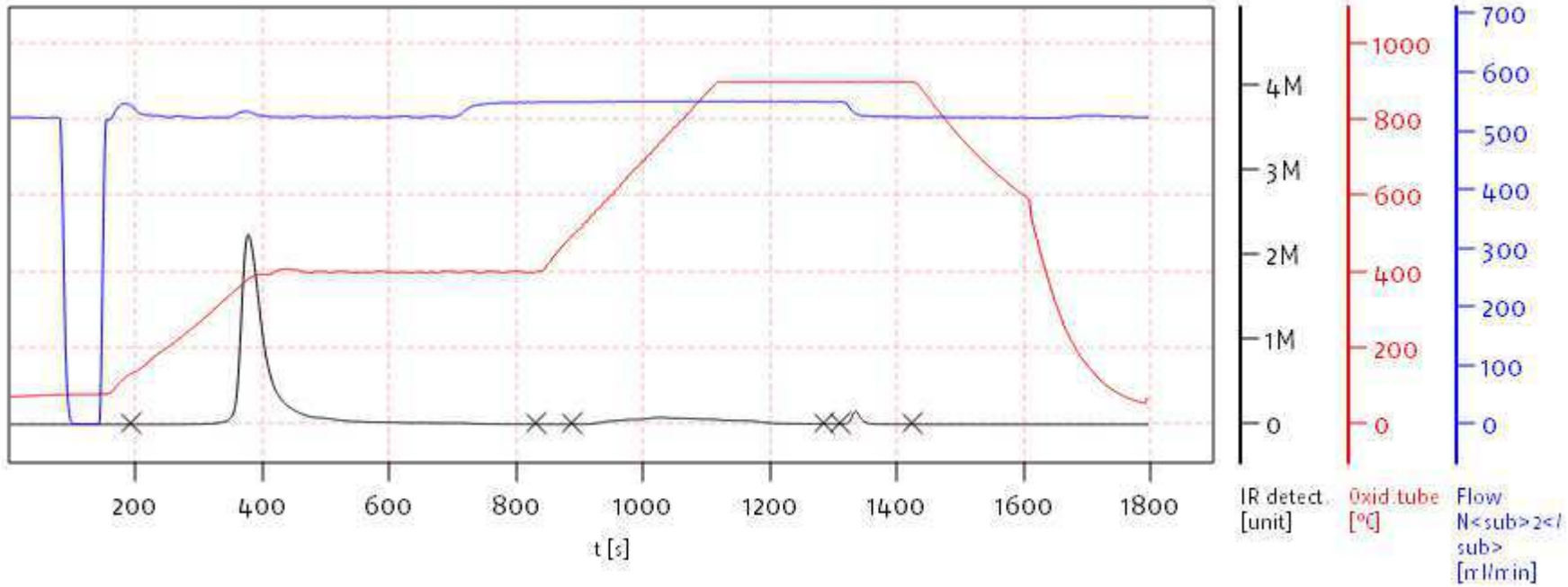
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	22L0198-01	502.90		CARBON	12/12/2022 7:20 PM	bl	1.117	3 803 866	1.291	0.023	101 038	591 586	1.094	0.174	0.9411	1.0000



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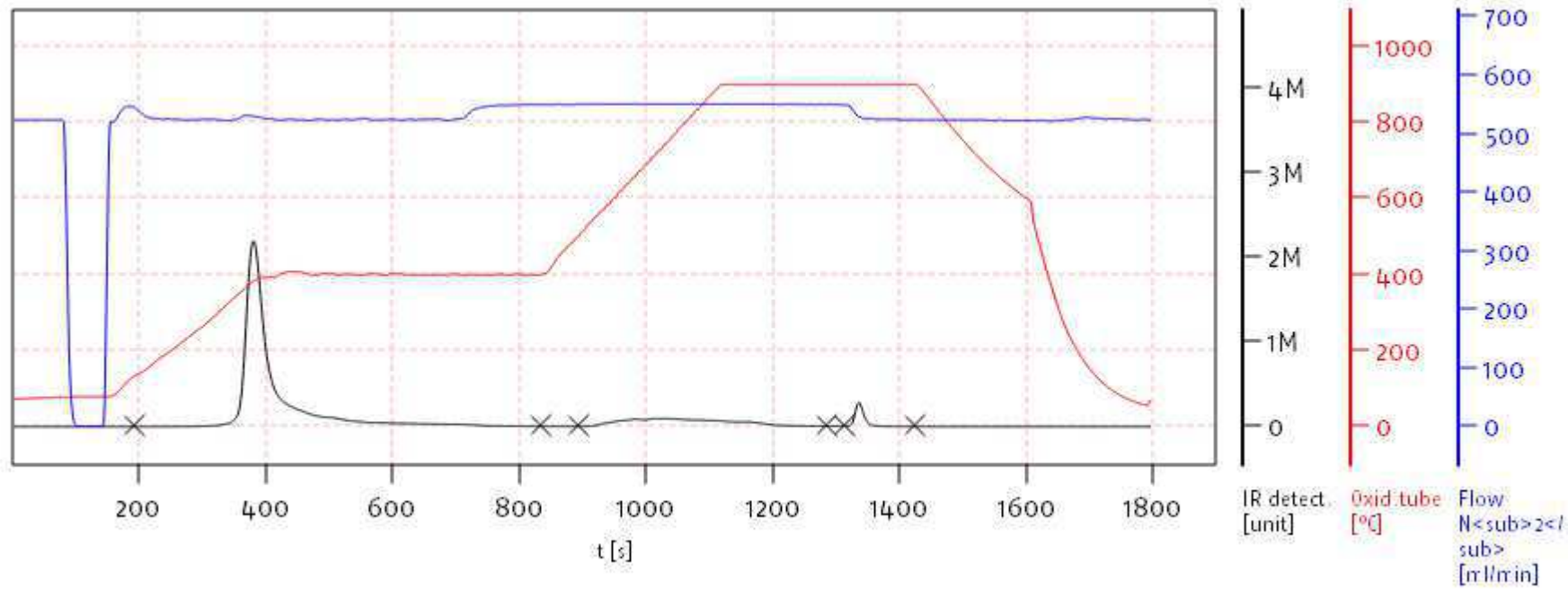
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	BKL0237-DUP3	523.40		CARBON	12/12/2022 7:50 PM	bl	1.079	3 743 847	1.292	0.045	177 354	745 408	1.035	0.213	0.9411	1.0000



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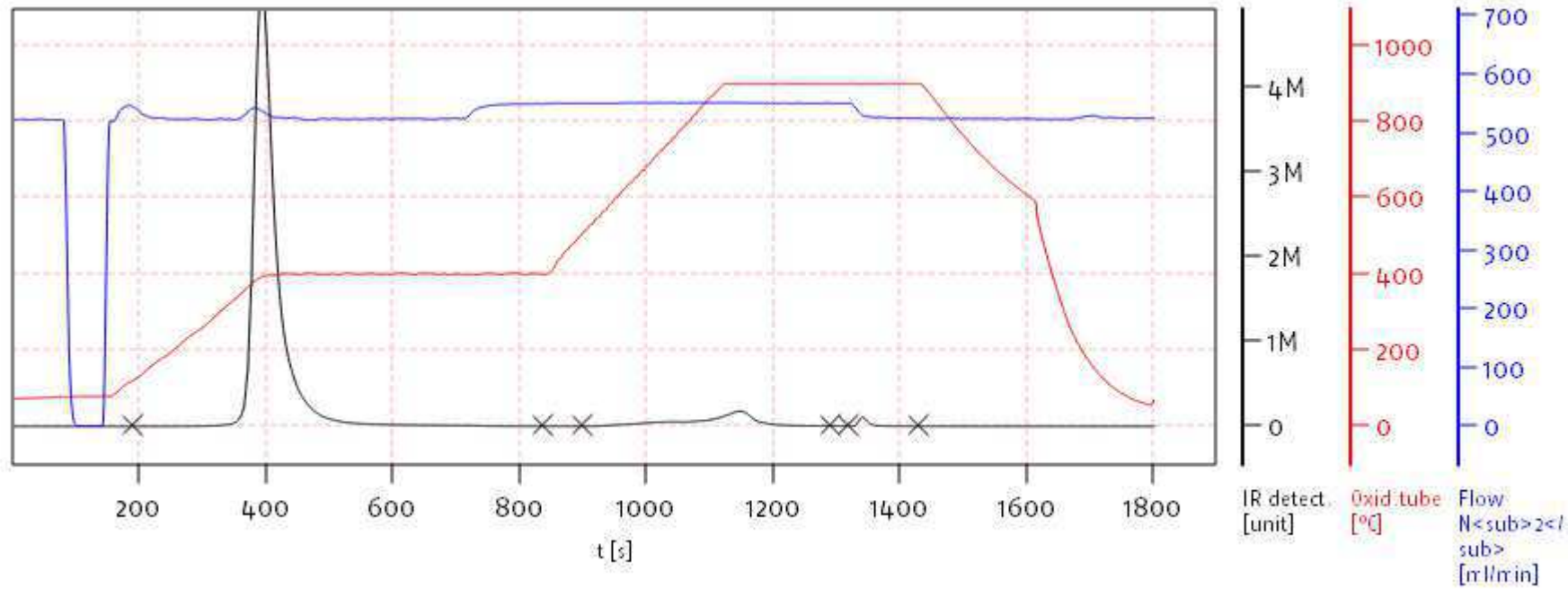
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	BKL0237-MS3	539.10	0.0109	CARBON	12/12/2022 8:21 PM	bl	2.171	8 009 333	2.364	0.014	75 327	696 712	2.157	0.192	0.9411	1.0000



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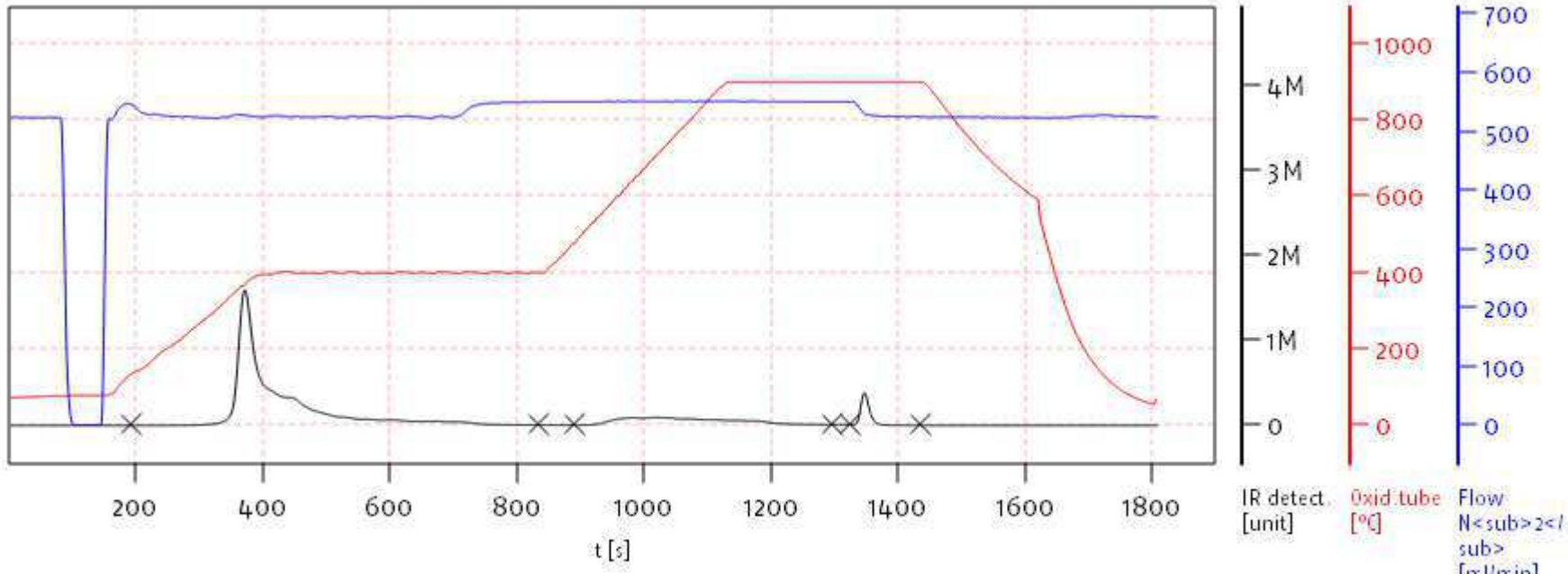
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	22L0198-02	531.30		CARBON	12/12/2022 8:51 PM	bl	0.996	3 435 898	1.213	0.061	236 546	771 541	0.935	0.217	0.9411	1.0000



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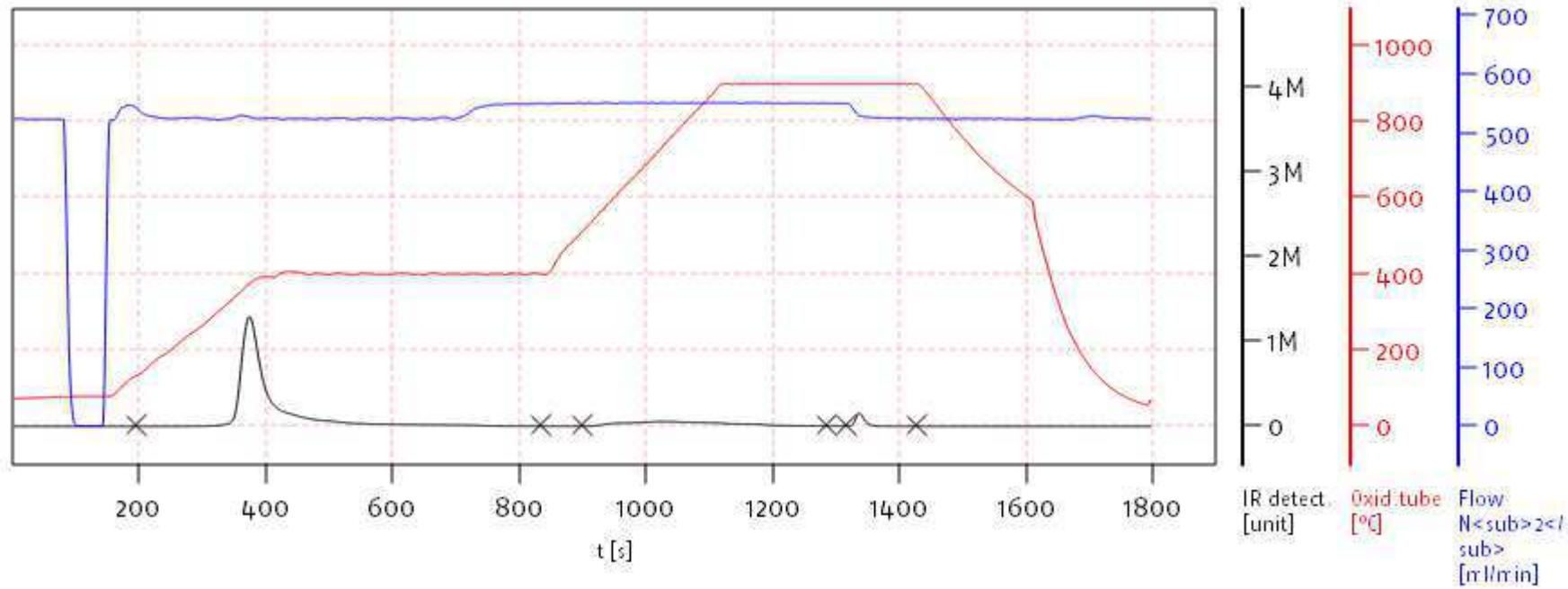
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	22L0198-03	314.50		CARBON	12/12/2022 9:21 PM	bl	1.119	2 366 968	1.316	0.034	96 577	428 001	1.084	0.198	0.9411	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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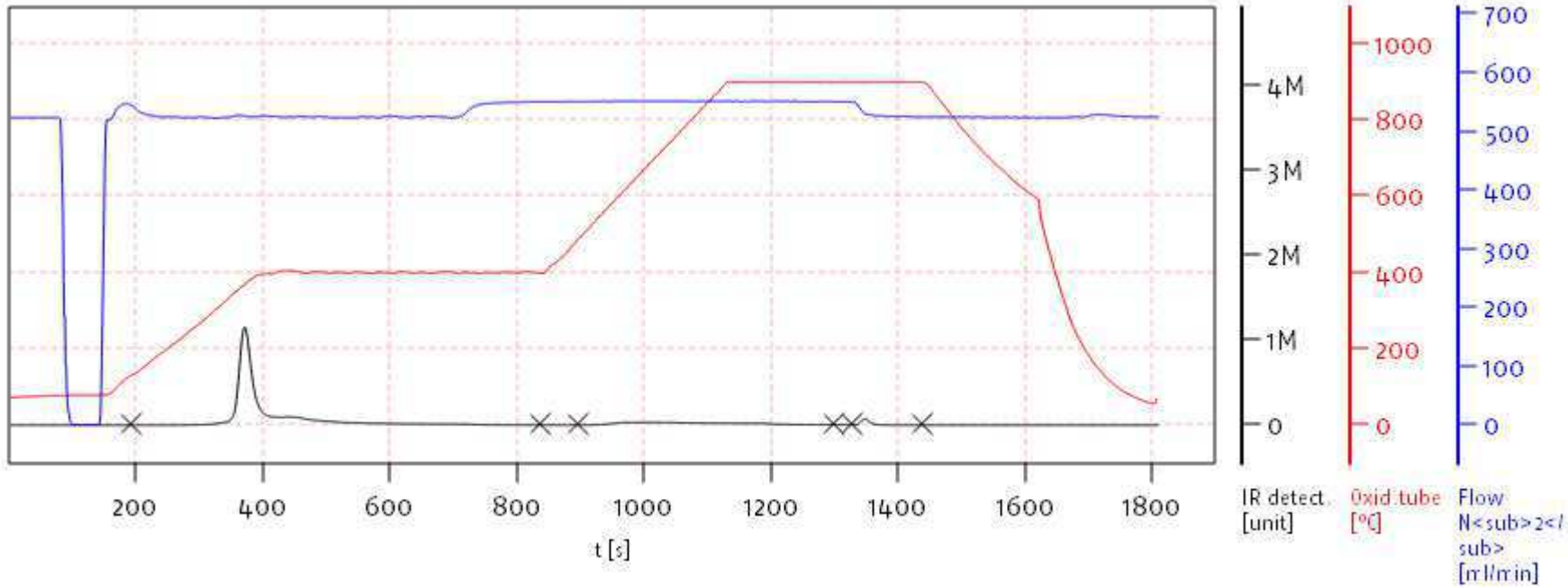
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	22L0198-04	231.50		CARBON	12/12/2022 9:52 PM	bl	0.981	1 563 261	1.151	0.014	47 900	279 681	0.967	0.169	0.9411	1.0000



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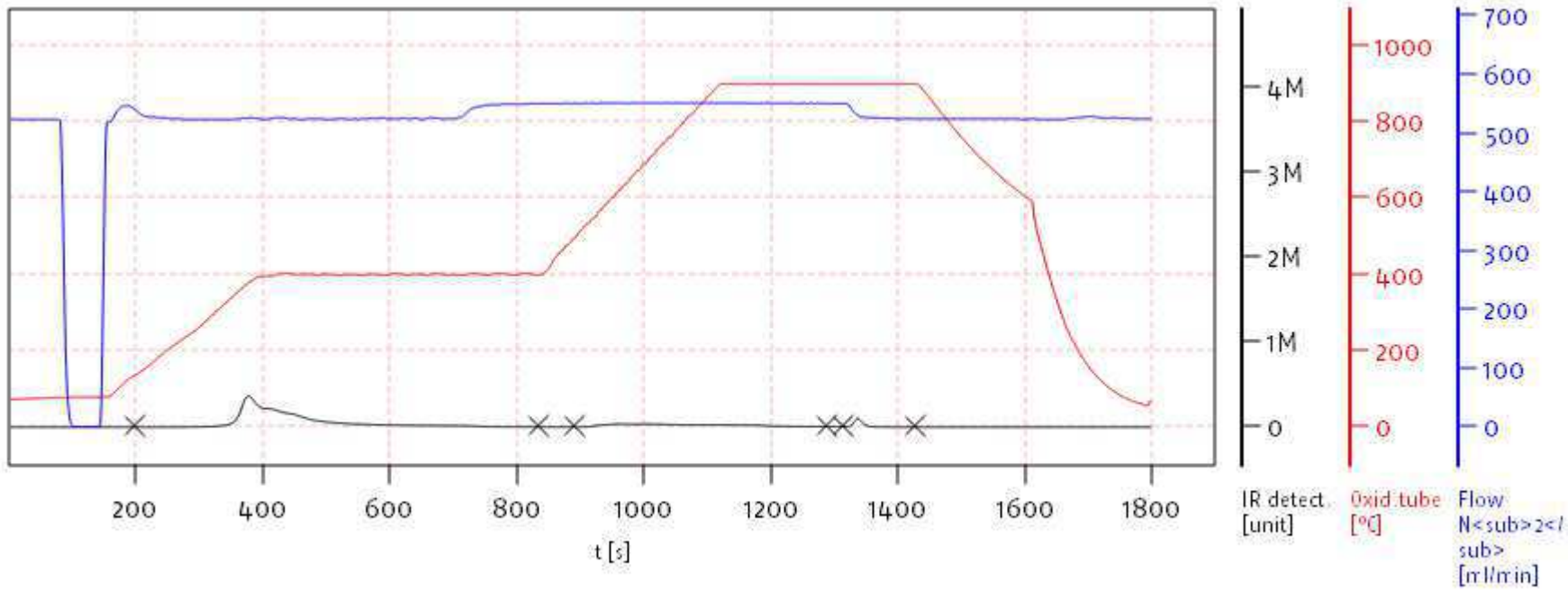
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0198-05	219.90		CARBON	12/12/2022 10:22 PM	bl	0.834	1 244 901	1.039	0.027	64 935	316 824	0.807	0.204	0.9411	1.0000



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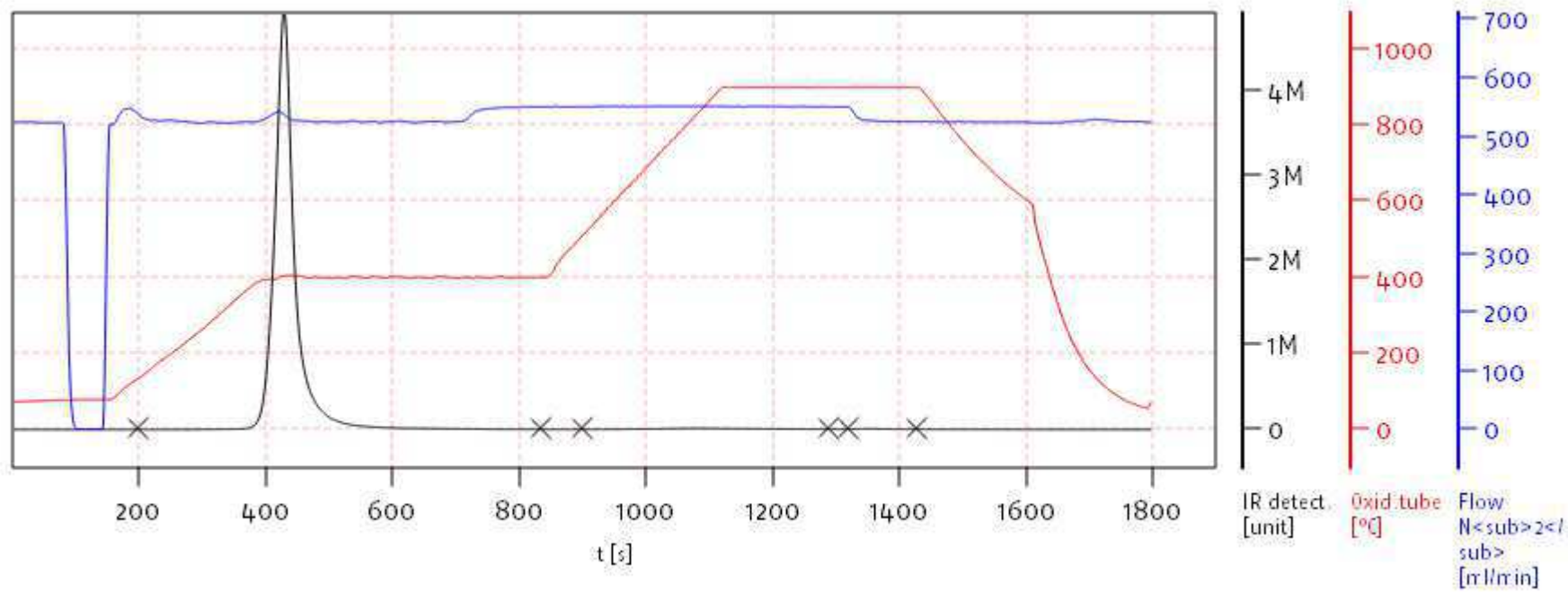
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0152-CCV2	22.00		CARBON	12/12/2022 10:53 PM	bl	44.623	6 765 118	45.198	0.000	23 370	108 350	44.623	0.576	0.9411	1.0000



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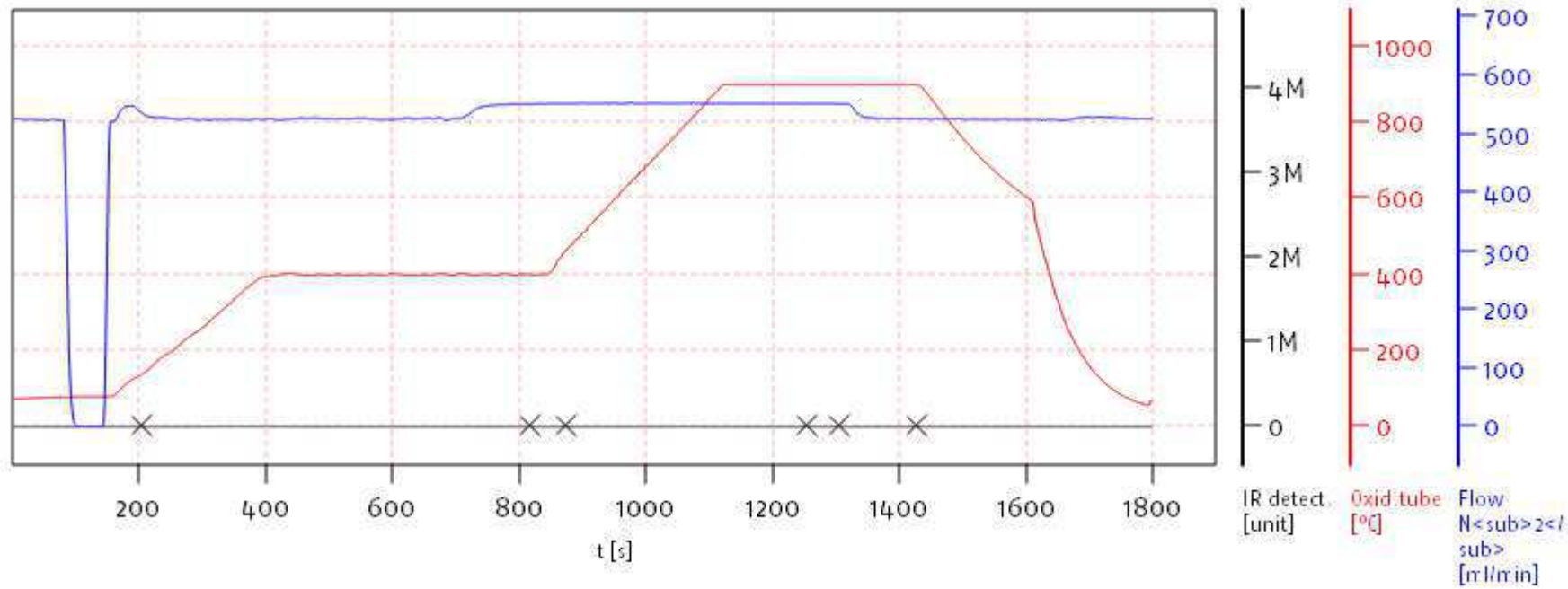
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0152-CCB2	550.80		CARBON	12/12/2022 11:23 PM	bl,C3u,C2u	0.000	8 348	0.000	0.000	260	2 327	0.000	0.000	0.9411	1.0000



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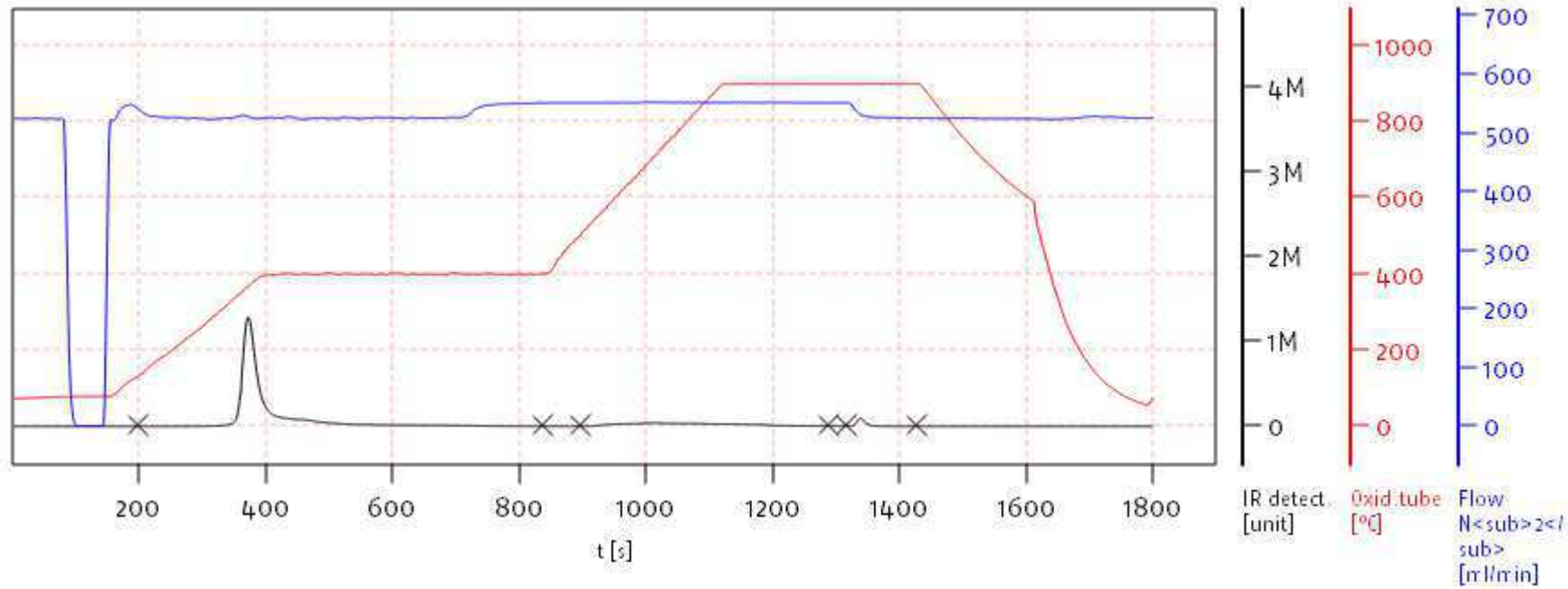
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	22L0198-06	234.40		CARBON	12/12/2022 11:53 PM	bl	1.080	1 728 861	1.272	0.022	59 390	317 900	1.058	0.192	0.9411	1.0000



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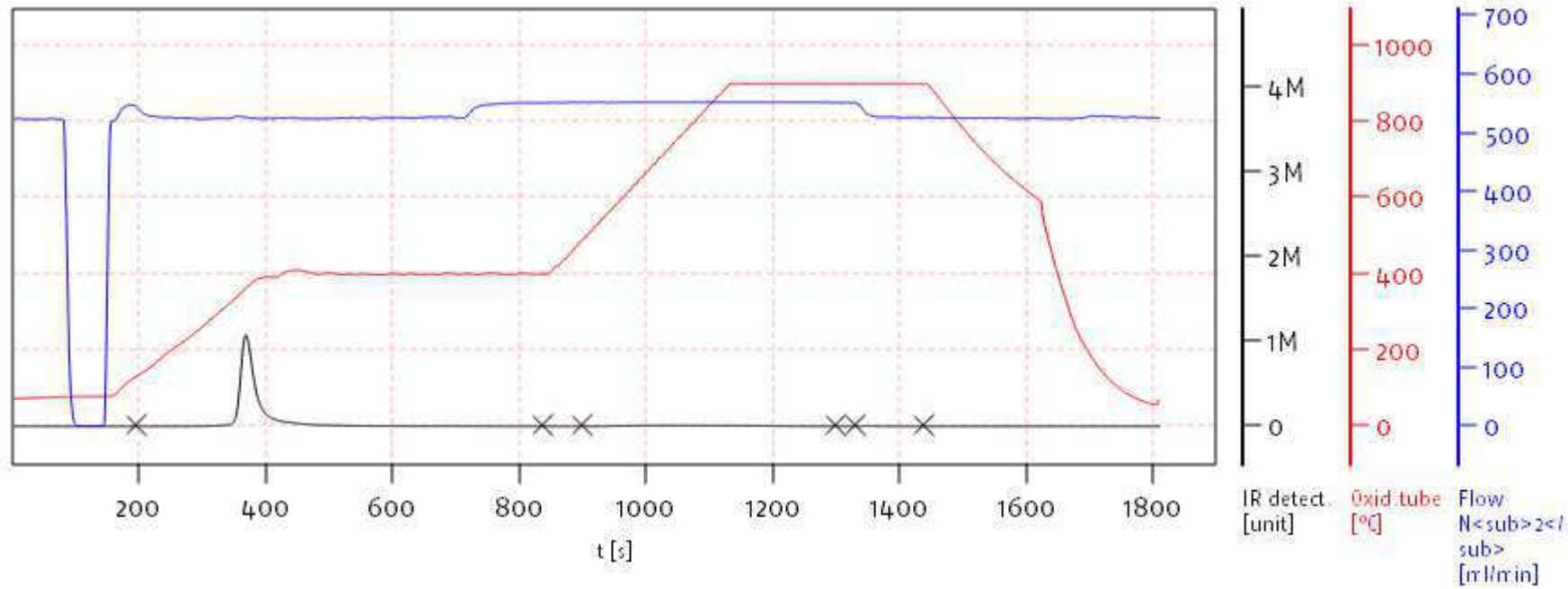
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	22L0198-07	140.40		CARBON	12/13/2022 12:24 AM	bl	1.244	1 225 795	1.309	0.000	4 587	85 204	1.244	0.065	0.9411	1.0000



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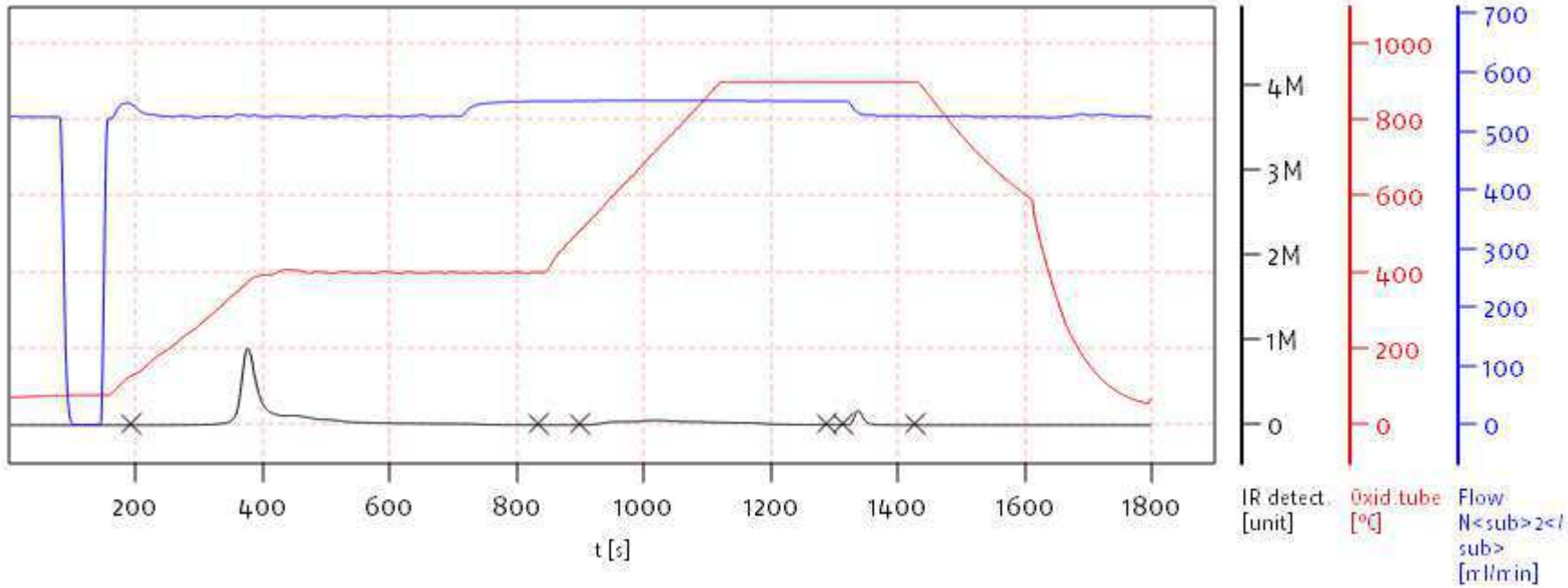
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0198-08	235.60		CARBON	12/13/2022 12:54 AM	bl	1.024	1 594 778	1.271	0.055	109 865	401 866	0.970	0.247	0.9411	1.0000



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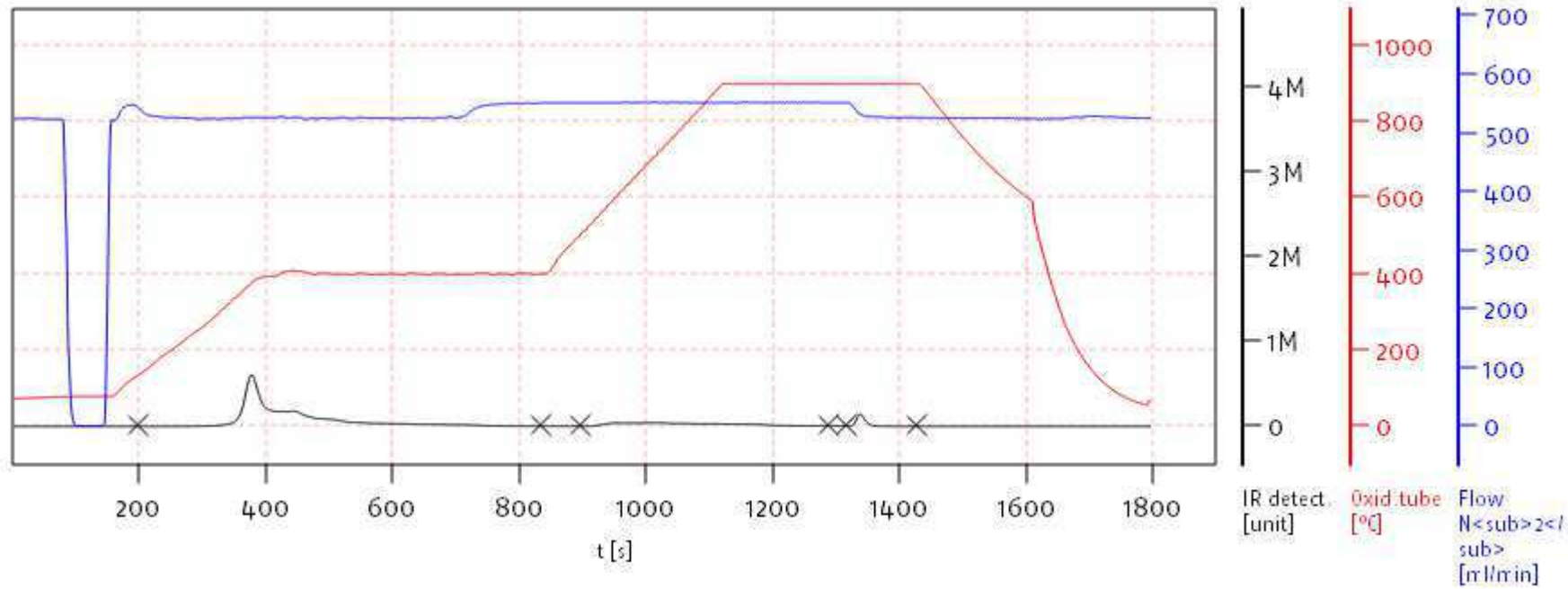
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0198-09	226.50		CARBON	12/13/2022 1:25 AM	bl	1.009	1 527 826	1.232	0.044	90 309	352 268	0.966	0.223	0.9411	1.0000



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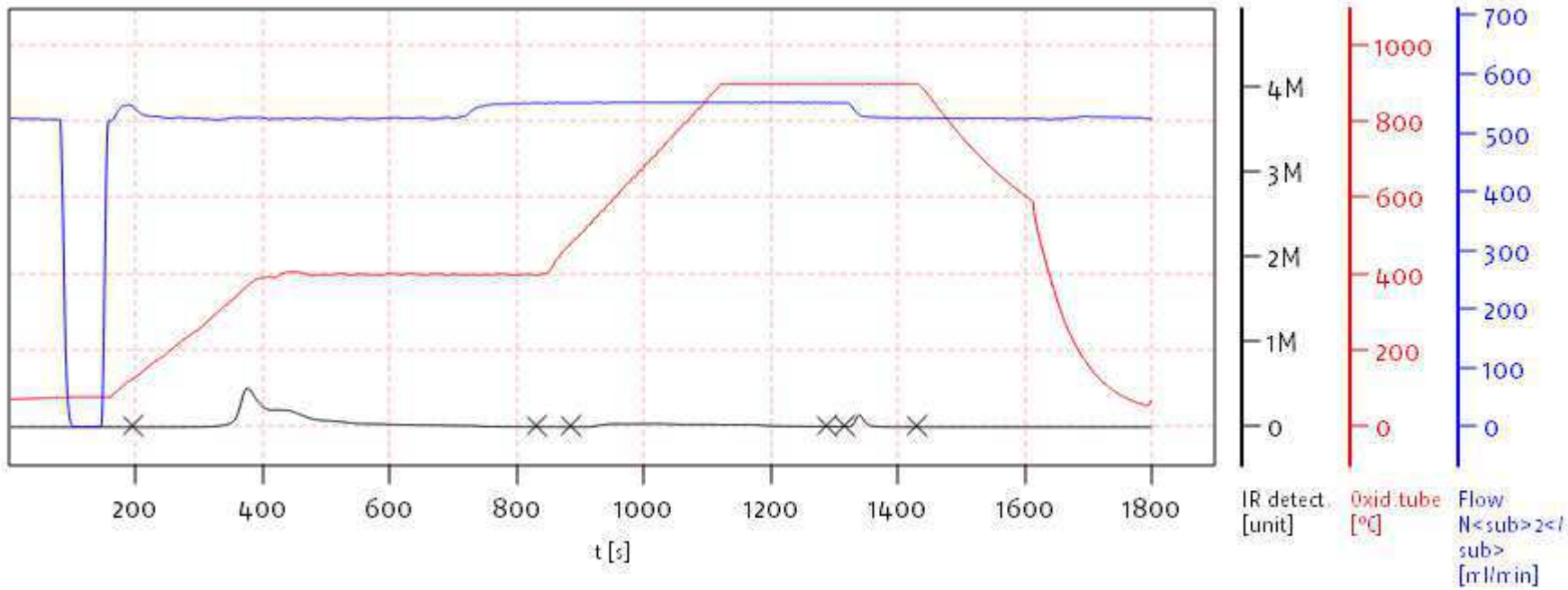
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0198-10	228.10		CARBON	12/13/2022 1:55 AM	bl	0.971	1 476 714	1.192	0.045	92 967	352 033	0.926	0.221	0.9411	1.0000



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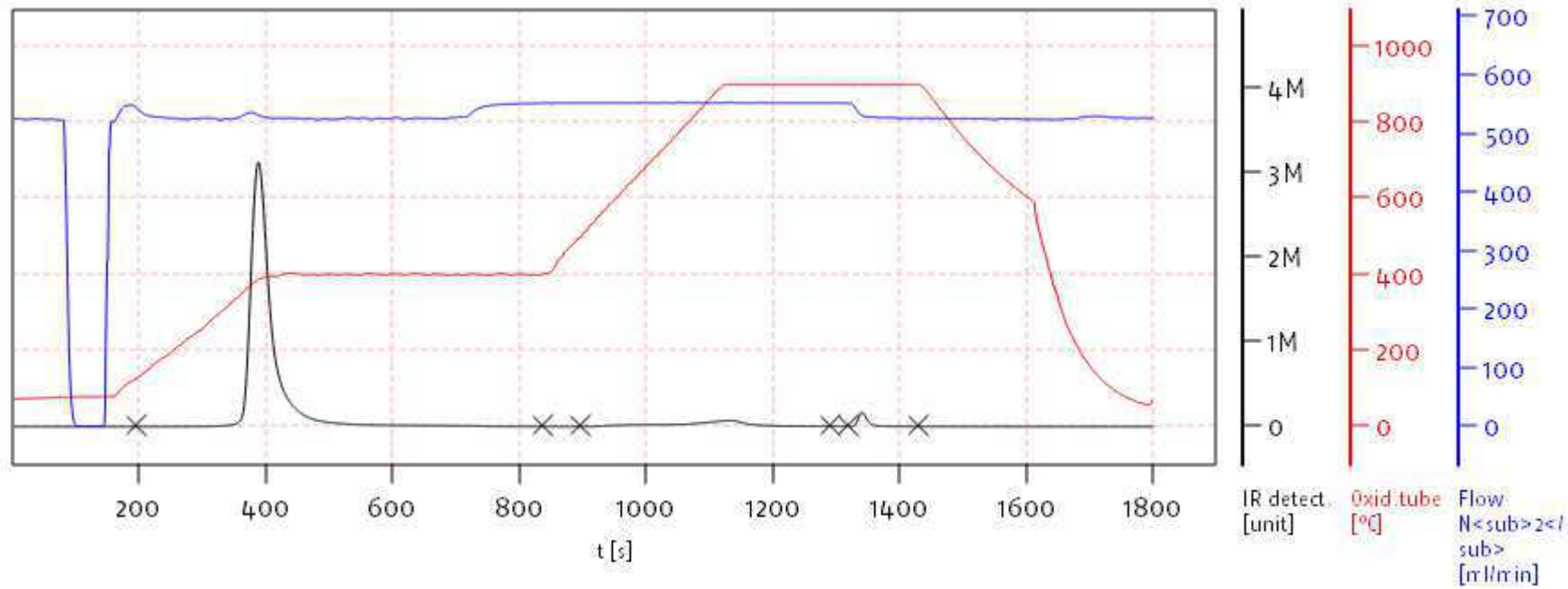
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22K0399-05RE1	199.30		CARBON	12/13/2022 2:26 AM	bl	3.296	4 447 439	3.535	0.065	109 615	333 833	3.232	0.239	0.9411	1.0000



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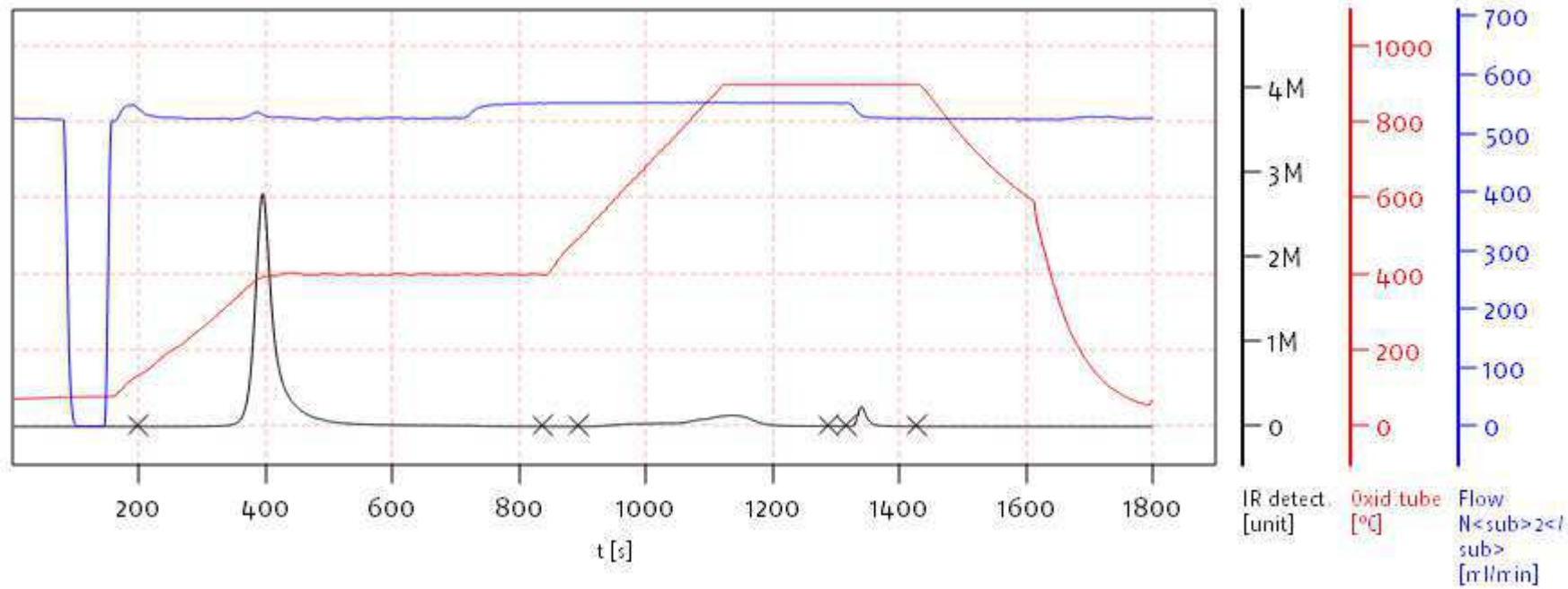
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	22K0399-06RE1	253.90		CARBON	12/13/2022 2:56 AM	bl	2.323	3 935 637	2.697	0.080	157 290	639 836	2.243	0.374	0.9411	1.0000



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Mode CCC

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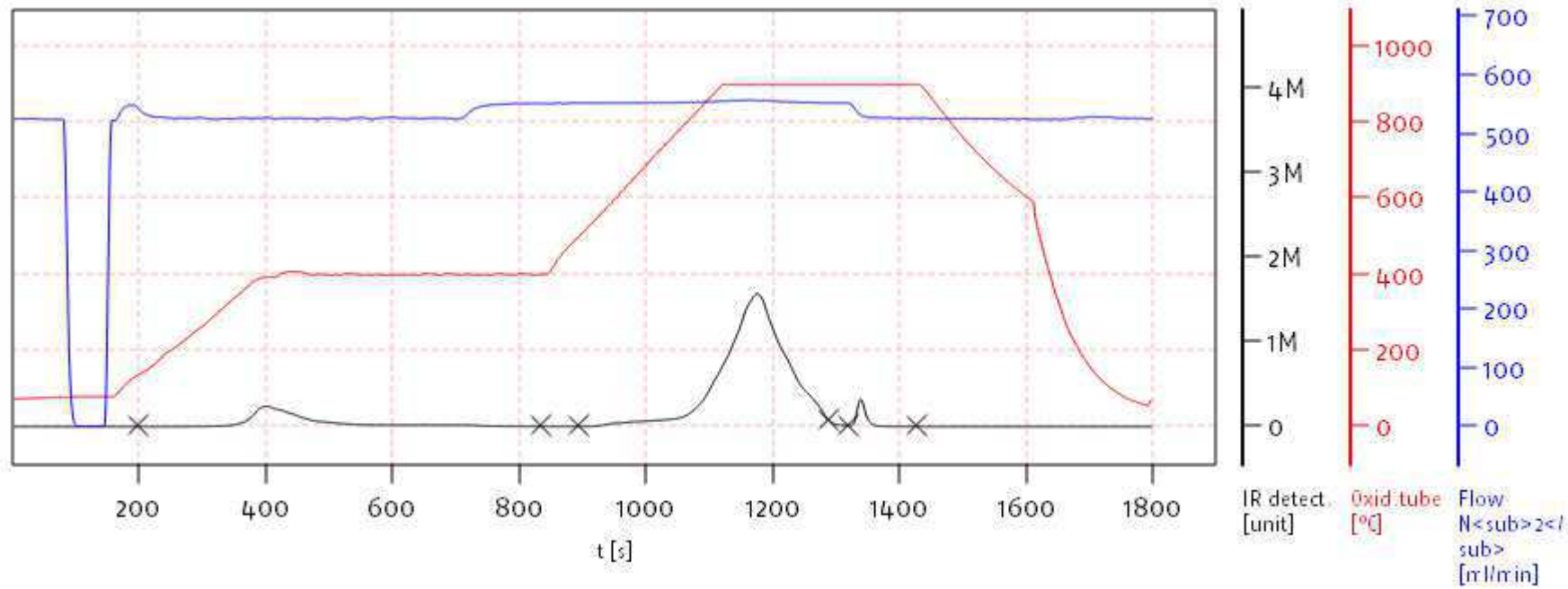
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	22K0399-07RE1	209.60		CARBON	12/13/2022 3:26 AM	bl	0.766	946 104	5.657	0.126	197 652	6 649 996	0.639	4.892	0.9411	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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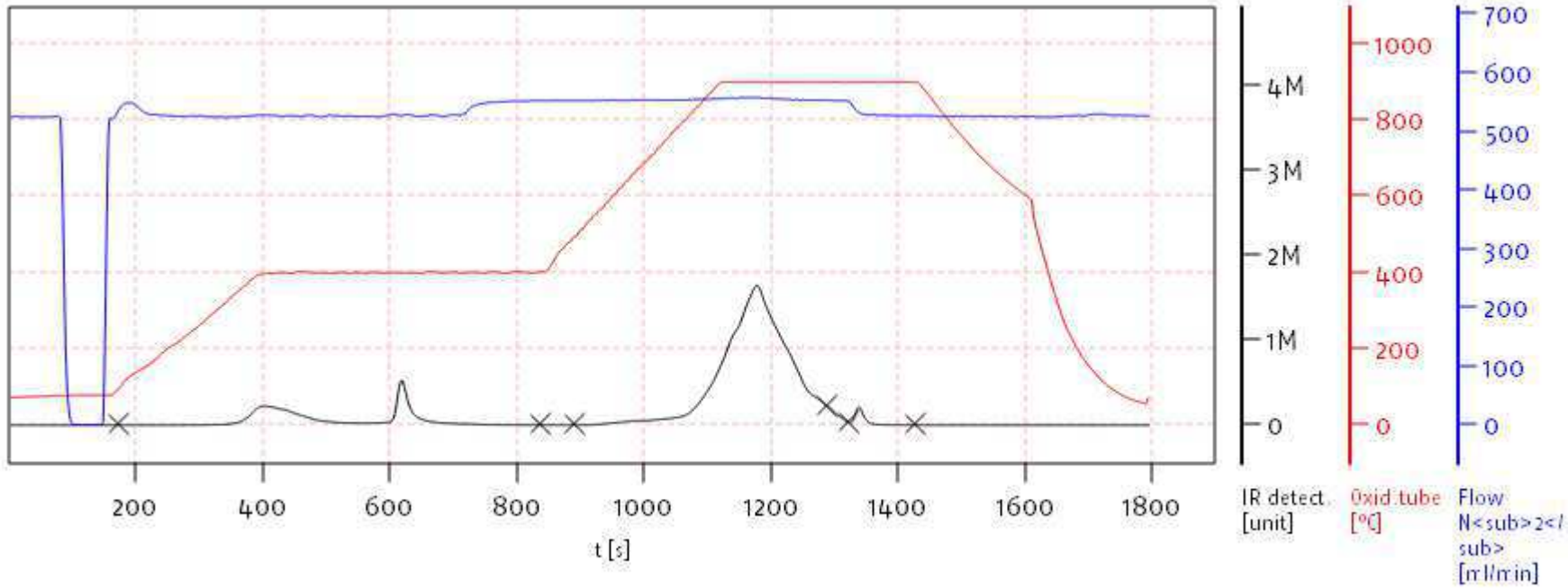
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	22K0399-09RE1	214.00		CARBON	12/13/2022 3:57 AM	bl	0.993	1 364 916	6.020	0.081	139 161	6 976 495	0.911	5.027	0.9411	1.0000



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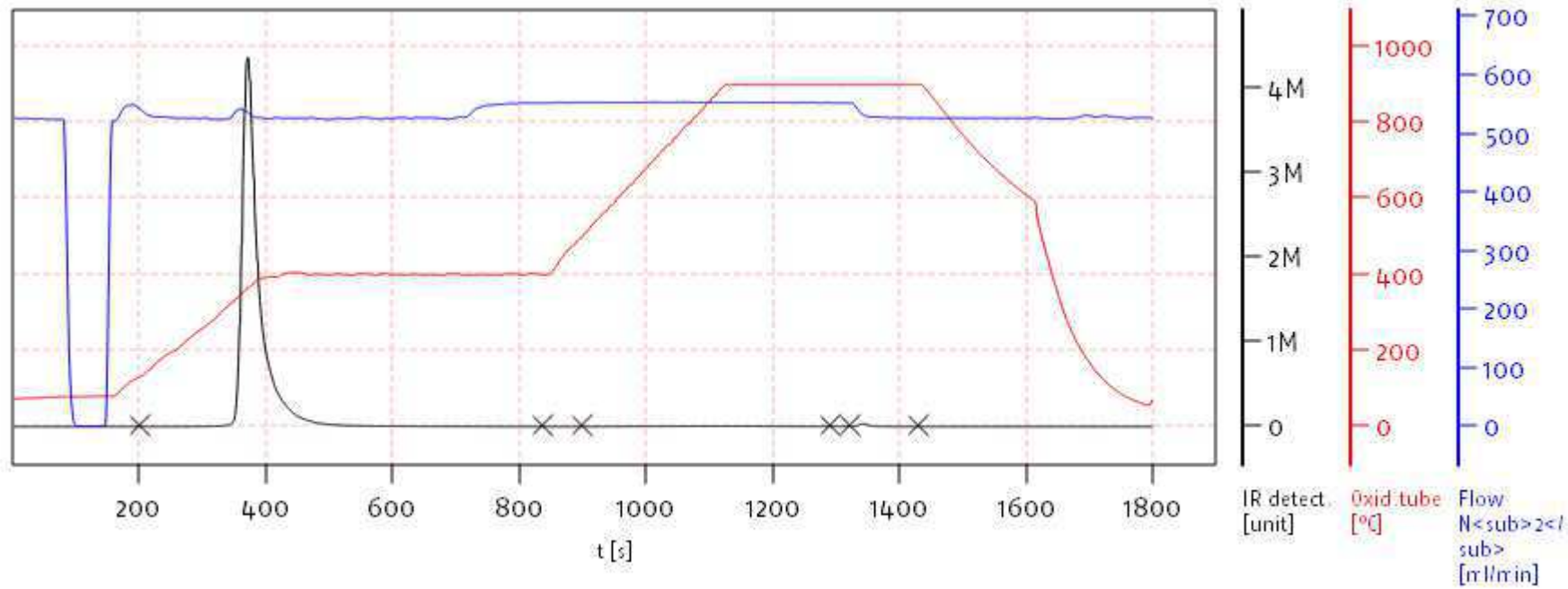
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	22K0399-11RE1	114.20		CARBON	12/13/2022 4:27 AM	bl	6.417	5 057 111	6.454	0.000	24 419	53 588	6.417	0.037	0.9411	1.0000



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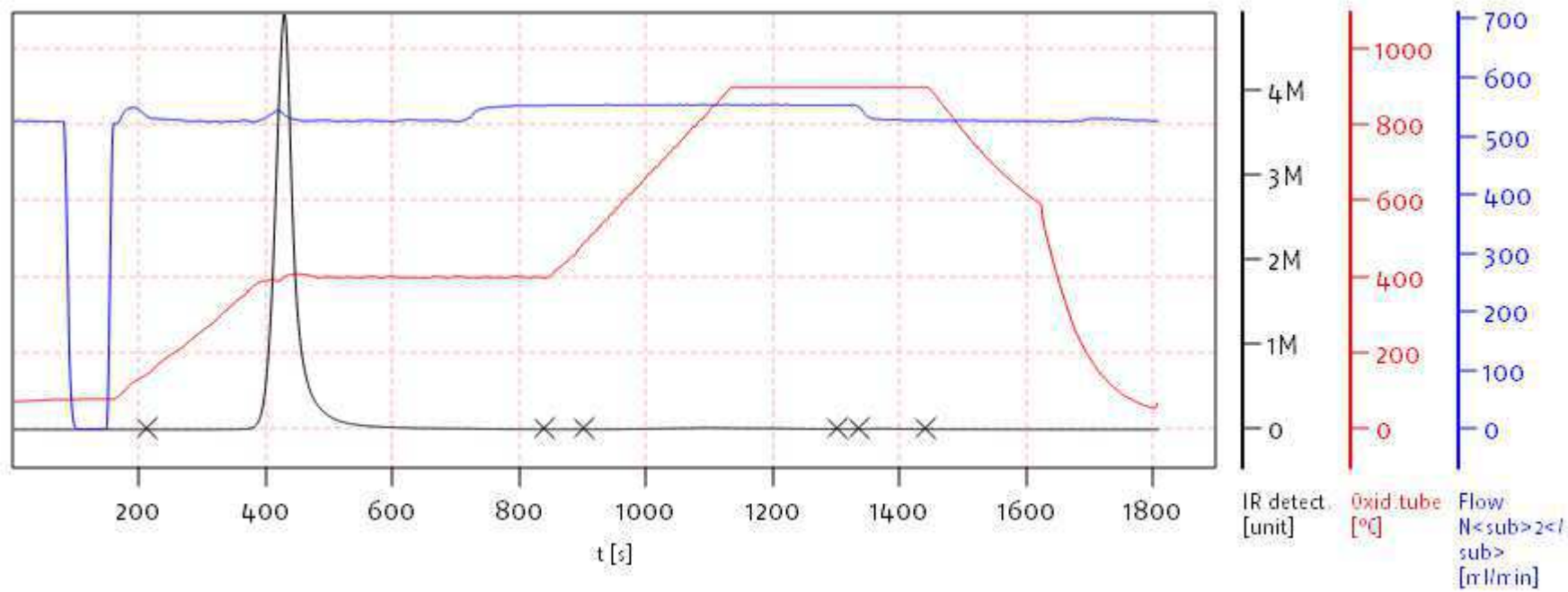
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0152-CCV3	22.40		CARBON	12/13/2022 4:57 AM	bl	44.066	6 802 011	44.920	0.000	25 432	150 099	44.066	0.854	0.9411	1.0000



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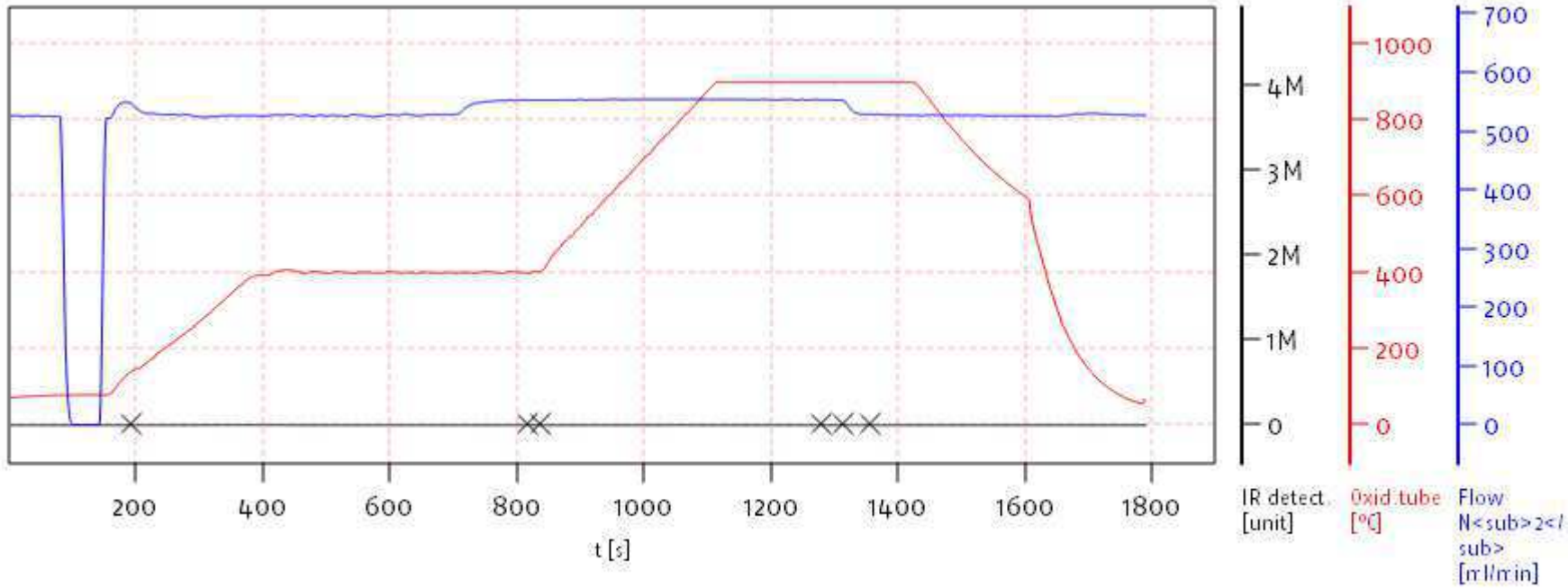
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0152-CCB3	512.70		CARBON	12/13/2022 5:28 AM	bl,C2u	0.000	9 397	0.000	0.000	267	2 995	0.000	0.000	0.9411	1.0000



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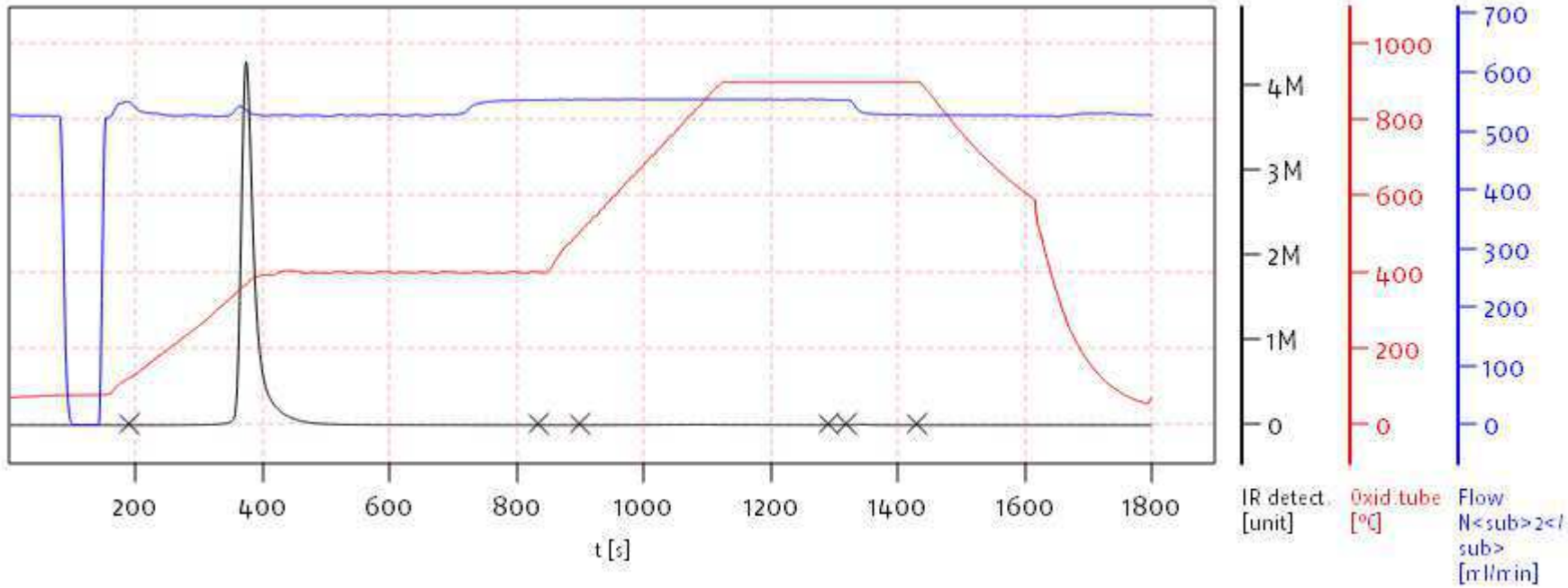
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22K0399-19RE1	91.20		CARBON	12/13/2022 5:58 AM	bl	6.432	4 052 944	6.460	0.000	8 496	42 928	6.432	0.028	0.9411	1.0000



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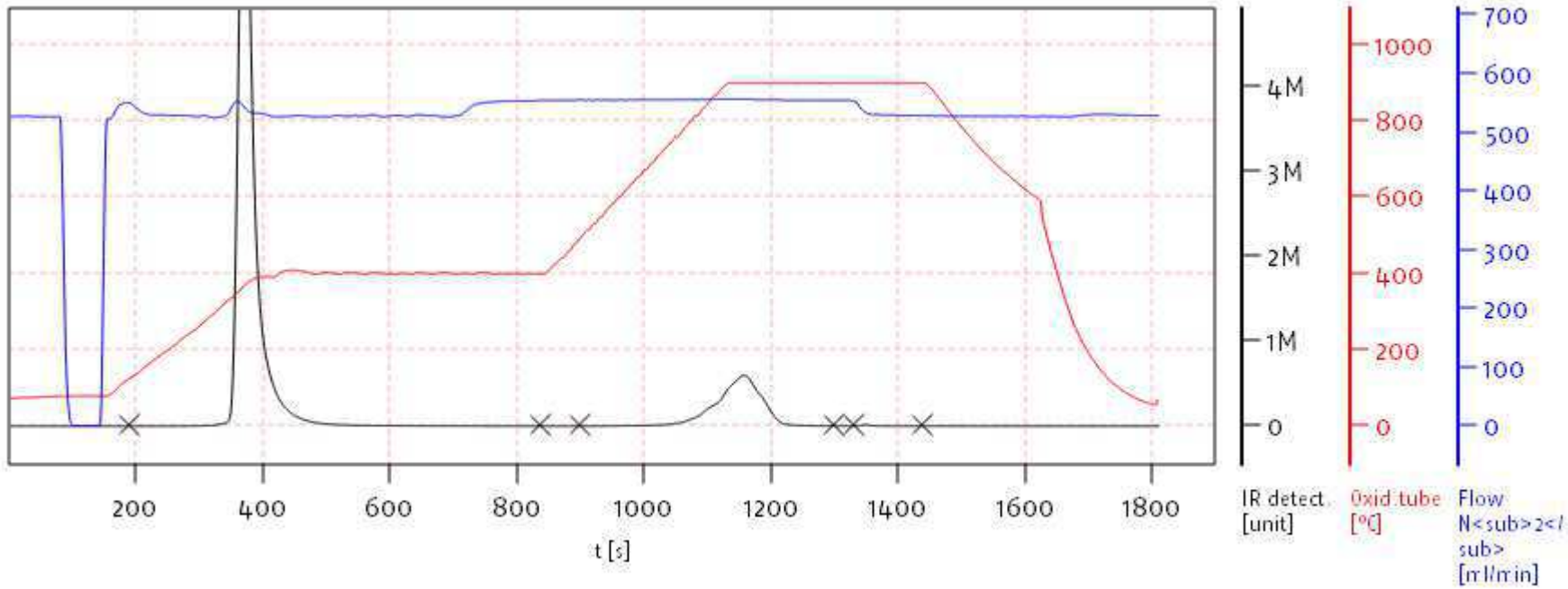
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	22K0399-22RE1	195.00		CARBON	12/13/2022 6:29 AM	bl	5.918	7 948 561	7.335	0.000	13 399	1 810 269	5.918	1.416	0.9411	1.0000



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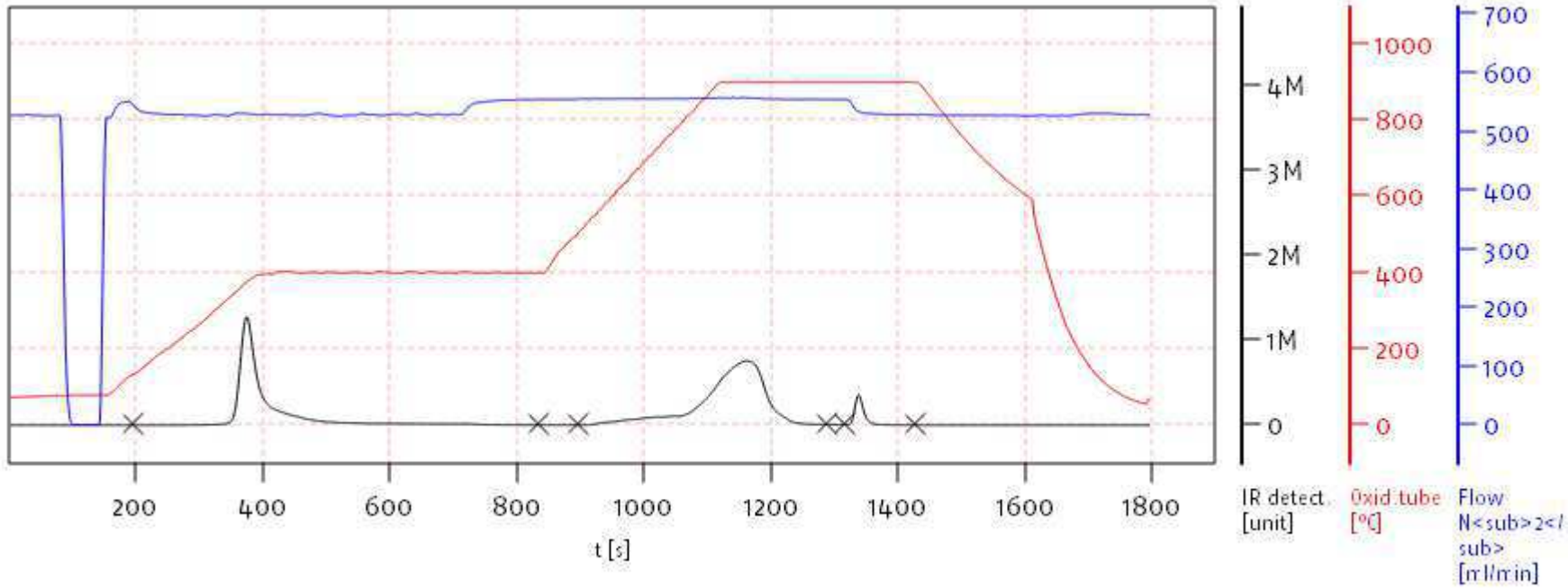
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	22K0399-24RE1	184.20		CARBON	12/13/2022 6:59 AM	bl	1.691	1 959 436	4.217	0.162	219 741	3 032 263	1.529	2.526	0.9411	1.0000



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Balance: BAL3
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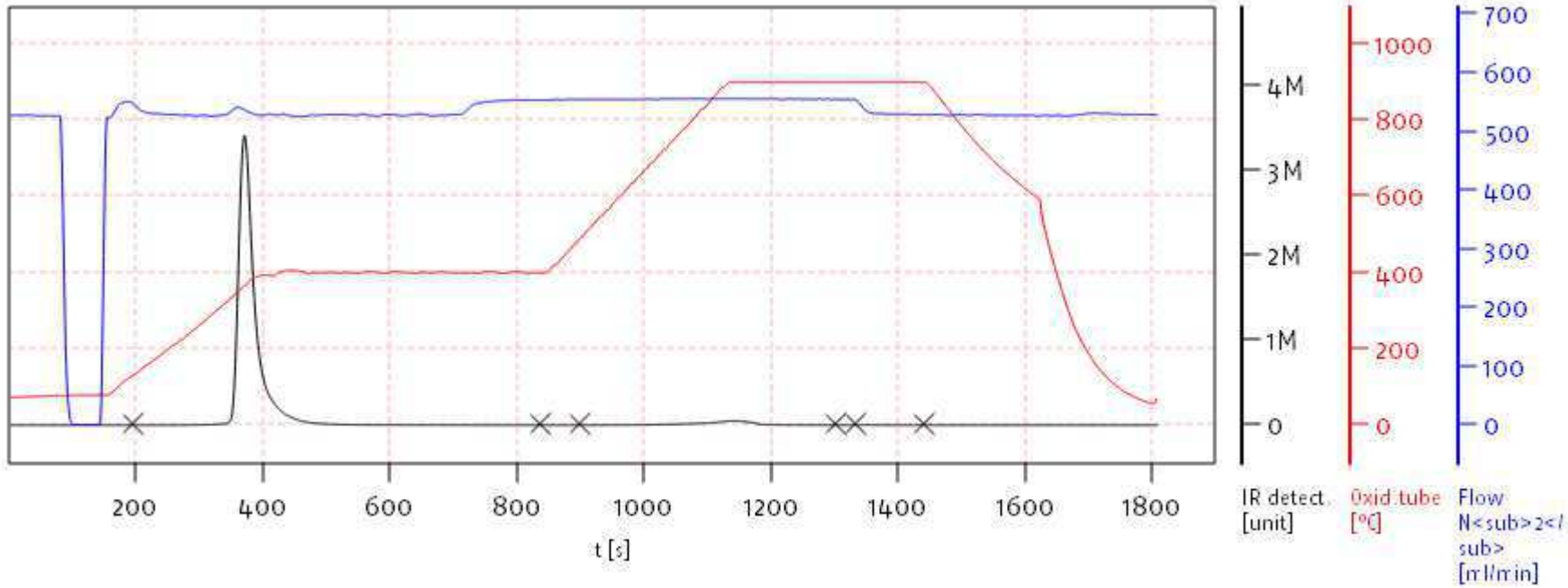
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	22K0399-25RE1	113.00		CARBON	12/13/2022 7:30 AM	bl	4.953	3 868 061	5.160	0.000	4 296	177 838	4.953	0.207	0.9411	1.0000



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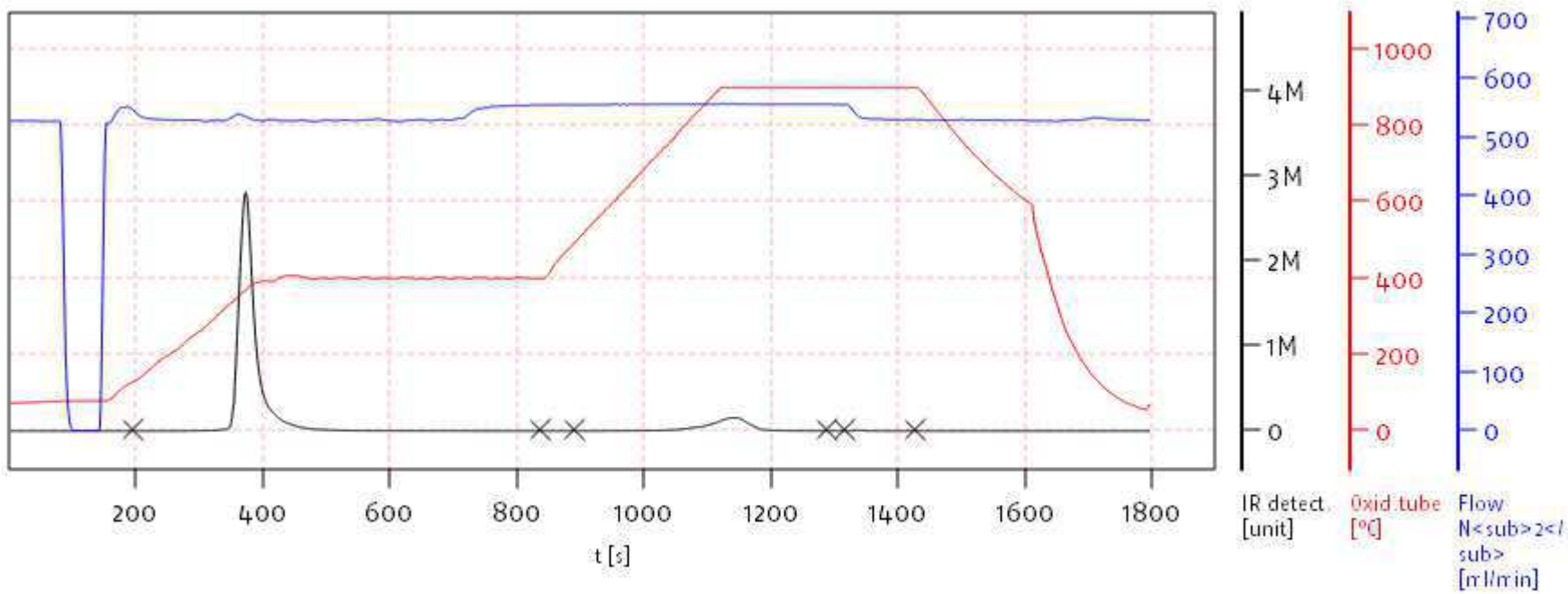
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	BKL0147-DUP2	101.70		CARBON	12/13/2022 8:00 AM	bl	4.550	3 203 034	5.184	0.000	7 464	442 716	4.550	0.633	0.9411	1.0000



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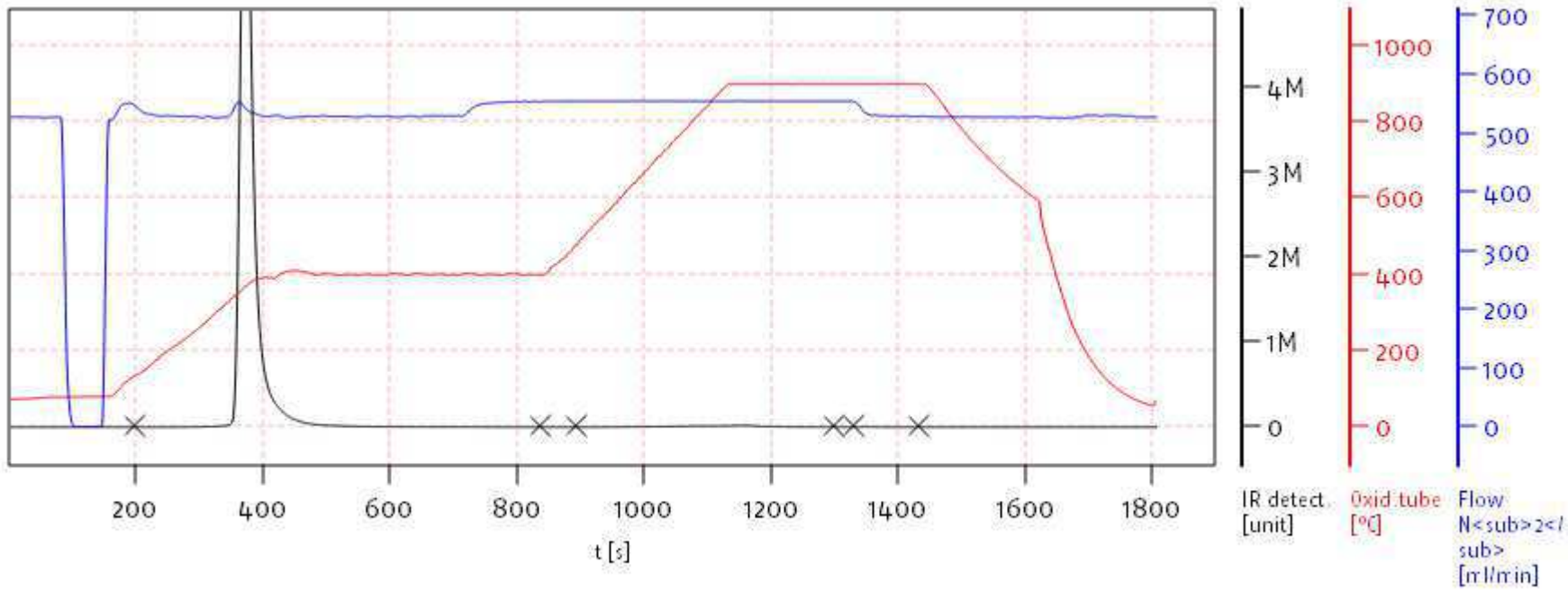
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	BKL0147-MS2	95.20	0.0106	CARBON	12/13/2022 8:30 AM	bl	10.323	6 772 154	10.442	0.000	3 703	99 644	10.323	0.119	0.9411	1.0000



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Balance: BAL3
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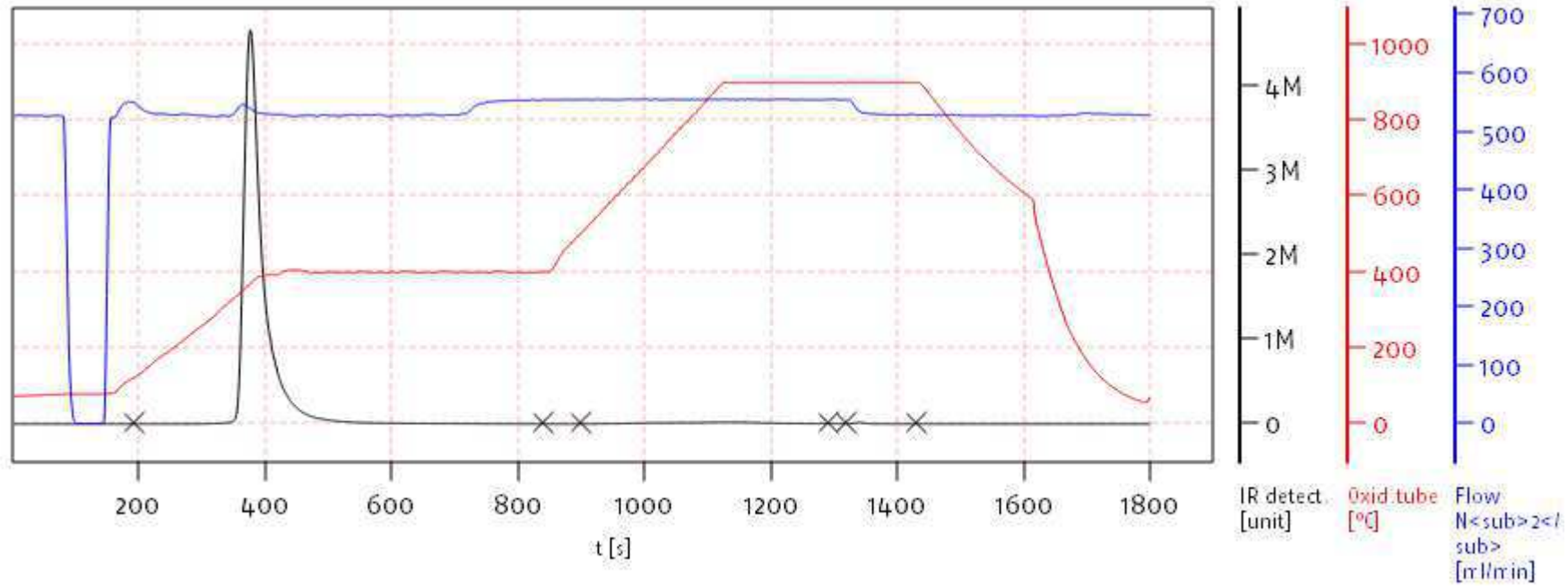
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	BKL0147-MSD2	97.90	0.0096	CARBON	12/13/2022 9:01 AM	bl	8.995	6 071 376	9.193	0.000	14 293	151 837	8.995	0.198	0.9411	1.0000



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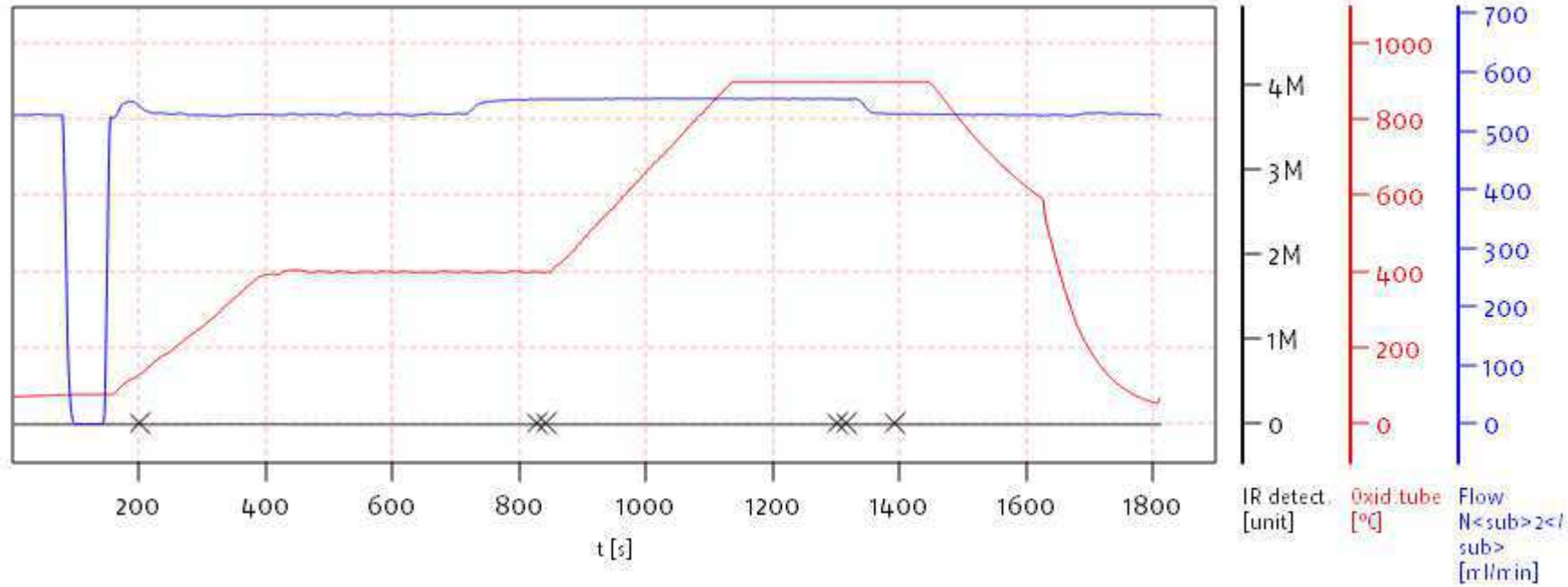
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/13/2022 9:31 AM	bl	0.000	8 328	0.000	0.000	206	987	0.000	0.000	0.9411	1.0000



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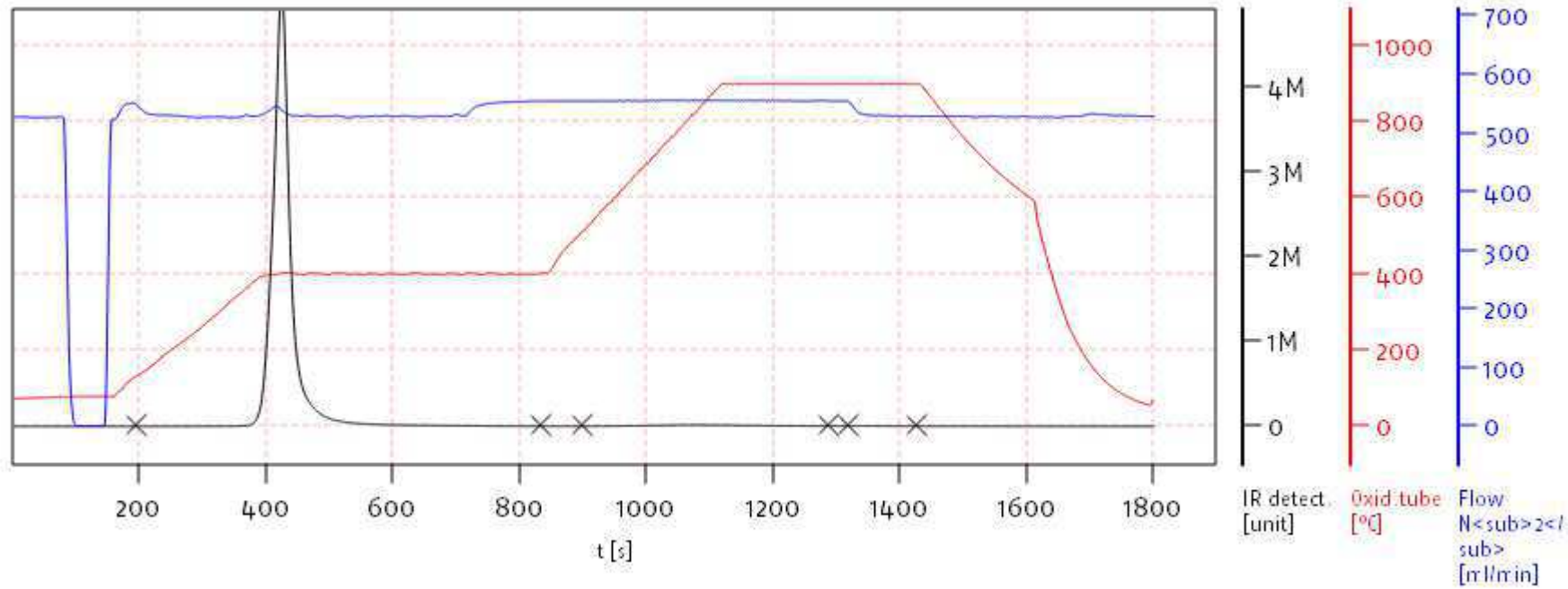
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	20.20		CARBON	12/13/2022 10:02 AM	bl	44.446	6 237 290	45.222	0.000	14 050	127 836	44.446	0.776	0.9338	1.0000



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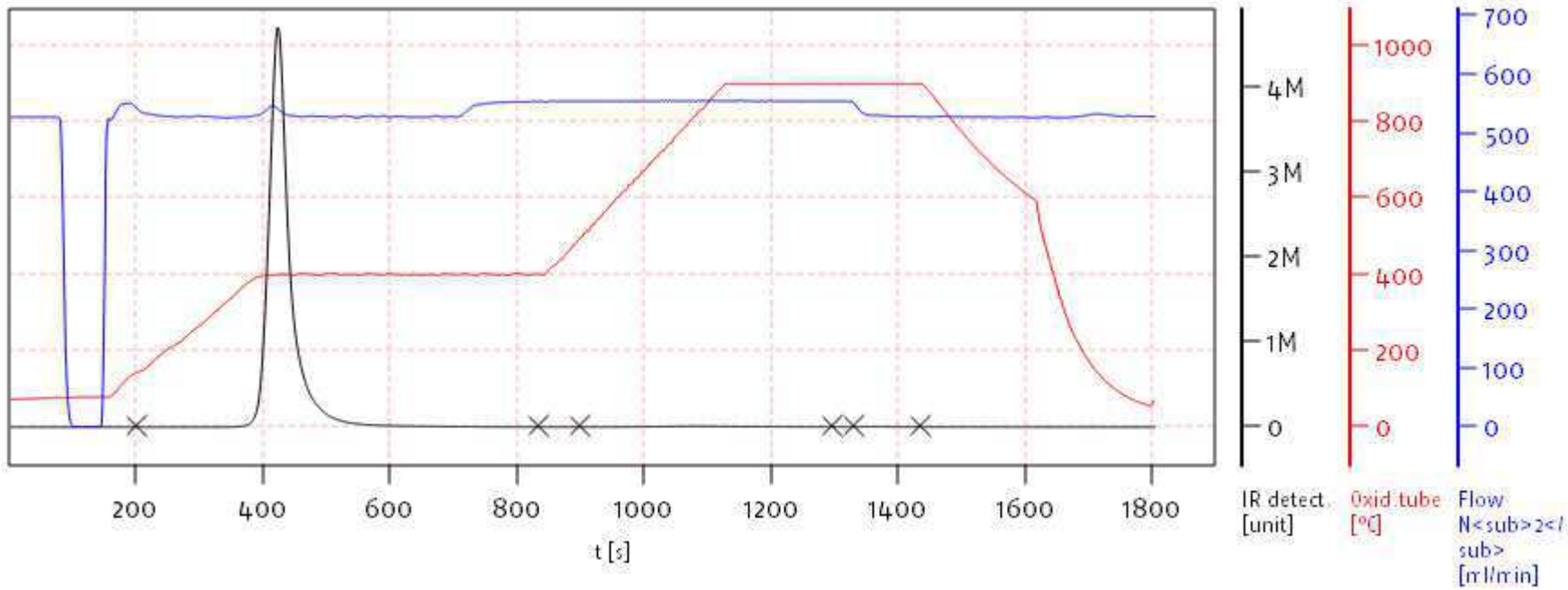
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	21.80		CARBON	12/13/2022 10:32 AM	bl	44.446	6 815 810	44.809	0.000	13 499	77 749	44.446	0.364	0.9219	1.0000



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Balance: BAL3
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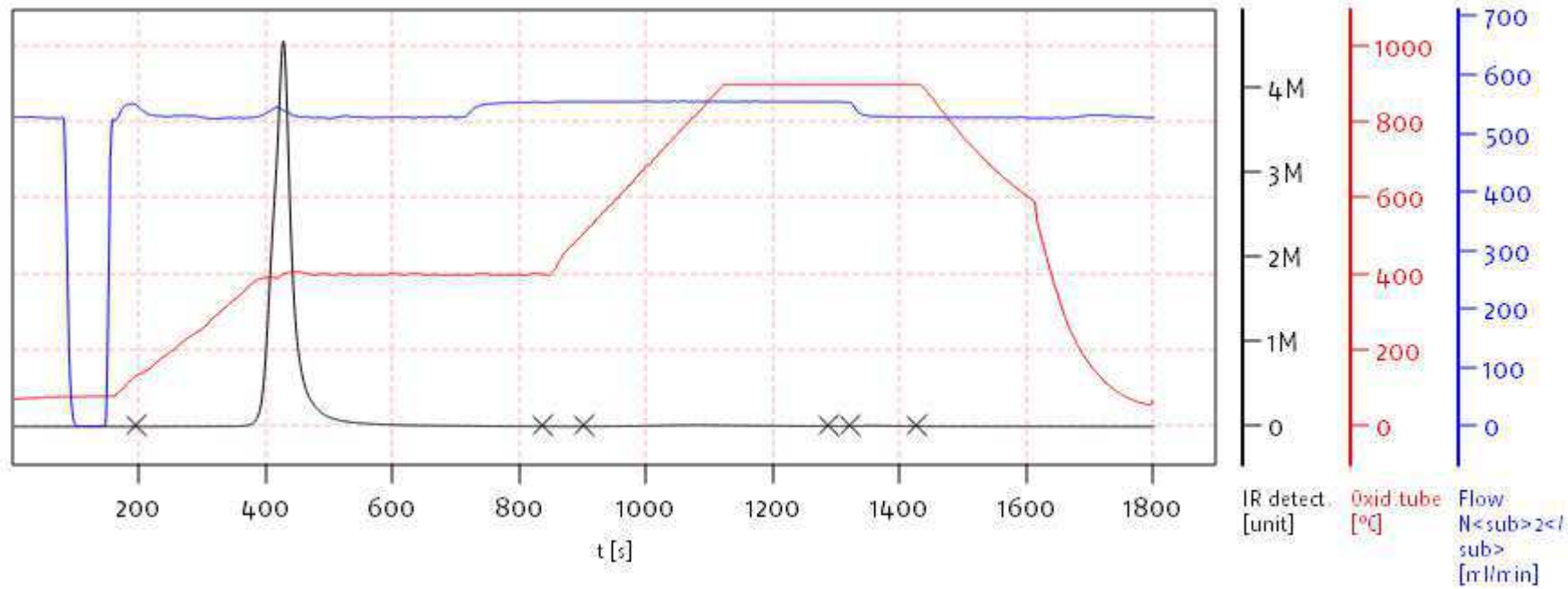
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0152-CCV4	20.60		CARBON	12/13/2022 11:03 AM	bl	43.020	6 194 795	43.885	0.011	28 040	141 694	43.008	0.865	0.9279	1.0000



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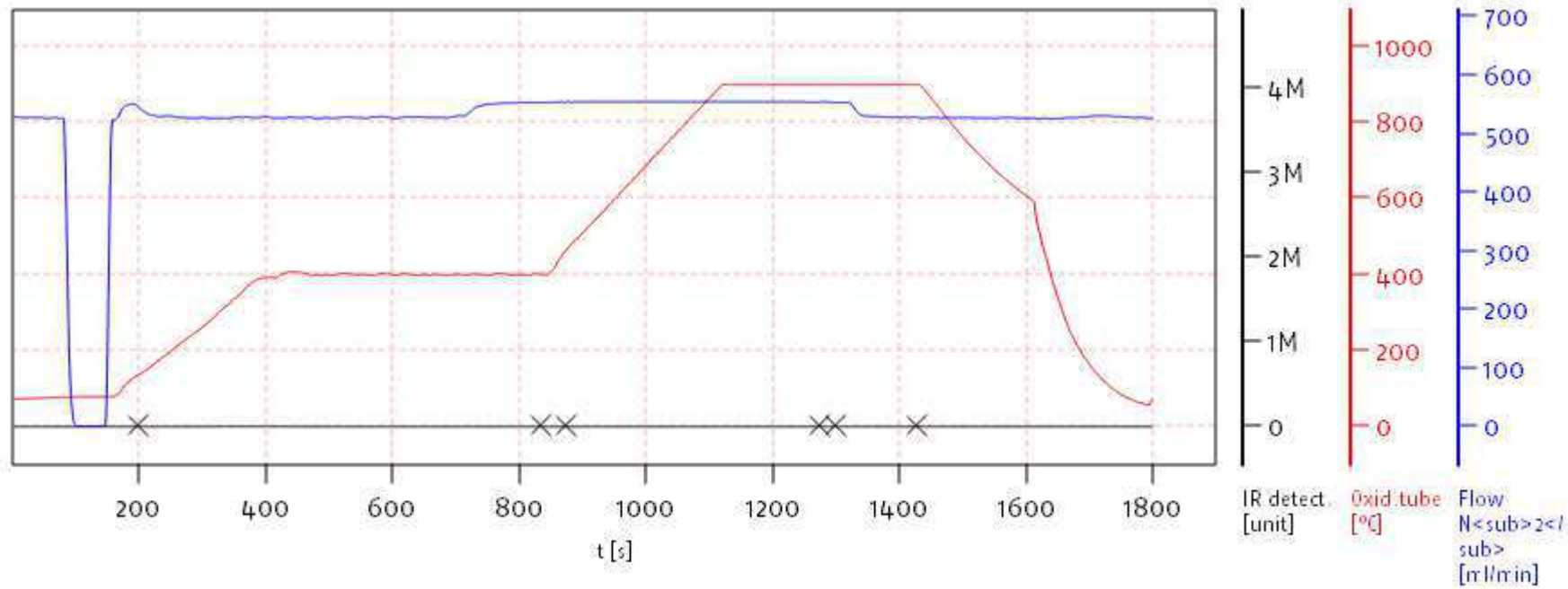
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0152-CCB4	501.40		CARBON	12/13/2022 11:33 AM	bl,C3u,C2u	0.000	8 113	0.000	0.000	476	175	0.000	0.000	0.9279	1.0000



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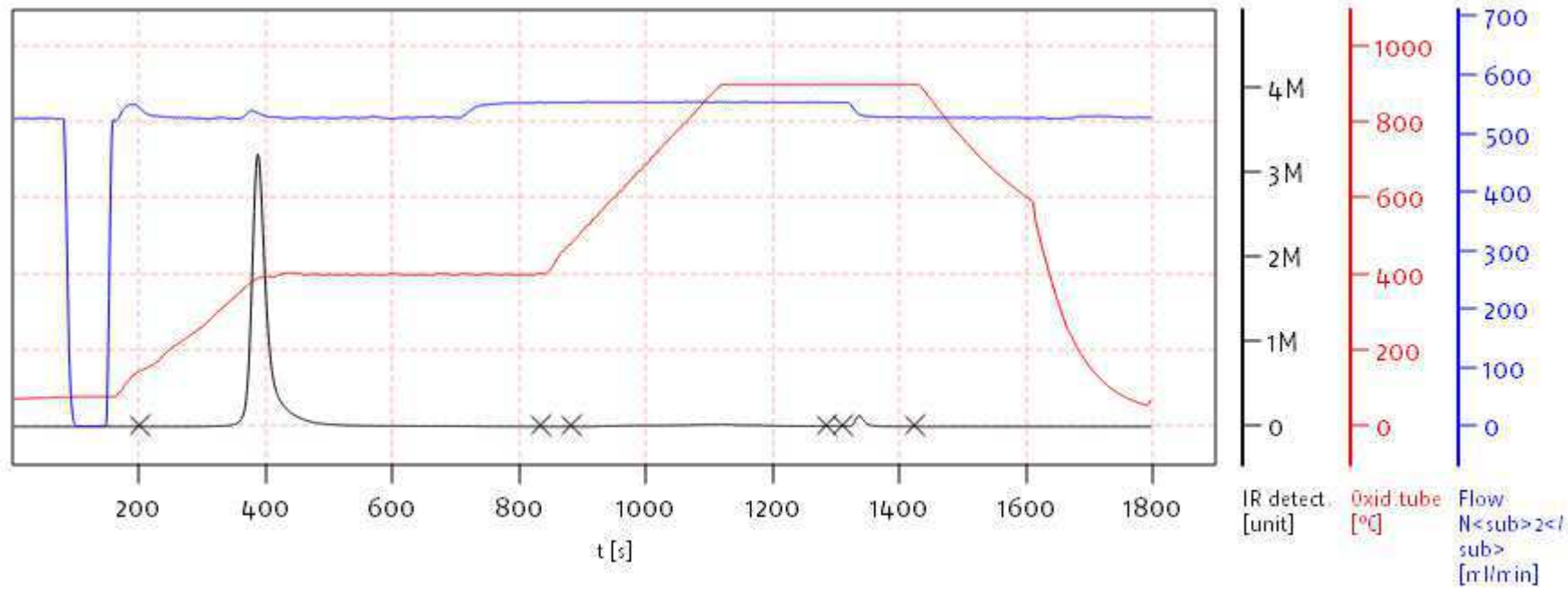
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22K0399-32RE1	187.50		CARBON	12/13/2022 12:03 PM	bl	2.717	3 507 793	2.845	0.050	87 080	181 882	2.667	0.128	0.9279	1.0000



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Access: soliTOC superuser

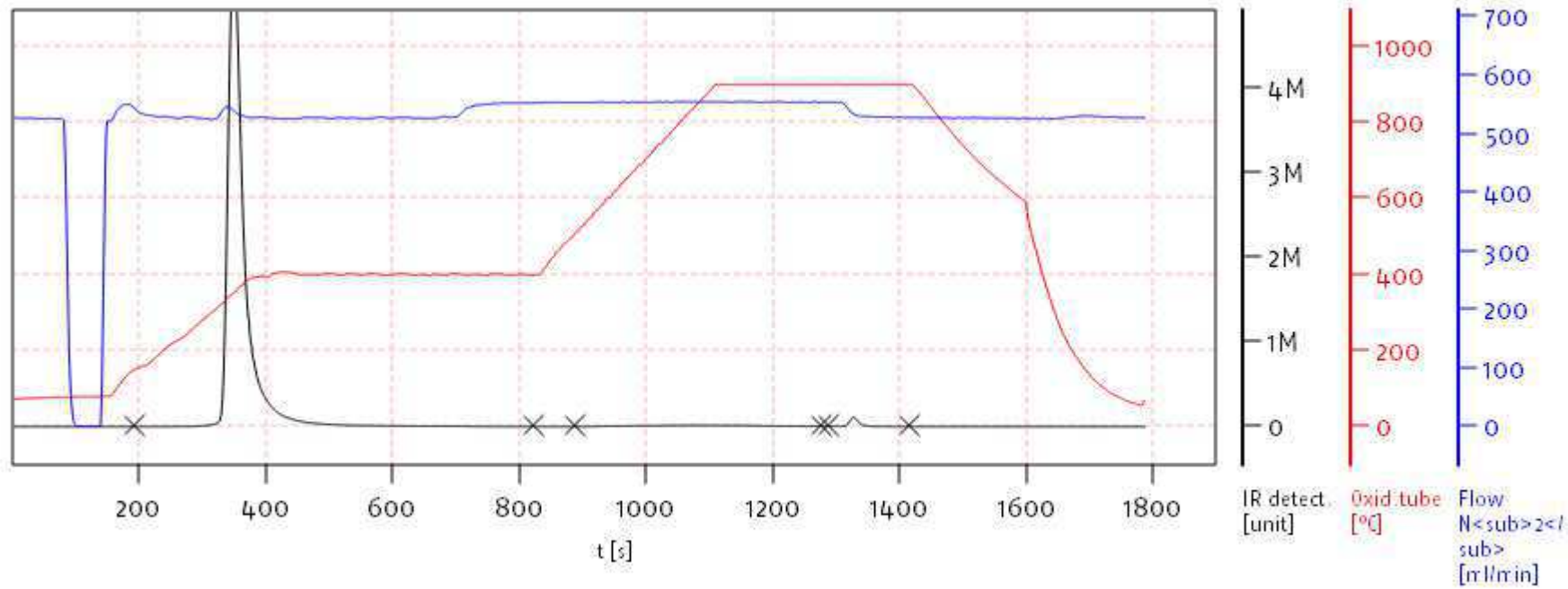
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	22K0399-40RE1	182.80		CARBON	12/13/2022 12:34 PM	bl	4.886	6 191 655	4.973	0.042	75 618	129 392	4.844	0.087	0.9279	1.0000



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Serial No: 0300.181017
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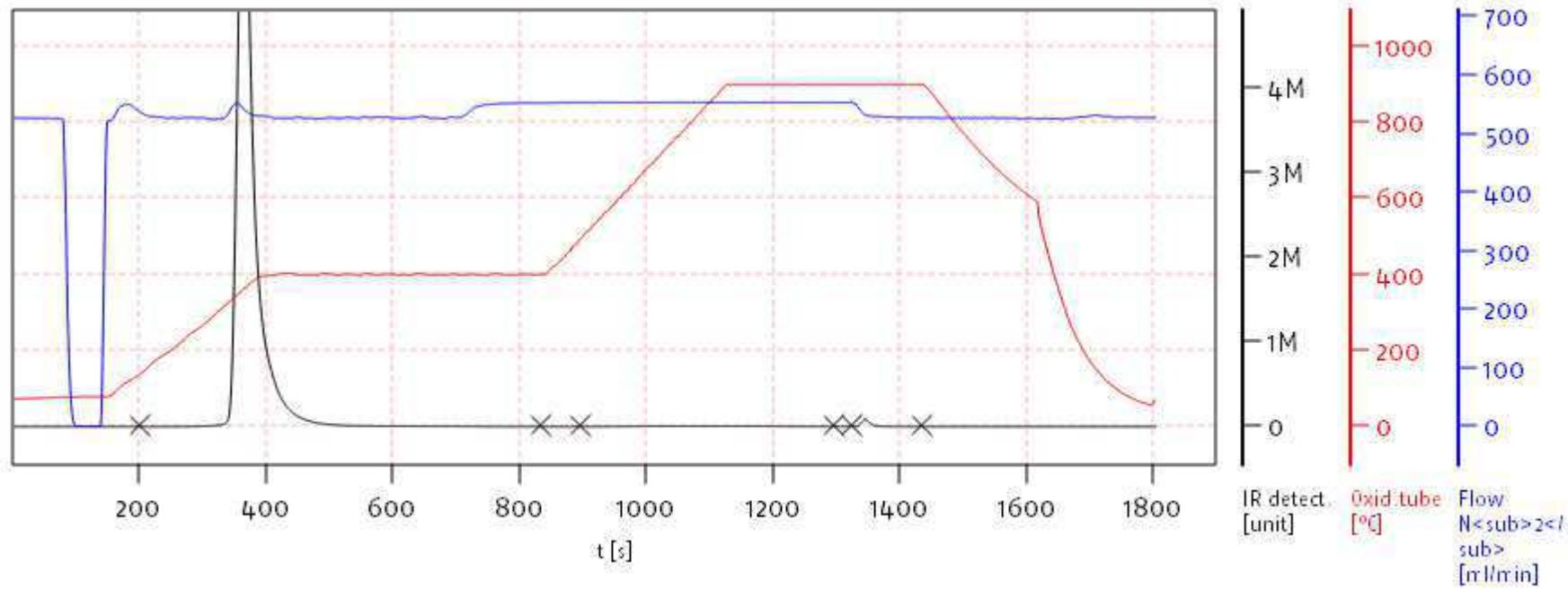
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	22K0399-41RE1	95.00		CARBON	12/13/2022 1:04 PM	bl	12.247	8 099 185	12.299	0.042	52 172	58 632	12.205	0.052	0.9279	1.0000



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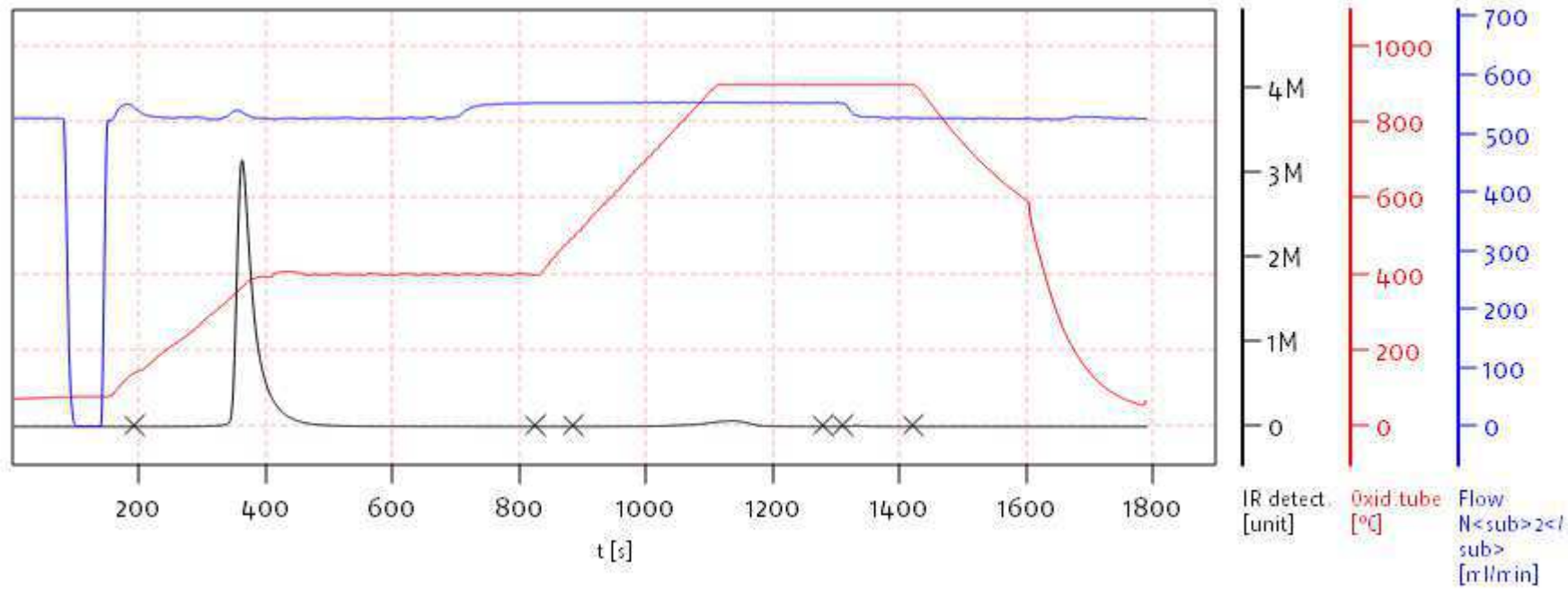
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22K0399-44RE1	92.60		CARBON	12/13/2022 1:34 PM	bl	5.887	3 821 678	6.230	0.000	10 629	231 874	5.887	0.343	0.9279	1.0000



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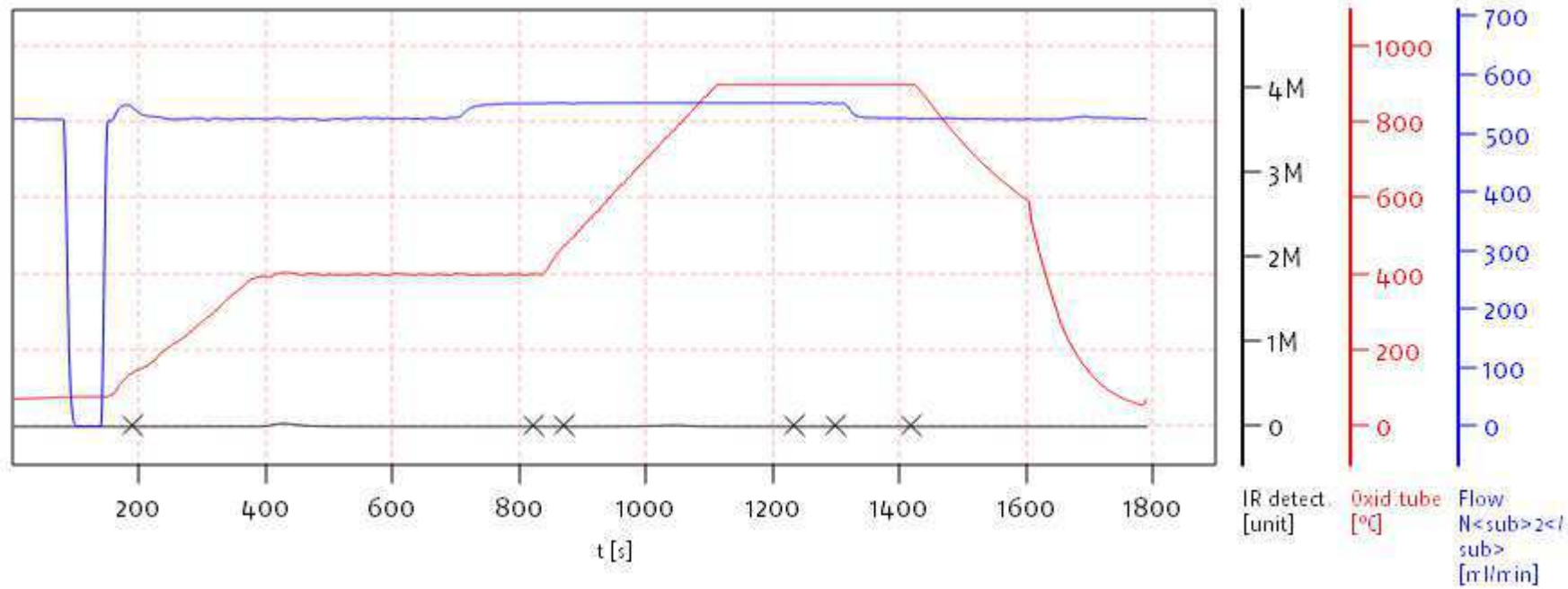
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	BKL0266-MRL1	500.90		CARBON	12/13/2022 2:05 PM	bl,C2u	0.013	73 336	0.016	0.000	439	35 609	0.013	0.003	0.9279	1.0000



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Soli TOC Cube, Carbon
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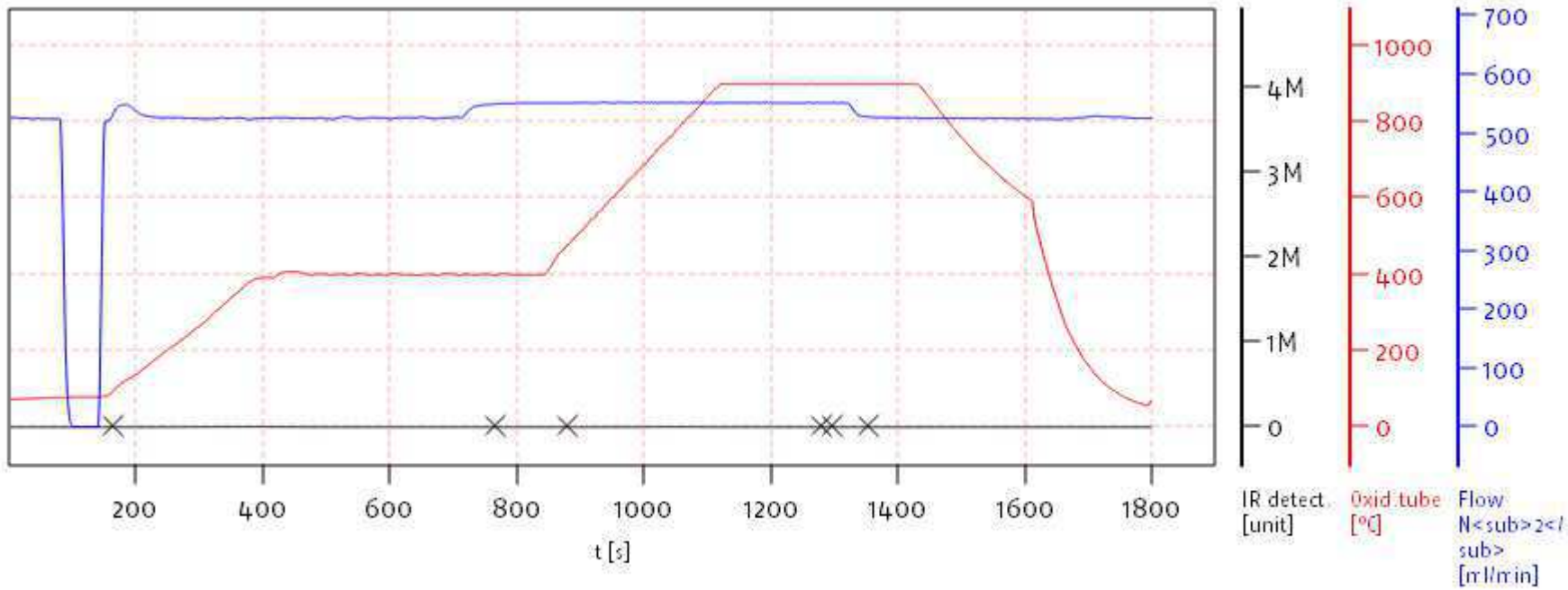
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	BKL0266-BLK1	503.50		CARBON	12/13/2022 2:35 PM	bl,C2u	0.000	23 606	0.000	0.000	243	11 950	0.000	0.000	0.9279	1.0000



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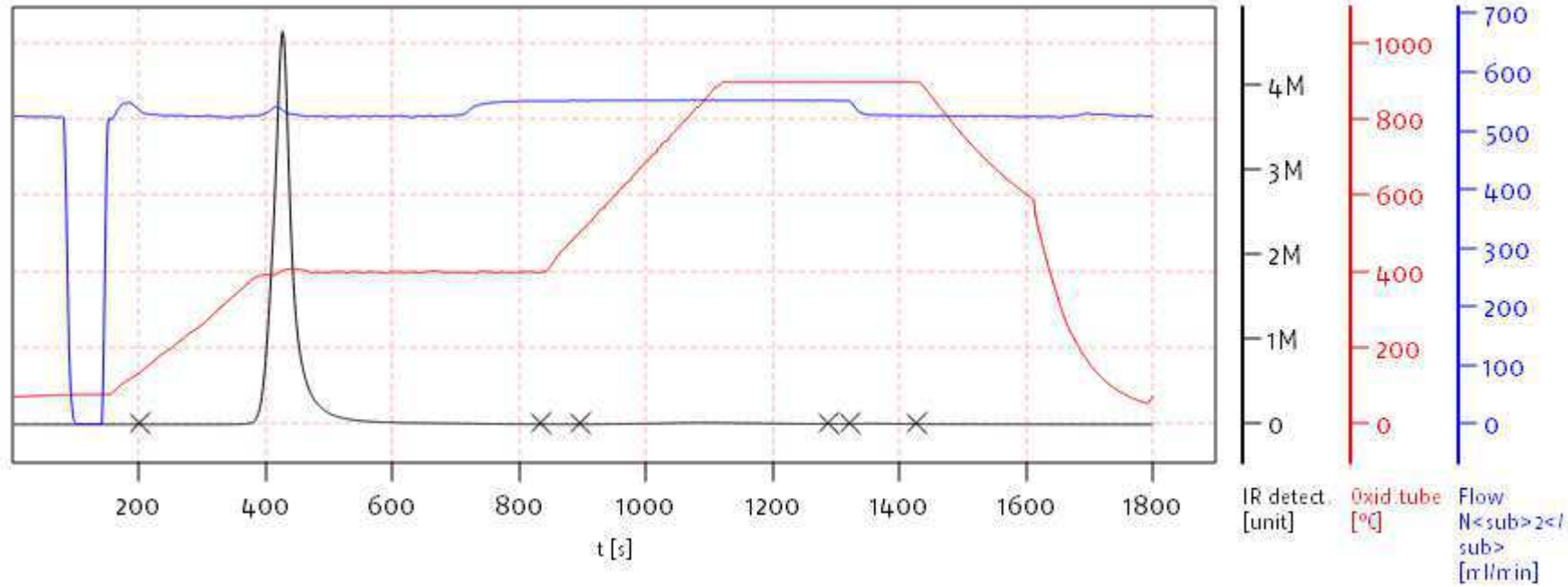
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	BKL0266-BS1	21.00		CARBON	12/13/2022 3:05 PM	bl	43.001	6 313 418	43.974	0.000	26 142	158 539	43.001	0.973	0.9279	1.0000



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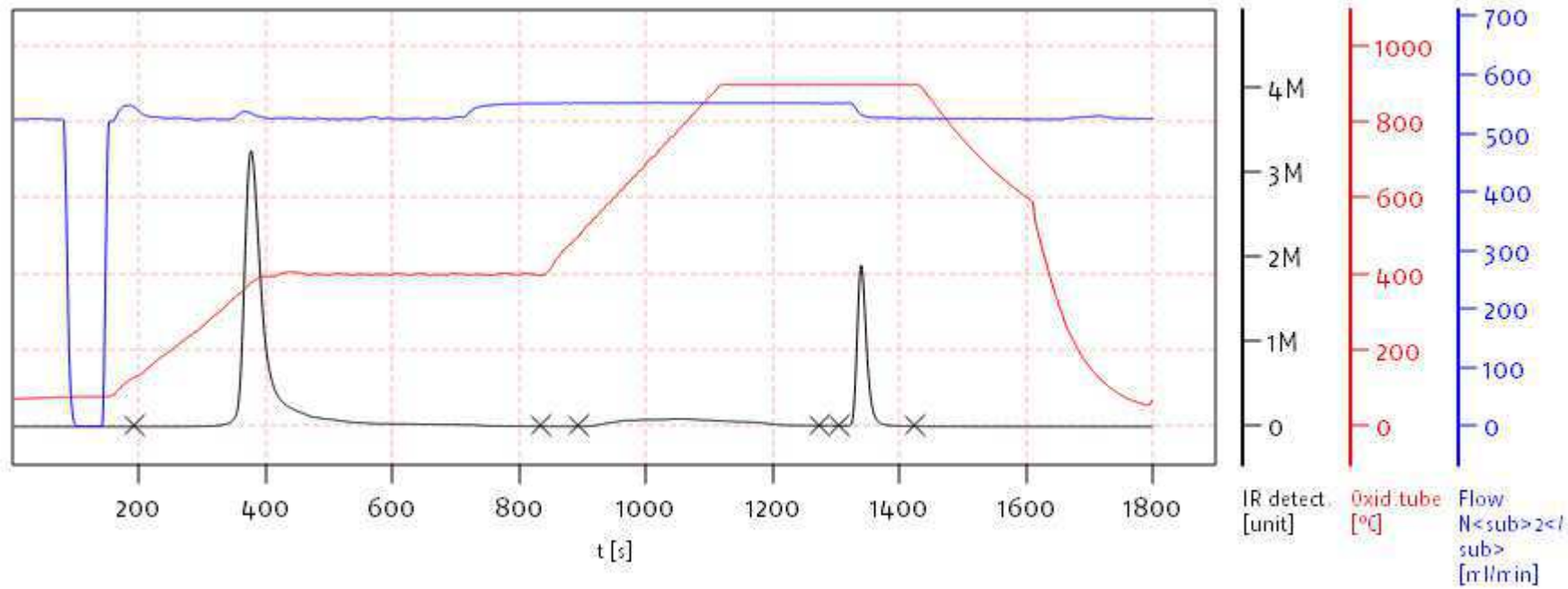
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	BKL0266-SRM1	293.50		CARBON	12/13/2022 3:36 PM	bl	2.910	4 644 123	3.292	0.650	1 259 513	750 304	2.260	0.382	0.9279	1.0000



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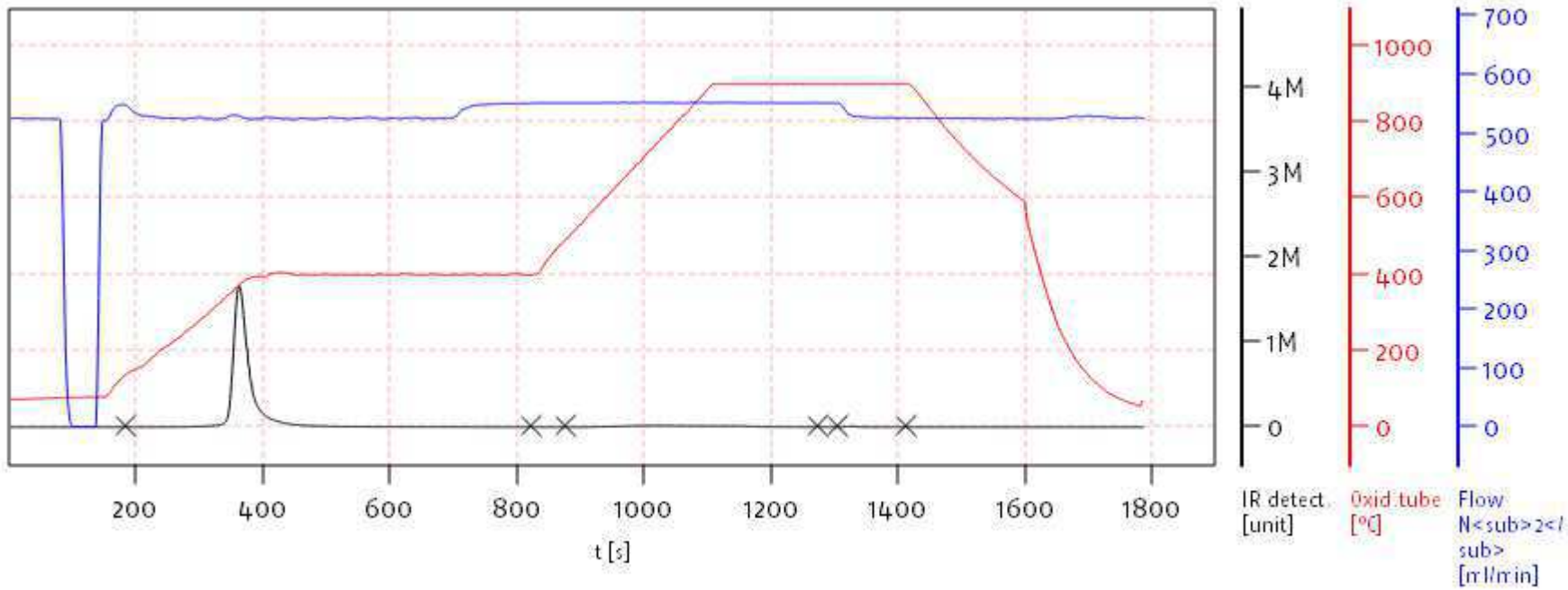
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0105-01	193.40		CARBON	12/13/2022 4:06 PM	bl	1.359	1 856 443	1.440	0.000	8 254	127 336	1.359	0.081	0.9279	1.0000



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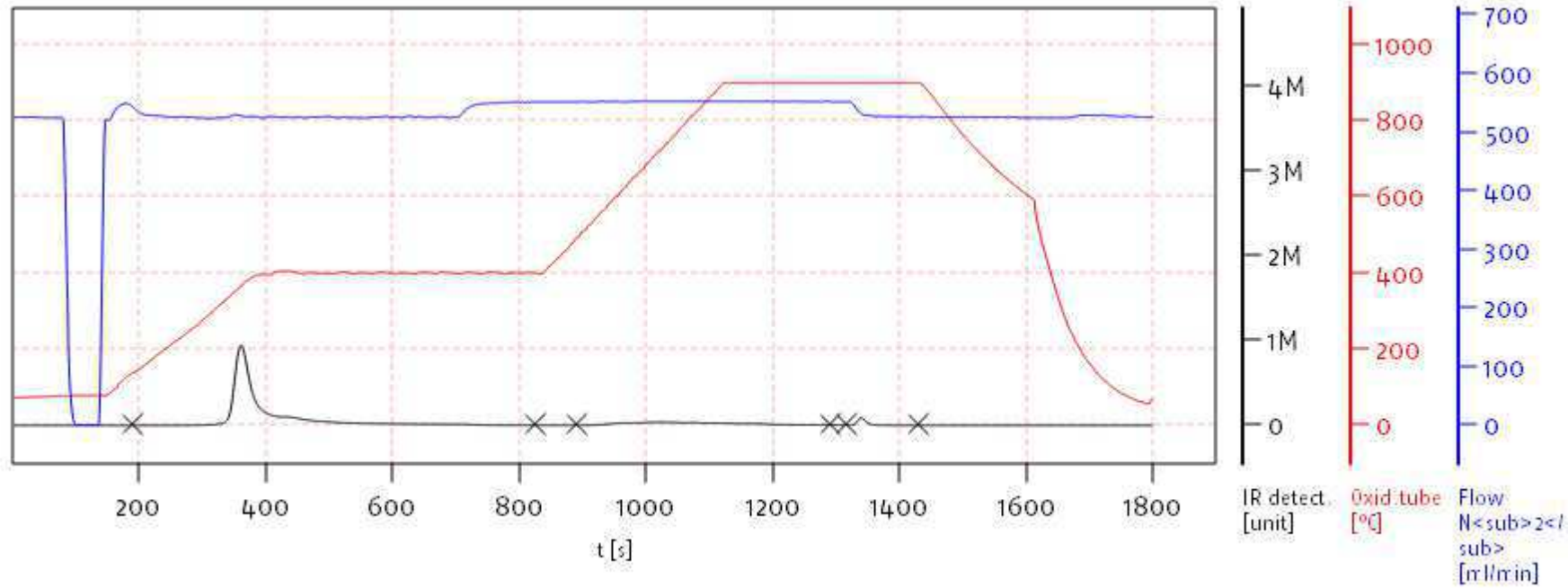
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	BKL0266-DUP1	198.60		CARBON	12/13/2022 4:36 PM	bl	1.136	1 566 177	1.349	0.022	55 208	300 102	1.114	0.213	0.9279	1.0000



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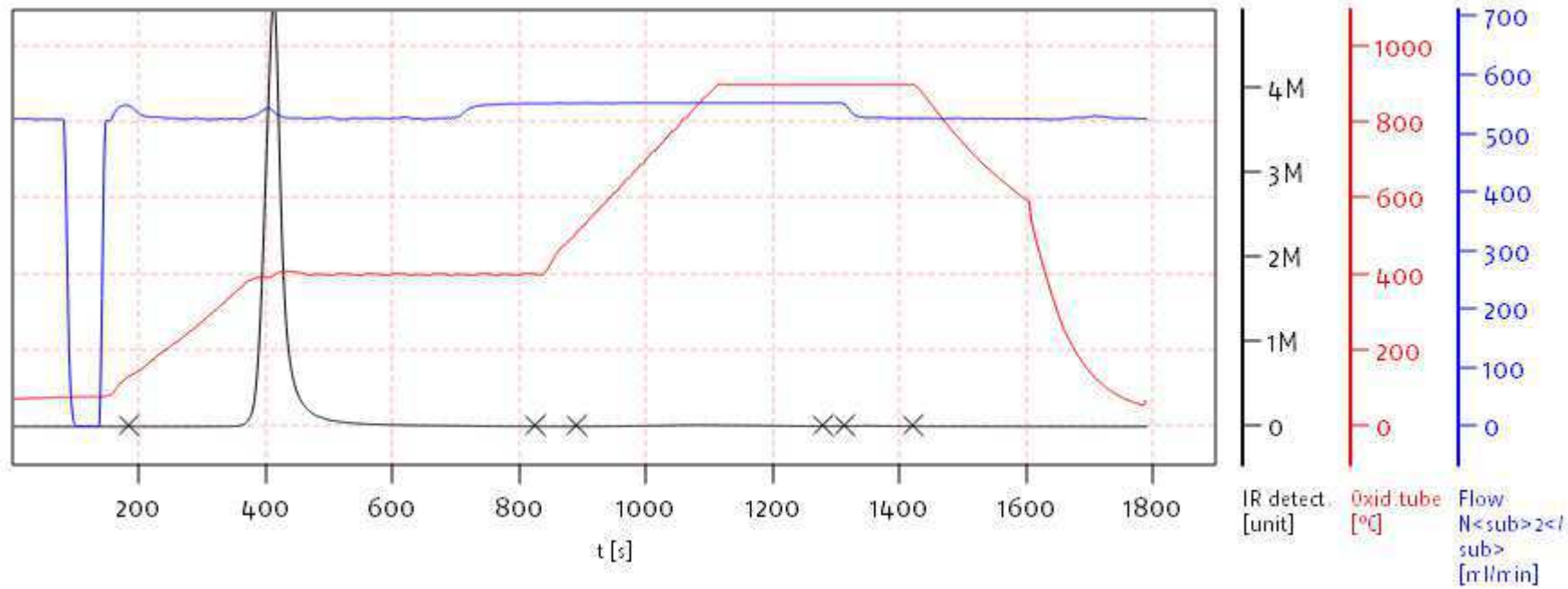
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0152-CCV5	21.00		CARBON	12/13/2022 5:07 PM	bl	42.980	6 310 370	43.848	0.000	24 771	144 332	42.980	0.868	0.9279	1.0000



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elementar
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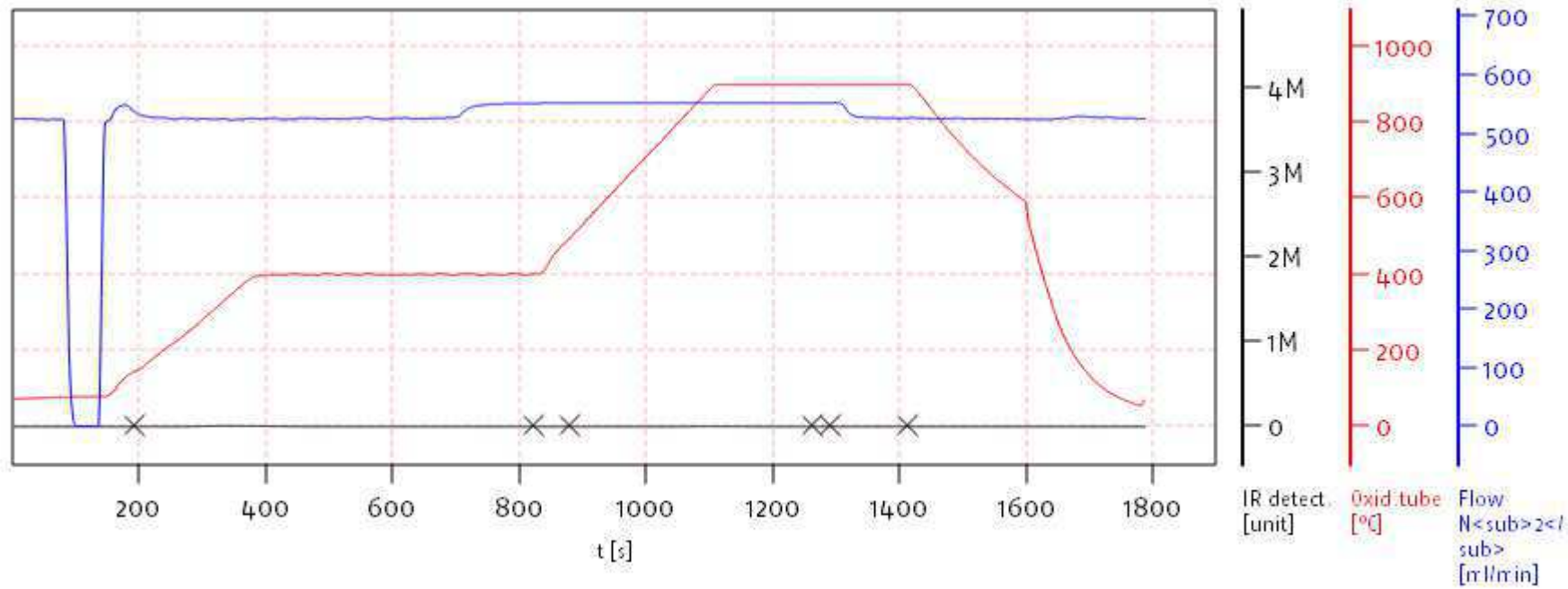
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0152-CCB5	522.60		CARBON	12/13/2022 5:37 PM	bl,C2u	0.003	38 996	0.003	0.000	319	9 987	0.003	0.000	0.9279	1.0000



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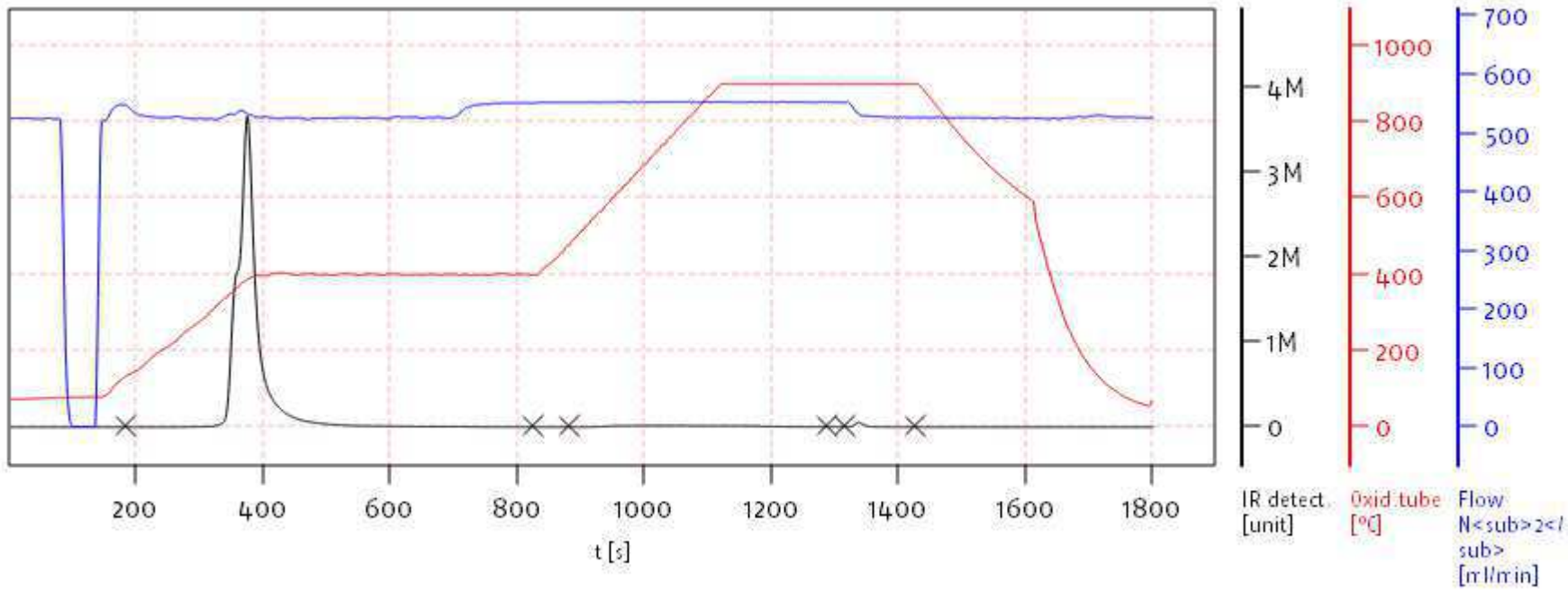
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	BKL0266-MS1	185.10	0.0100	CARBON	12/13/2022 6:07 PM	bl	3.723	4 813 657	3.833	0.008	36 039	159 030	3.715	0.111	0.9279	1.0000



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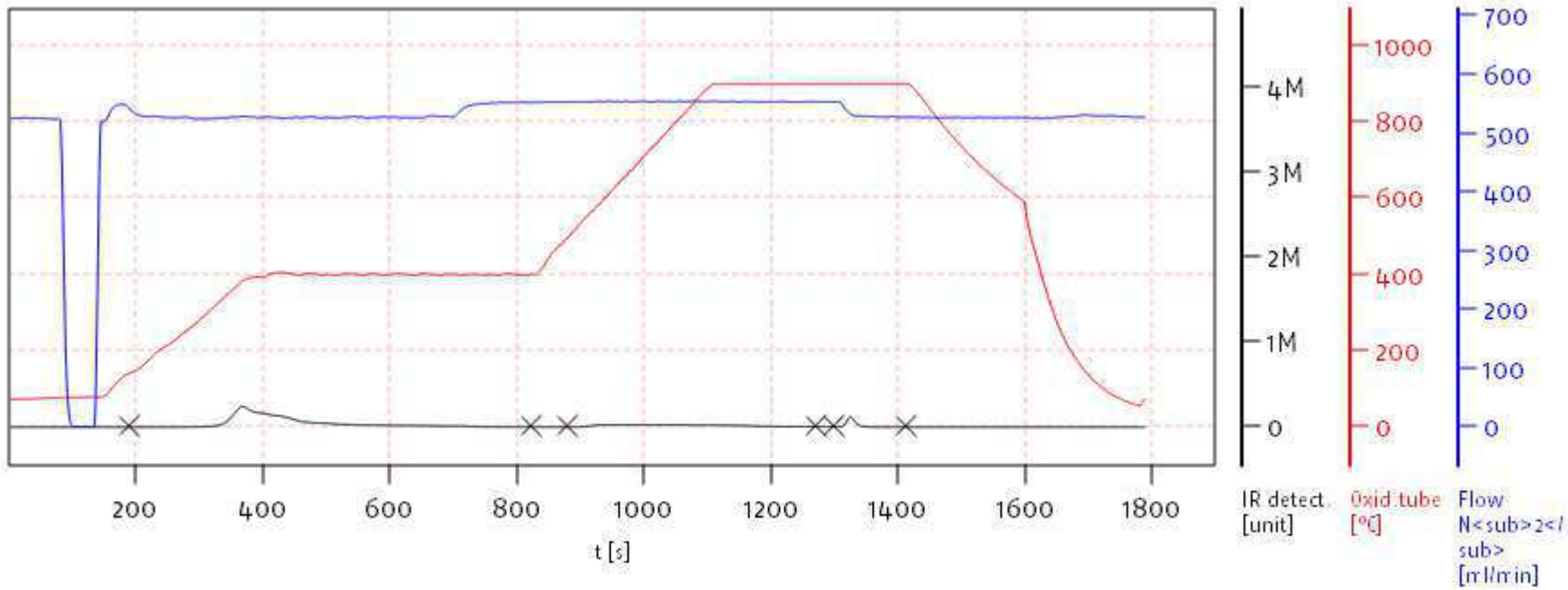
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0105-02	153.00		CARBON	12/13/2022 6:37 PM	bl	0.914	948 045	1.141	0.049	75 321	250 399	0.865	0.227	0.9279	1.0000



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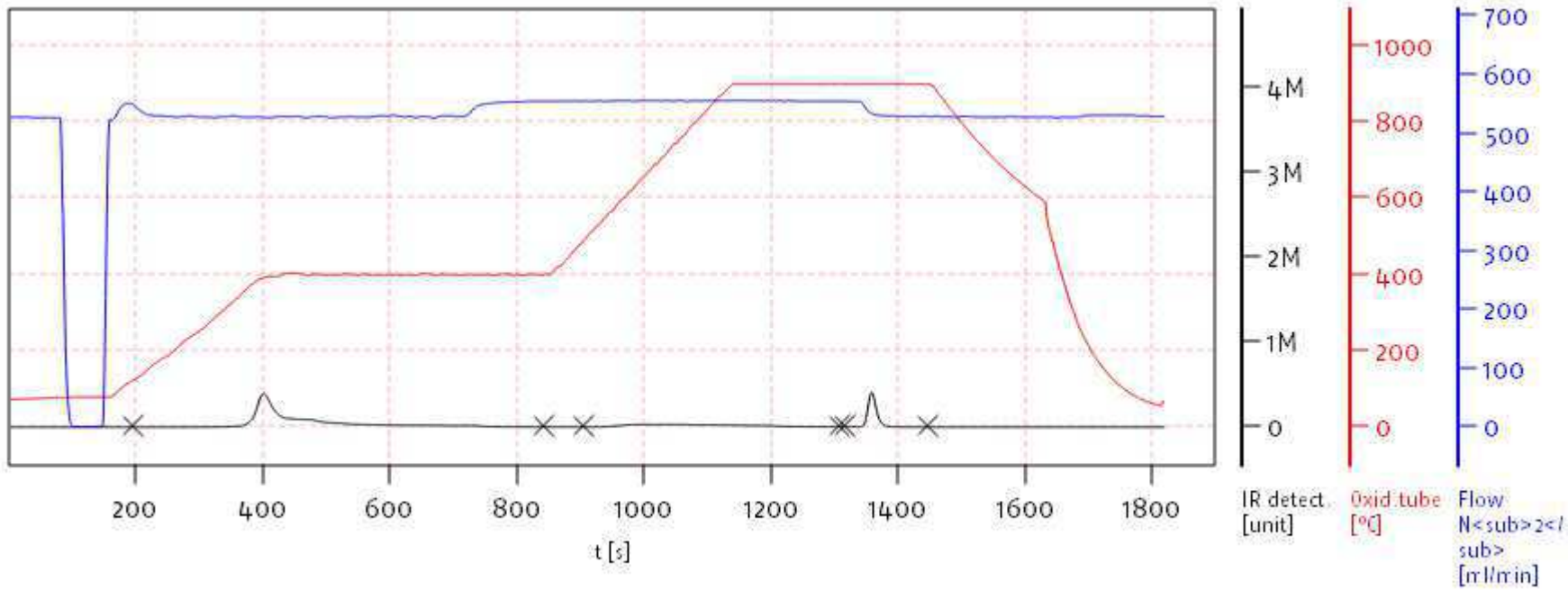
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0105-03	158.00		CARBON	12/13/2022 7:08 PM	bl	1.054	952 484	1.282	0.212	243 266	259 587	0.842	0.228	0.9279	1.0000



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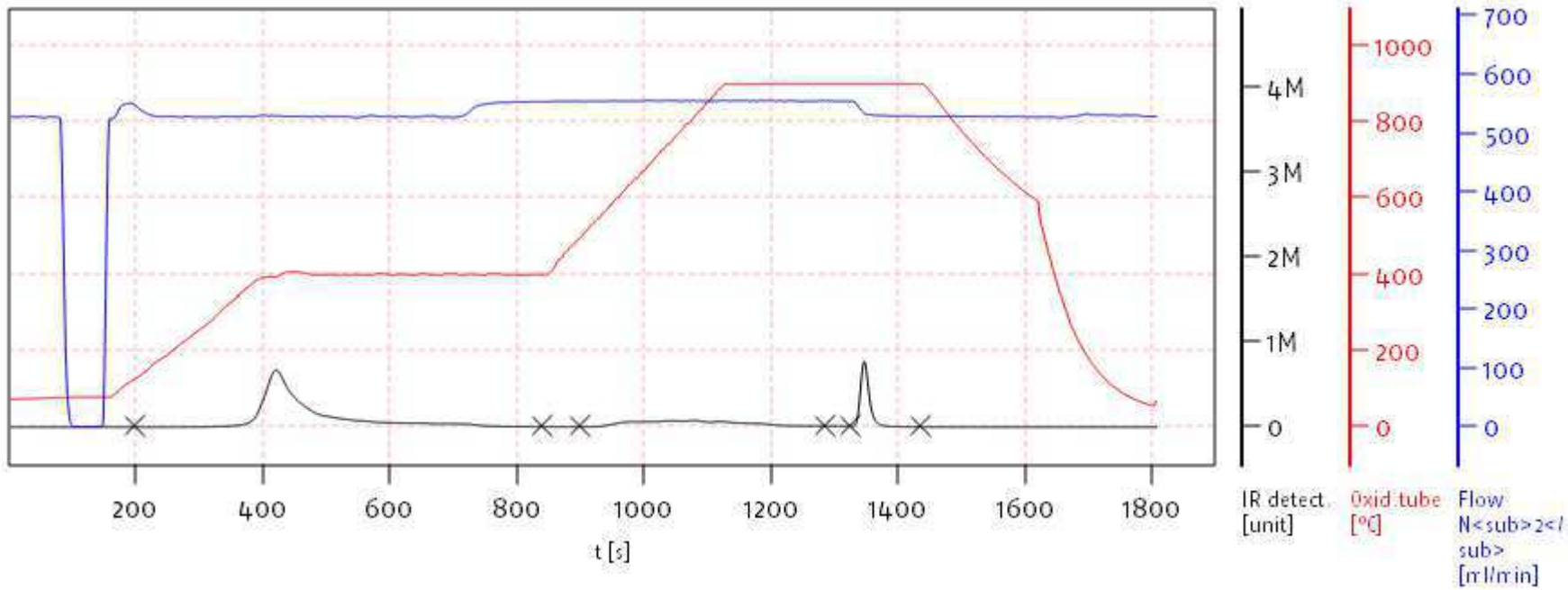
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0105-04	502.60		CARBON	12/13/2022 7:39 PM	bl	0.725	2 078 009	0.910	0.139	477 100	625 950	0.586	0.185	0.9279	1.0000



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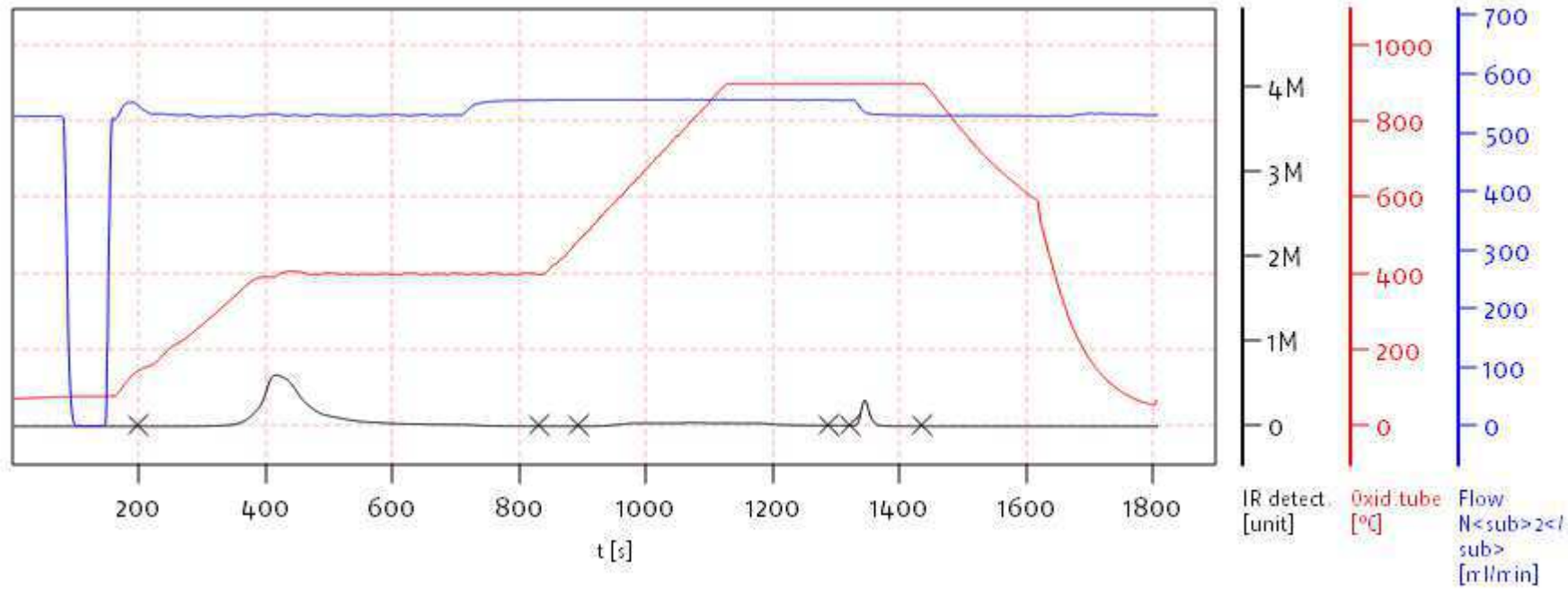
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0105-05	516.10		CARBON	12/13/2022 8:09 PM	bl	0.621	2 084 158	0.732	0.049	189 293	393 909	0.573	0.110	0.9279	1.0000



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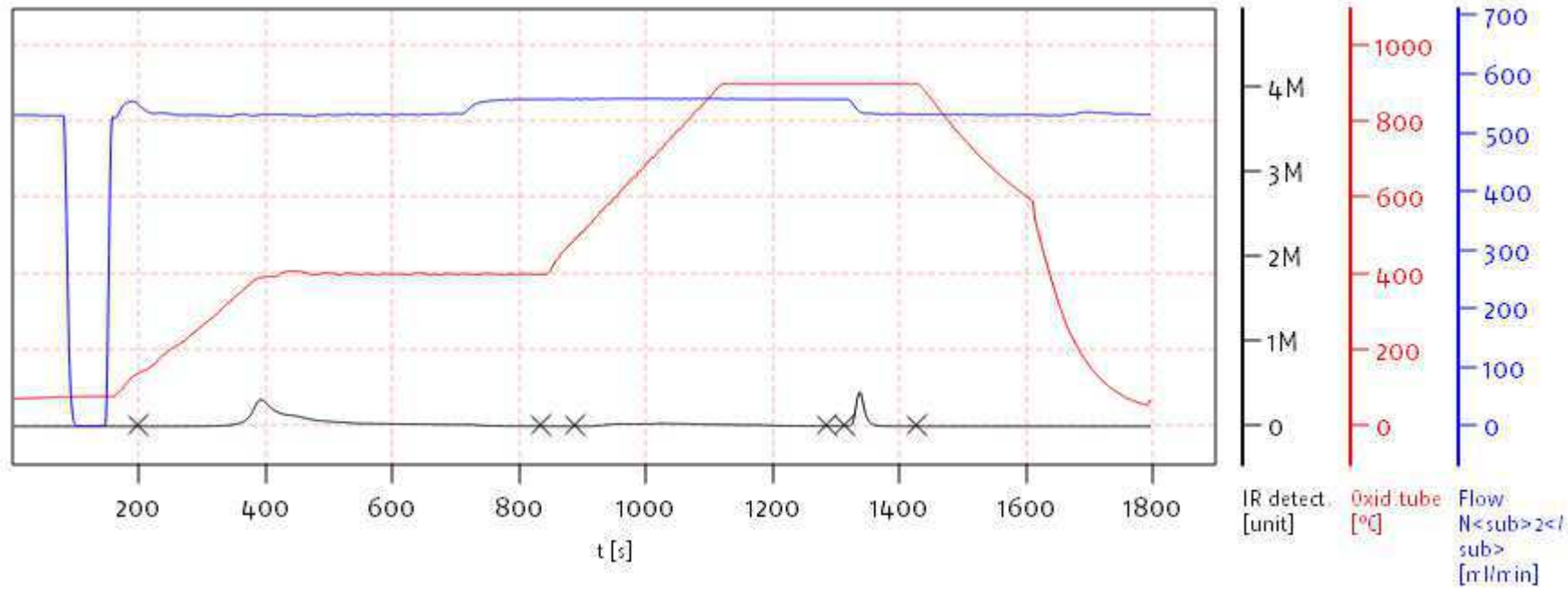
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	22L0105-06	210.00		CARBON	12/13/2022 8:39 PM	bl	0.864	1 057 629	1.040	0.159	242 577	264 314	0.705	0.175	0.9279	1.0000



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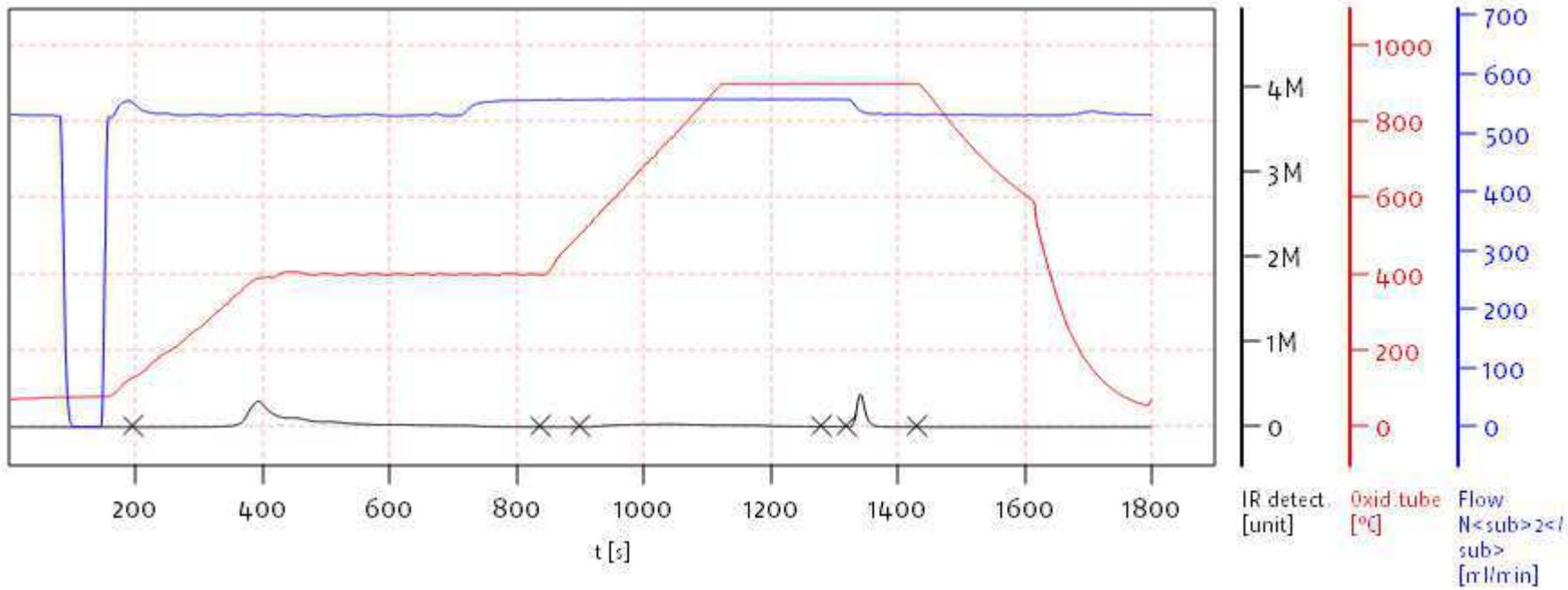
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	22L0105-07	170.50		CARBON	12/13/2022 9:10 PM	bl	1.011	1 005 427	1.239	0.187	232 322	276 882	0.825	0.227	0.9279	1.0000



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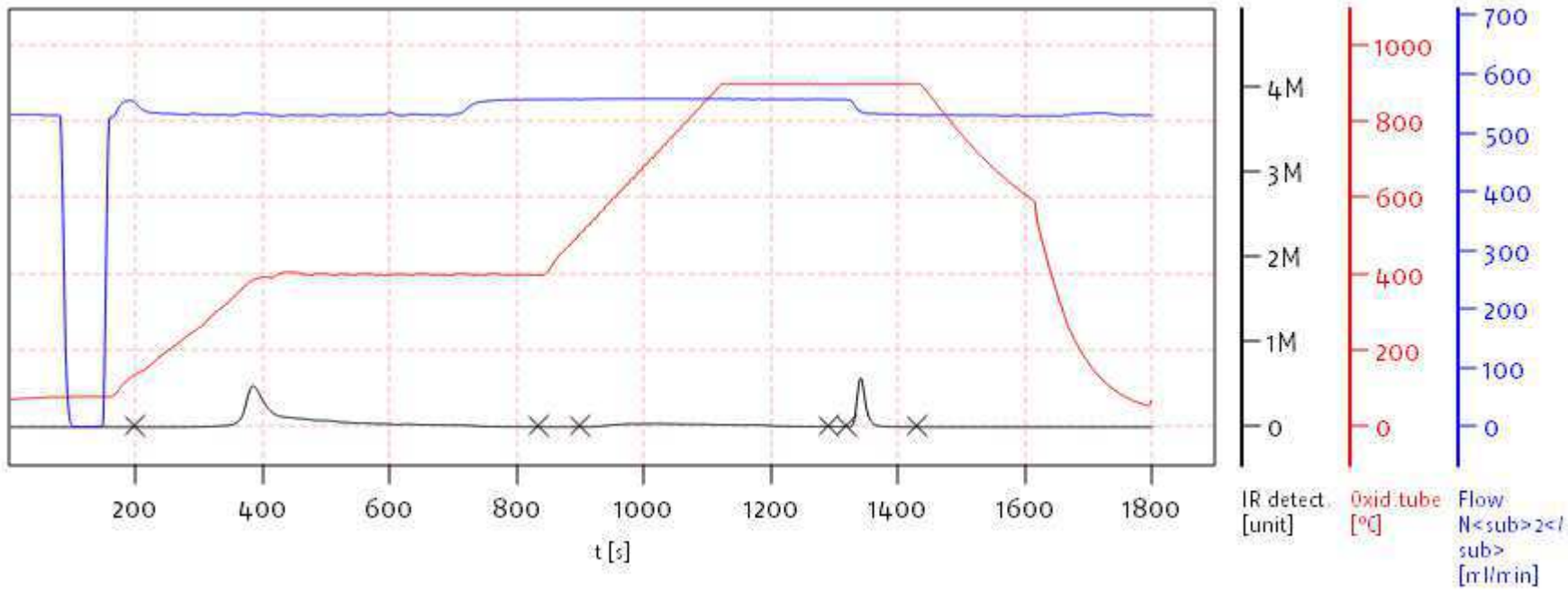
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	22L0105-08	168.30		CARBON	12/13/2022 9:40 PM	bl	1.397	1 317 992	1.681	0.295	347 081	334 917	1.102	0.284	0.9279	1.0000



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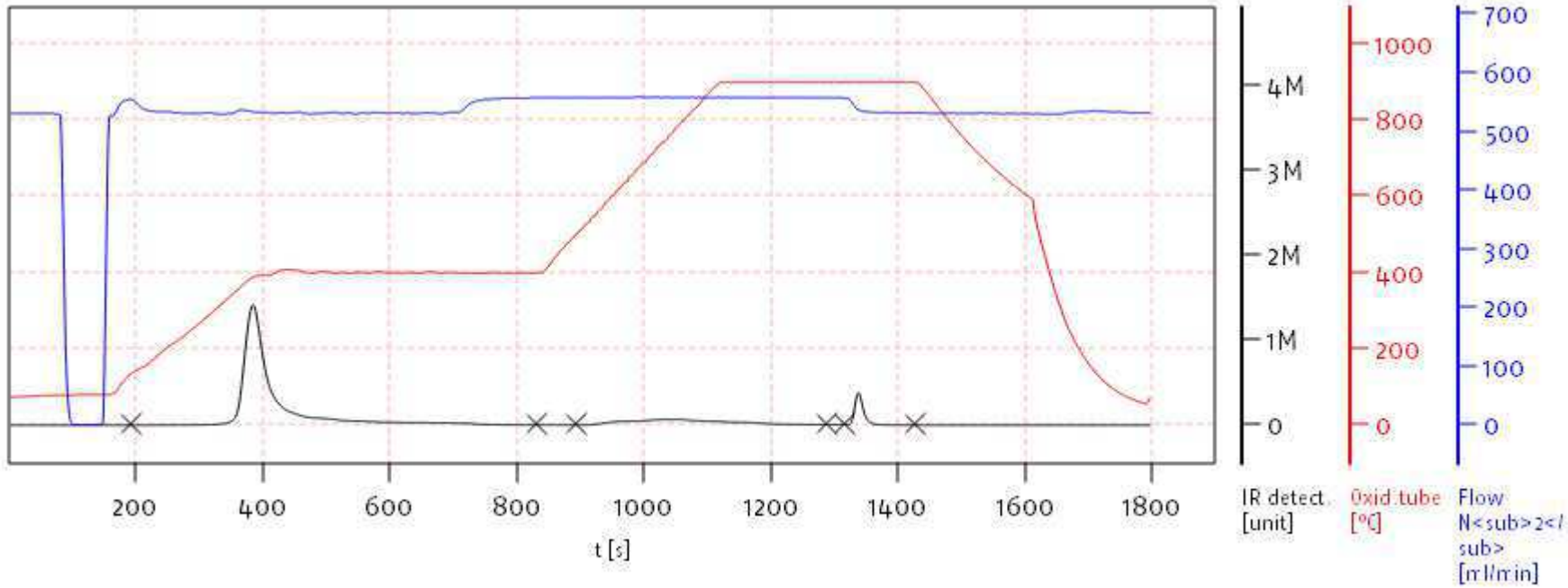
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	22L0105-09	293.50		CARBON	12/13/2022 10:11 PM	bl	1.379	2 626 316	1.623	0.107	229 177	488 314	1.272	0.244	0.9279	1.0000



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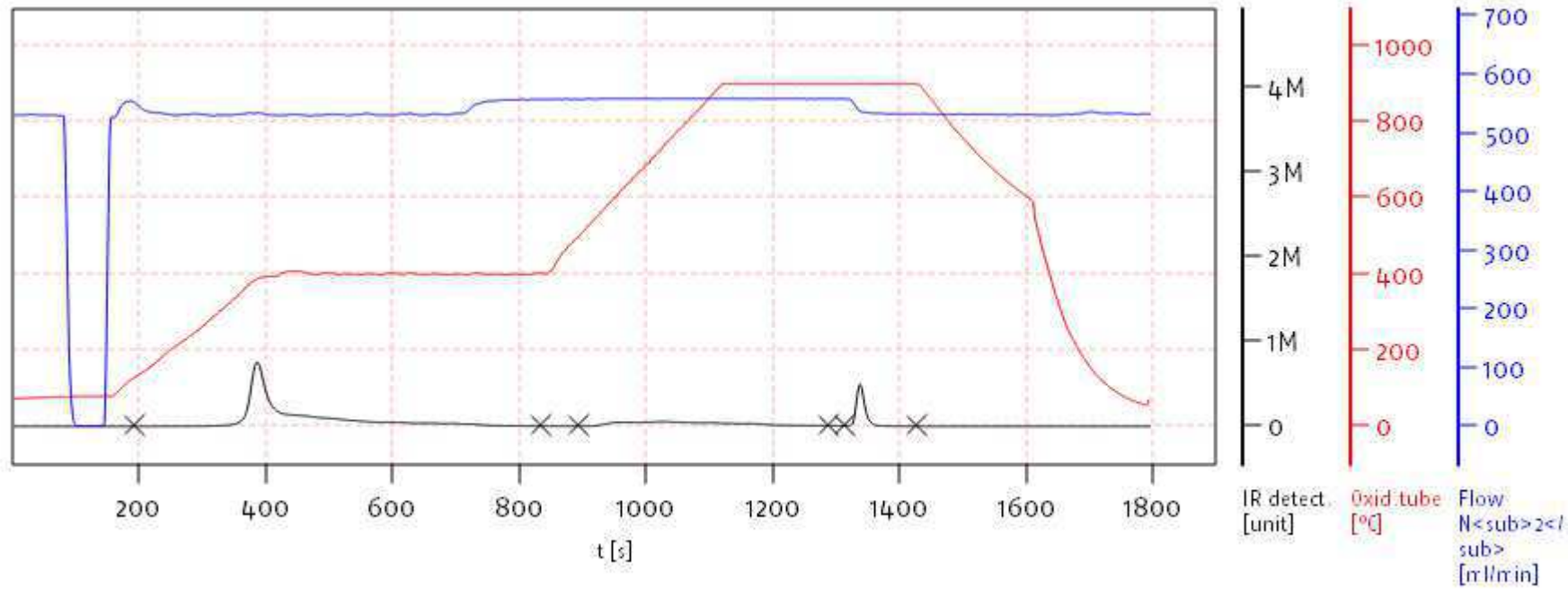
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0105-10	225.90		CARBON	12/13/2022 10:41 PM	bl	1.258	1 716 395	1.553	0.183	293 693	456 982	1.074	0.295	0.9279	1.0000



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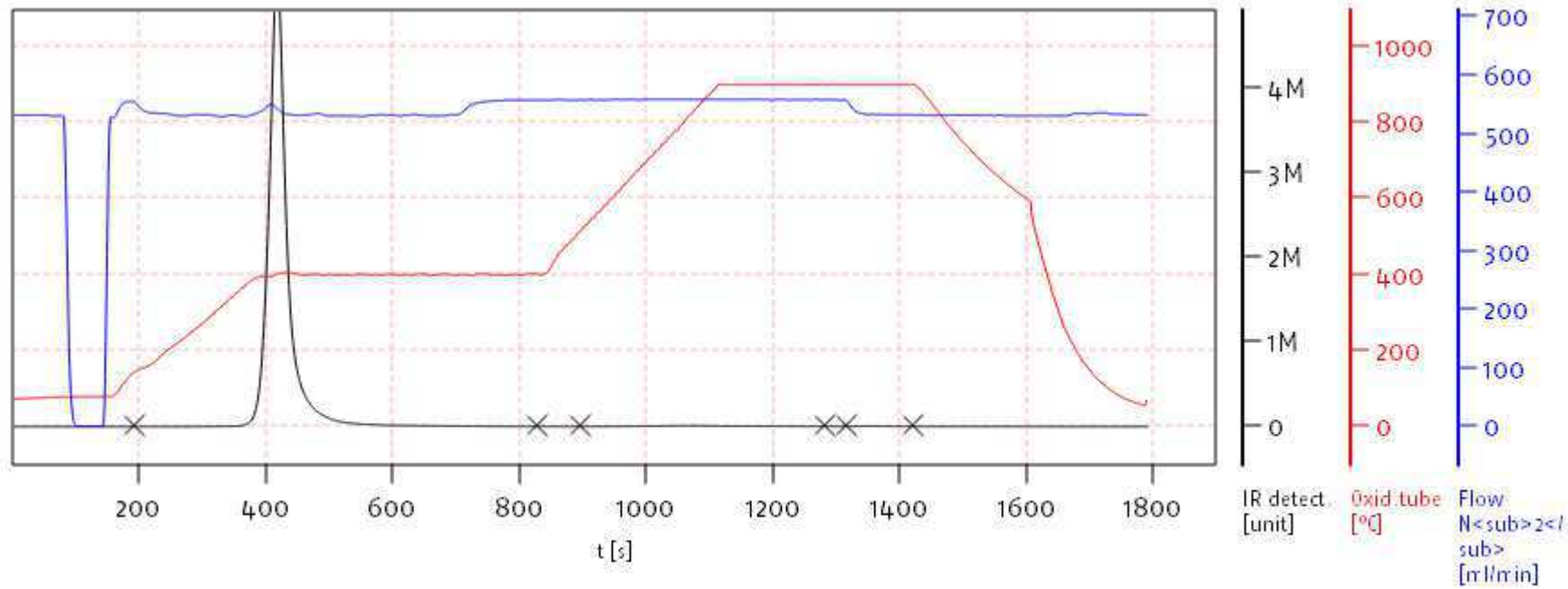
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0152-CCV6	21.70		CARBON	12/13/2022 11:11 PM	bl	44.465	6 744 270	44.826	0.000	16 317	77 150	44.465	0.361	0.9279	1.0000



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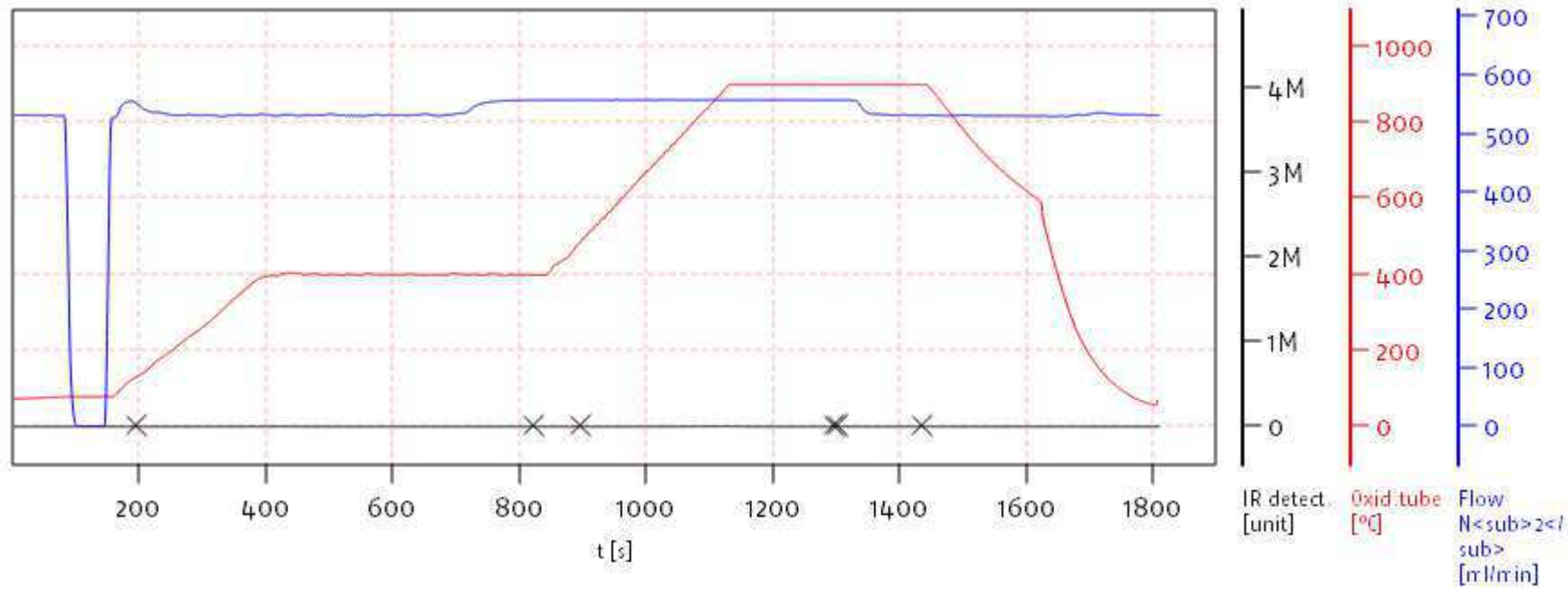
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0152-CCB6	519.30		CARBON	12/13/2022 11:42 PM	bl,C2u	0.000	5 705	0.000	0.000	298	9 452	0.000	0.000	0.9279	1.0000



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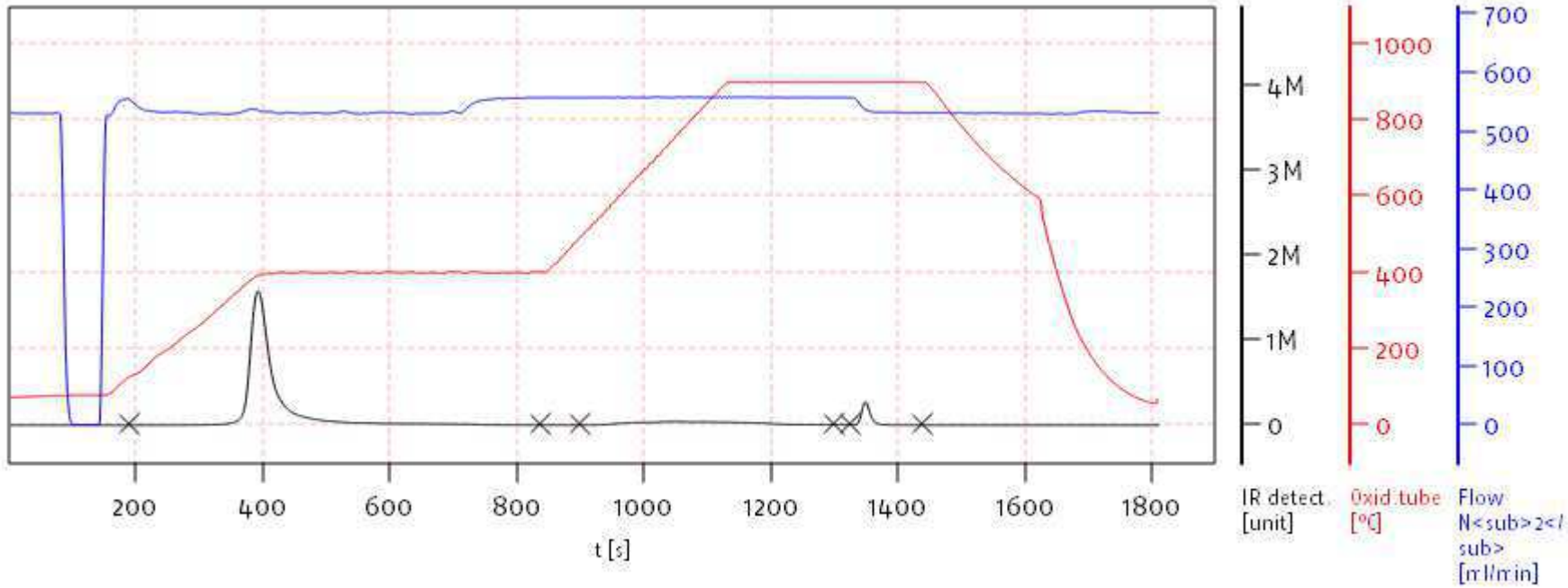
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	22L0105-11	226.70		CARBON	12/14/2022 12:12 AM	bl	1.665	2 505 947	1.876	0.094	163 798	336 128	1.571	0.211	0.9279	1.0000



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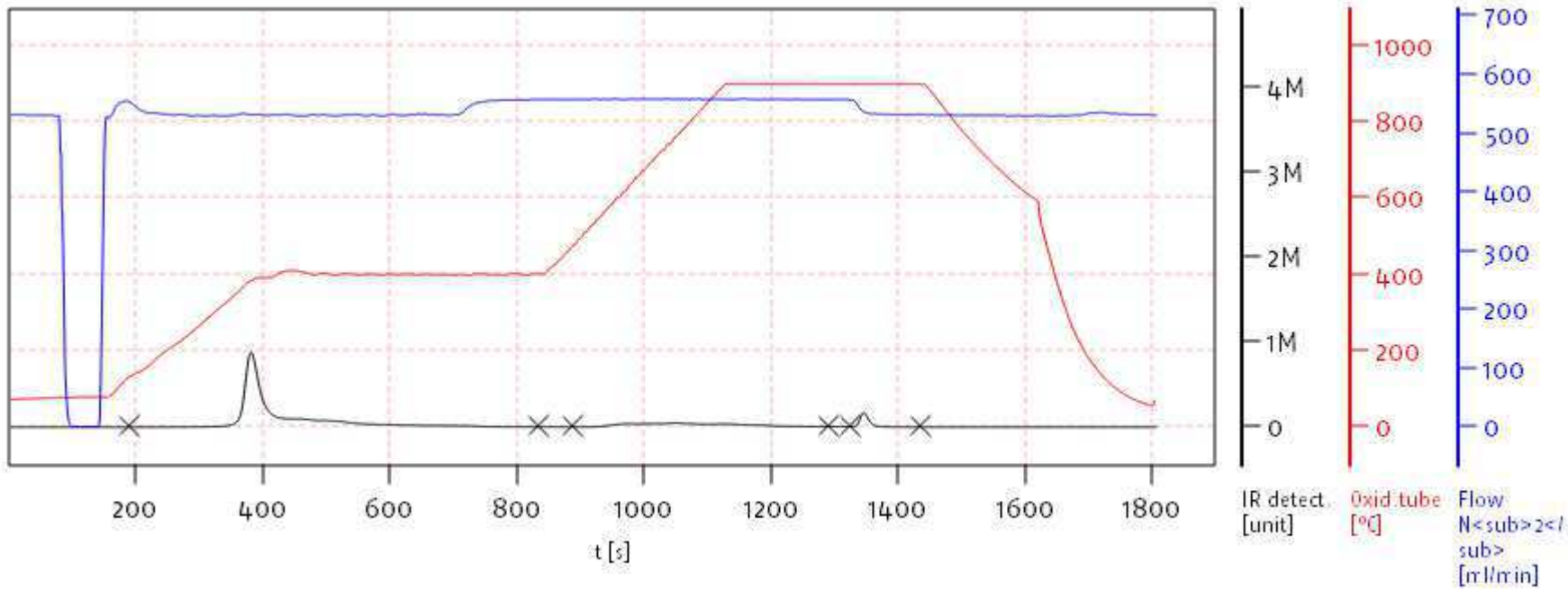
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	22L0105-12	204.60		CARBON	12/14/2022 12:43 AM	bl	1.117	1 531 132	1.379	0.061	107 014	372 254	1.056	0.262	0.9279	1.0000



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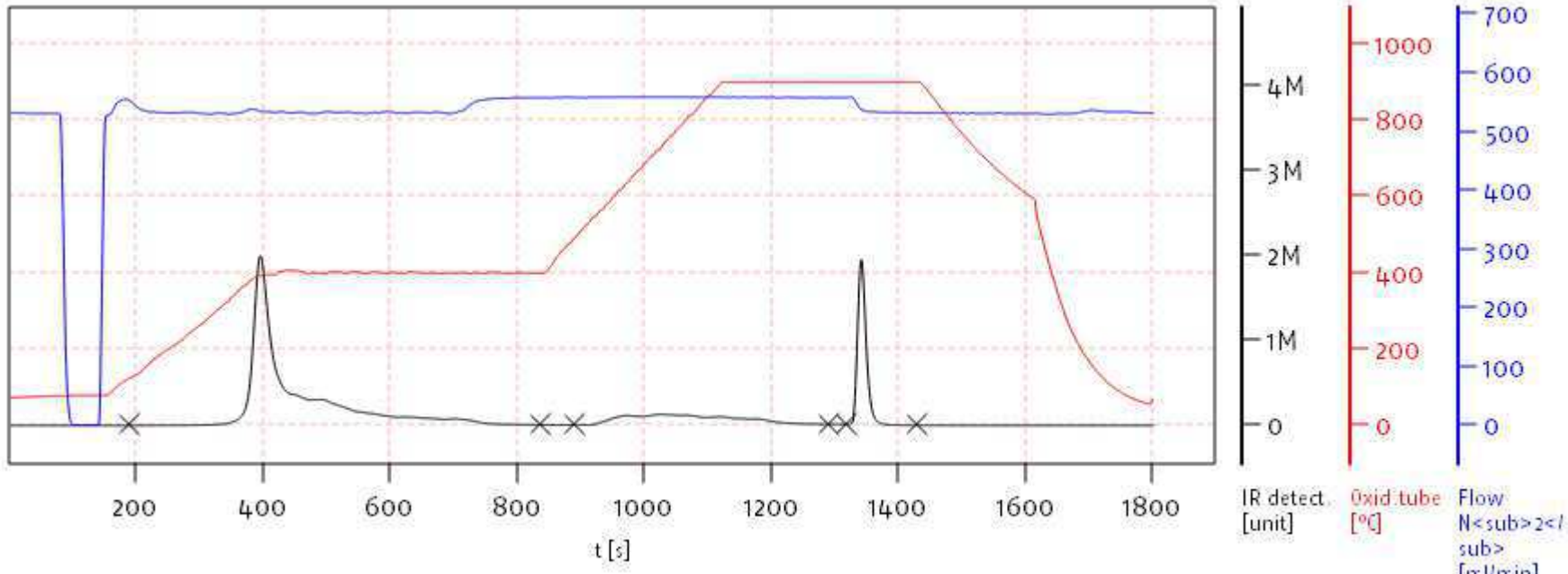
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	22L0105-13	537.90		CARBON	12/14/2022 1:13 AM	bl	1.508	4 440 859	1.814	0.329	1 169 123	1 091 294	1.179	0.306	0.9279	1.0000



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Balance: BAL3
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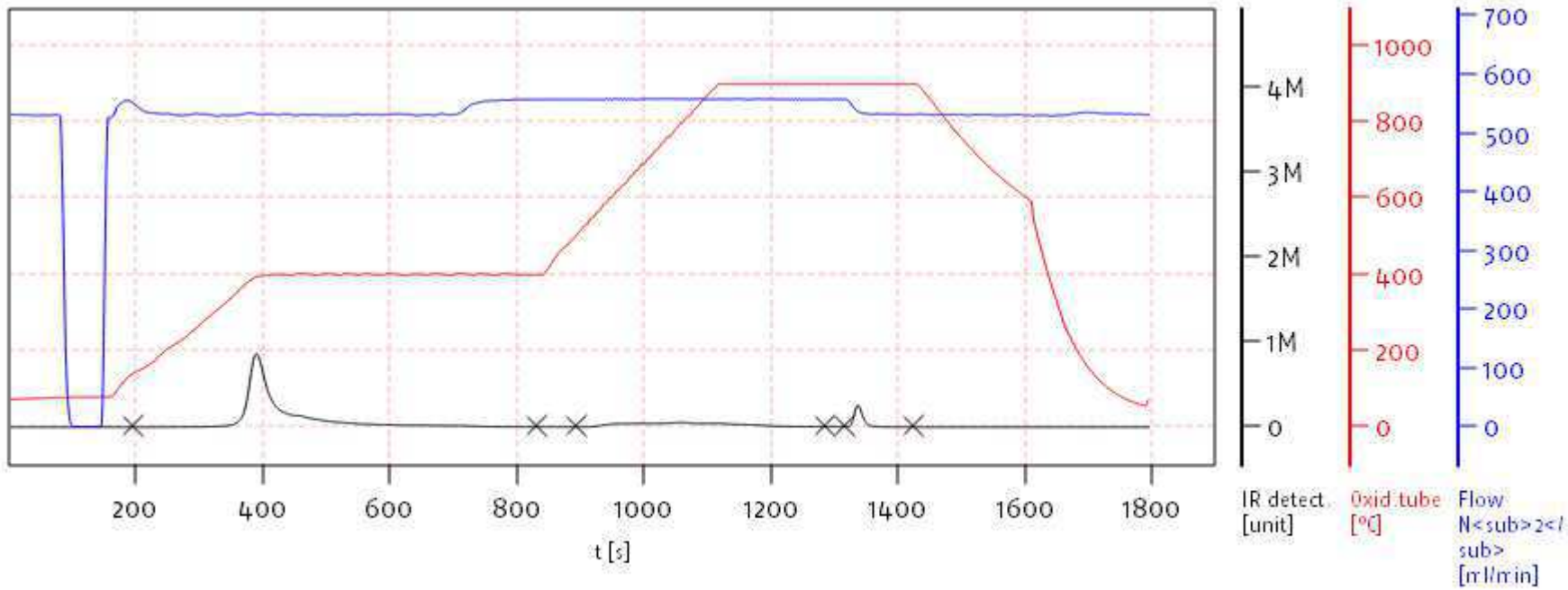
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0105-14	230.80		CARBON	12/14/2022 1:44 AM	bl	1.154	1 740 876	1.415	0.087	156 265	416 157	1.067	0.261	0.9279	1.0000



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Serial No: 0300.181017
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Balance: BAL3
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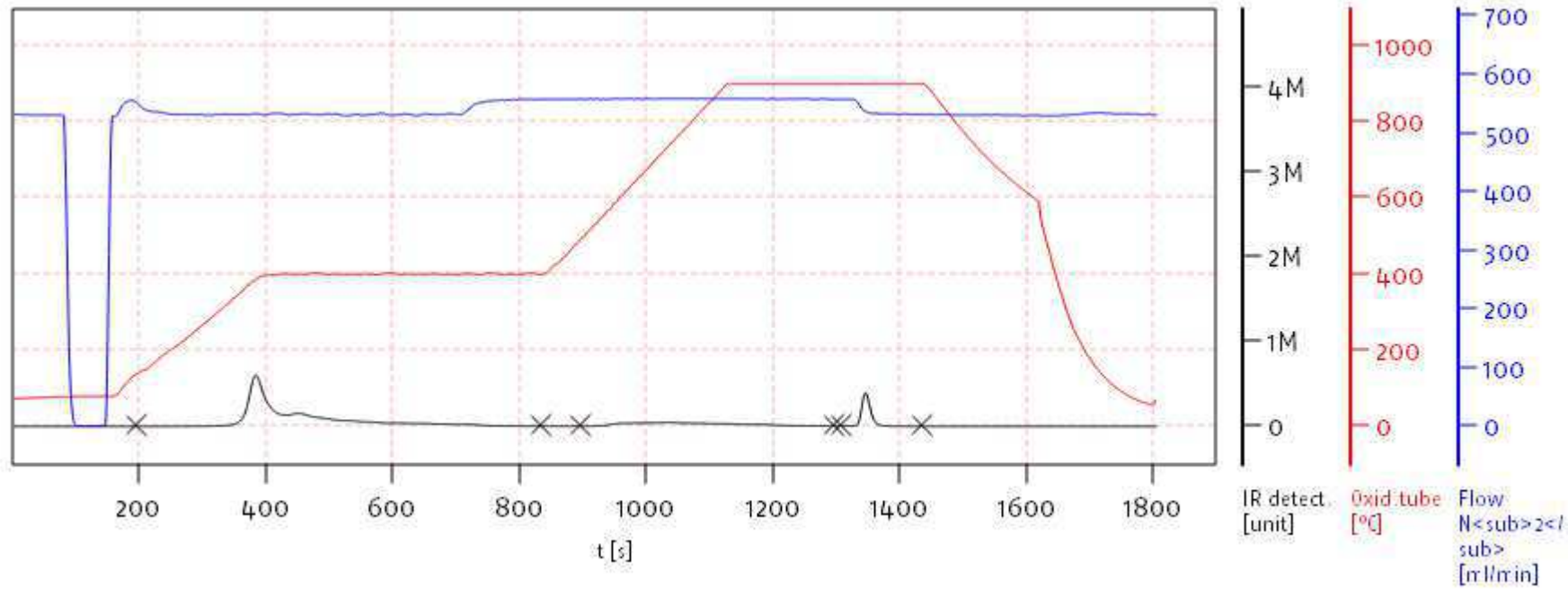
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22L0105-15	217.30		CARBON	12/14/2022 2:14 AM	bl	1.147	1 526 037	1.386	0.156	244 842	362 356	0.991	0.239	0.9279	1.0000



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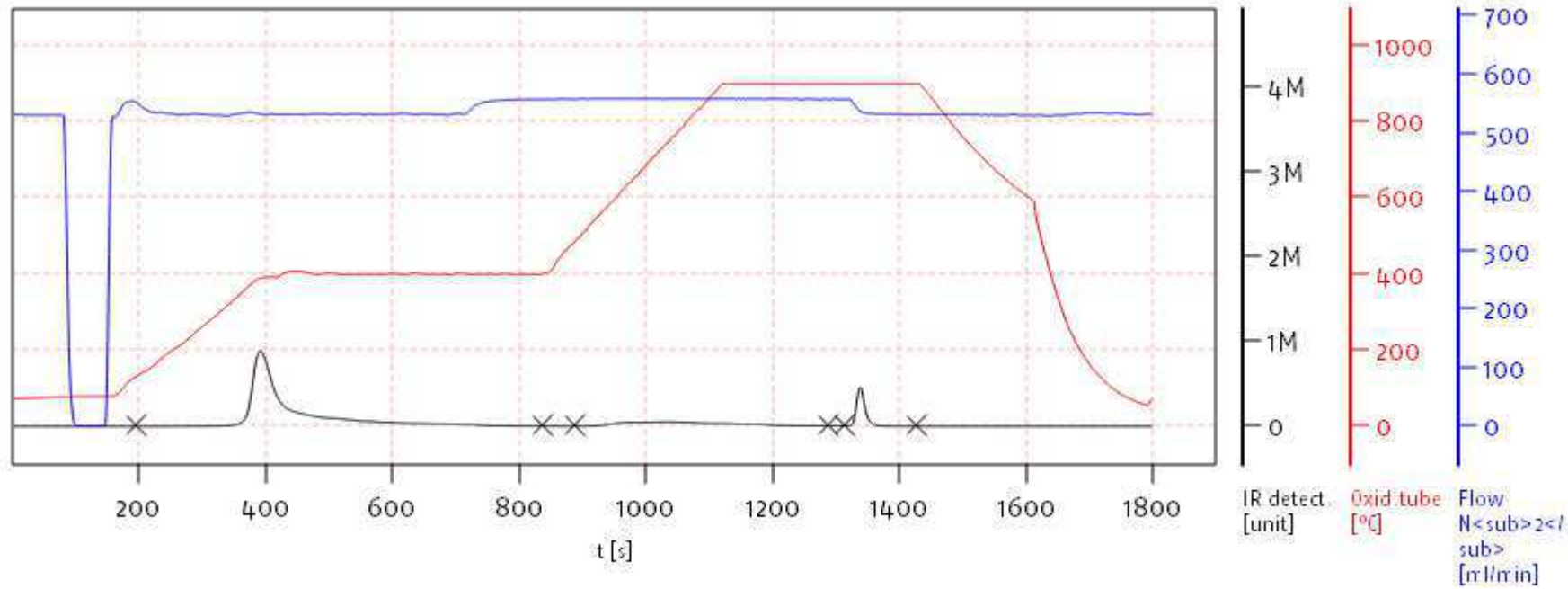
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22L0105-16	224.80		CARBON	12/14/2022 2:44 AM	bl	1.480	2 078 047	1.748	0.170	272 683	415 174	1.311	0.268	0.9279	1.0000



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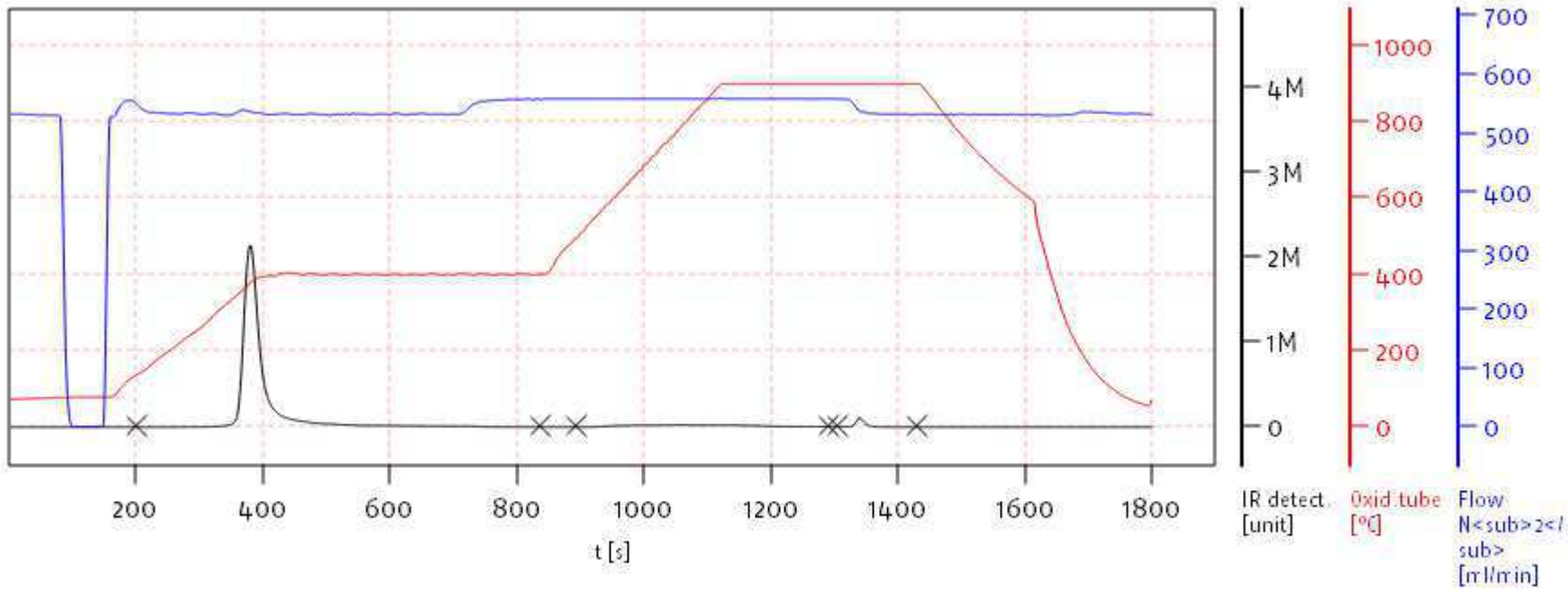
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22L0105-17	178.00		CARBON	12/14/2022 3:15 AM	bl	2.162	2 659 781	2.330	0.037	68 712	220 145	2.125	0.168	0.9279	1.0000



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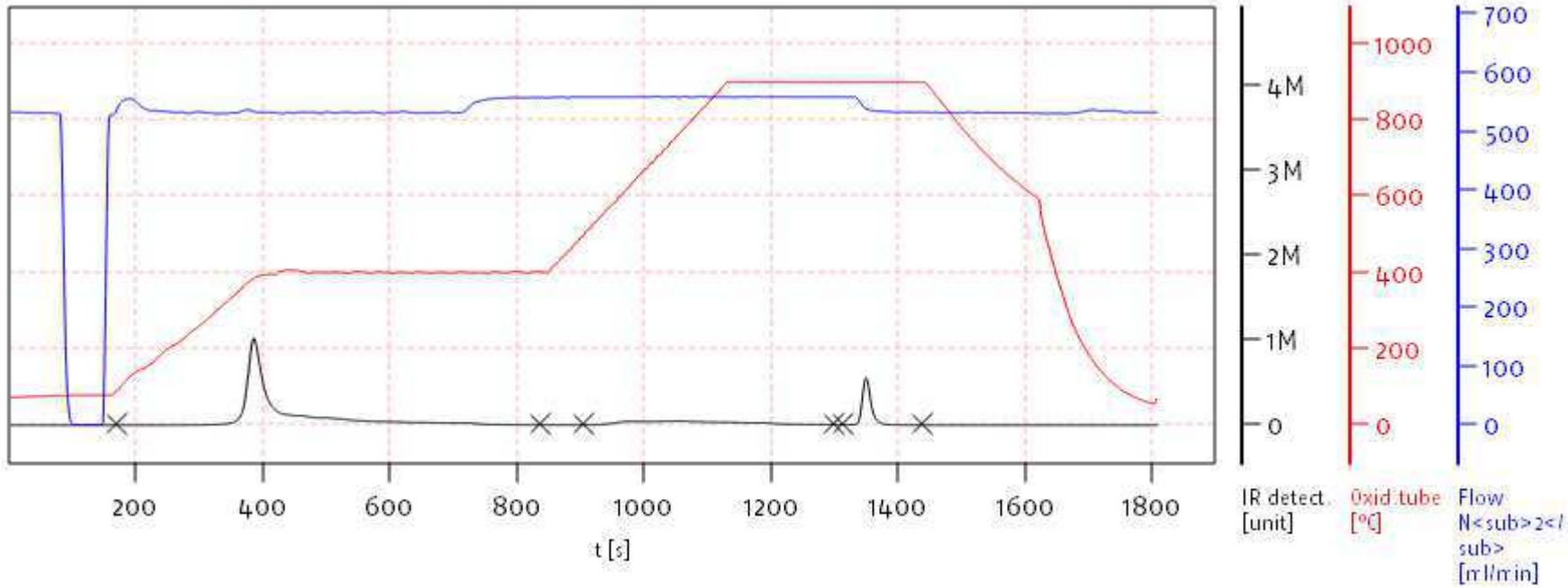
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0105-18	193.70		CARBON	12/14/2022 3:45 AM	bl	1.588	1 833 699	1.885	0.248	336 682	398 219	1.340	0.297	0.9279	1.0000



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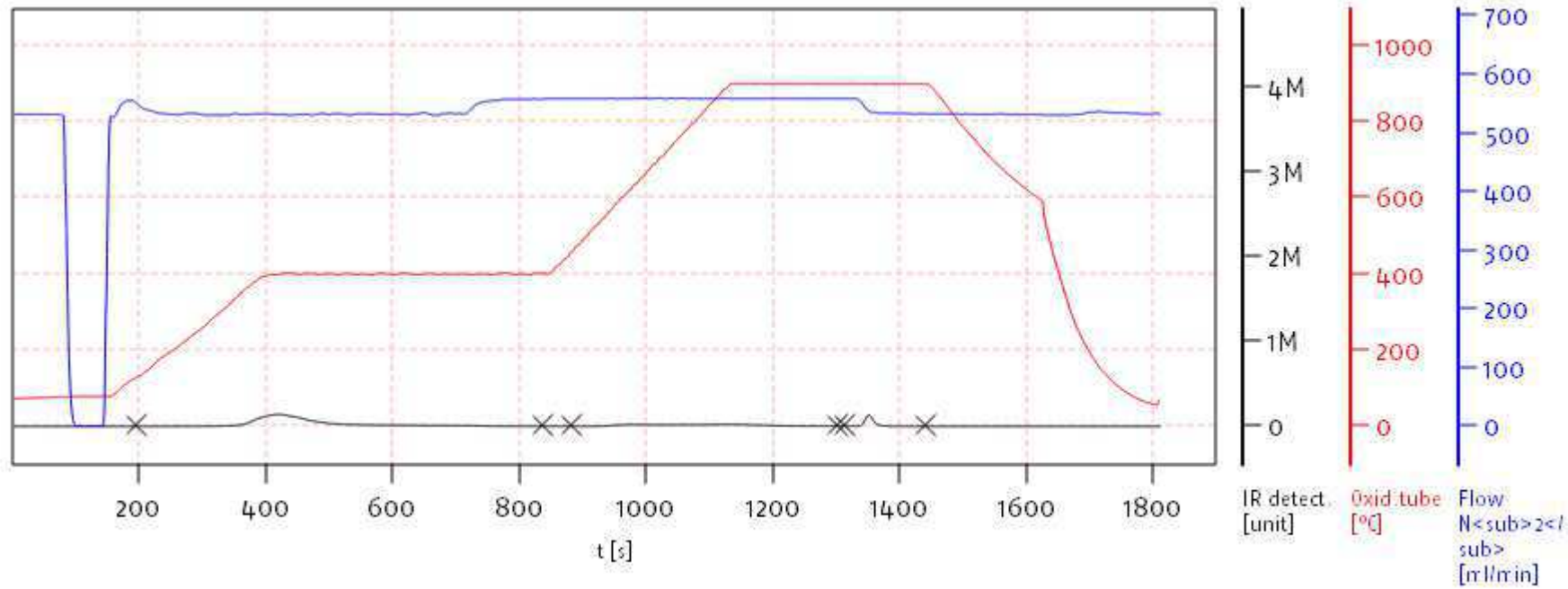
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	22L0105-19	172.30		CARBON	12/14/2022 4:16 AM	bl	0.547	620 419	0.703	0.052	84 301	200 301	0.495	0.156	0.9279	1.0000



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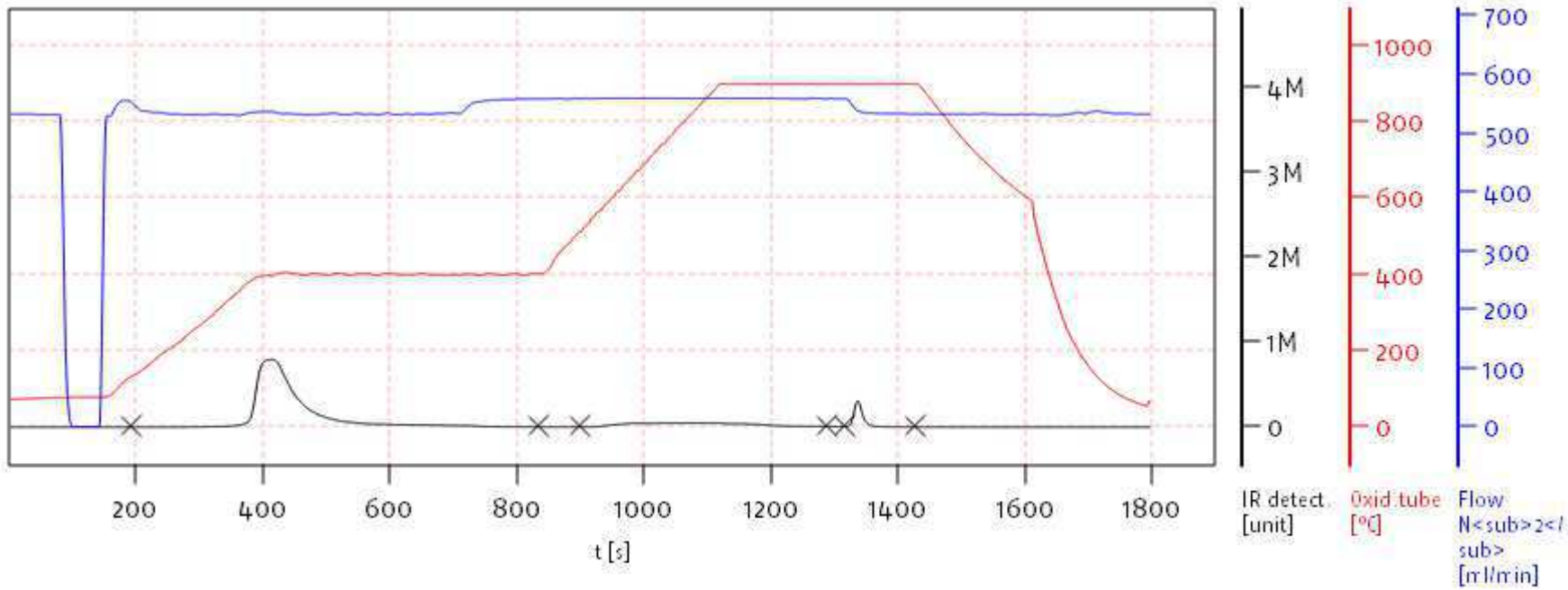
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	22L0105-20	505.90		CARBON	12/14/2022 4:46 AM	bl	0.717	2 376 096	0.844	0.050	189 425	441 919	0.667	0.127	0.9279	1.0000



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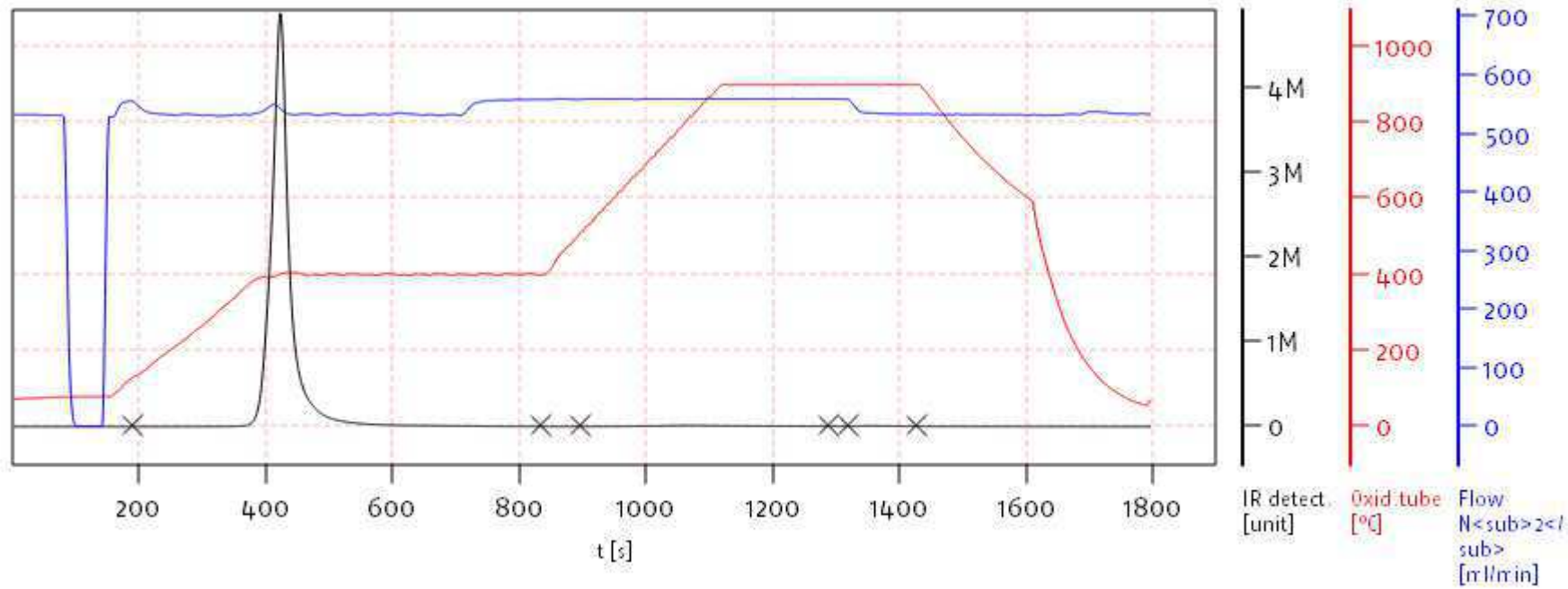
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0152-CCV7	20.40		CARBON	12/14/2022 5:17 AM	bl	43.135	6 152 890	43.675	0.000	23 801	97 655	43.135	0.540	0.9279	1.0000



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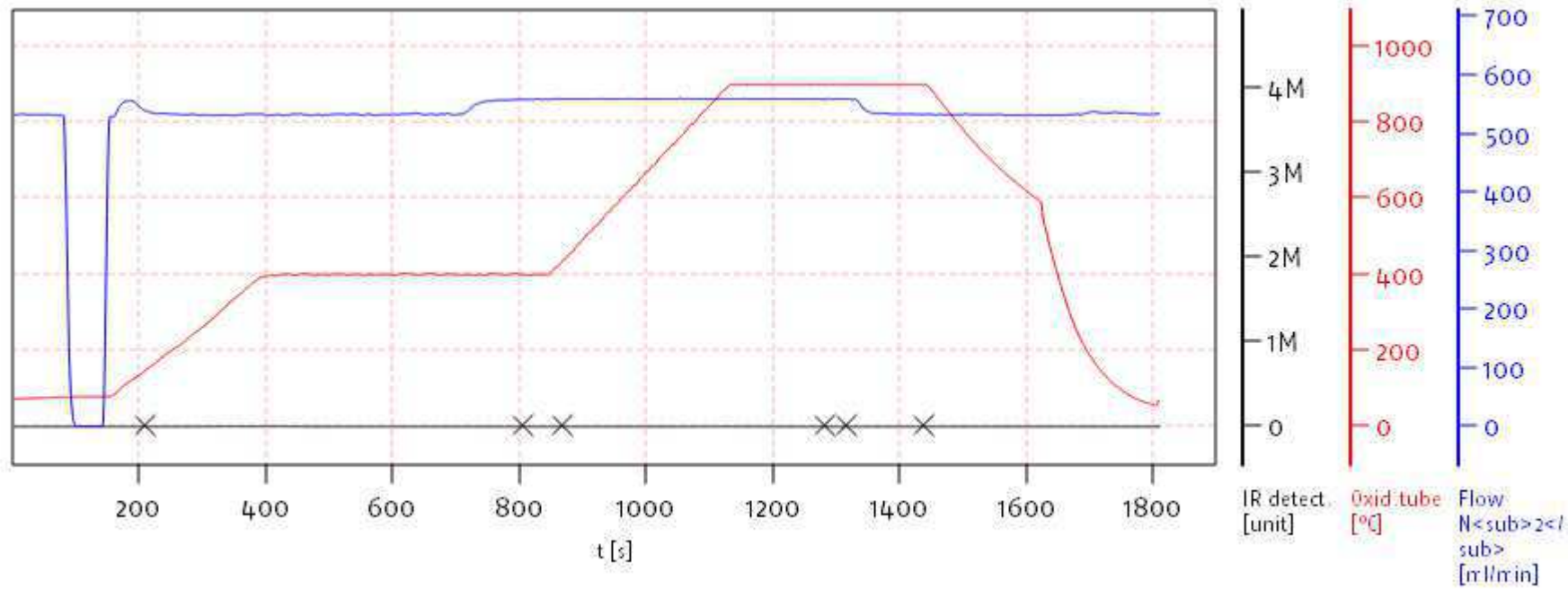
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0152-CCB7	519.00		CARBON	12/14/2022 5:47 AM	bl,C2u	0.000	13 112	0.000	0.000	282	5 125	0.000	0.000	0.9279	1.0000



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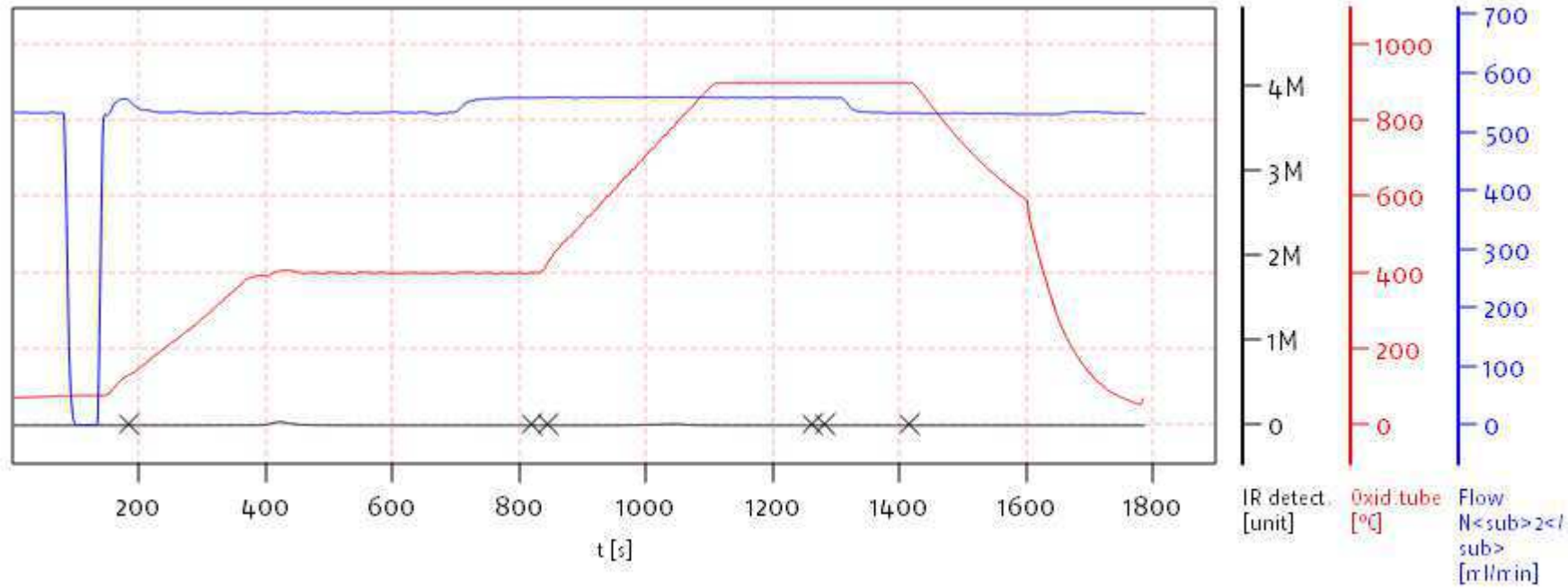
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
90	1	BKL0268-MRL1	506.20		CARBON	12/14/2022 6:17 AM	bl,C2u	0.012	67 645	0.014	0.000	647	35 302	0.012	0.003	0.9279	1.0000



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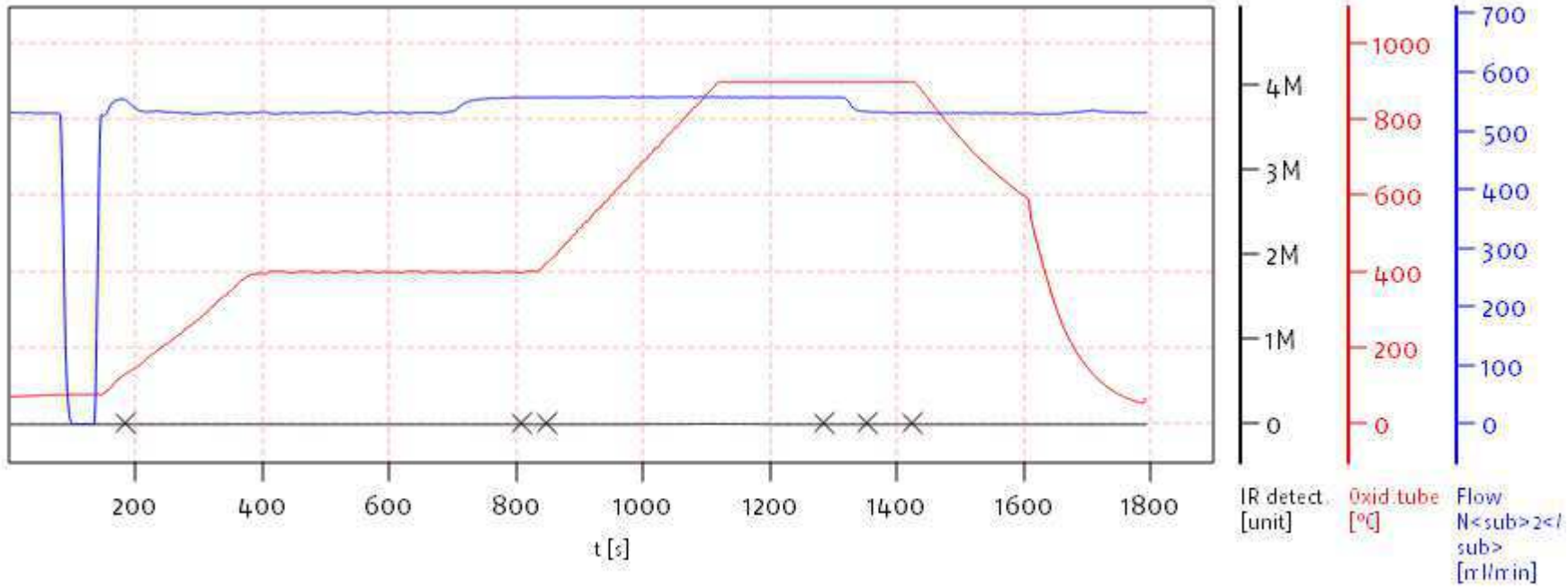
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
91	2	BKL0268-BLK1	504.80		CARBON	12/14/2022 6:48 AM	bl,C2u	0.000	8 543	0.001	0.000	283	30 798	0.000	0.001	0.9279	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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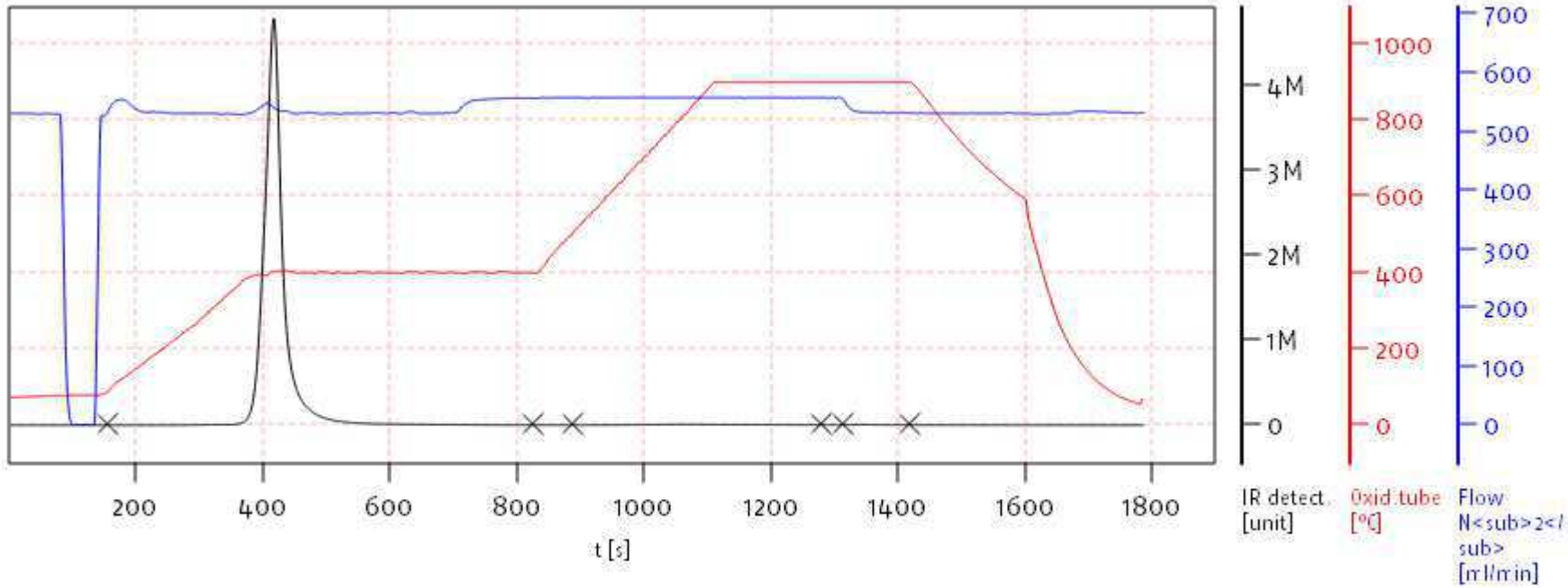
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
92	3	BKL0268-BS1	19.60		CARBON	12/14/2022 7:18 AM	bl	44.046	6 036 981	44.427	0.000	15 508	74 741	44.046	0.381	0.9279	1.0000



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Balance: BAL3
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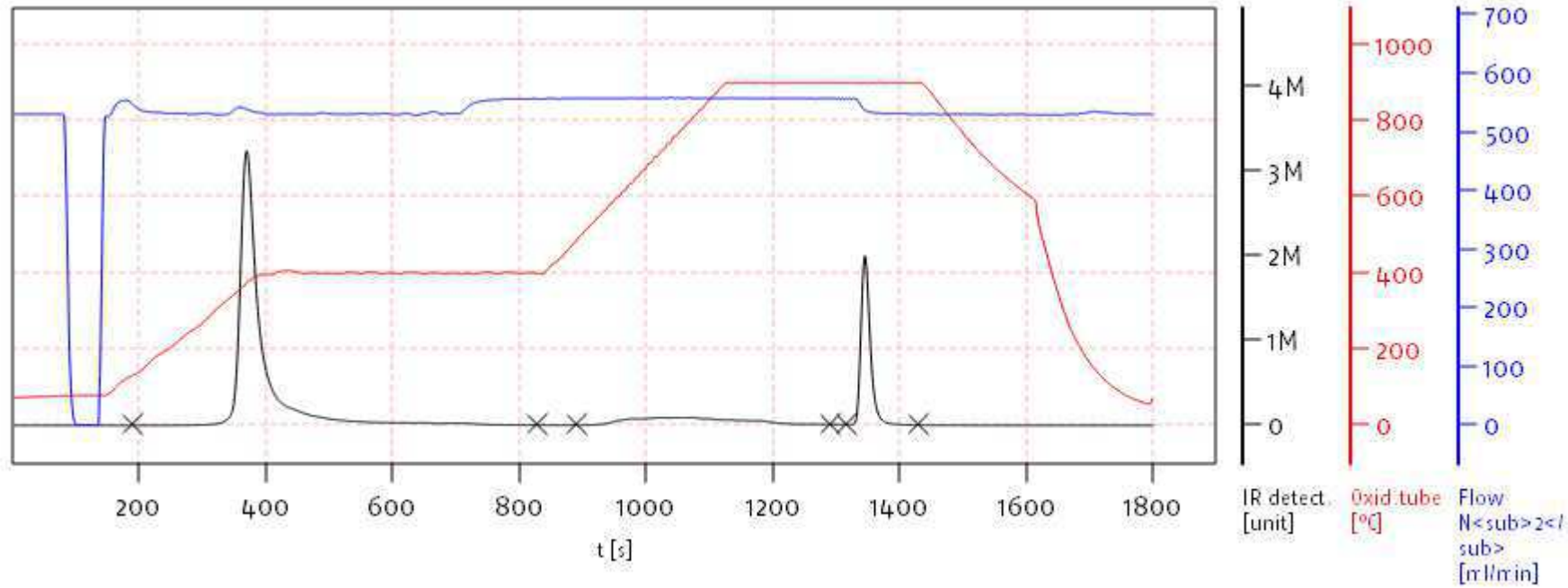
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
93	4	BKL0268-SRM1	294.80		CARBON	12/14/2022 7:48 AM	bl	2.886	4 578 426	3.276	0.668	1 298 849	768 664	2.218	0.390	0.9279	1.0000



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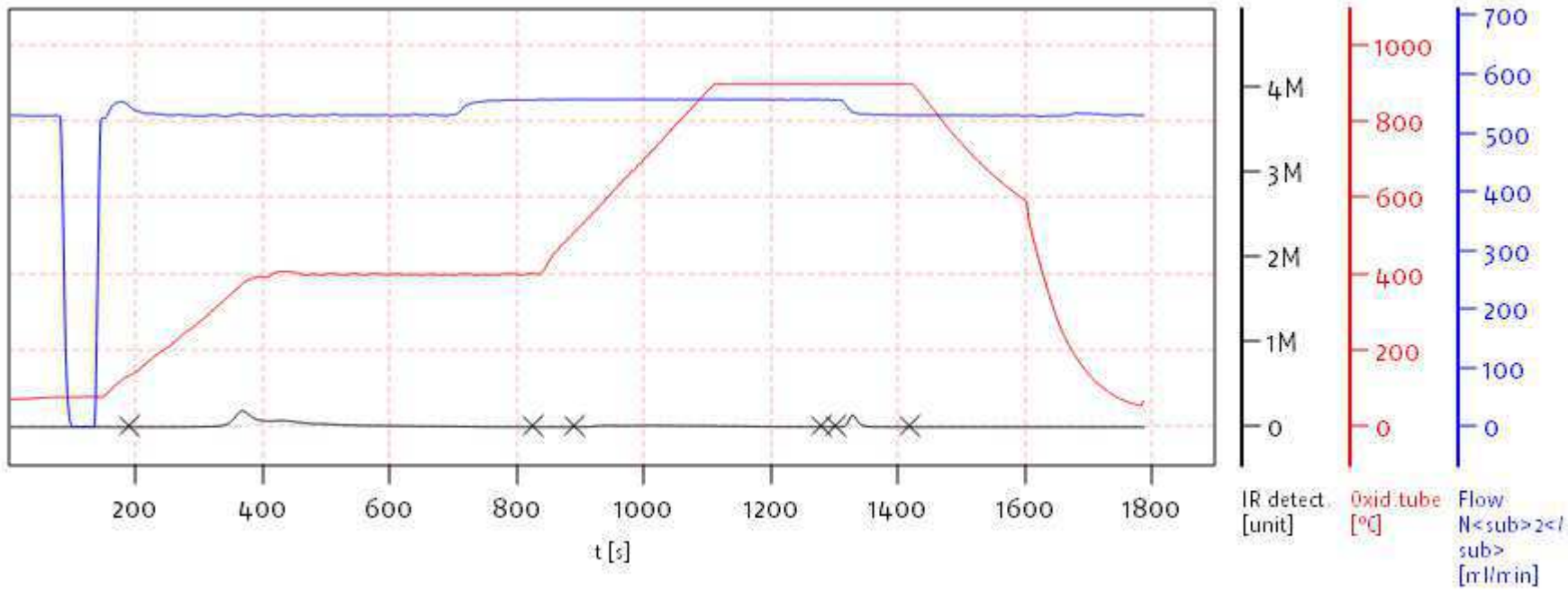
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
94	5	22L0105-21	103.60		CARBON	12/14/2022 8:18 AM	bl	0.922	627 041	1.107	0.090	86 709	150 210	0.833	0.185	0.9279	1.0000



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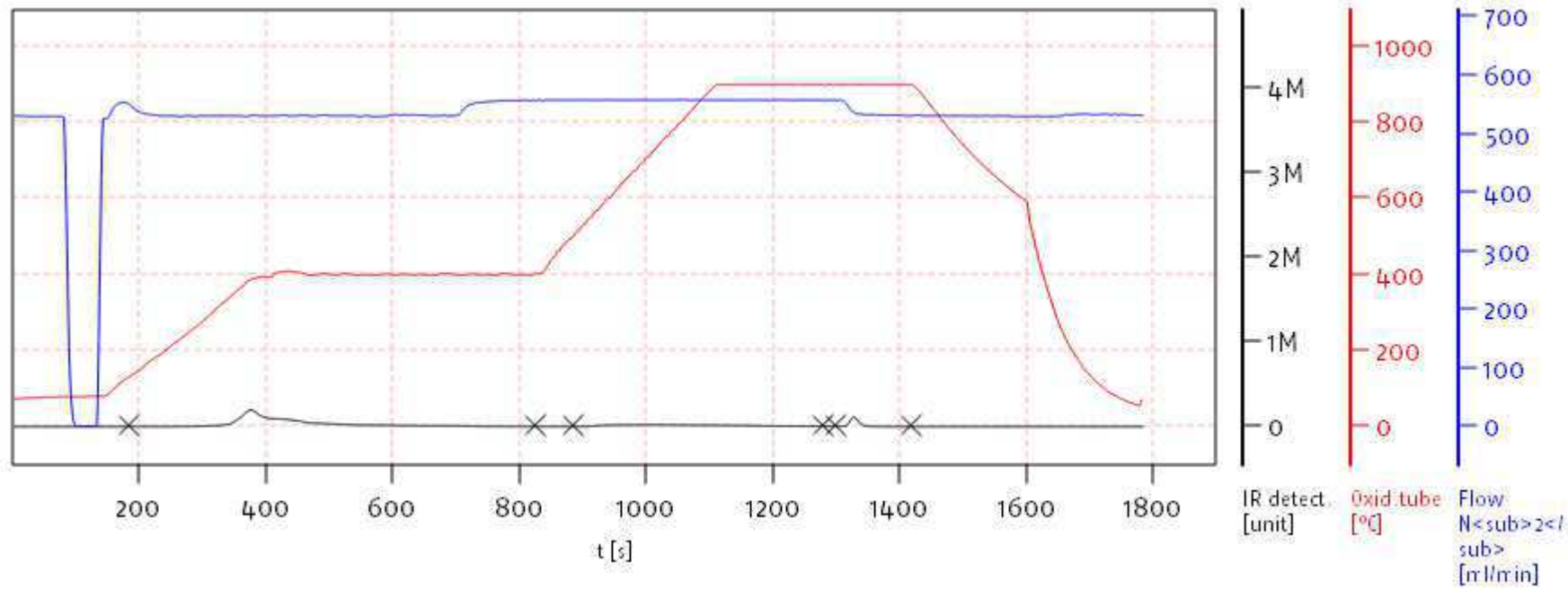
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	BKL0268-DUP1	112.70		CARBON	12/14/2022 8:49 AM	bl	0.902	686 956	1.123	0.060	70 088	187 794	0.842	0.222	0.9279	1.0000



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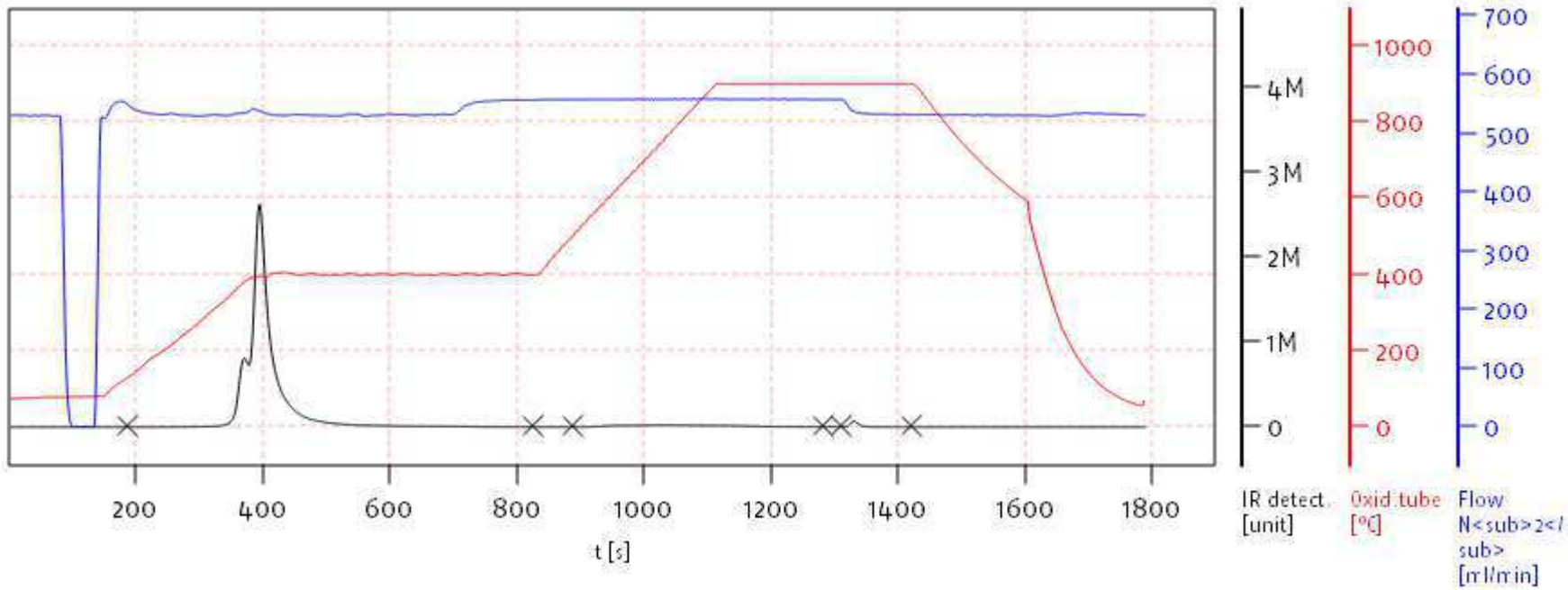
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
96	7	BKL0268-MS1	103.10	0.0097	CARBON	12/14/2022 9:19 AM	bl	5.184	3 730 640	5.426	0.023	42 088	187 675	5.160	0.242	0.9279	1.0000



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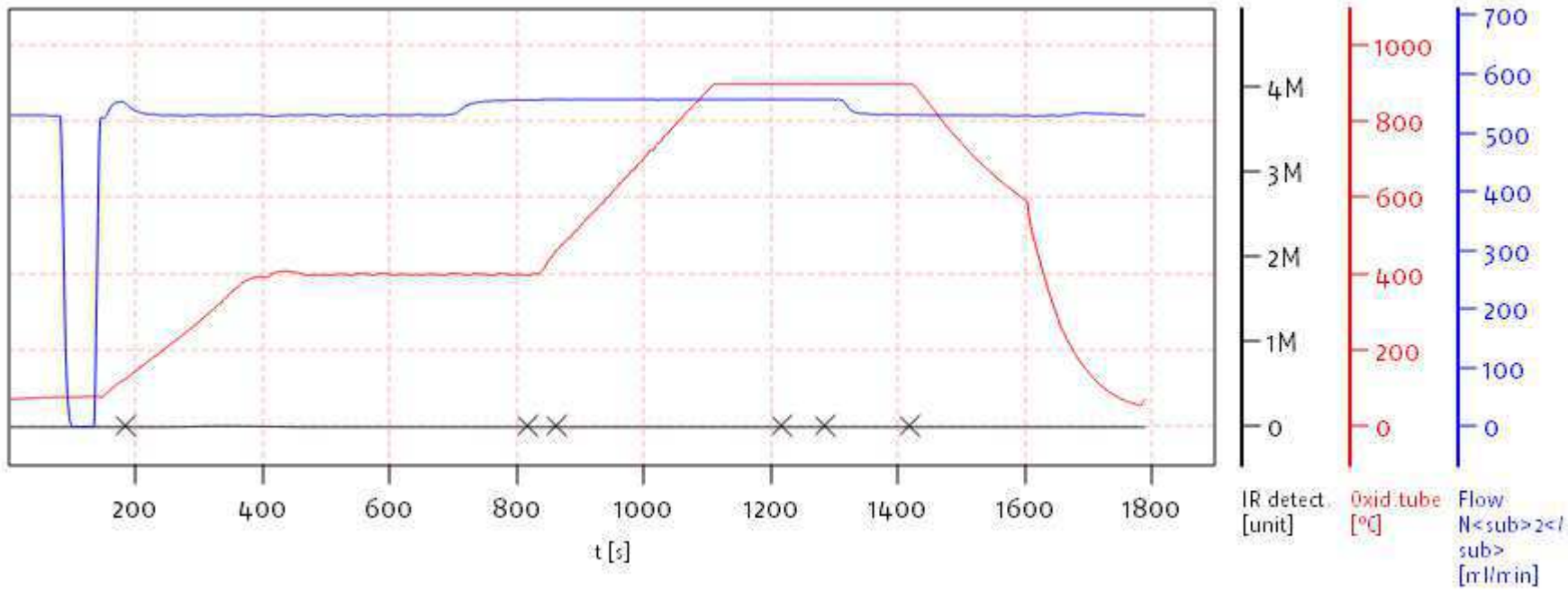
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
97	8	BLANK	1.00		CARBON	12/14/2022 9:49 AM	bl	0.000	52 948	0.000	0.000	362	2 050	0.000	0.000	0.9279	1.0000



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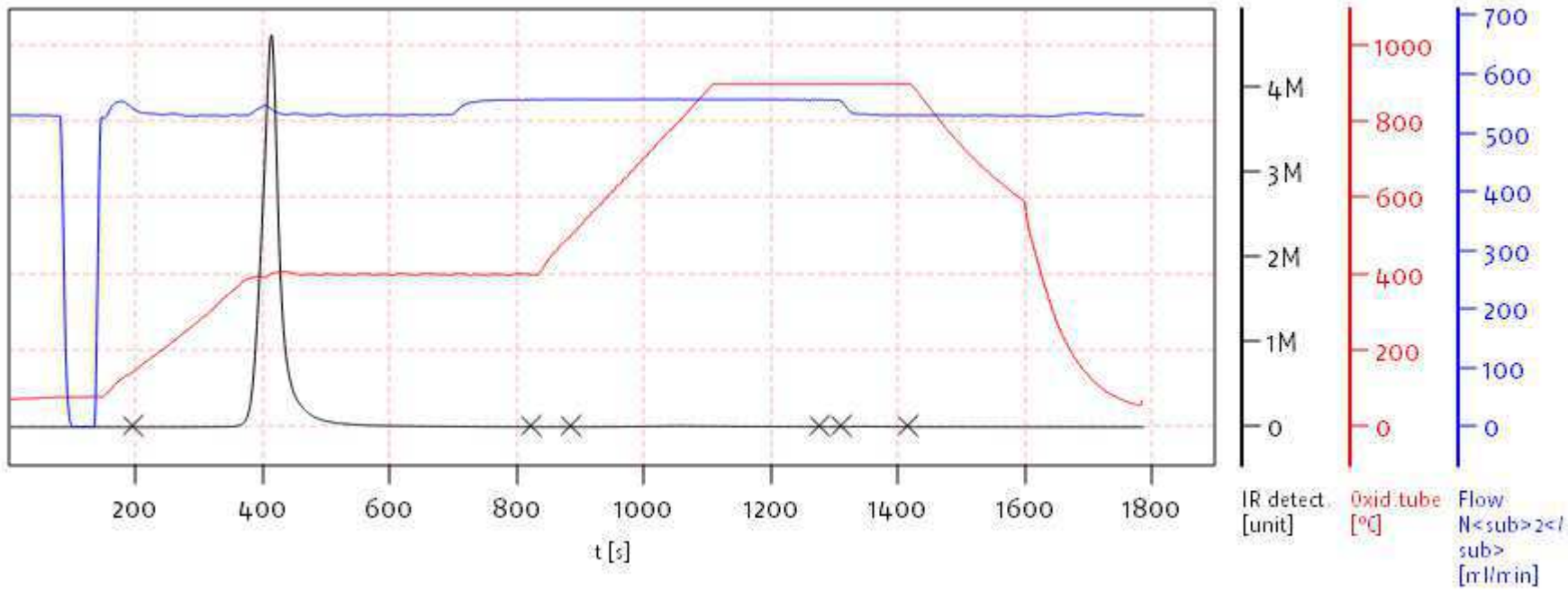
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
98	9	Dfactor	19.40		CARBON	12/14/2022 10:19 AM	bl	44.446	5 888 489	44.963	0.000	19 890	91 365	44.446	0.517	0.9502	1.0000



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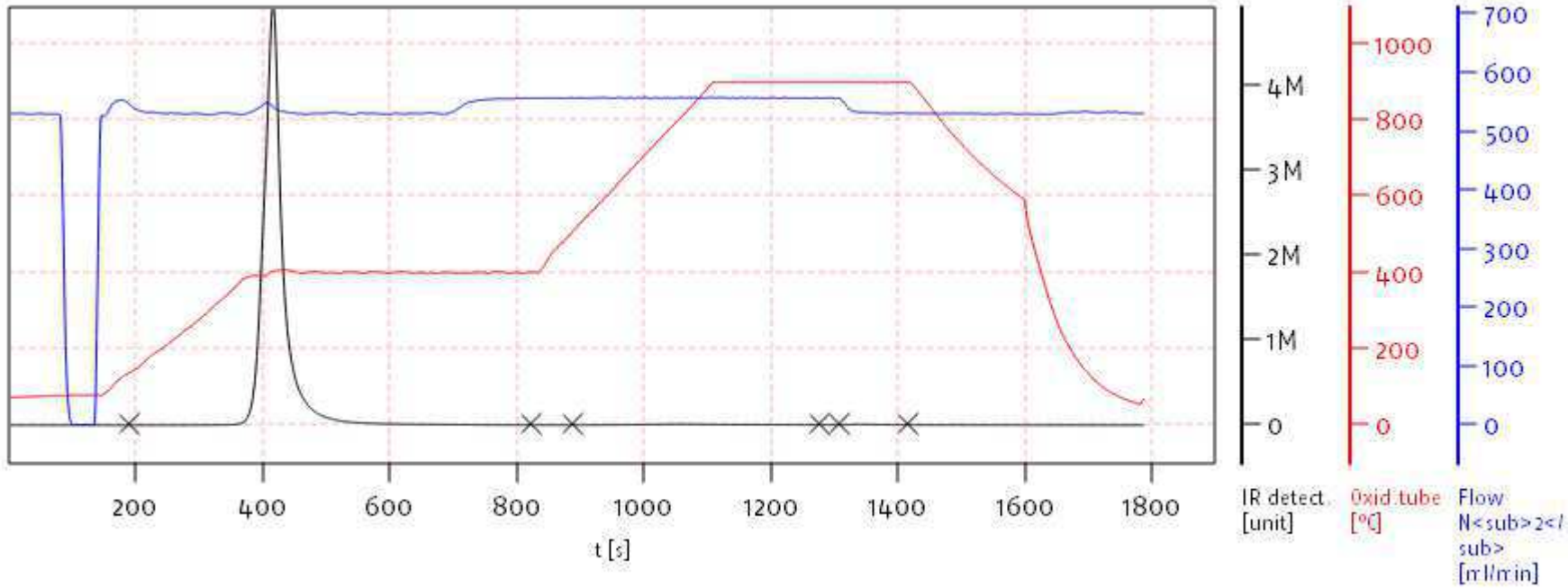
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
99	10	Dfactor	21.20		CARBON	12/14/2022 10:49 AM	bl	44.446	6 456 981	44.894	0.000	22 257	87 979	44.446	0.449	0.9466	1.0000



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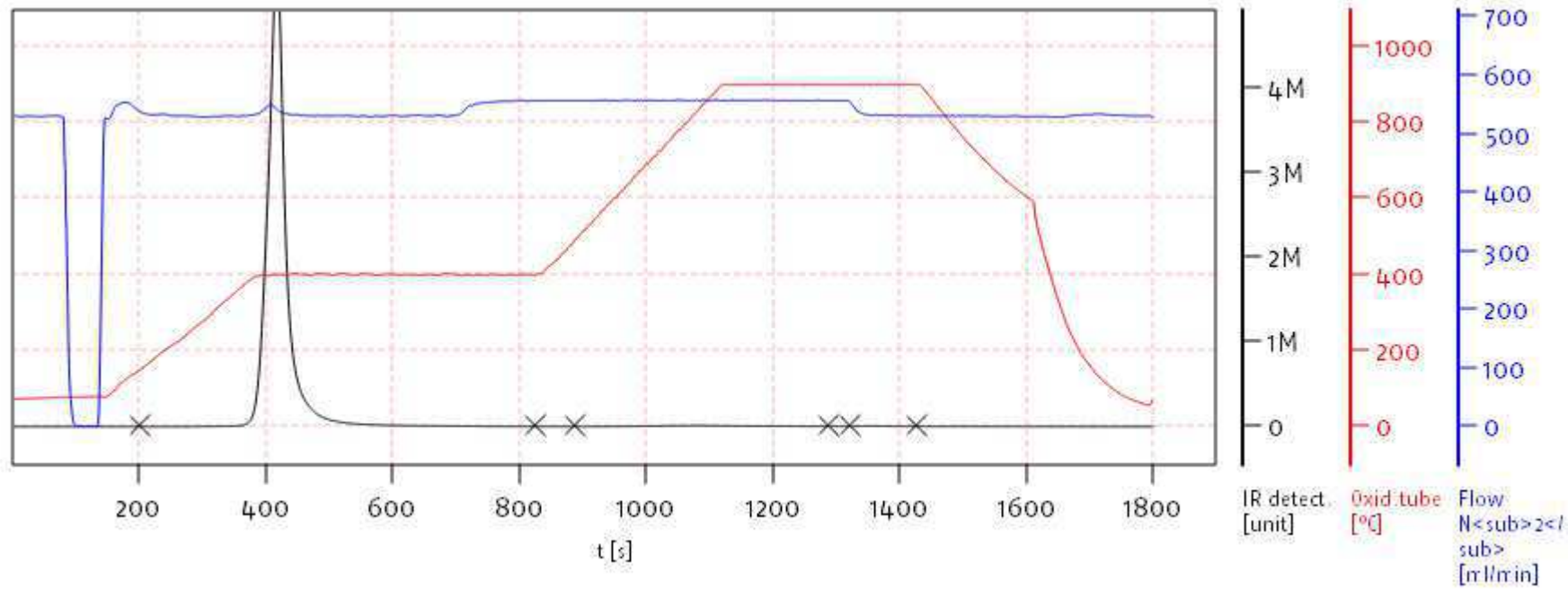
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
100	11	SKL0152-CCV8	22.10		CARBON	12/14/2022 11:20 AM	bl	45.244	6 837 349	45.698	0.000	19 529	91 275	45.244	0.453	0.9484	1.0000



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Serial No: 0300.181017
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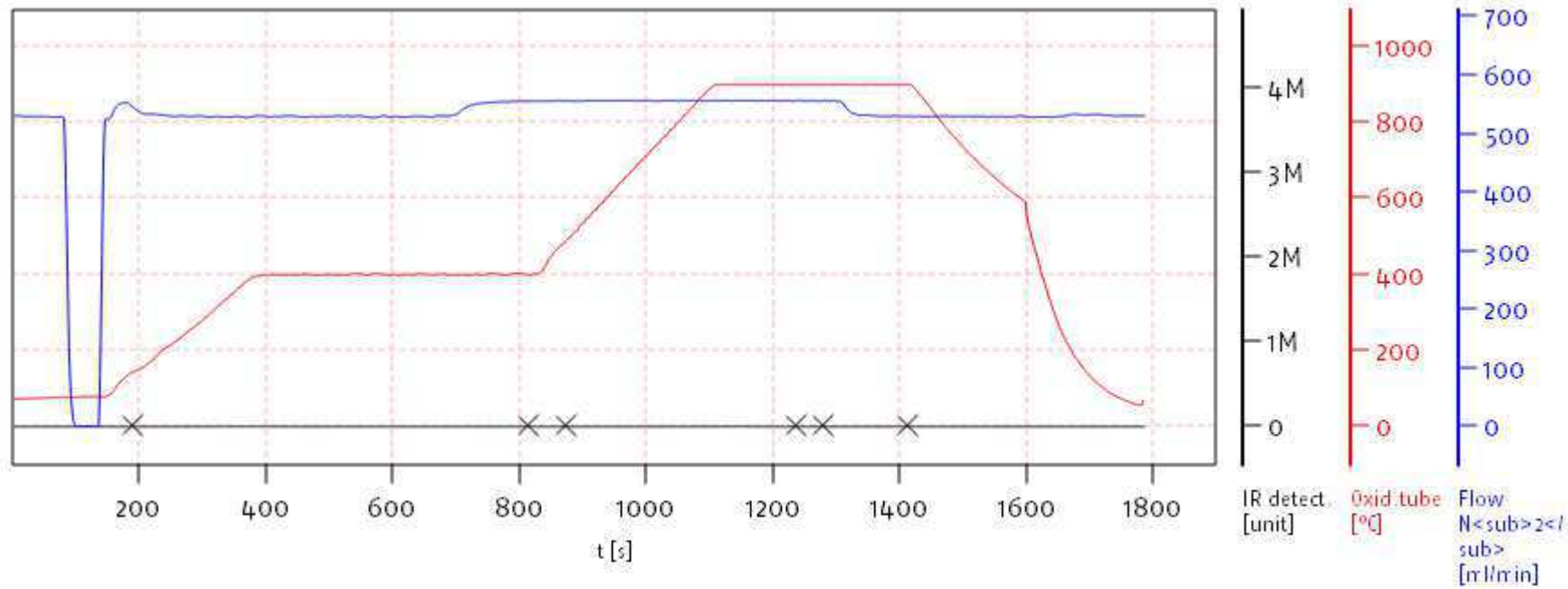
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
101	12	SKL0152-CCB8	510.30		CARBON	12/14/2022 11:50 AM	bl,C2u	0.000	6 811	0.000	0.000	573	5 797	0.000	0.000	0.9484	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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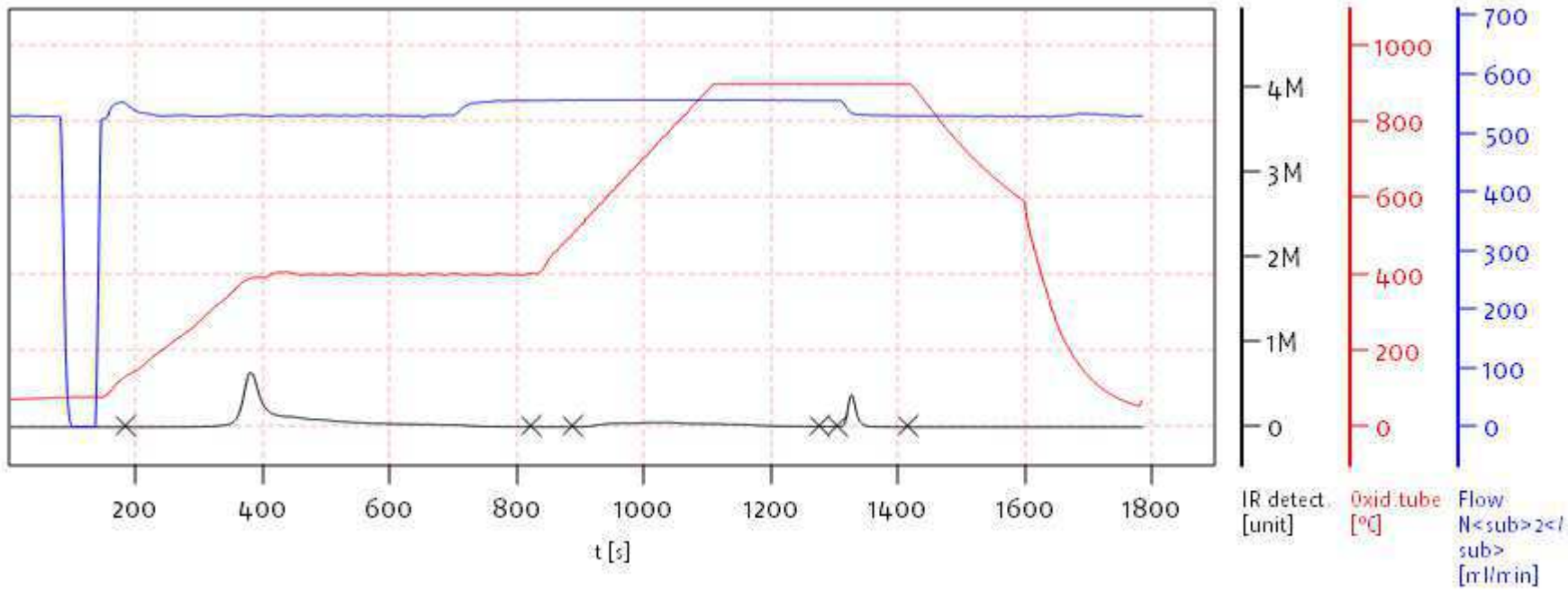
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
102	13	22L0105-22	262.90		CARBON	12/14/2022 12:20 PM	bl	0.964	1 542 962	1.203	0.117	225 347	433 285	0.847	0.240	0.9484	1.0000



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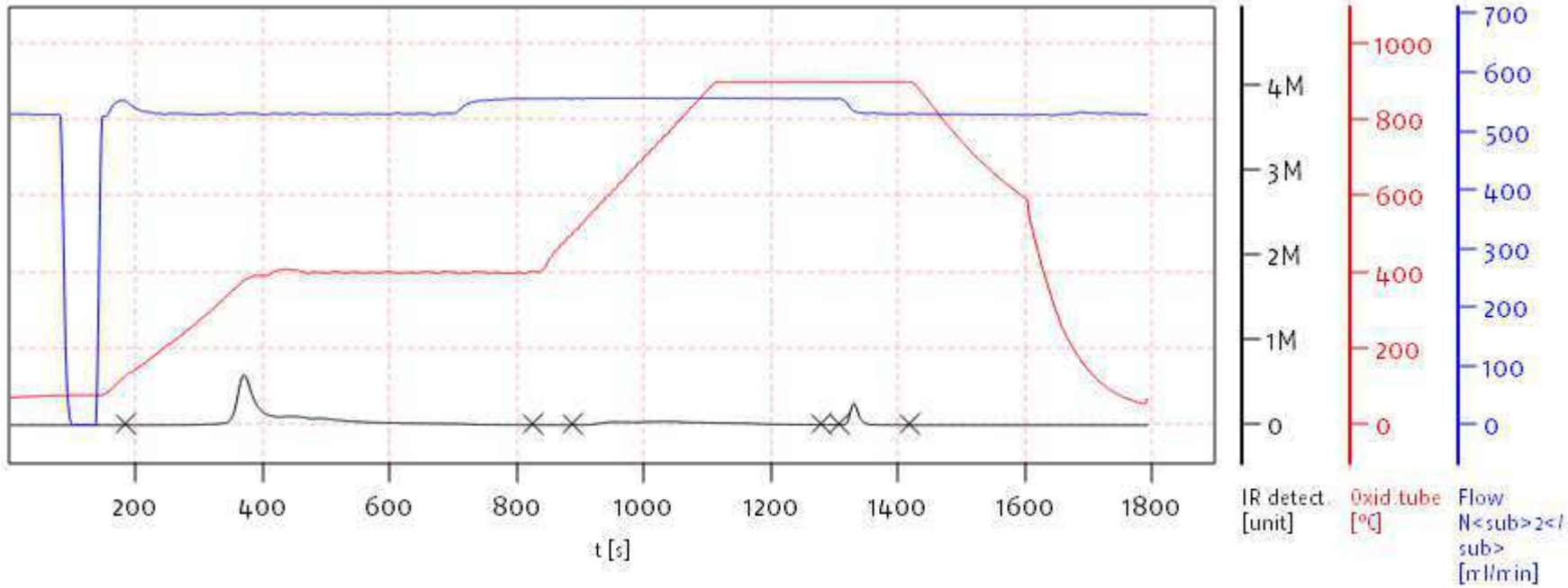
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
103	14	22L0105-23	193.70		CARBON	12/14/2022 12:51 PM	bl	1.084	1 322 391	1.334	0.102	154 473	338 359	0.982	0.249	0.9484	1.0000



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Serial No: 0300.181017
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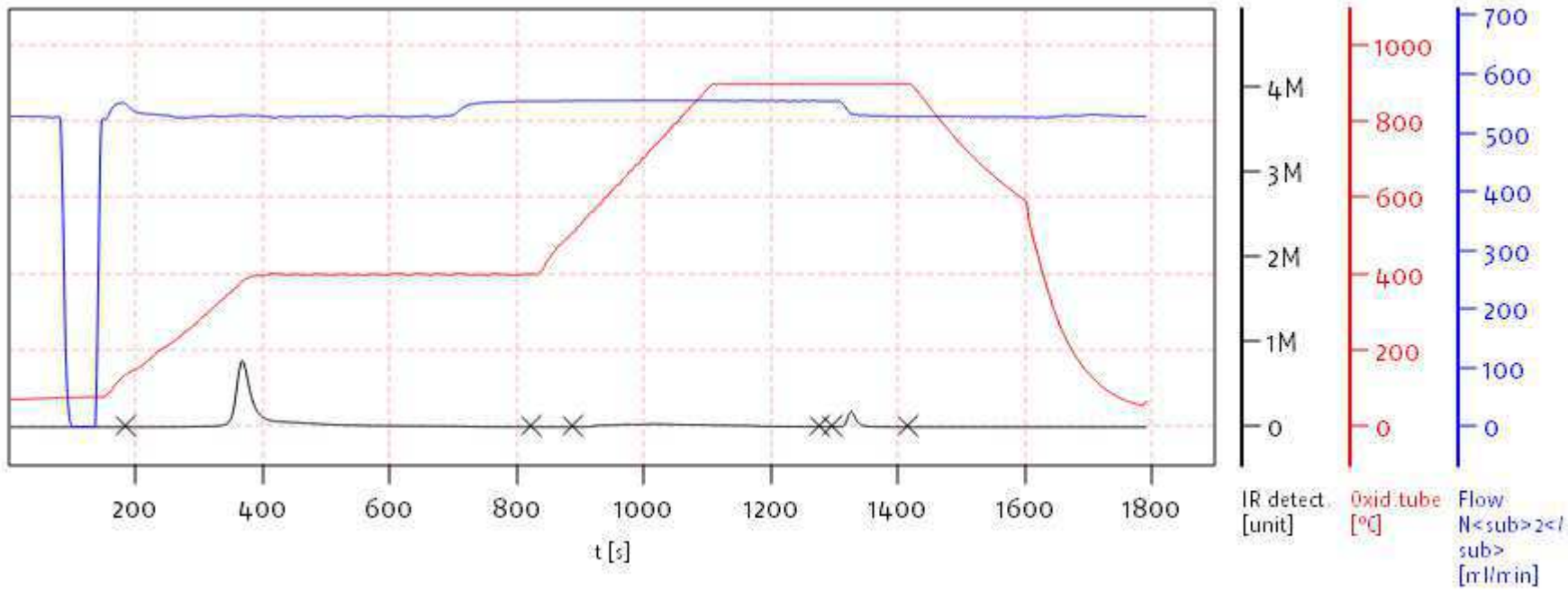
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
104	15	22L0105-24	144.60		CARBON	12/14/2022 1:21 PM	bl	1.251	1 164 109	1.513	0.096	115 877	271 280	1.155	0.262	0.9484	1.0000



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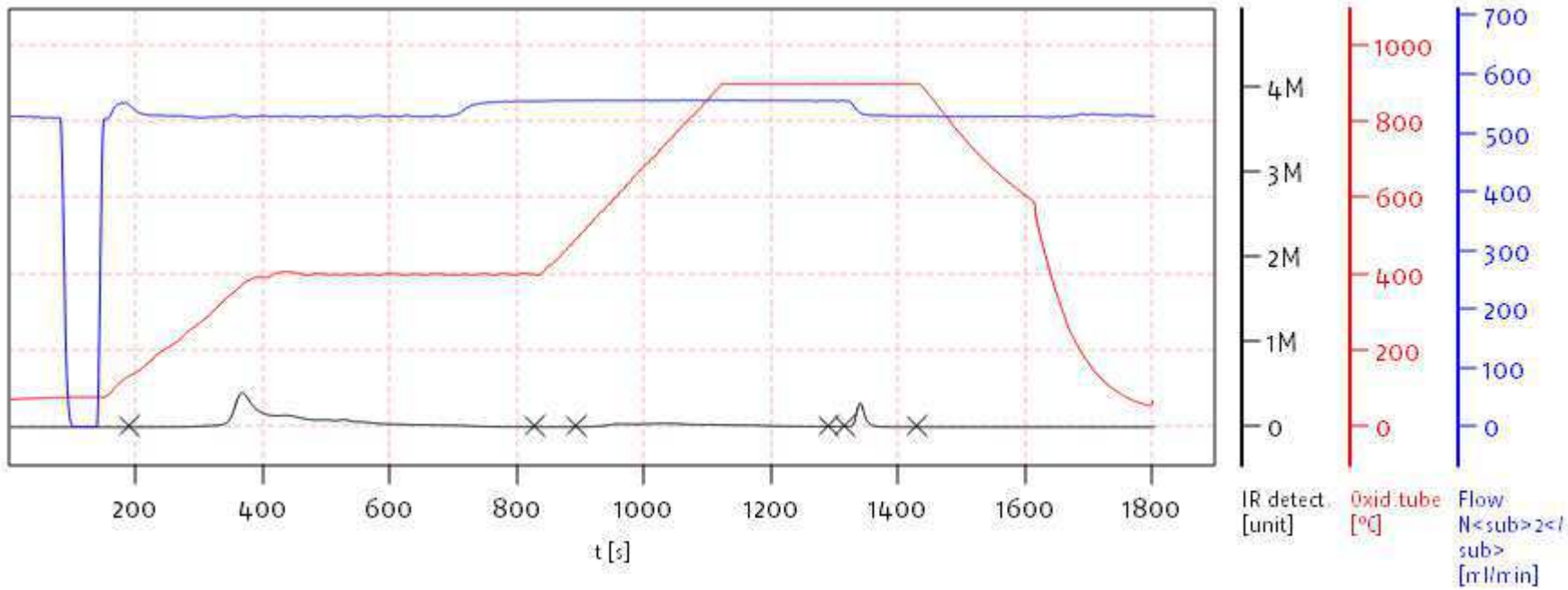
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
105	16	22L0105-25	160.10		CARBON	12/14/2022 1:51 PM	bl	1.385	1 386 576	1.681	0.138	168 763	333 476	1.247	0.297	0.9484	1.0000



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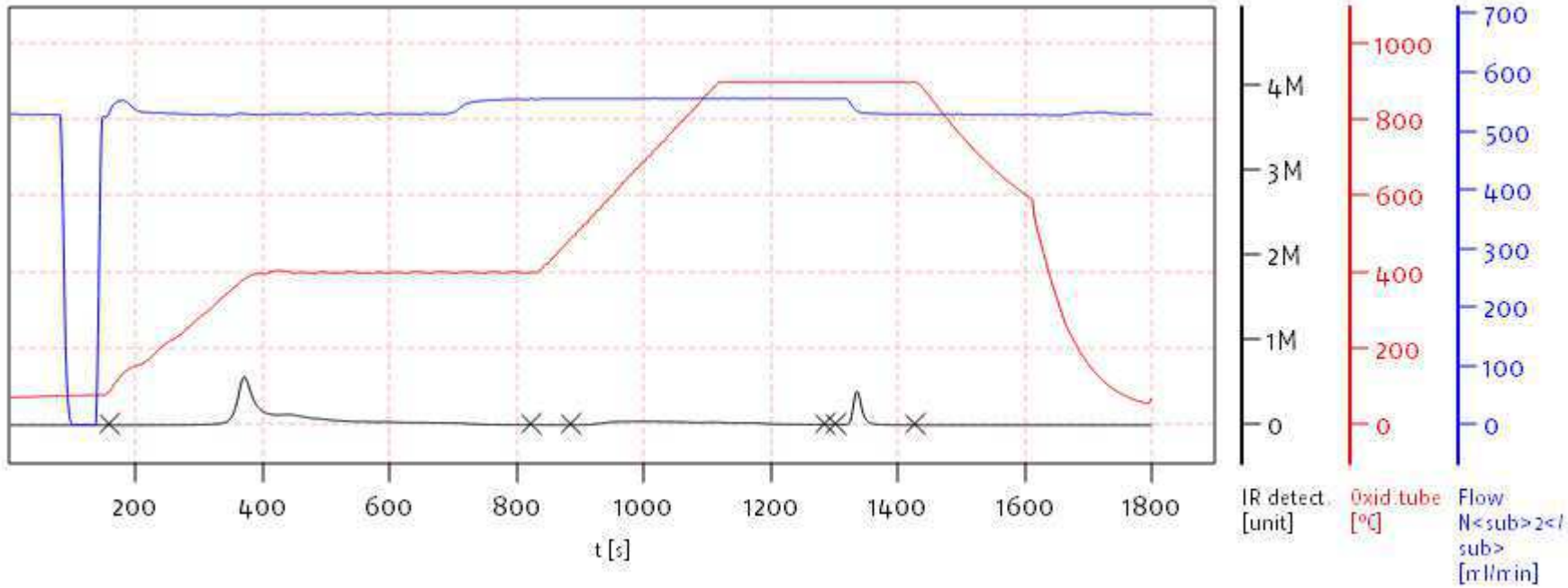
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
106	17	22L0105-26	191.60		CARBON	12/14/2022 2:22 PM	bl	1.223	1 389 902	1.505	0.178	246 736	375 985	1.045	0.282	0.9484	1.0000



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Soli TOC Cube, Carbon
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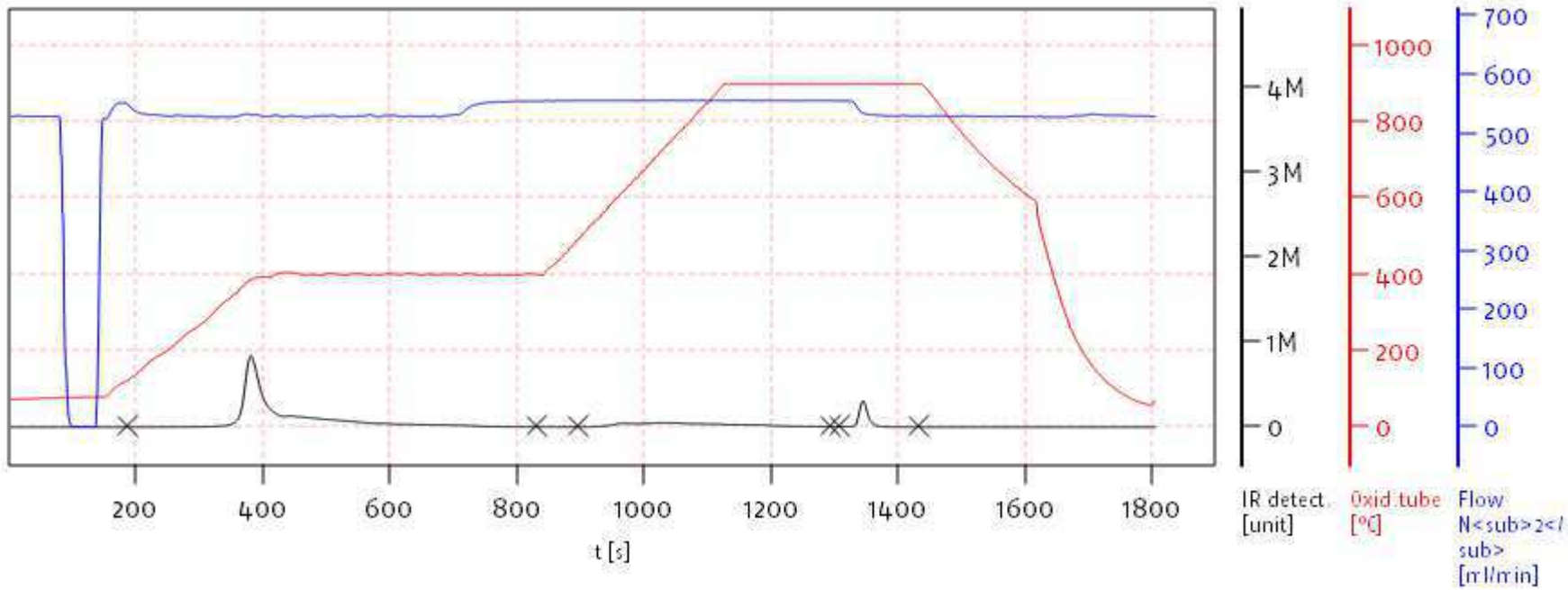
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
107	18	22L0105-27	221.50		CARBON	12/14/2022 2:52 PM	bl	1.249	1 739 346	1.508	0.114	189 458	396 344	1.135	0.258	0.9484	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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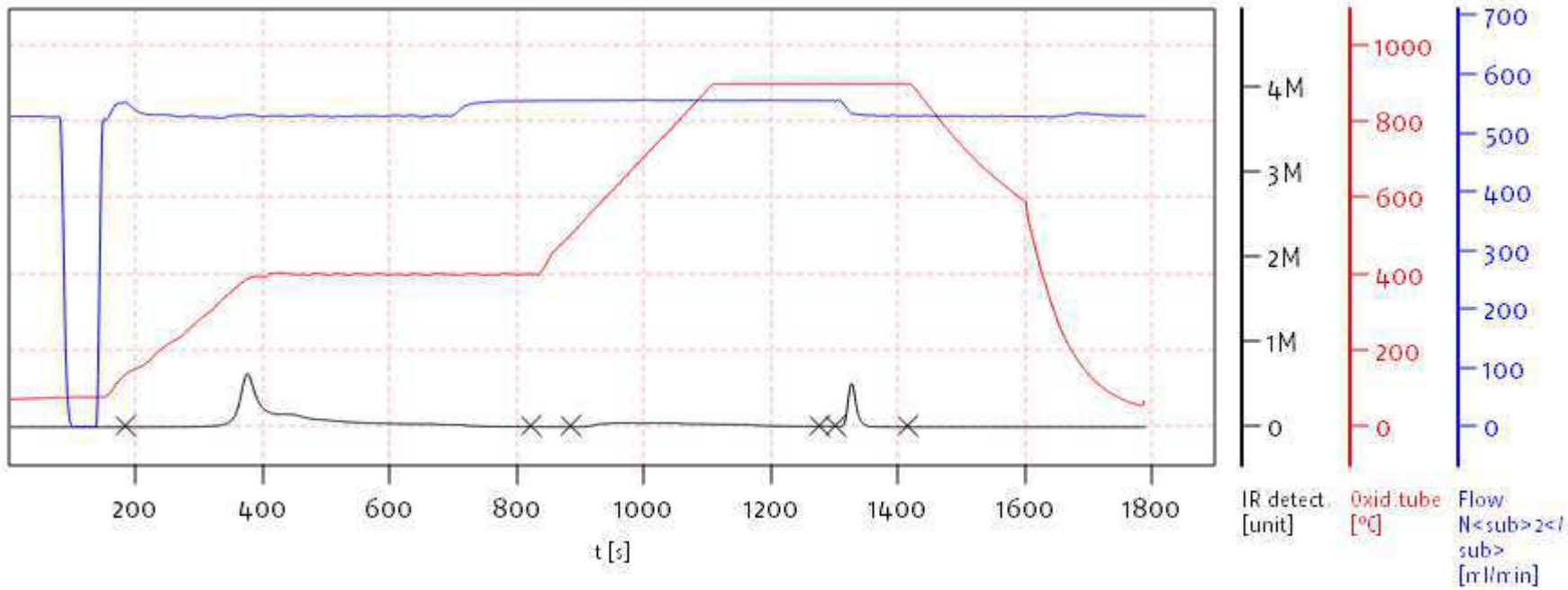
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
108	19	22L0105-28	228.70		CARBON	12/14/2022 3:22 PM	bl	1.212	1 624 005	1.481	0.187	302 472	423 172	1.025	0.268	0.9484	1.0000



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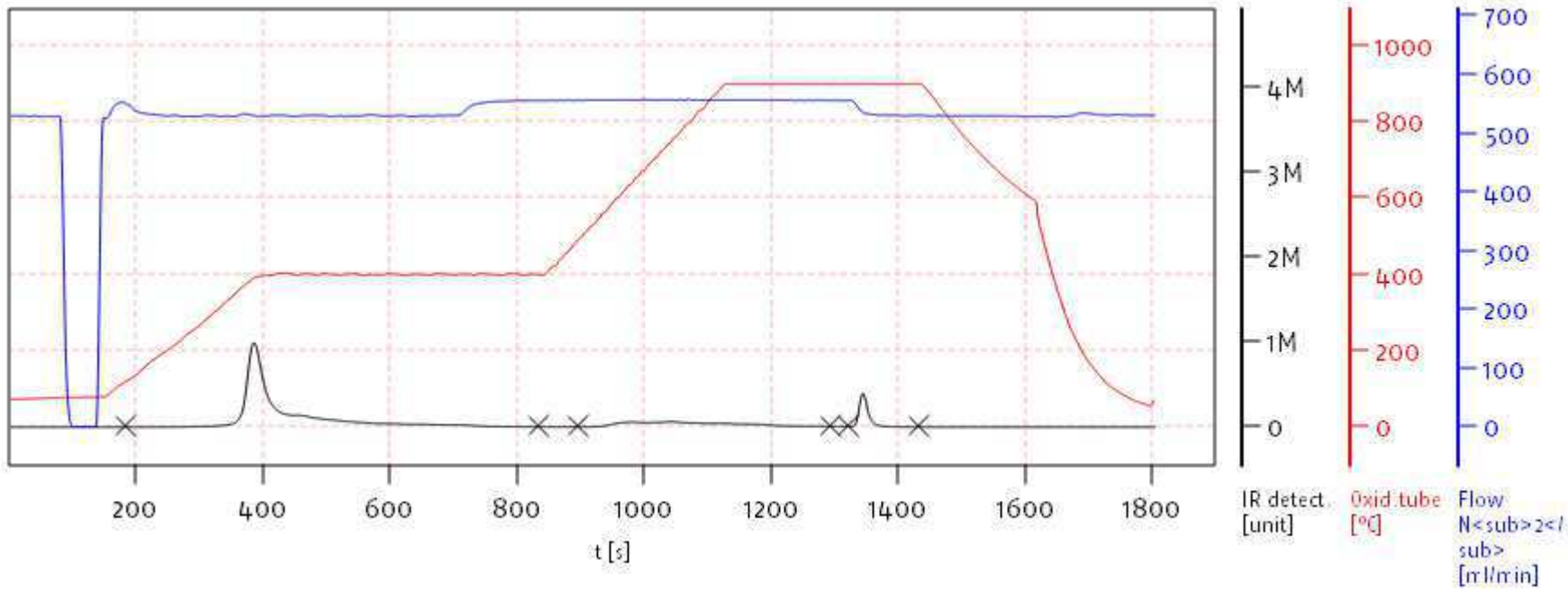
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
109	20	22L0105-29	255.30		CARBON	12/14/2022 3:53 PM	bl	1.270	1 999 816	1.555	0.135	249 281	496 196	1.135	0.285	0.9484	1.0000



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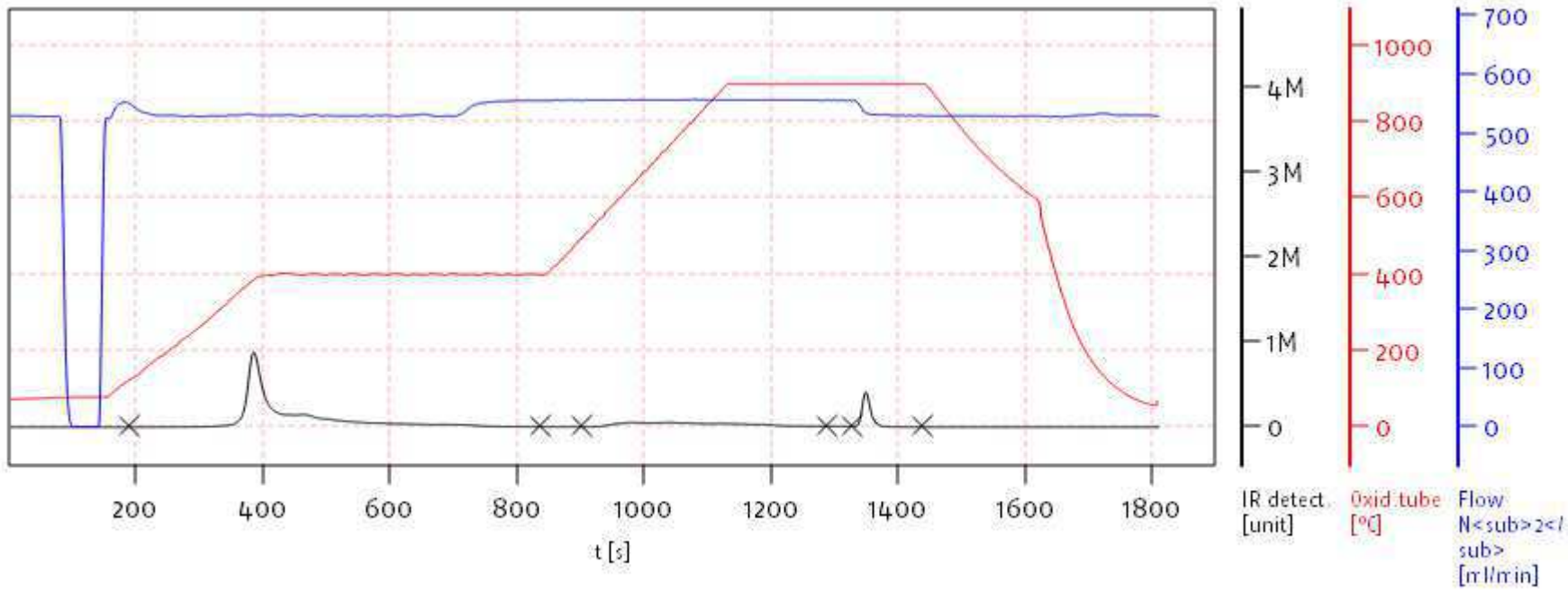
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
110	21	22L0105-30	234.00		CARBON	12/14/2022 4:23 PM	bl	1.260	1 804 148	1.546	0.145	245 035	459 068	1.115	0.286	0.9484	1.0000



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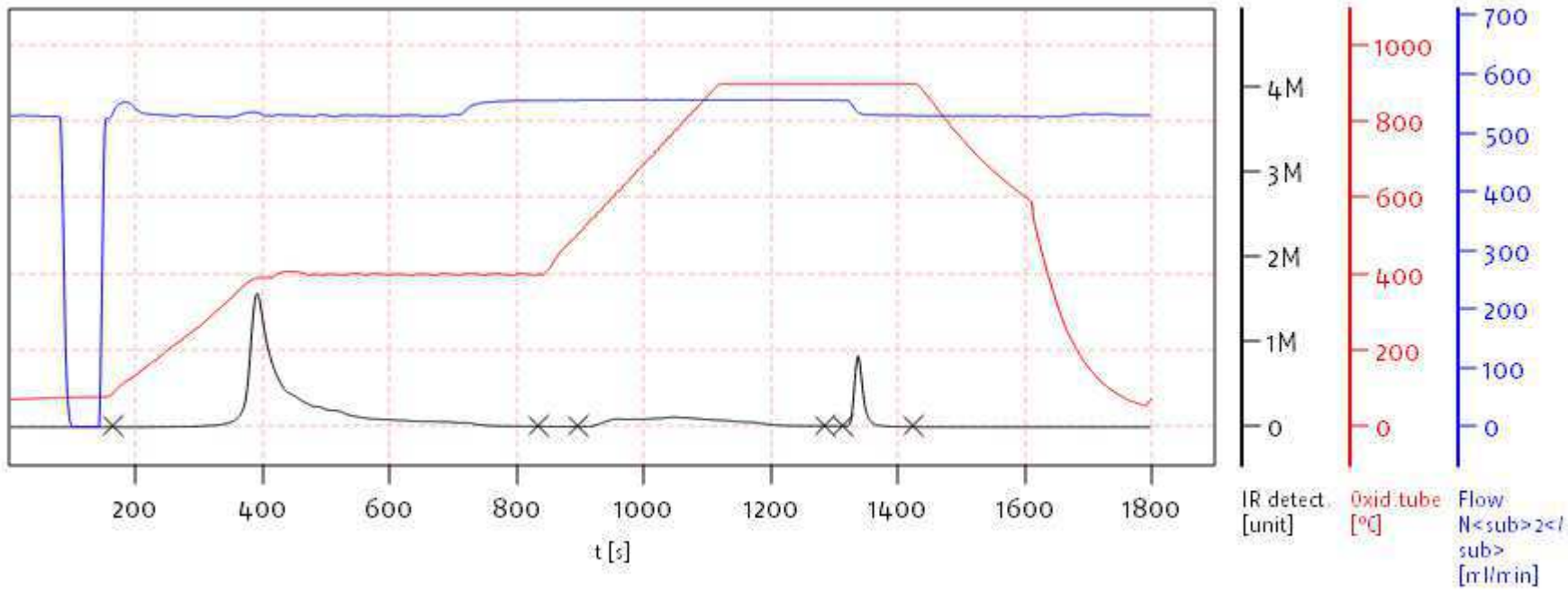
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
111	22	22L0105-31	534.70		CARBON	12/14/2022 4:54 PM	bl	1.217	3 941 826	1.477	0.142	518 699	923 282	1.075	0.260	0.9484	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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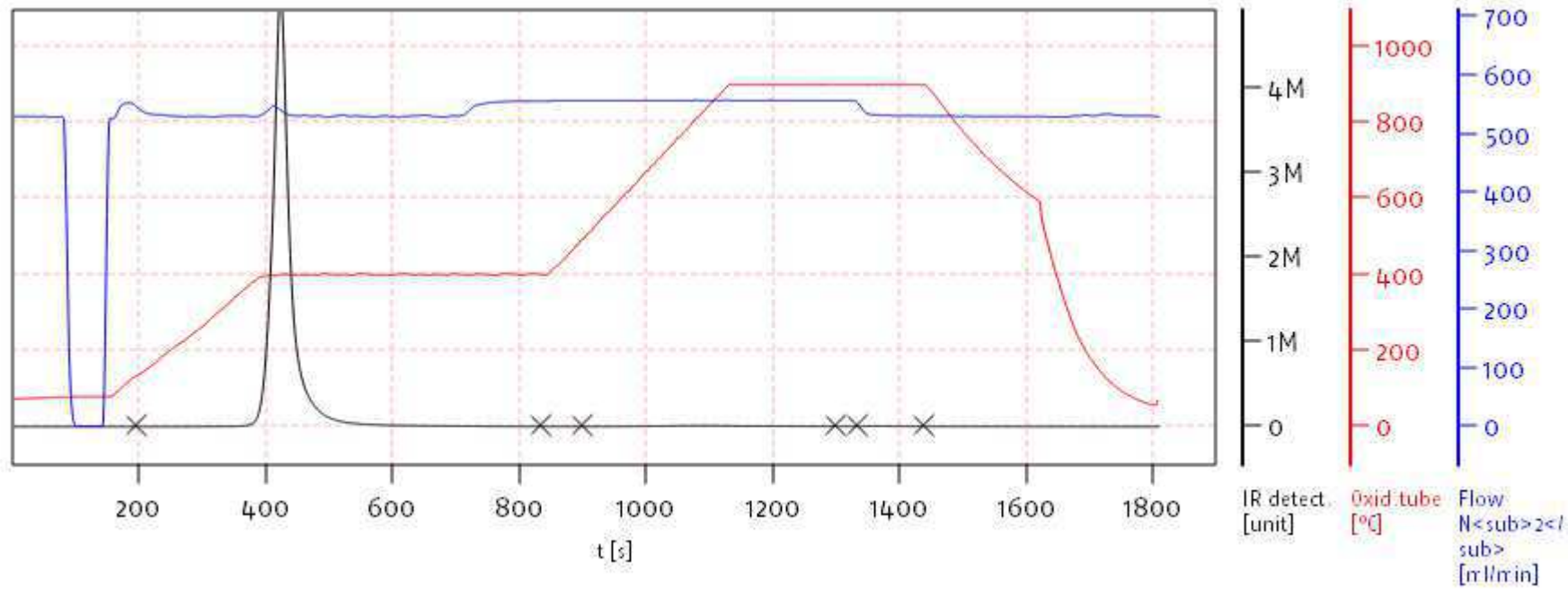
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
112	23	SKL0152-CCV9	20.30		CARBON	12/14/2022 5:24 PM	bl	44.994	6 247 971	45.442	0.000	16 759	85 385	44.994	0.449	0.9484	1.0000



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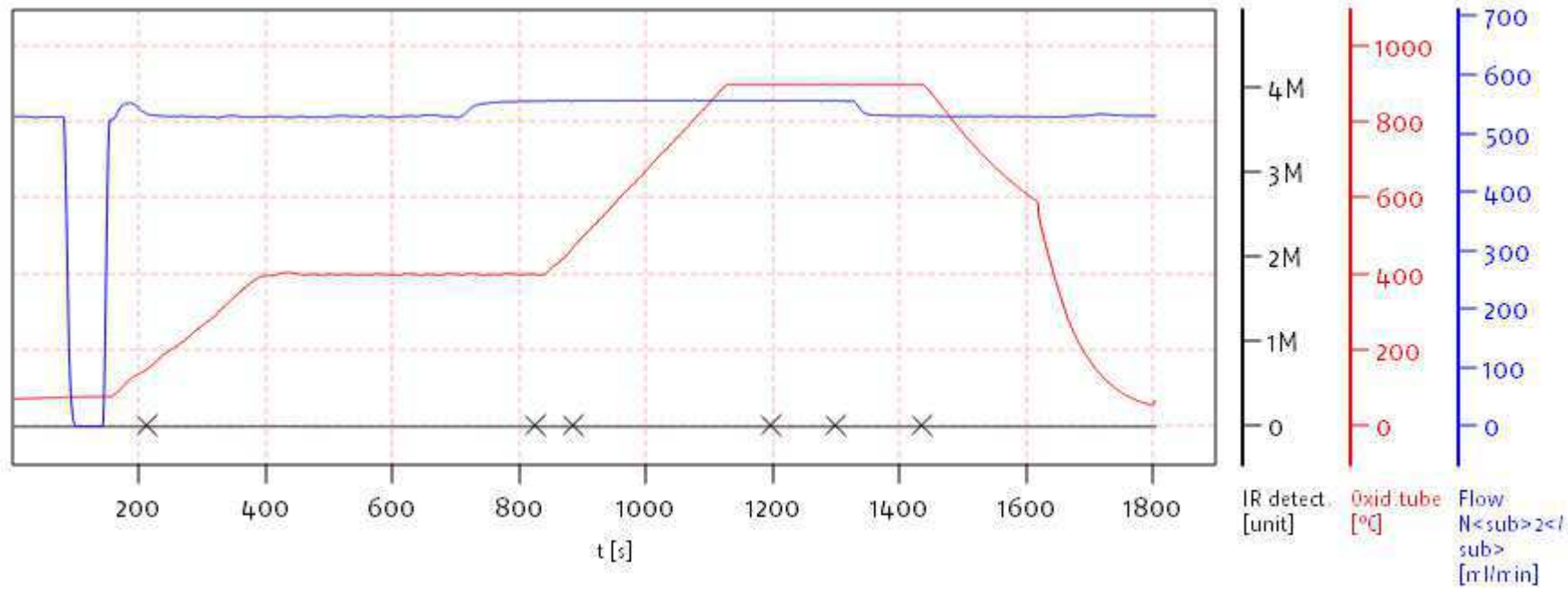
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
113	24	SKL0152-CCB9	500.50		CARBON	12/14/2022 5:55 PM	bl,C3u,C2u	0.000	7 661	0.000	0.000	300	156	0.000	0.000	0.9484	1.0000



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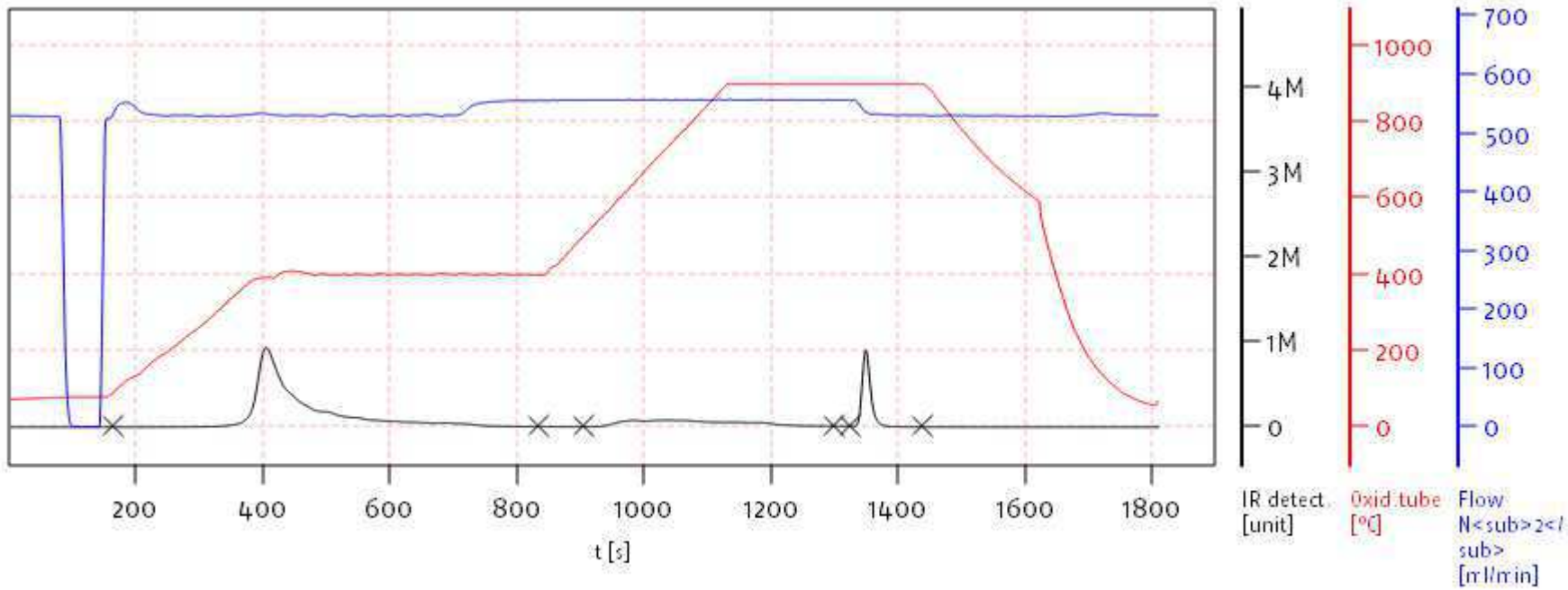
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
114	25	22L0105-32	523.40		CARBON	12/14/2022 6:25 PM	bl	0.924	2 779 605	1.124	0.152	538 972	702 108	0.772	0.200	0.9484	1.0000



Name:

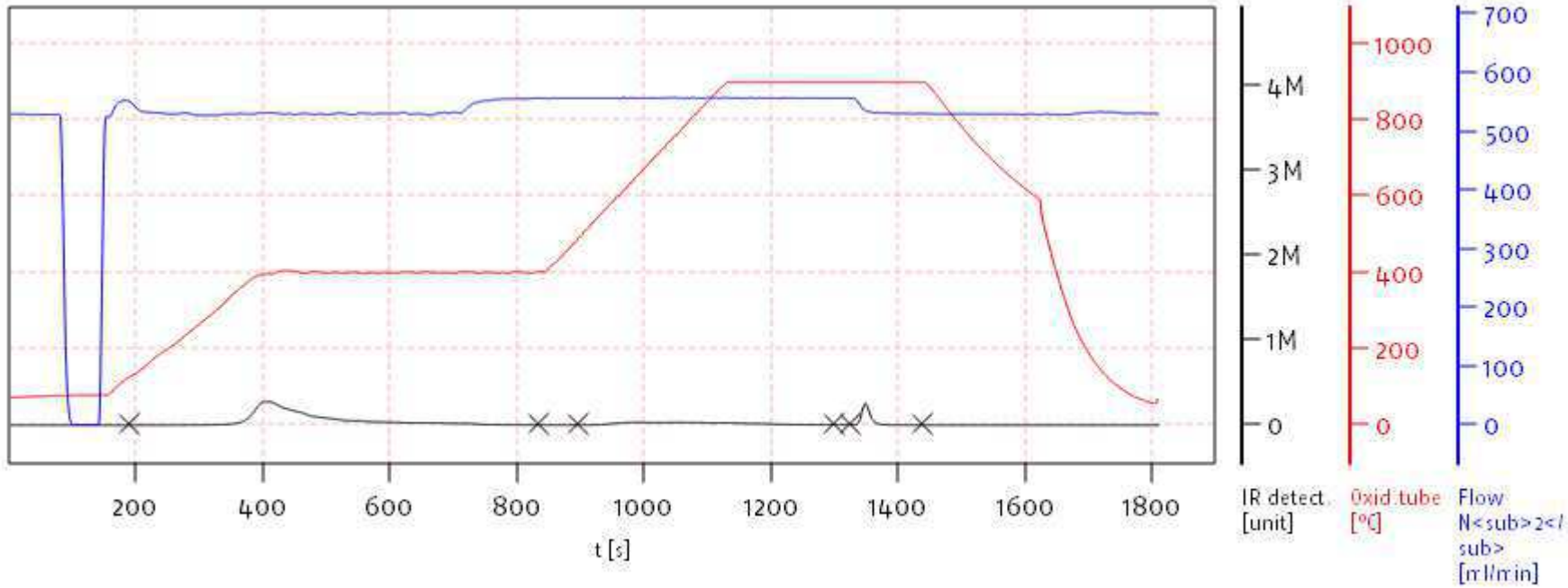
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
115	26	22L0105-33	301.00		CARBON	12/14/2022 6:56 PM	bl	0.636	1 196 714	0.769	0.065	153 681	285 003	0.571	0.133	0.9484	1.0000



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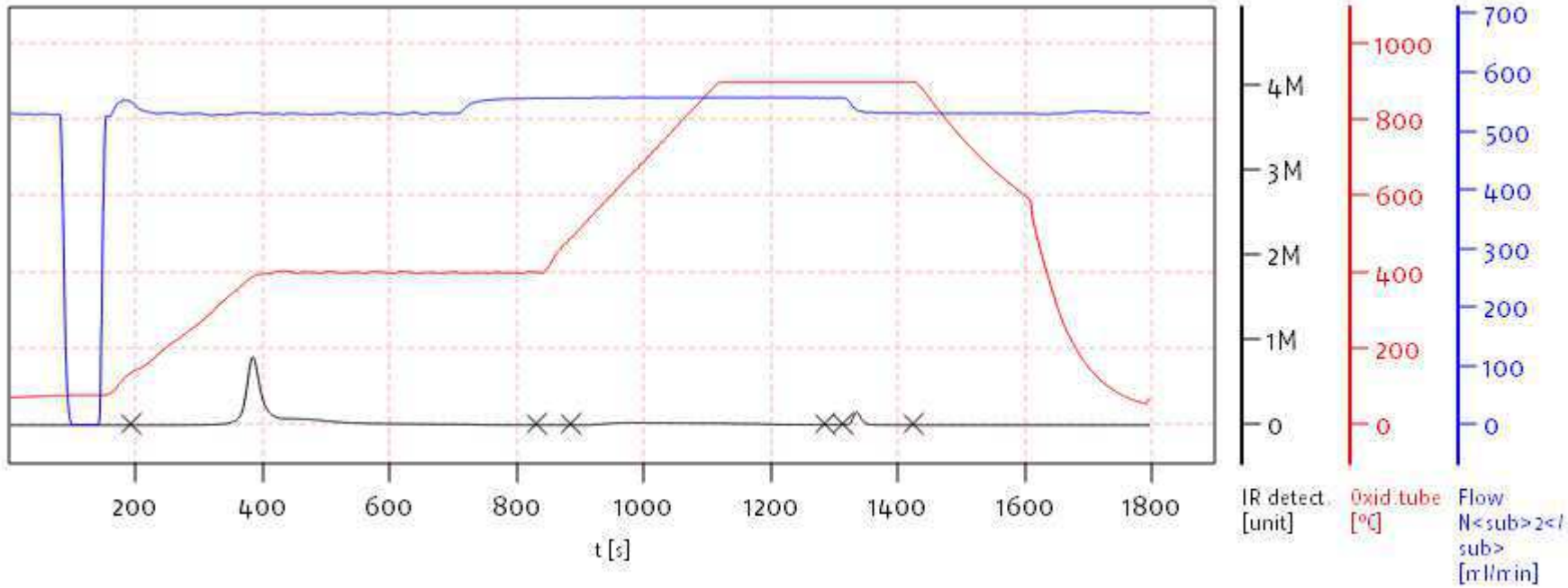
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
116	27	22L0136-01	183.50		CARBON	12/14/2022 7:26 PM	bl	1.018	1 230 781	1.200	0.055	91 208	242 298	0.963	0.182	0.9484	1.0000



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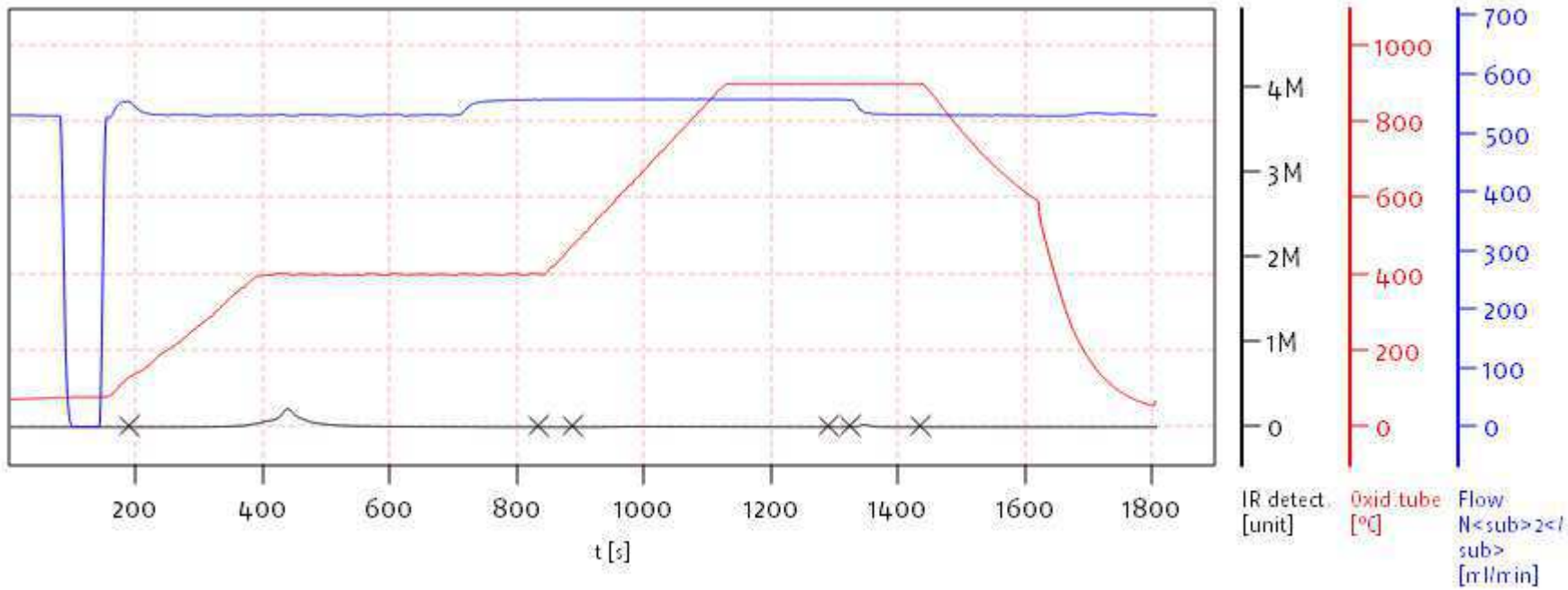
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
117	28	22L0136-02	540.40		CARBON	12/14/2022 7:57 PM	bl	0.132	512 260	0.138	0.000	20 650	46 442	0.132	0.006	0.9484	1.0000



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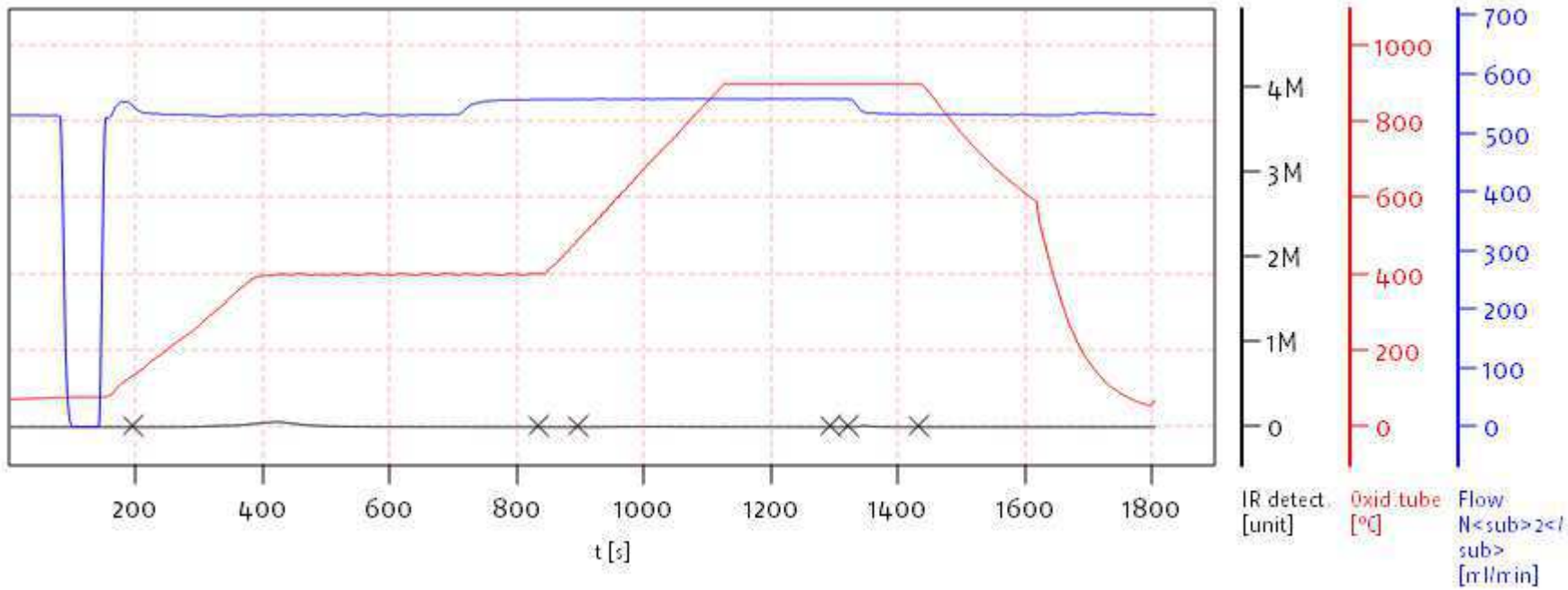
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
118	29	22L0136-03	590.90		CARBON	12/14/2022 8:27 PM	bl	0.058	258 362	0.059	0.000	15 354	31 341	0.058	0.001	0.9484	1.0000



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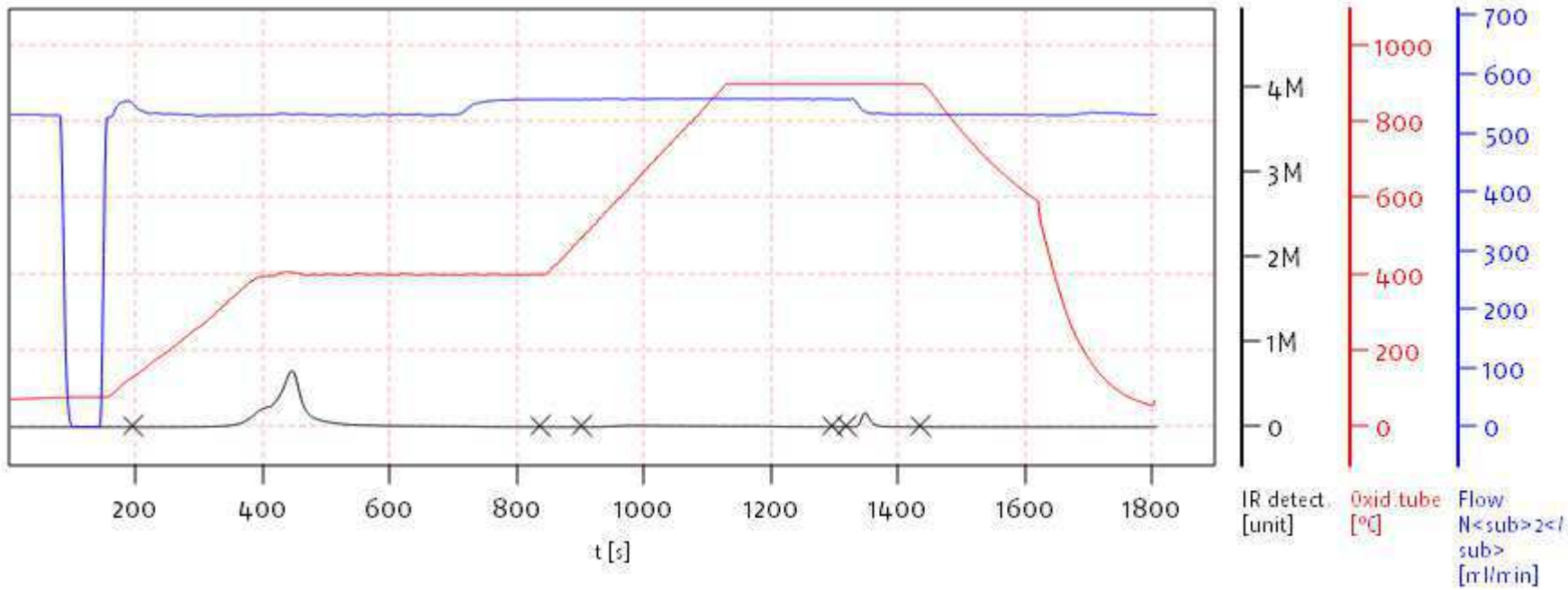
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
119	30	22L0136-04	274.60		CARBON	12/14/2022 8:58 PM	bl	0.841	1 513 399	0.904	0.046	108 906	137 370	0.795	0.062	0.9484	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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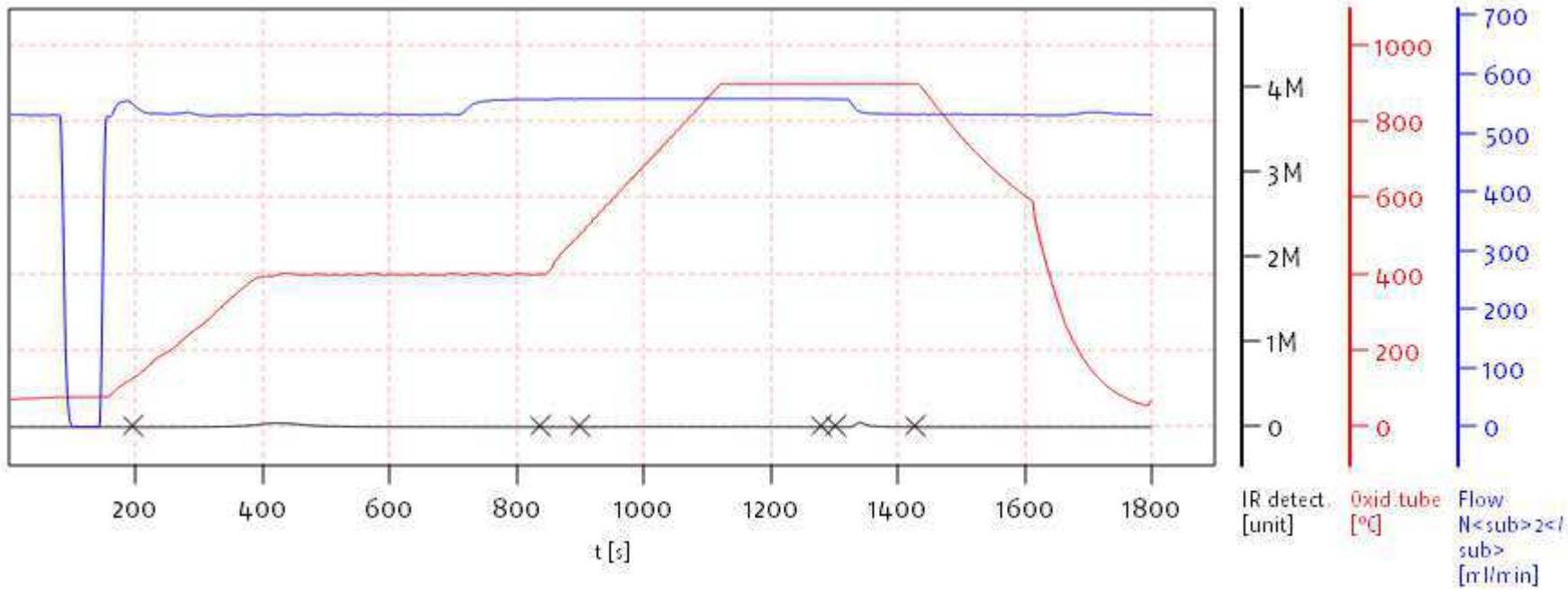
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
120	31	22L0136-05	543.20		CARBON	12/14/2022 9:28 PM	bl	0.050	191 727	0.051	0.006	46 299	29 372	0.045	0.001	0.9484	1.0000



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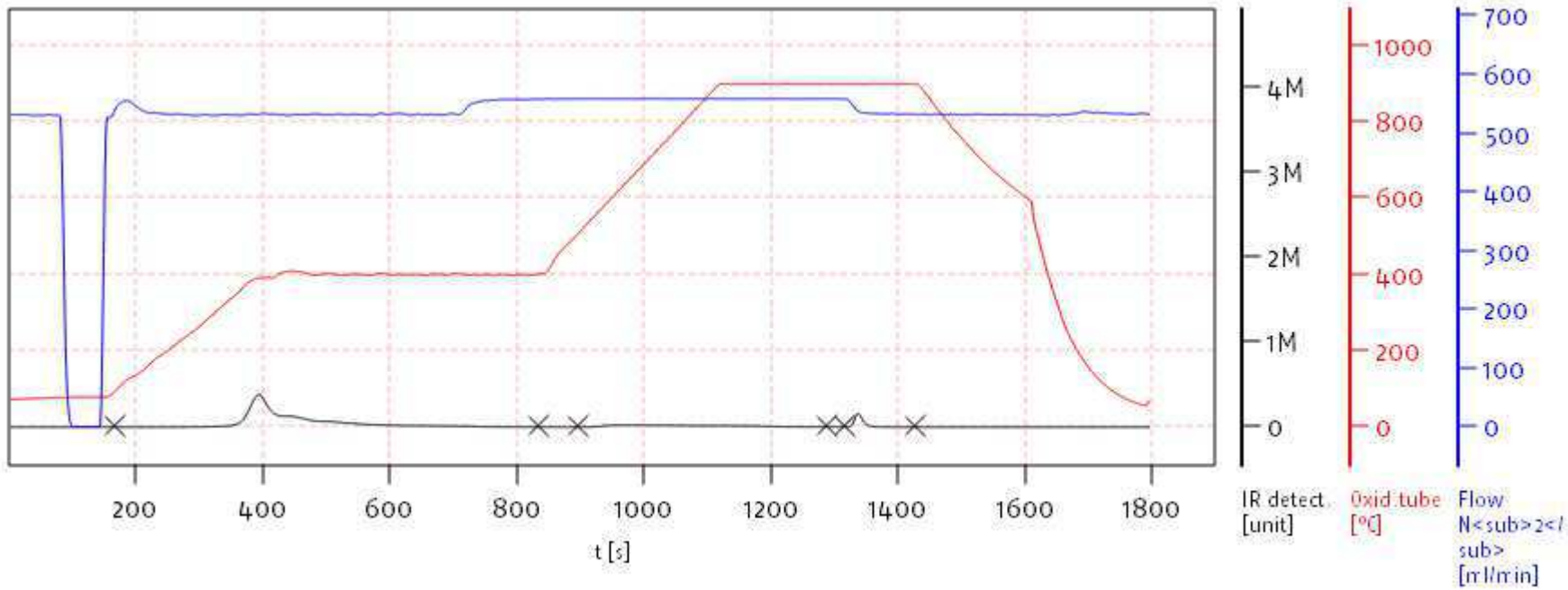
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
121	32	22L0136-06	225.20		CARBON	12/14/2022 9:59 PM	bl	0.739	1 088 520	0.854	0.046	94 112	193 738	0.692	0.115	0.9484	1.0000



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Serial No: 0300.181017
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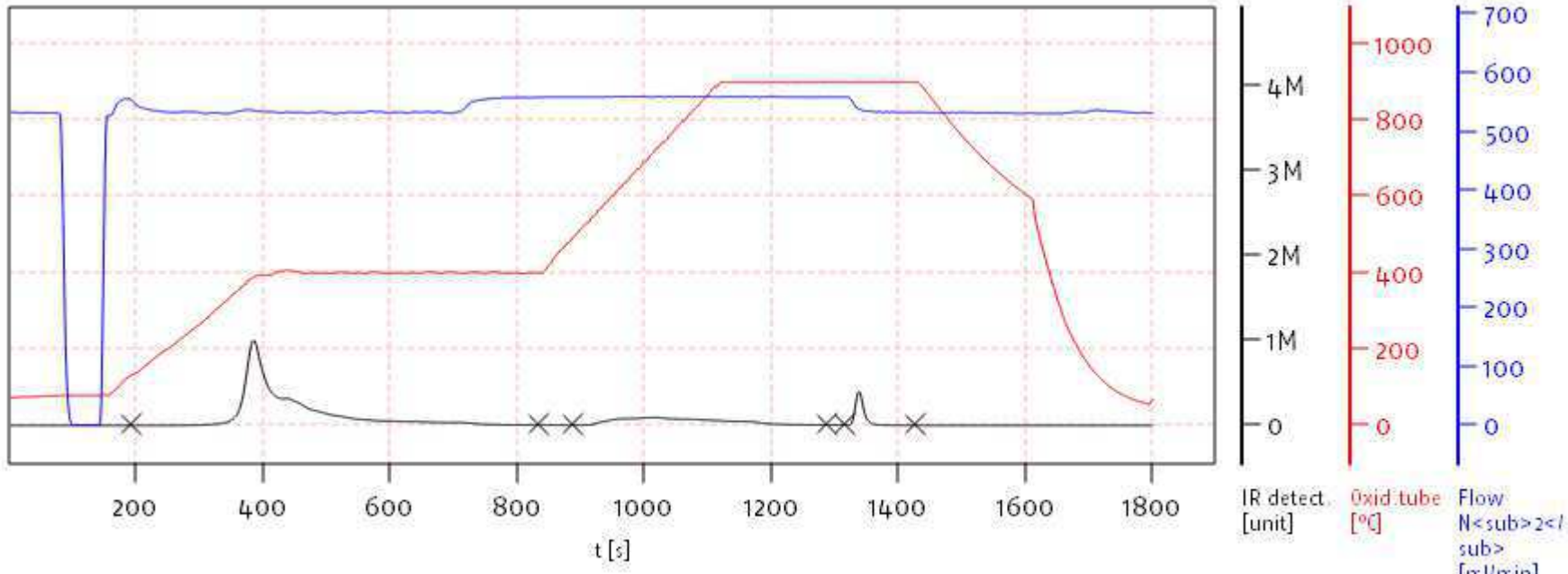
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
122	33	22L0136-07	535.80		CARBON	12/14/2022 10:29 PM	bl	0.784	2 668 539	0.980	0.060	234 176	705 890	0.724	0.196	0.9484	1.0000



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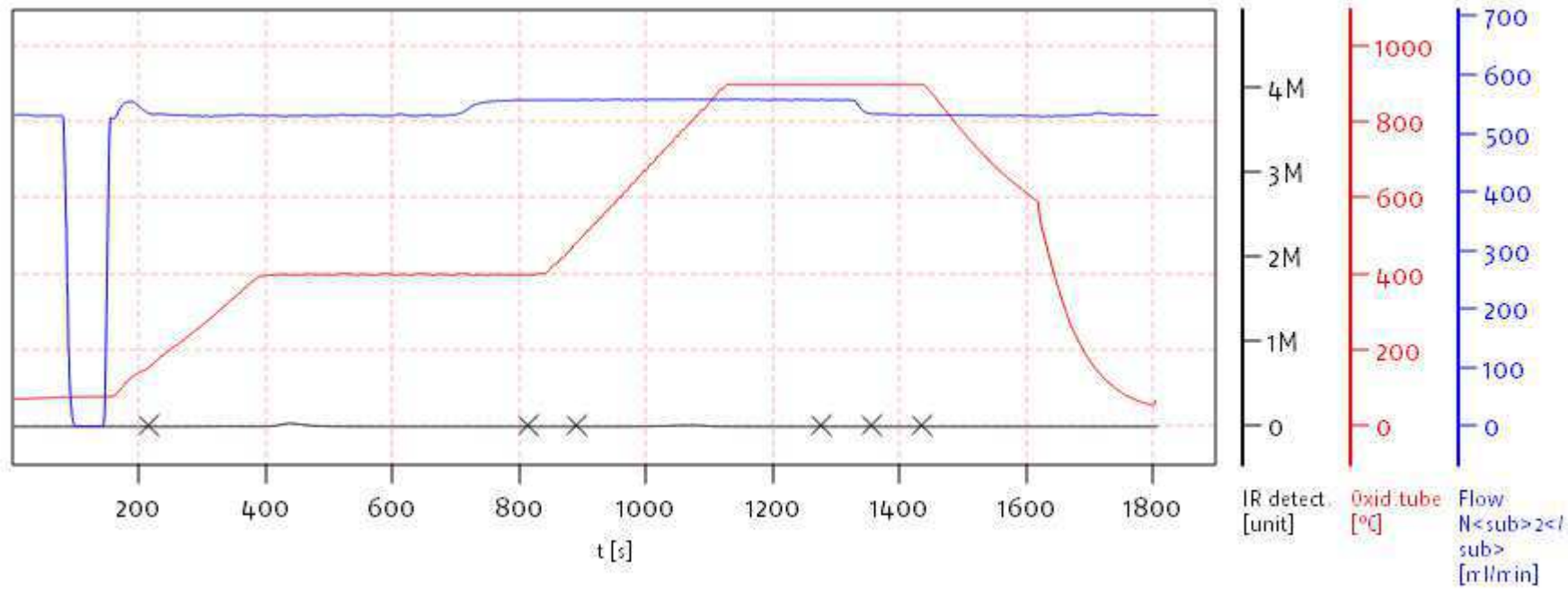
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
123	34	BKL0299-MRL1	609.80		CARBON	12/14/2022 11:00 PM	bl,C2u	0.012	77 830	0.016	0.000	136	41 815	0.012	0.004	0.9484	1.0000



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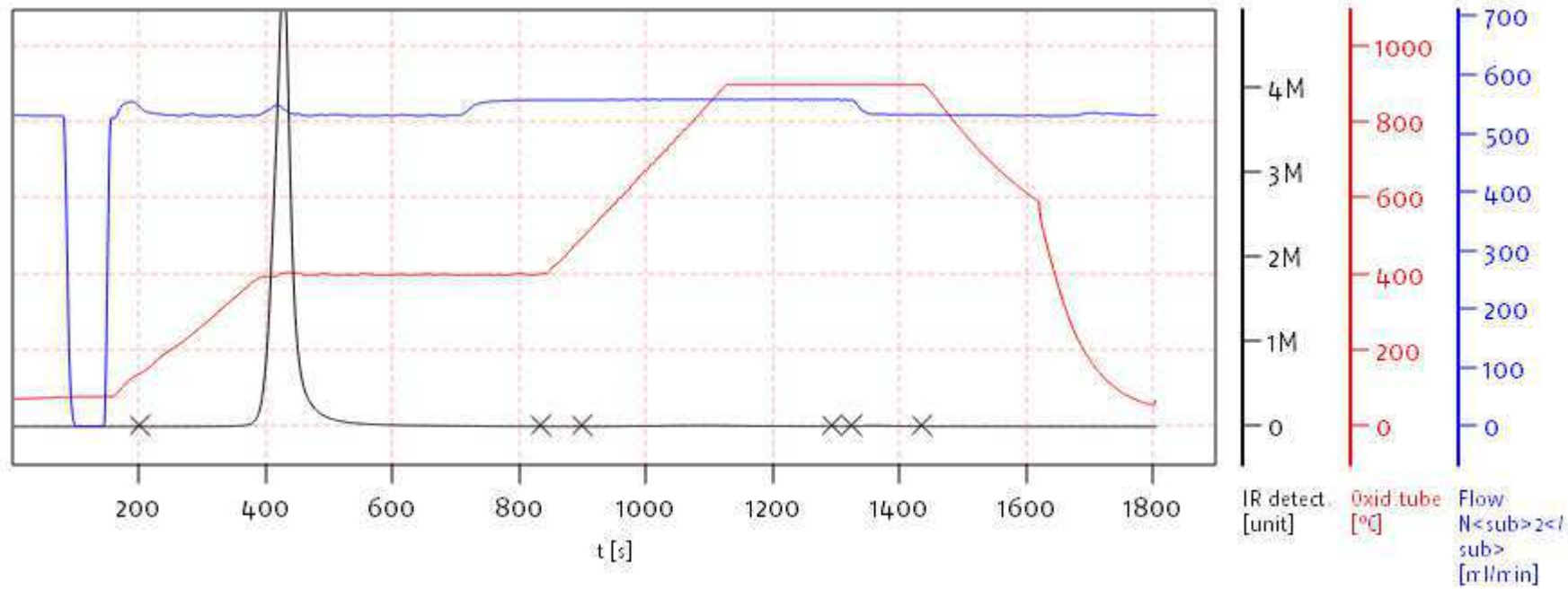
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
124	35	SKL0152-CCVA	21.80		CARBON	12/14/2022 11:30 PM	bl	44.895	6 693 095	45.422	0.000	26 474	100 719	44.895	0.527	0.9484	1.0000



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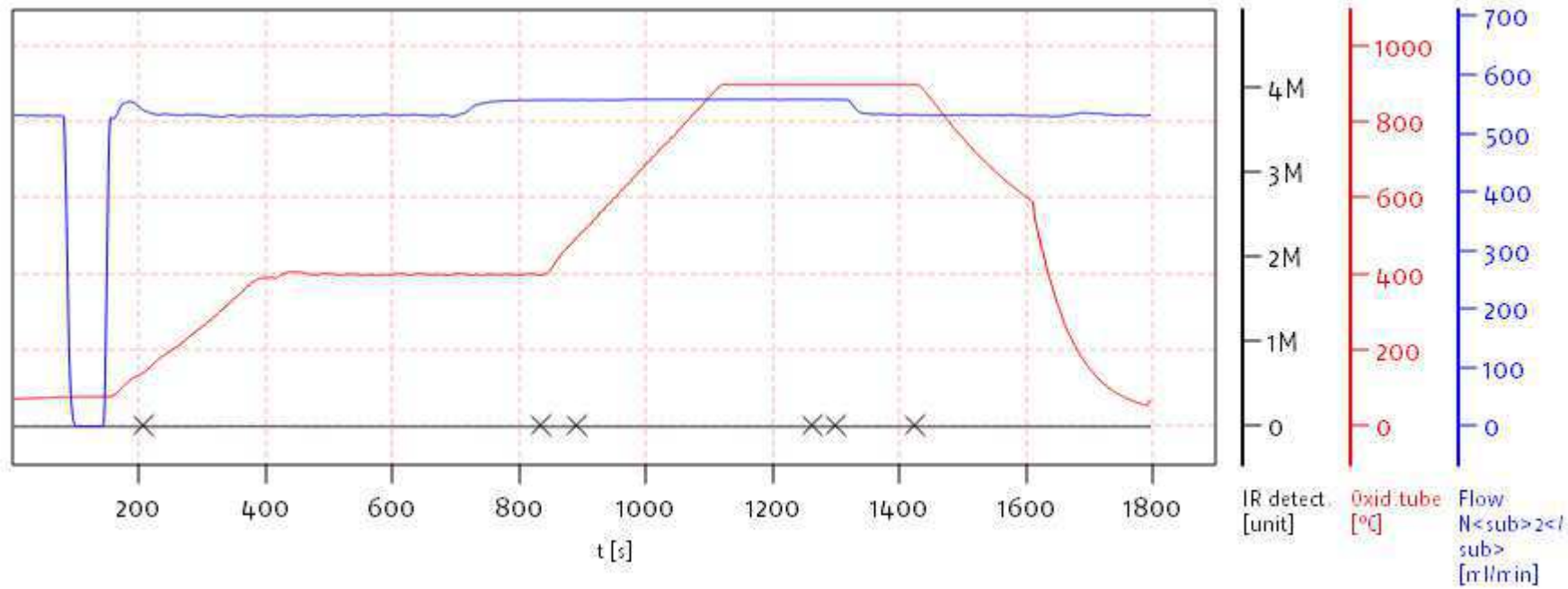
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
125	36	SKL0152-CCBA	523.00		CARBON	12/15/2022 12:01 AM	bl,C3u,C2u	0.000	8 781	0.000	0.000	293	117	0.000	0.000	0.9484	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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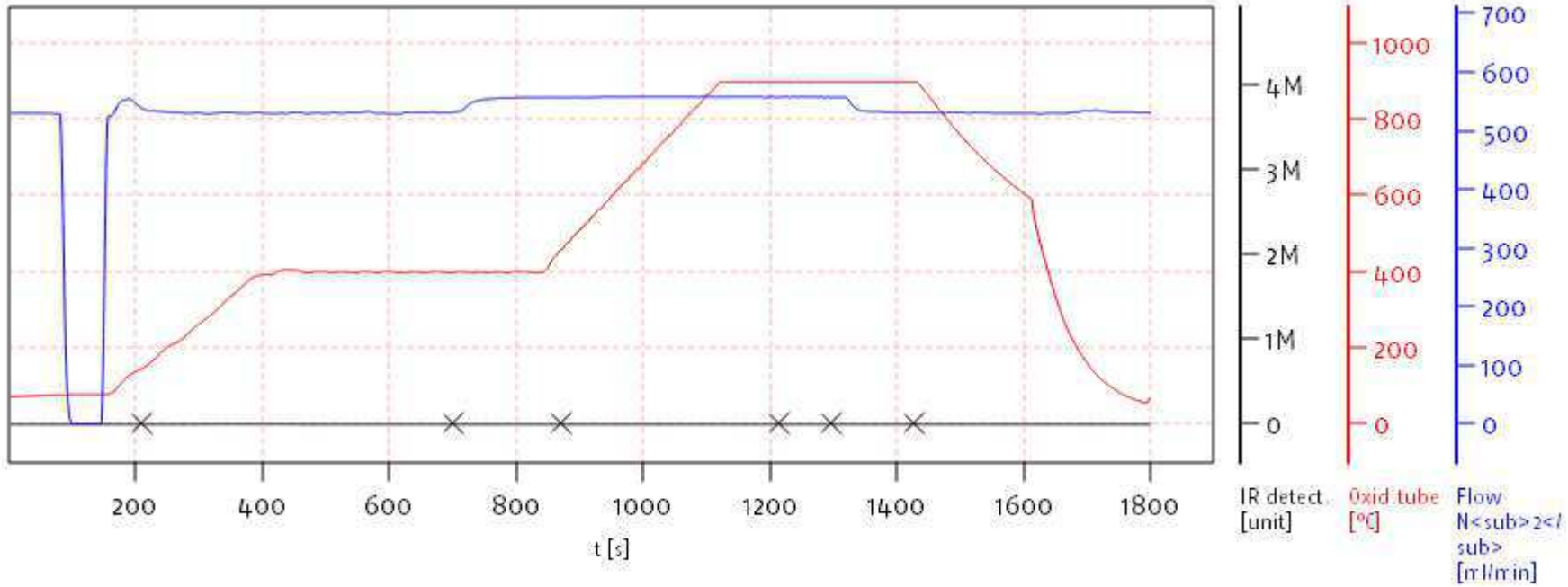
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
126	37	BKL0299-BLK1	503.30		CARBON	12/15/2022 12:31 AM	bl,C3u,C2u	0.000	10 828	0.000	0.000	620	1 875	0.000	0.000	0.9484	1.0000



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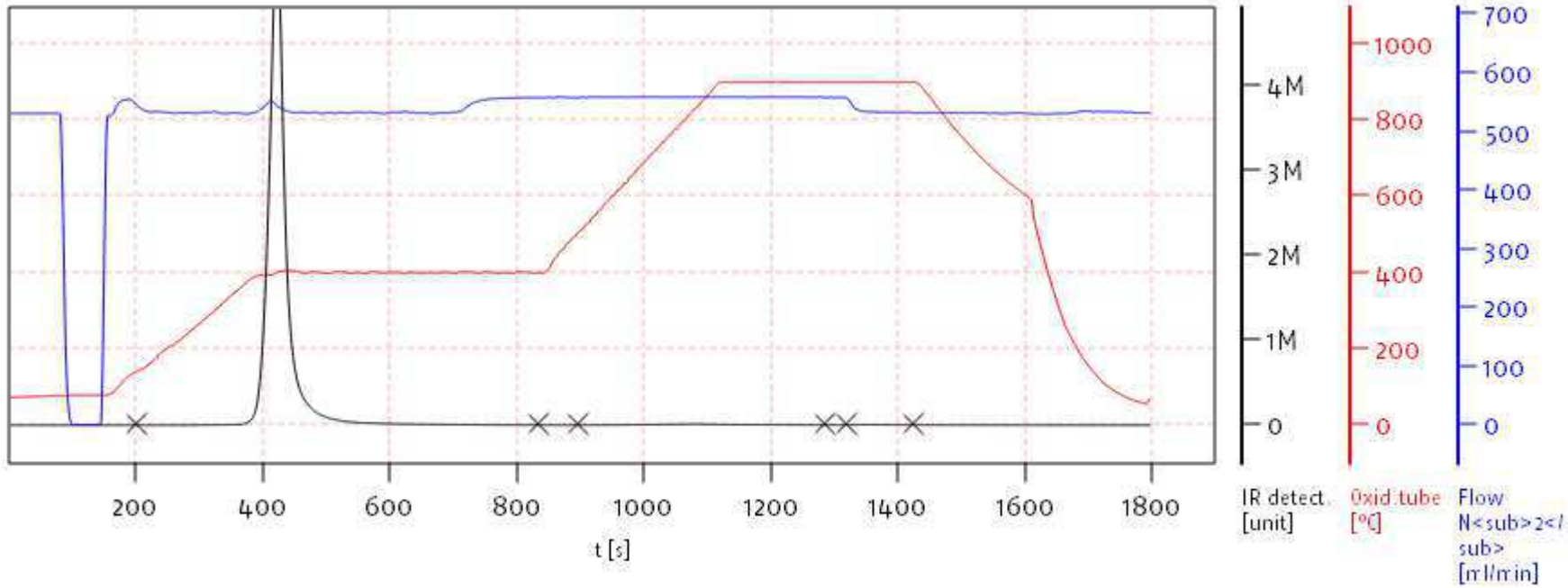
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
127	38	BKL0299-BS1	21.50		CARBON	12/15/2022 1:01 AM	bl	45.092	6 630 122	45.506	0.000	15 893	84 084	45.092	0.414	0.9484	1.0000



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Balance: BAL3
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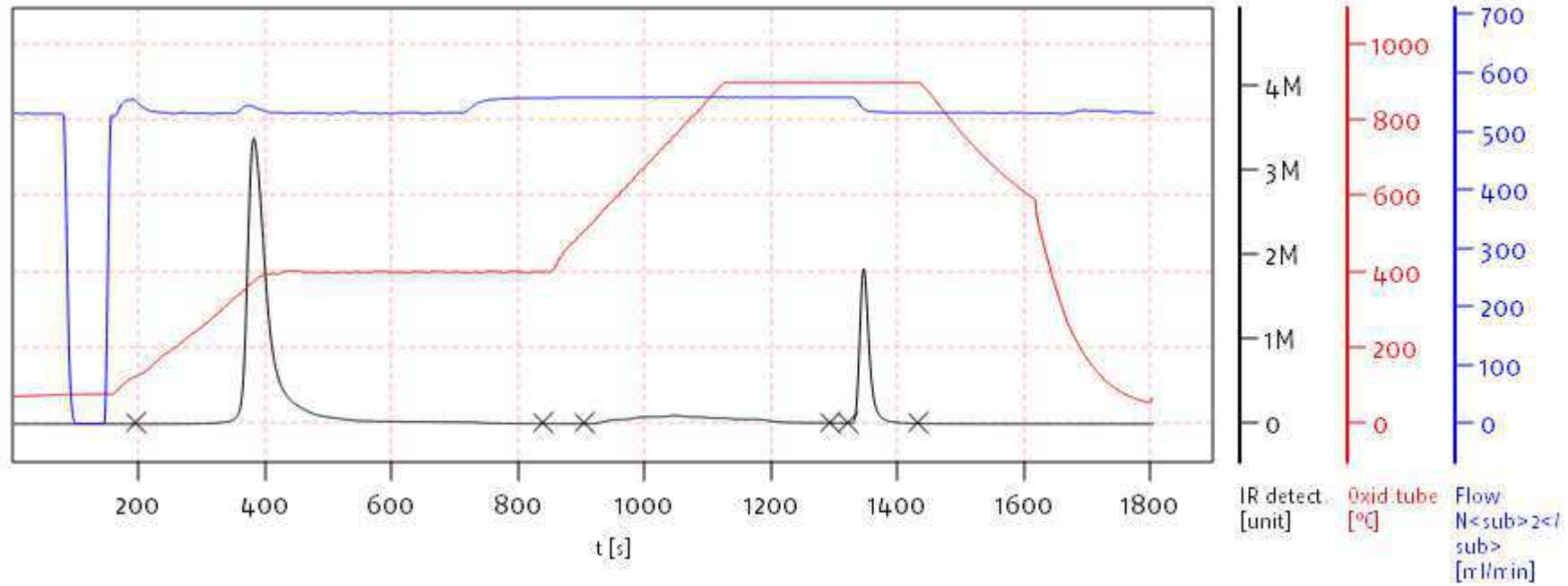
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
128	39	BKL0299-SRM1	312.10		CARBON	12/15/2022 1:32 AM	bl	2.974	5 071 270	3.334	0.601	1 237 630	752 070	2.373	0.360	0.9484	1.0000



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Balance: BAL3
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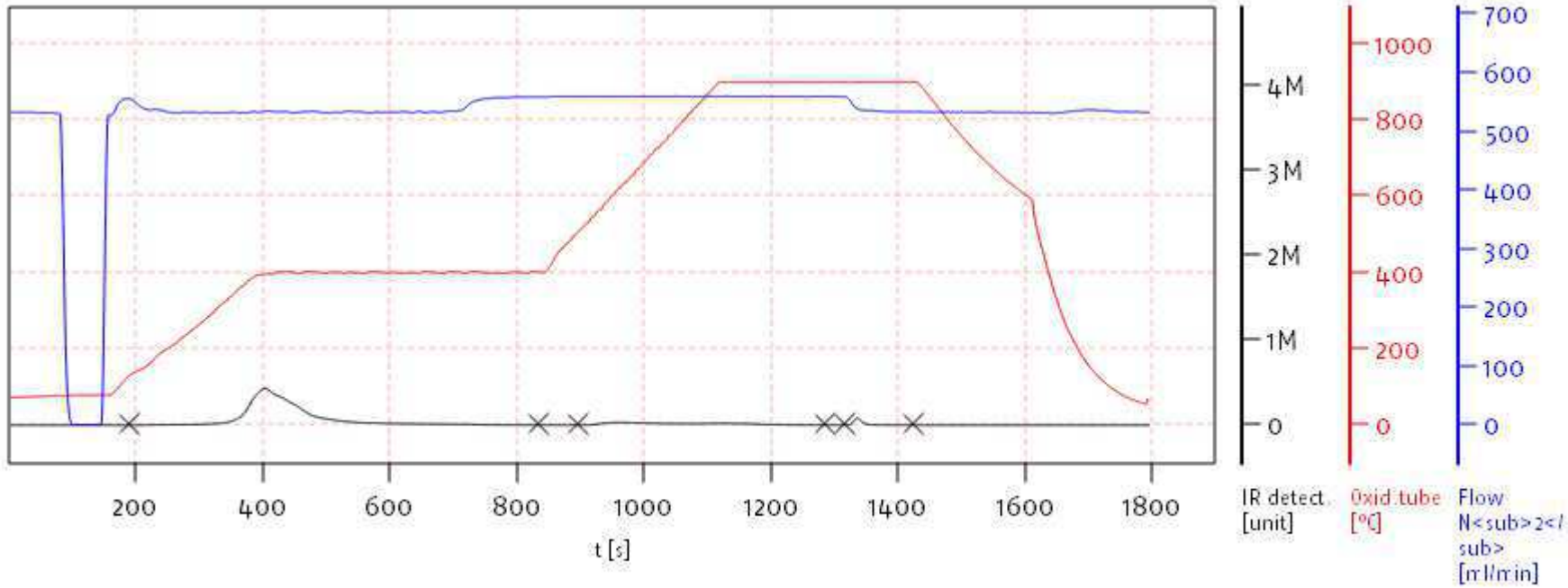
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
129	40	22L0136-08	506.80		CARBON	12/15/2022 2:02 AM	bl	0.455	1 574 357	0.516	0.007	49 685	224 627	0.448	0.061	0.9484	1.0000



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Soli TOC Cube, Carbon
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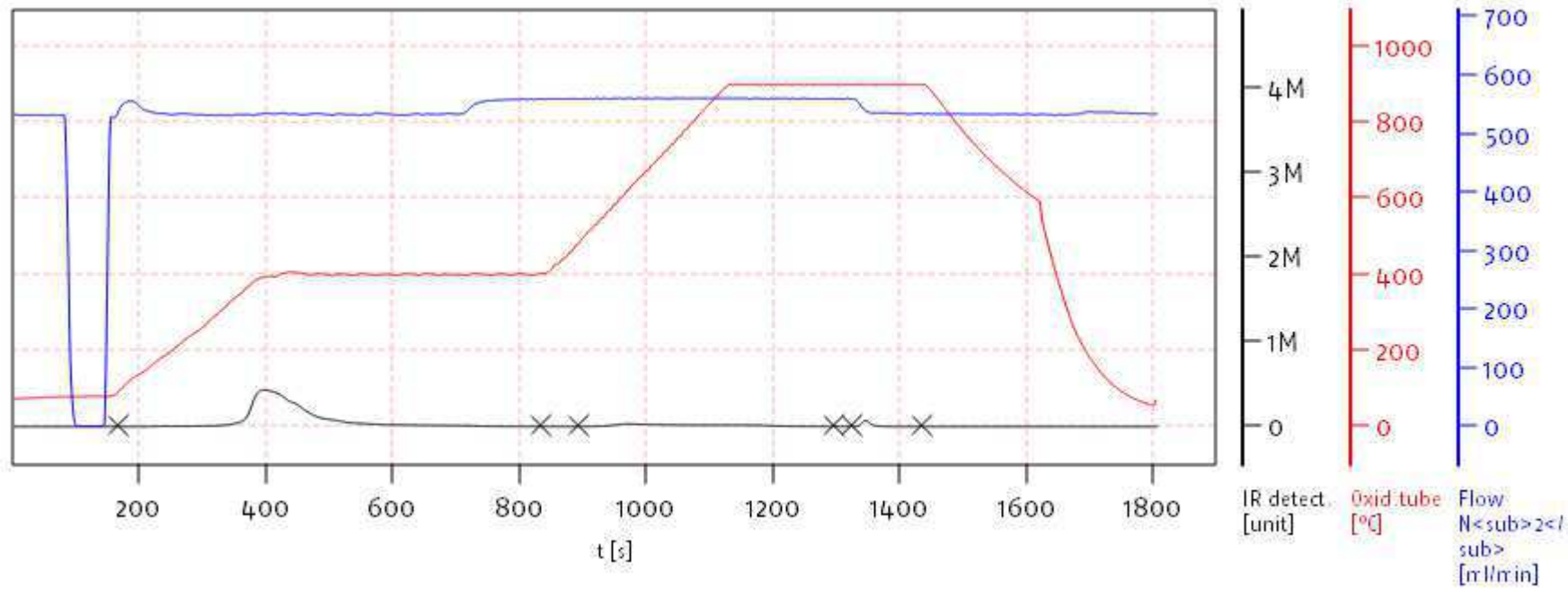
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
130	41	BKL0299-DUP1	521.00		CARBON	12/15/2022 2:33 AM	bl	0.466	1 658 477	0.522	0.006	45 880	215 999	0.460	0.056	0.9484	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

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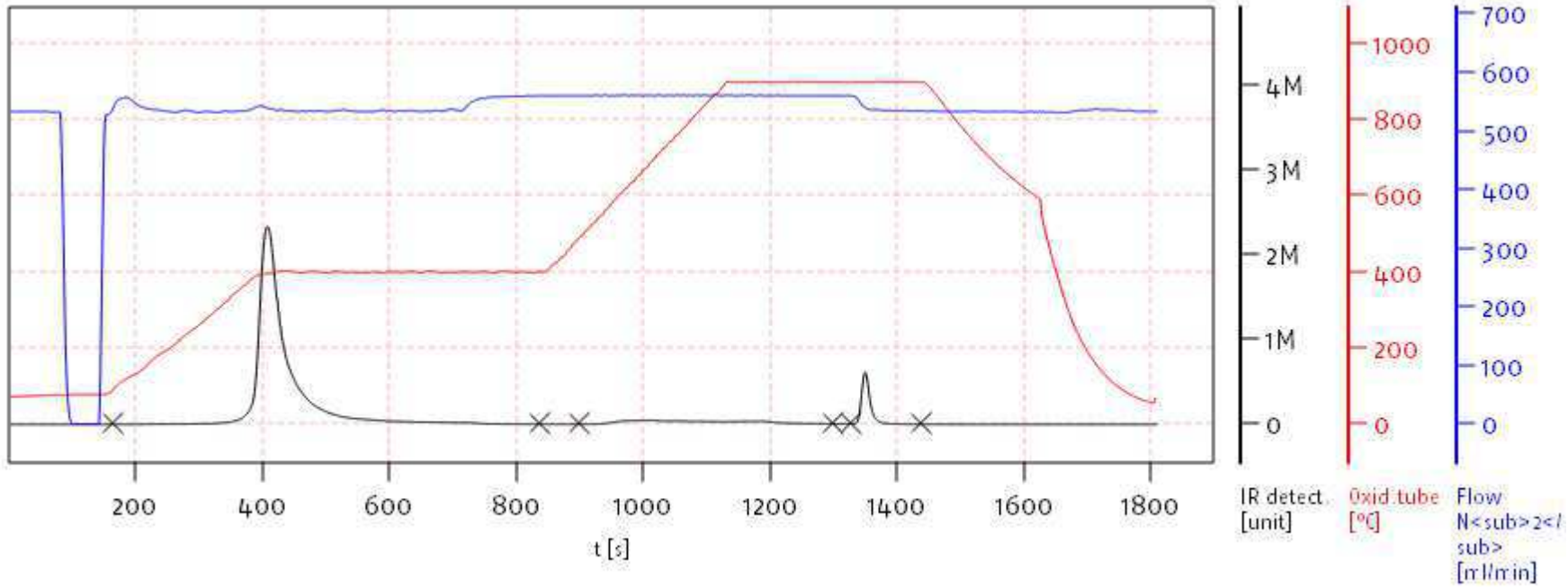
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
131	42	BKL0299-MS1	501.90	0.0107	CARBON	12/15/2022 3:03 AM	bl	1.370	4 354 155	1.490	0.104	364 696	415 500	1.266	0.120	0.9484	1.0000



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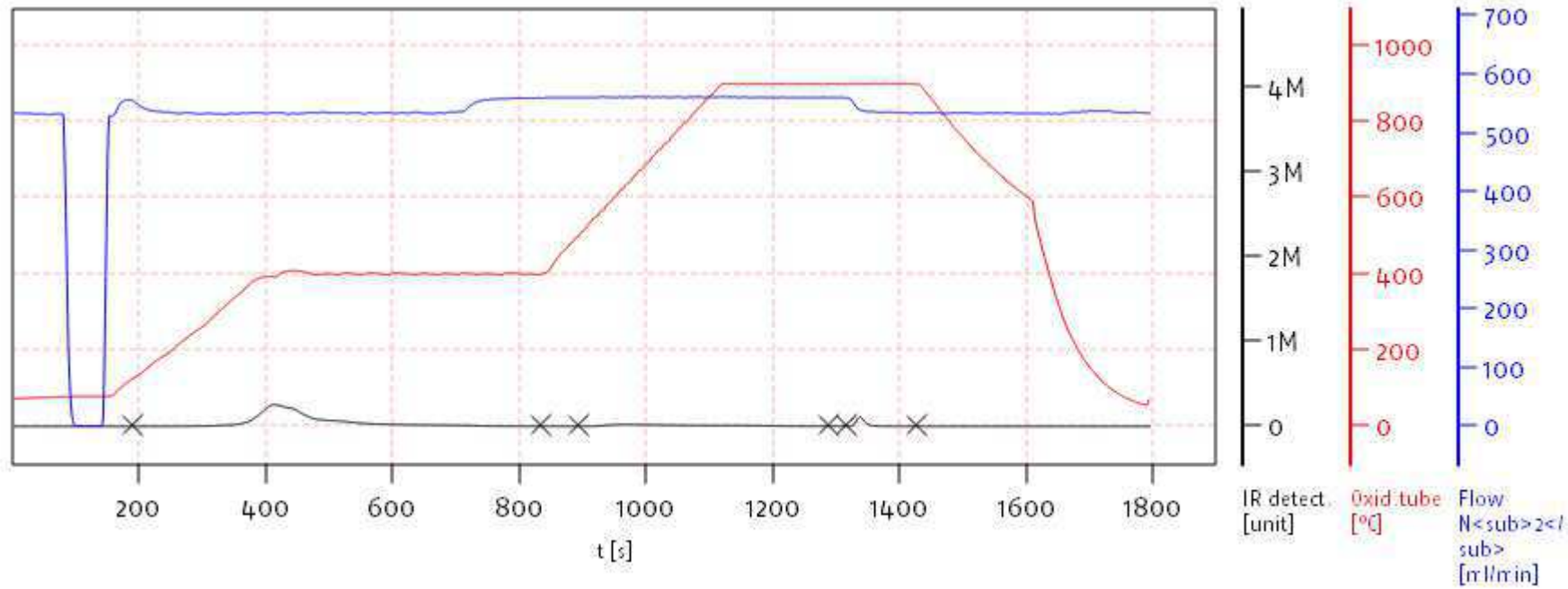
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
132	43	22L0136-09	506.60		CARBON	12/15/2022 3:34 AM	bl	0.310	1 053 588	0.348	0.013	68 137	148 820	0.298	0.037	0.9484	1.0000



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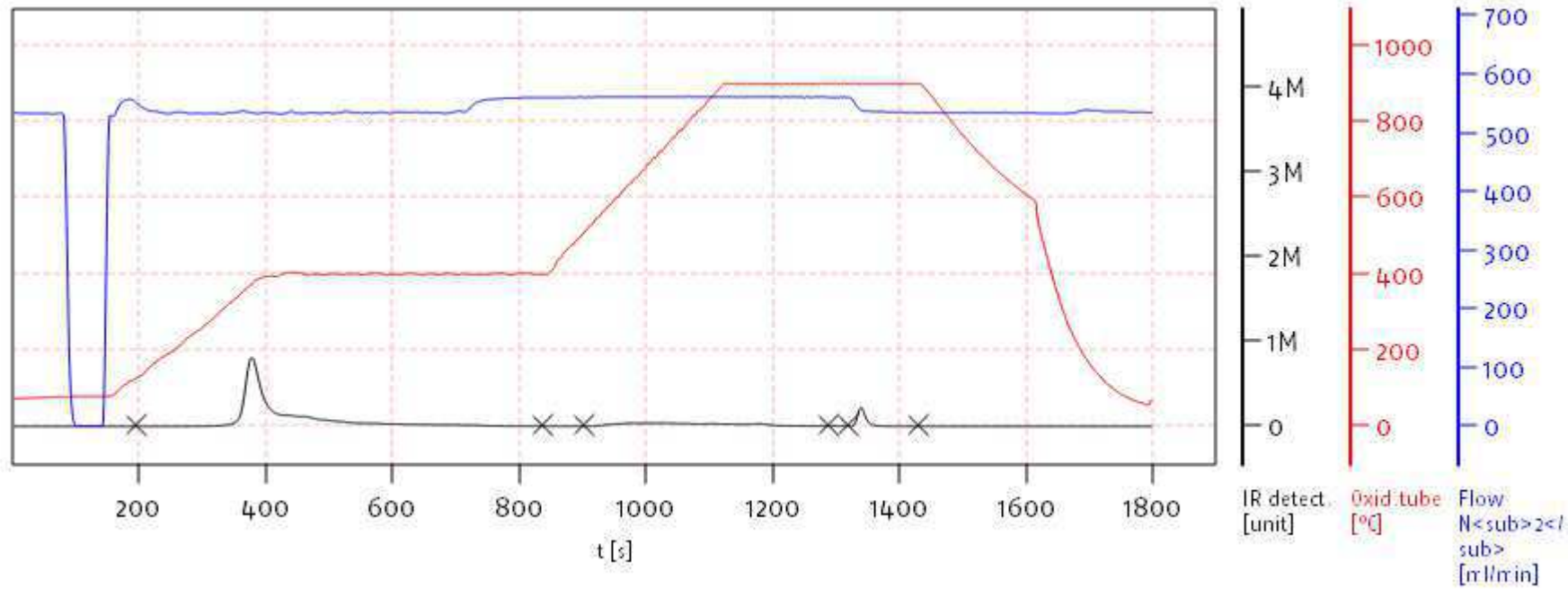
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
133	44	22L0136-10	222.90		CARBON	12/15/2022 4:04 AM	bl	1.100	1 588 962	1.310	0.071	128 884	328 625	1.029	0.210	0.9484	1.0000



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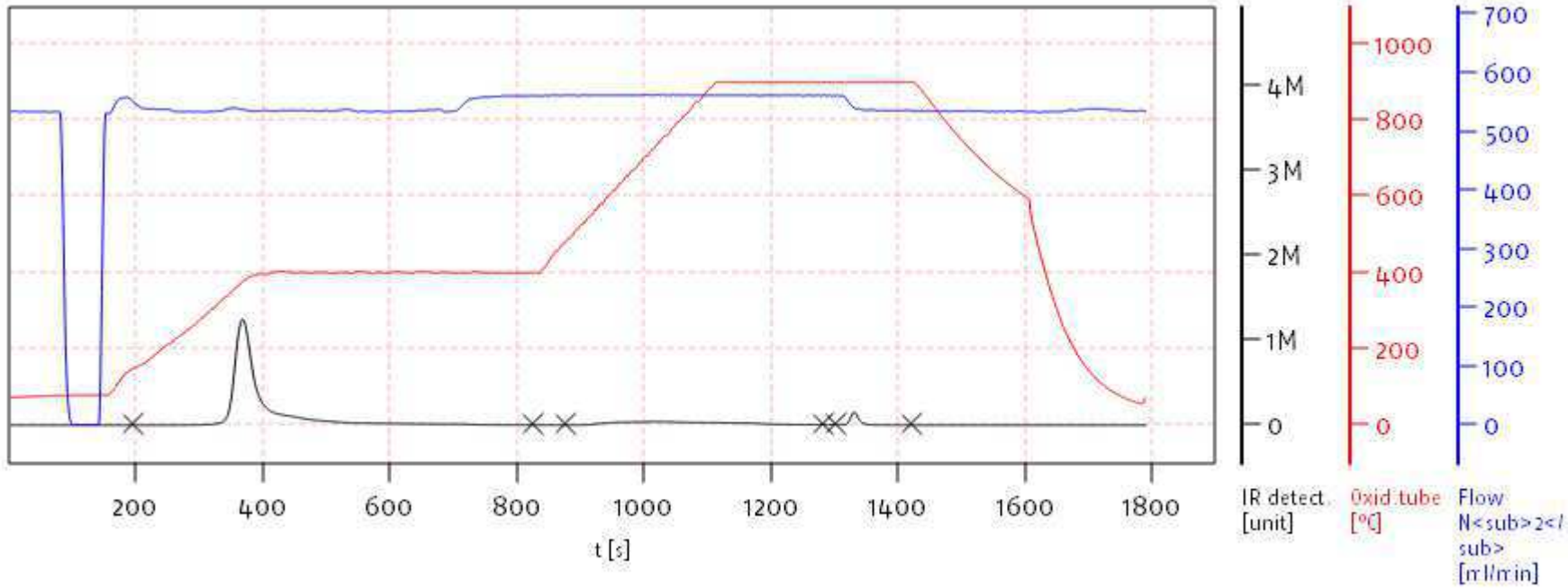
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
134	45	22L0136-11	246.60		CARBON	12/15/2022 4:34 AM	bl	1.268	2 087 892	1.464	0.041	91 303	338 904	1.227	0.196	0.9484	1.0000



Name:

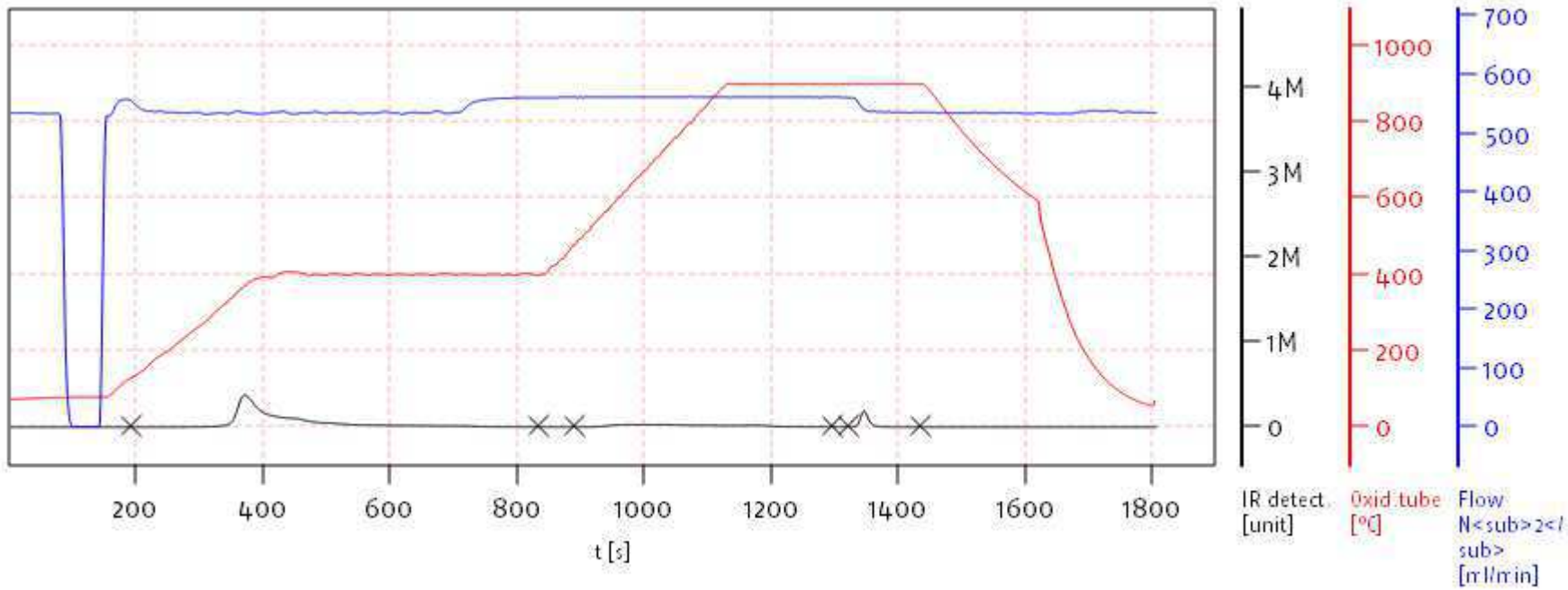
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
135	46	22L0136-12	158.00		CARBON	12/15/2022 5:05 AM	bl	1.051	1 071 049	1.267	0.081	108 867	246 642	0.971	0.216	0.9484	1.0000



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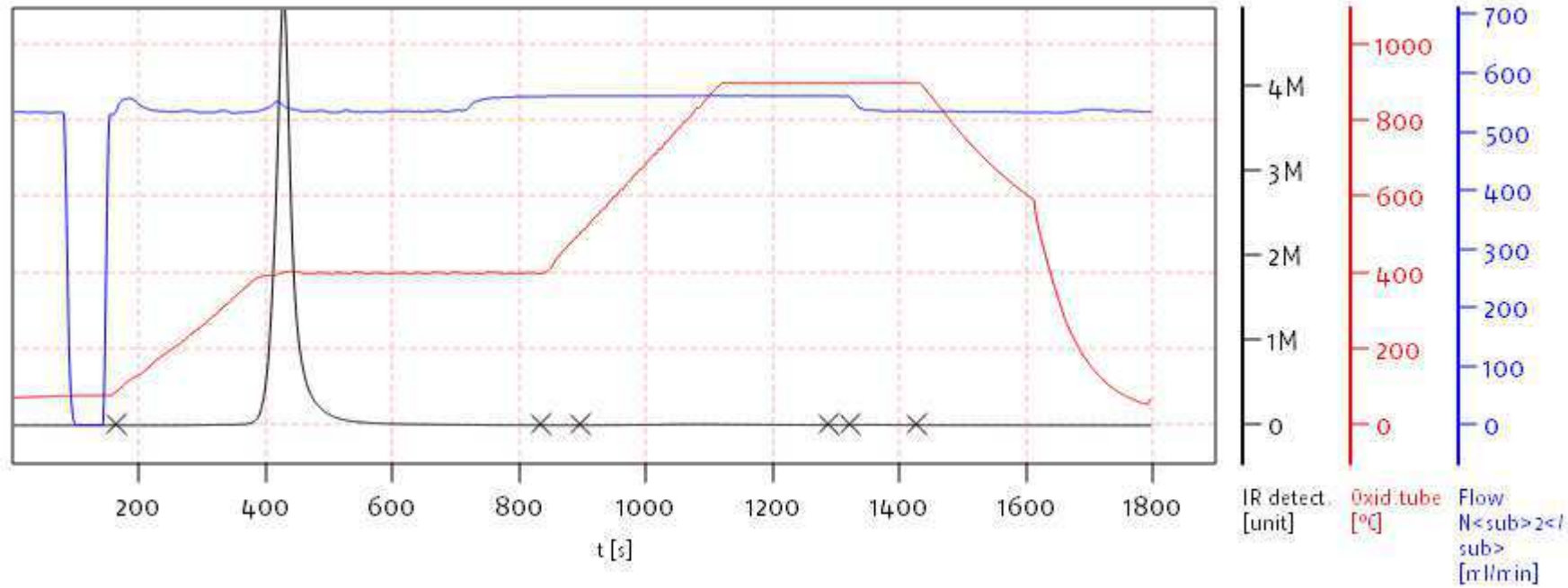
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
136	47	SKL0152-CCVB	20.50		CARBON	12/15/2022 5:35 AM	bl	44.846	6 288 696	45.451	0.000	19 522	106 640	44.846	0.605	0.9484	1.0000



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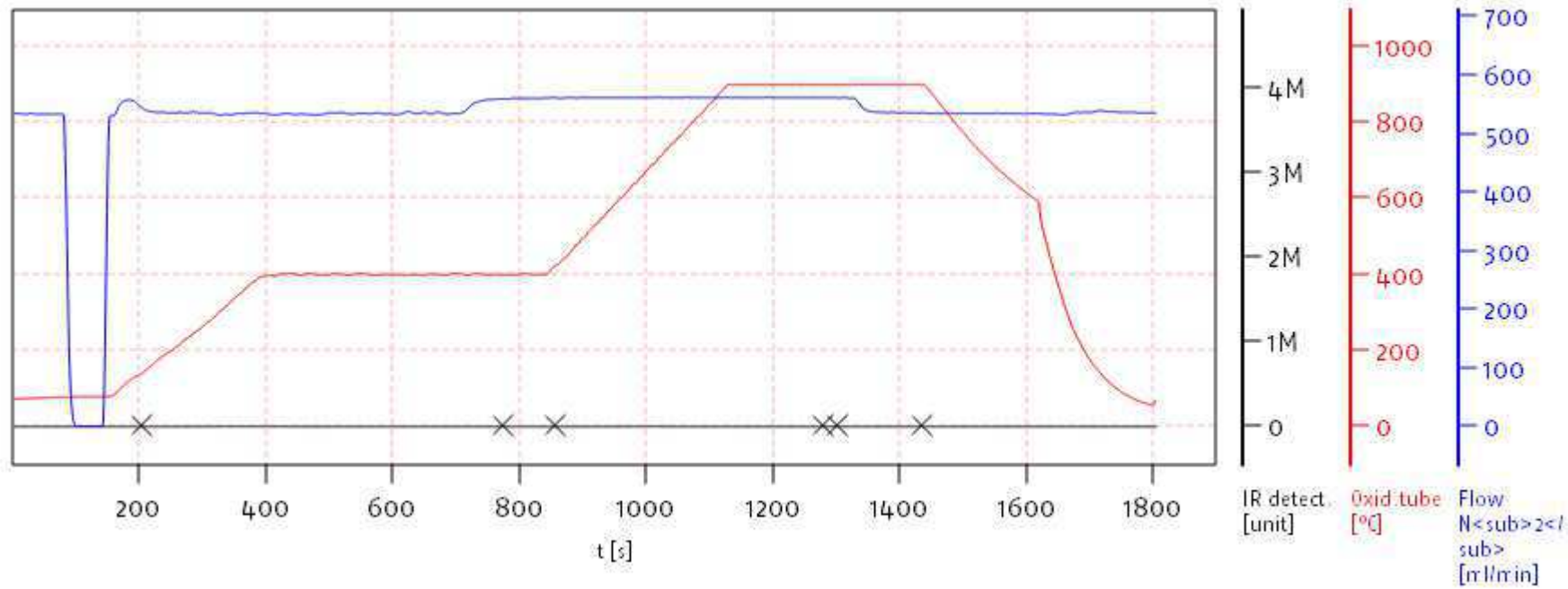
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
137	48	SKL0152-CCBB	514.50		CARBON	12/15/2022 6:06 AM	bl,C2u	0.000	7 616	0.000	0.000	339	3 227	0.000	0.000	0.9484	1.0000



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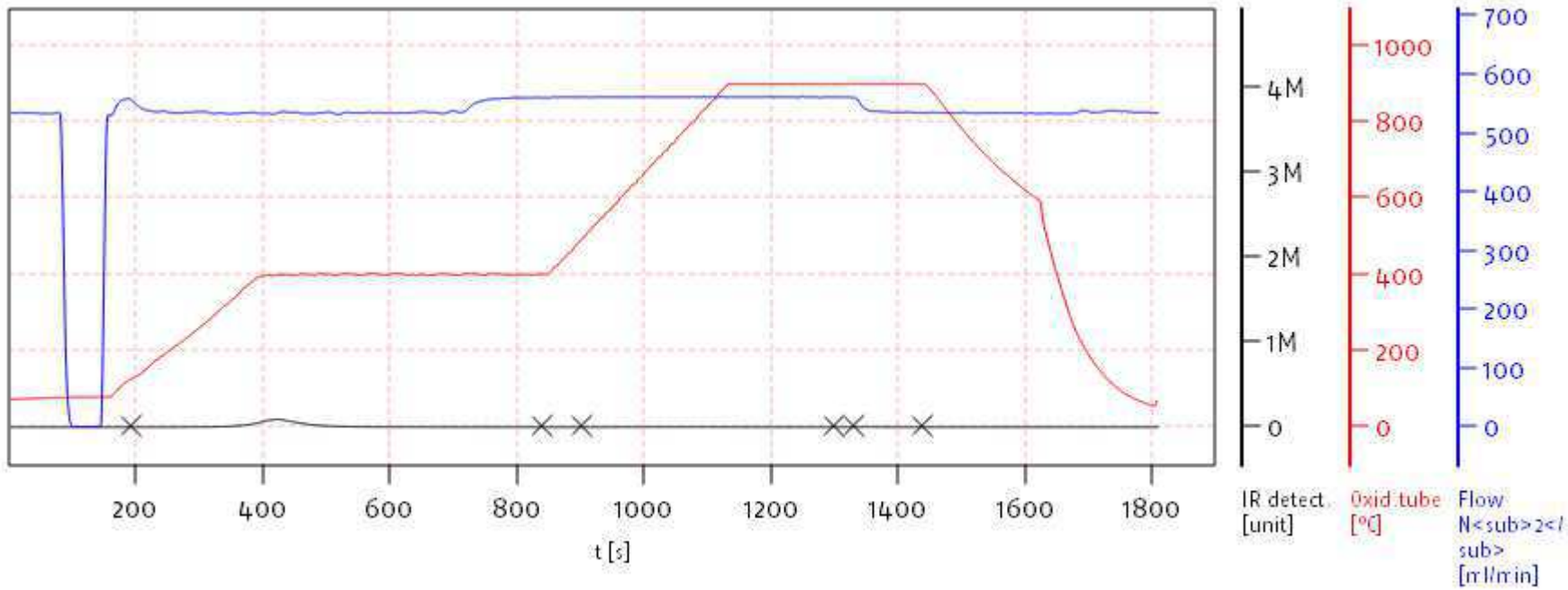
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
138	49	22L0137-01	216.80		CARBON	12/15/2022 6:36 AM	bl	0.186	301 002	0.186	0.000	3 453	13 280	0.186	0.000	0.9484	1.0000



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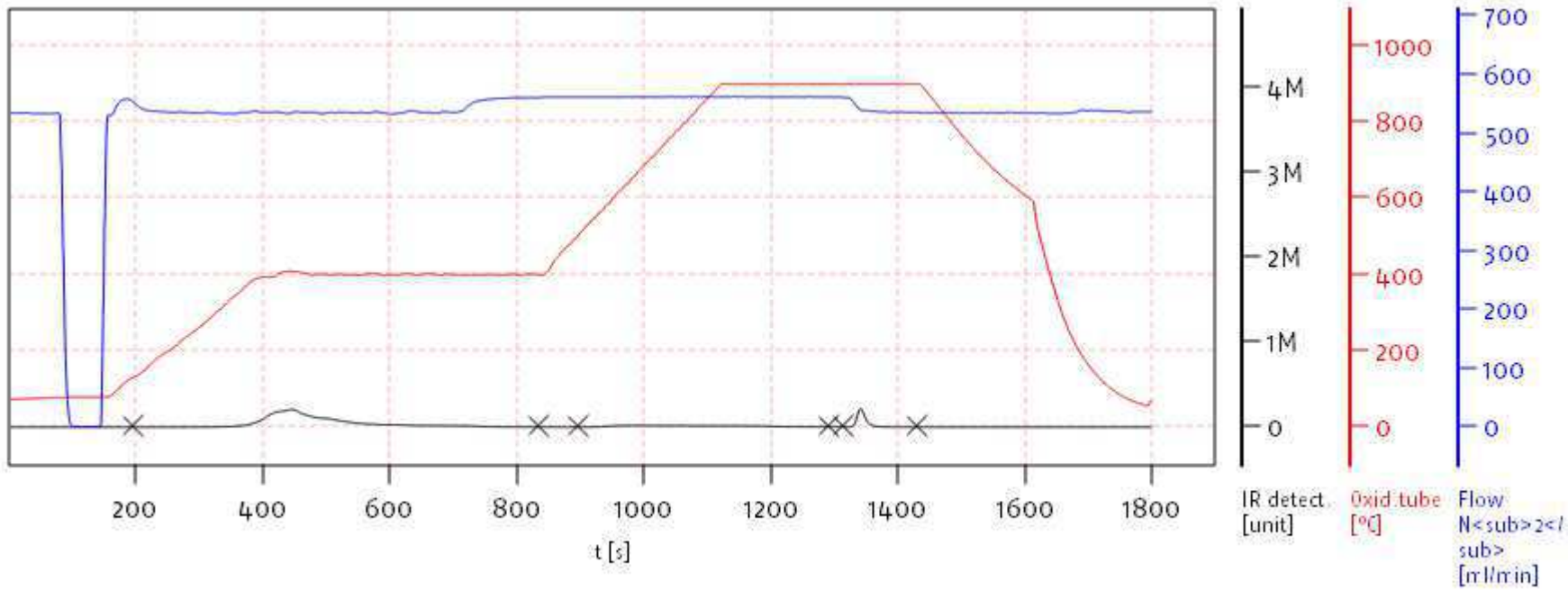
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
139	50	22L0137-02	545.20		CARBON	12/15/2022 7:07 AM	bl	0.279	951 956	0.318	0.029	129 748	166 758	0.249	0.040	0.9484	1.0000



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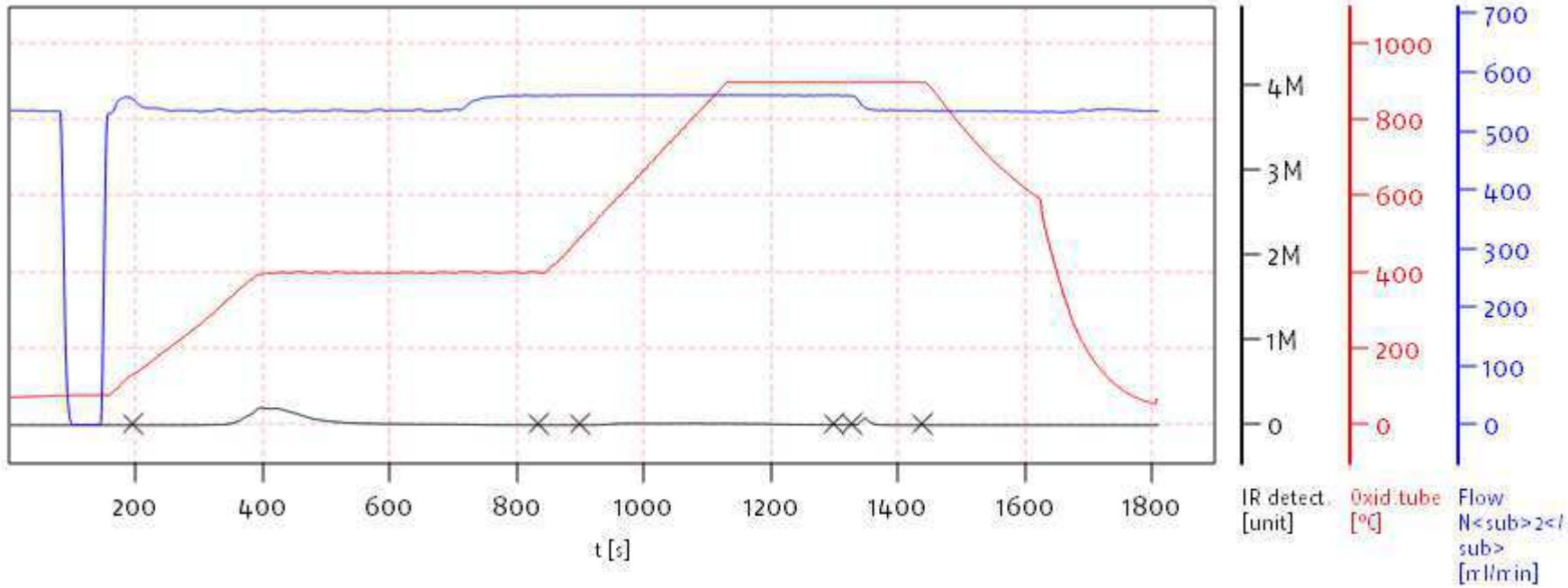
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
140	51	22L0137-03	212.20		CARBON	12/15/2022 7:37 AM	bl	0.610	883 249	0.732	0.017	49 808	194 614	0.593	0.123	0.9484	1.0000



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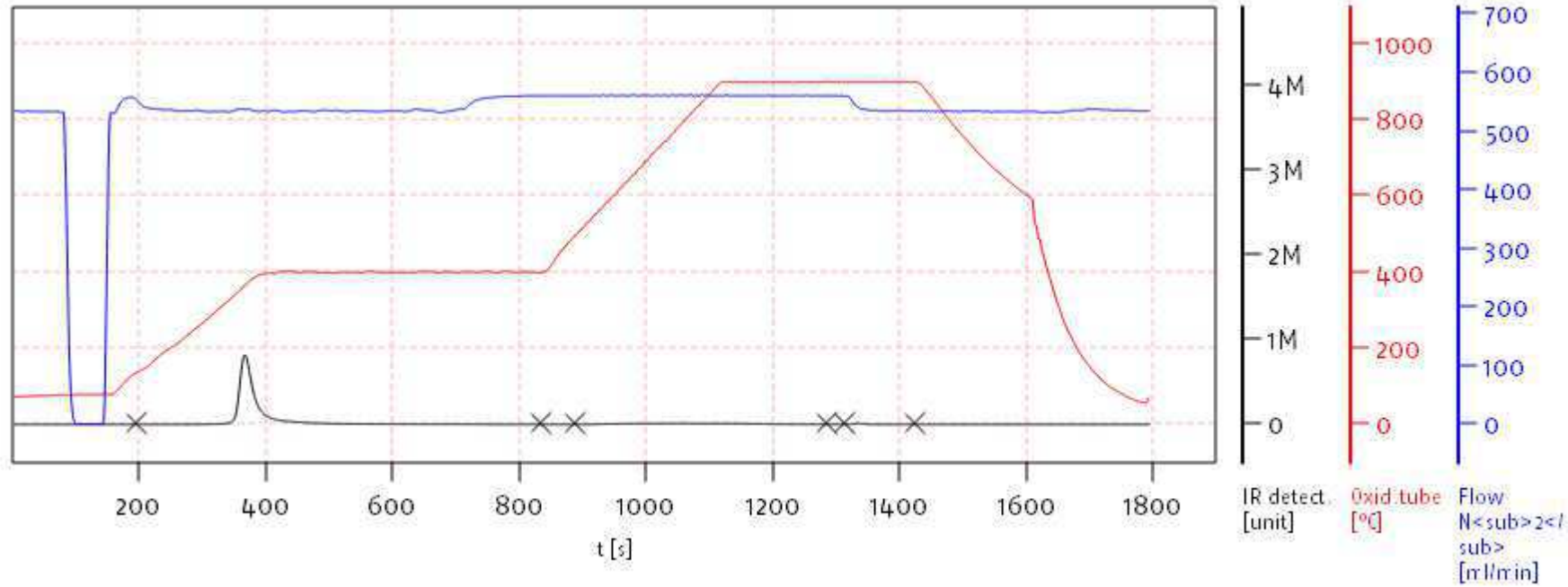
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
141	52	22L0137-04	101.60		CARBON	12/15/2022 8:07 AM	bl	1.323	941 817	1.437	0.000	8 477	101 782	1.323	0.115	0.9484	1.0000



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Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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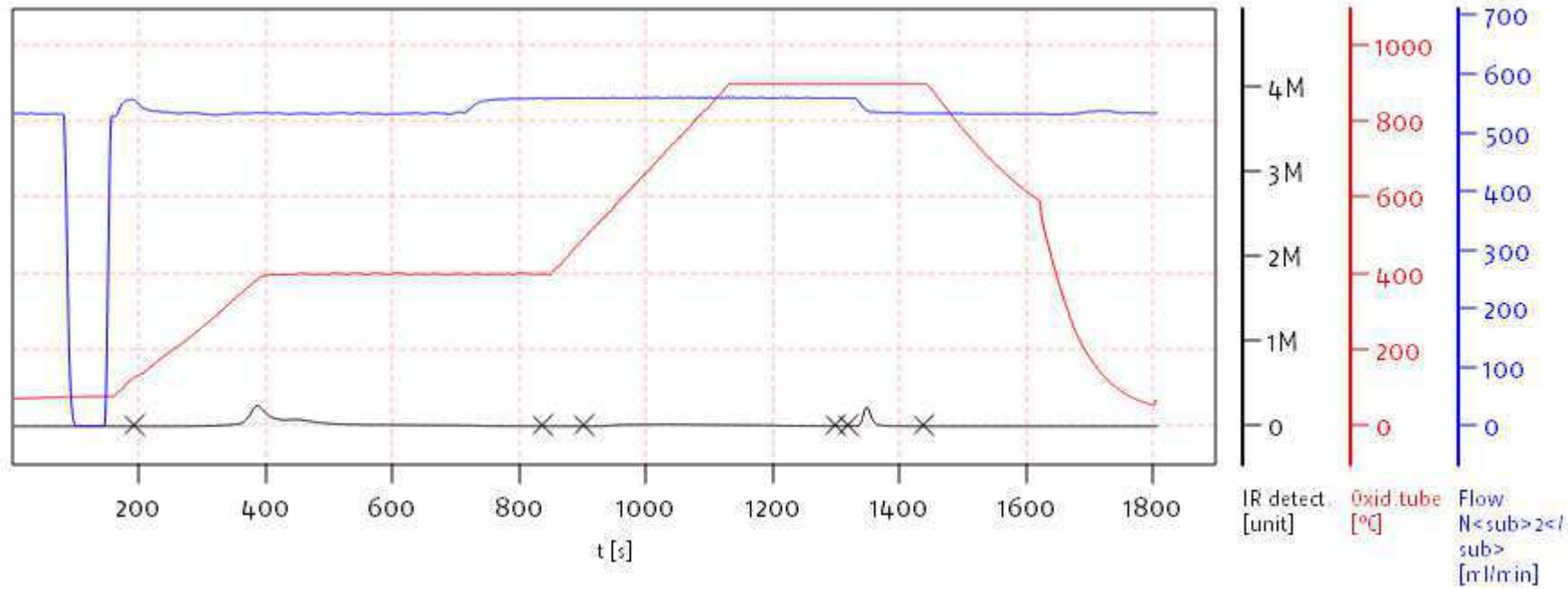
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
142	53	22L0137-05	108.50		CARBON	12/15/2022 8:38 AM	bl	1.079	708 222	1.323	0.157	136 370	197 221	0.922	0.244	0.9484	1.0000



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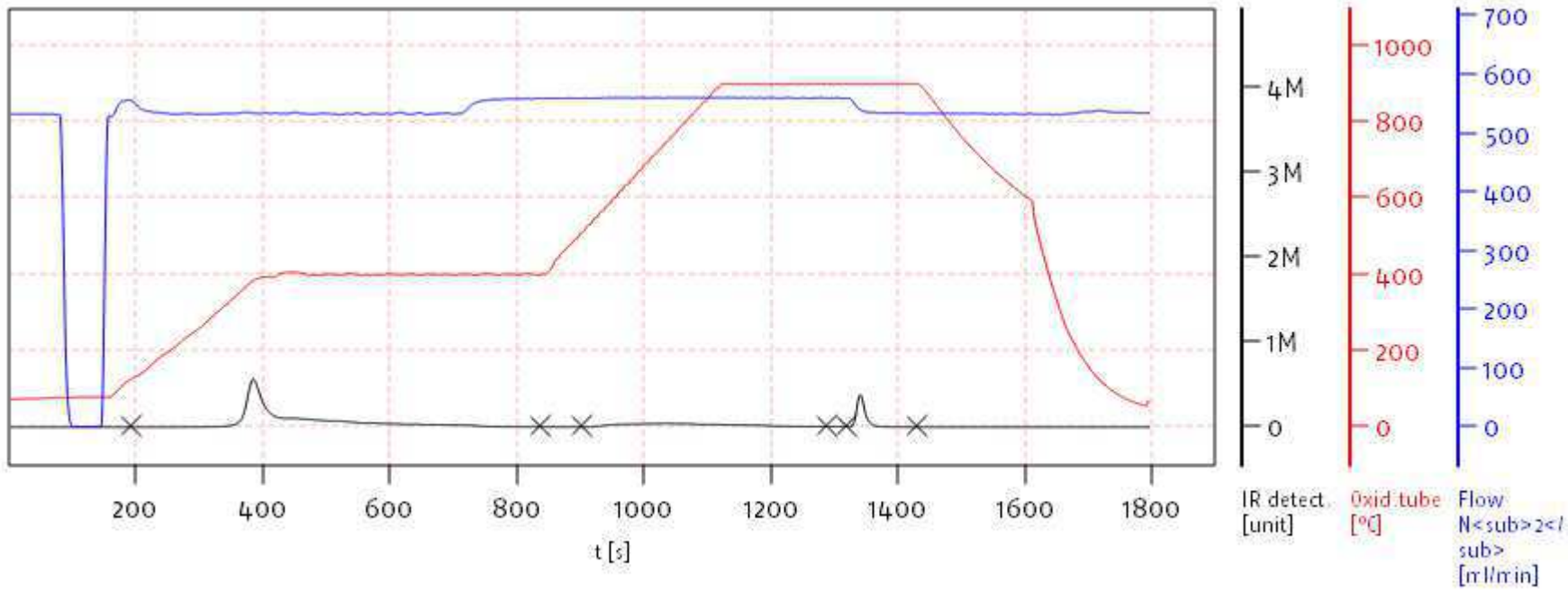
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
143	54	22L0137-06	190.00		CARBON	12/15/2022 9:08 AM	bl	1.167	1 328 431	1.426	0.161	224 578	343 785	1.006	0.258	0.9484	1.0000



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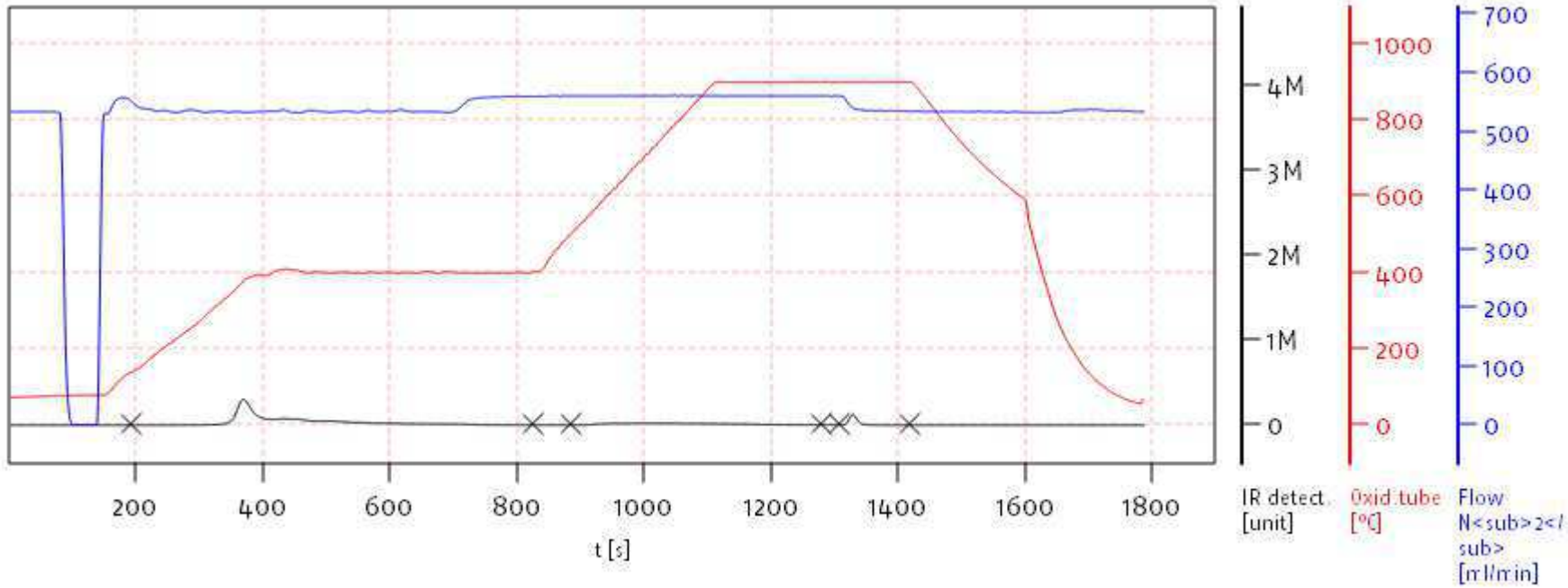
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
144	55	22L0137-07	108.70		CARBON	12/15/2022 9:39 AM	bl	1.103	796 560	1.329	0.063	70 780	185 433	1.040	0.226	0.9484	1.0000



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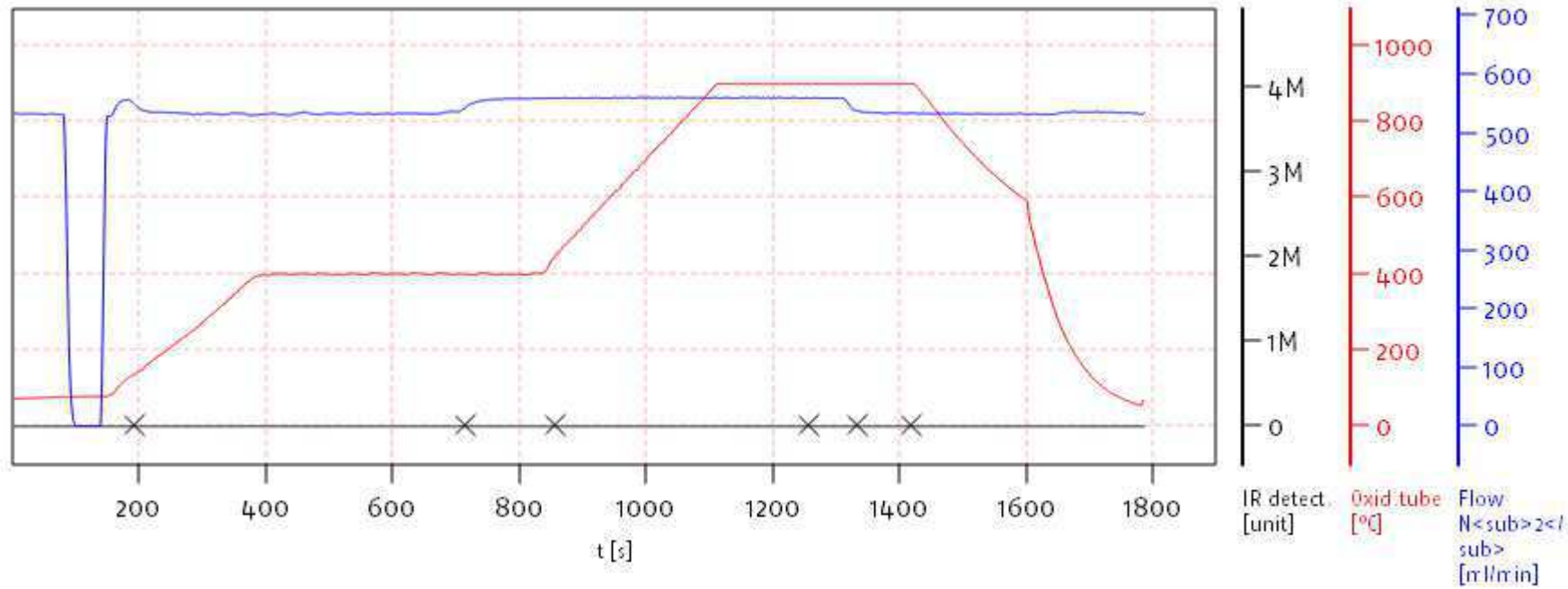
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
145	56	BLANK	1.00		CARBON	12/15/2022 10:09 AM	bl	0.000	5 132	0.000	0.000	98	585	0.000	0.000	0.9484	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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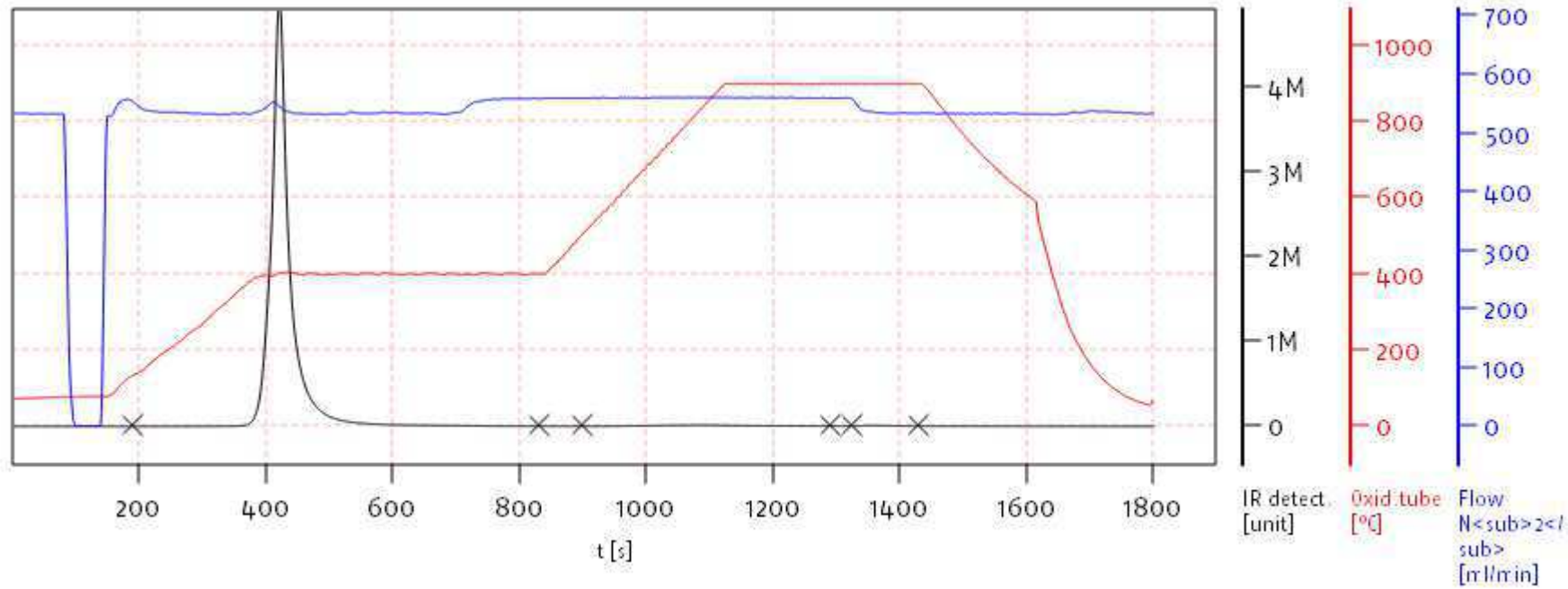
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
146	57	Dfactor	20.90		CARBON	12/15/2022 10:39 AM	bl	44.446	6 328 553	45.053	0.000	24 598	108 555	44.446	0.608	0.9522	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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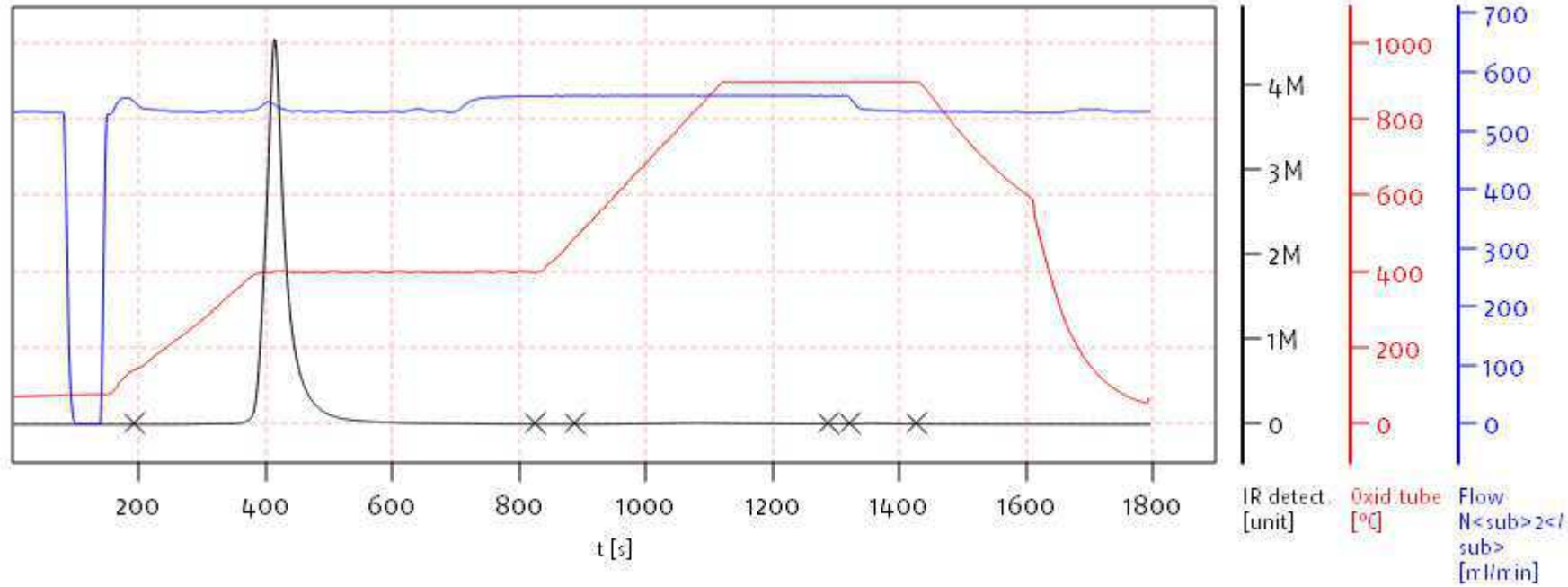
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
147	58	Dfactor	22.10		CARBON	12/15/2022 11:10 AM	bl	44.480	6 548 725	45.258	0.035	31 499	137 533	44.446	0.778	0.9729	1.0000



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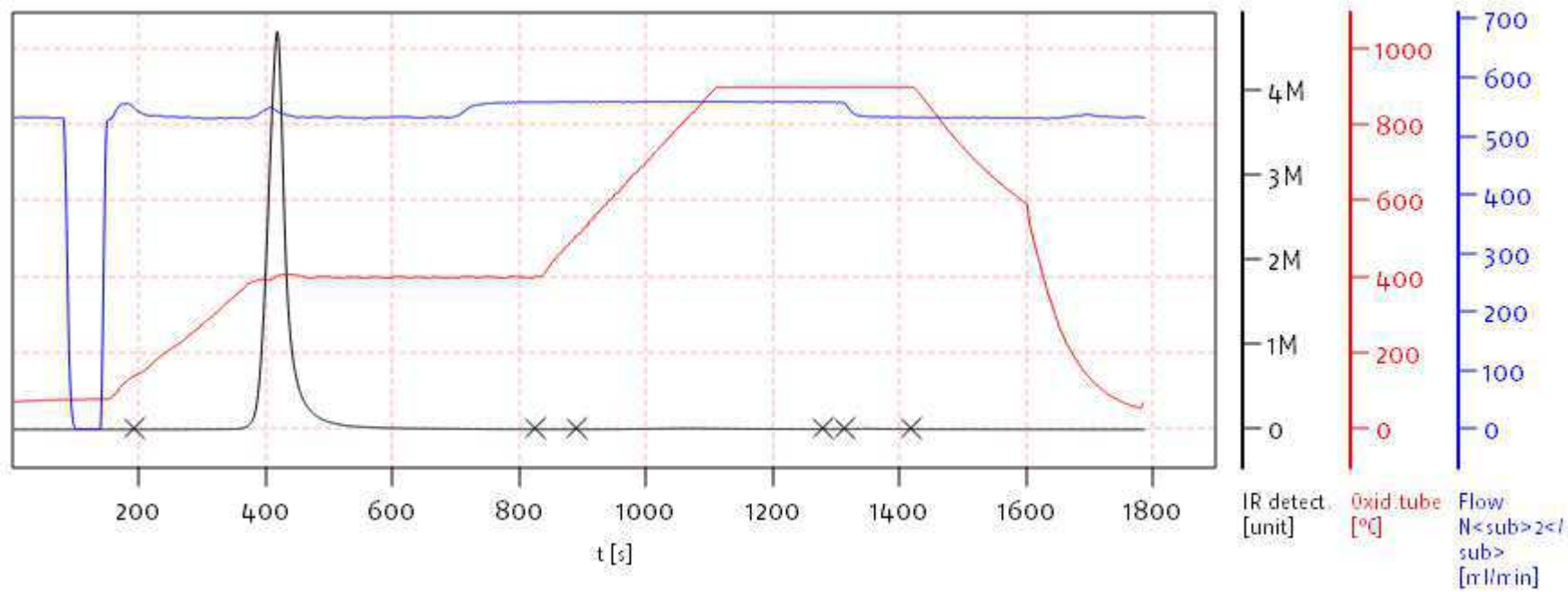
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
148	59	SKL0152-CCVC	20.30		CARBON	12/15/2022 11:40 AM	bl	45.055	6 164 932	45.590	0.000	23 564	96 685	45.055	0.535	0.9625	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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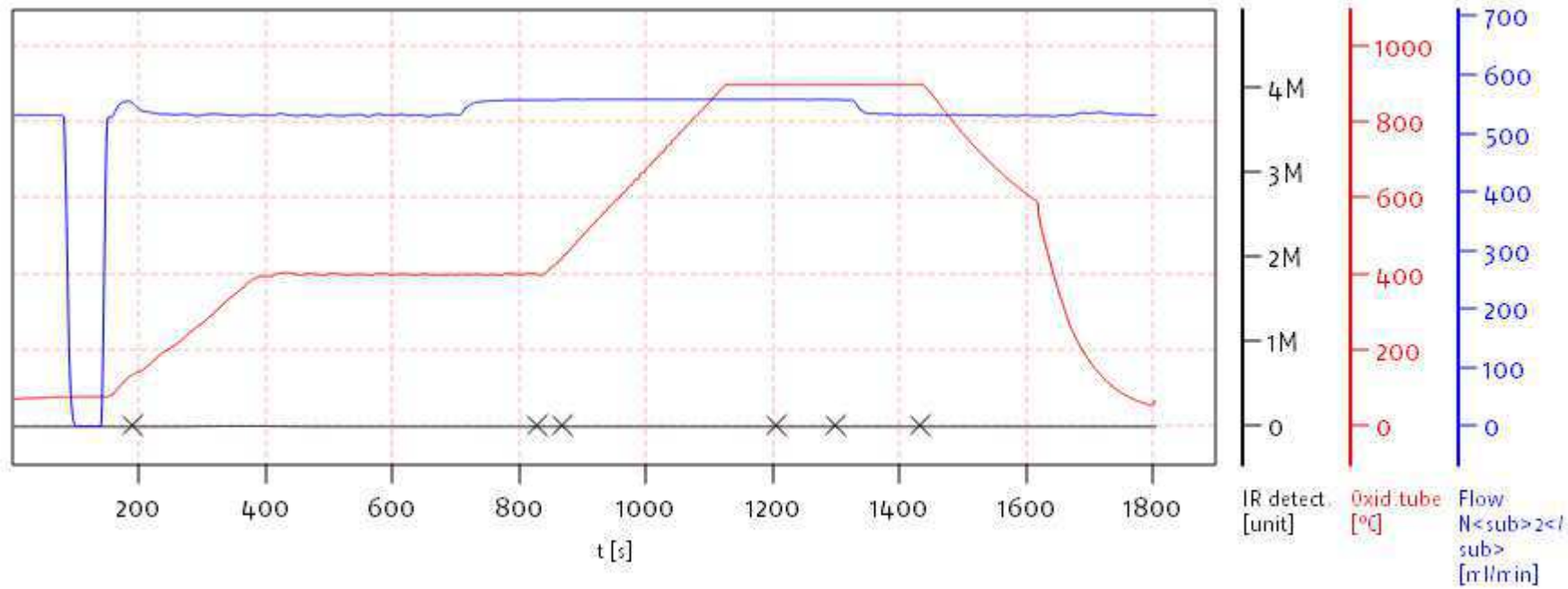
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
149	60	SKL0152-CCBC	509.70		CARBON	12/15/2022 12:10 PM	bl,C2u	0.002	32 017	0.002	0.000	798	2 656	0.002	0.000	0.9625	1.0000



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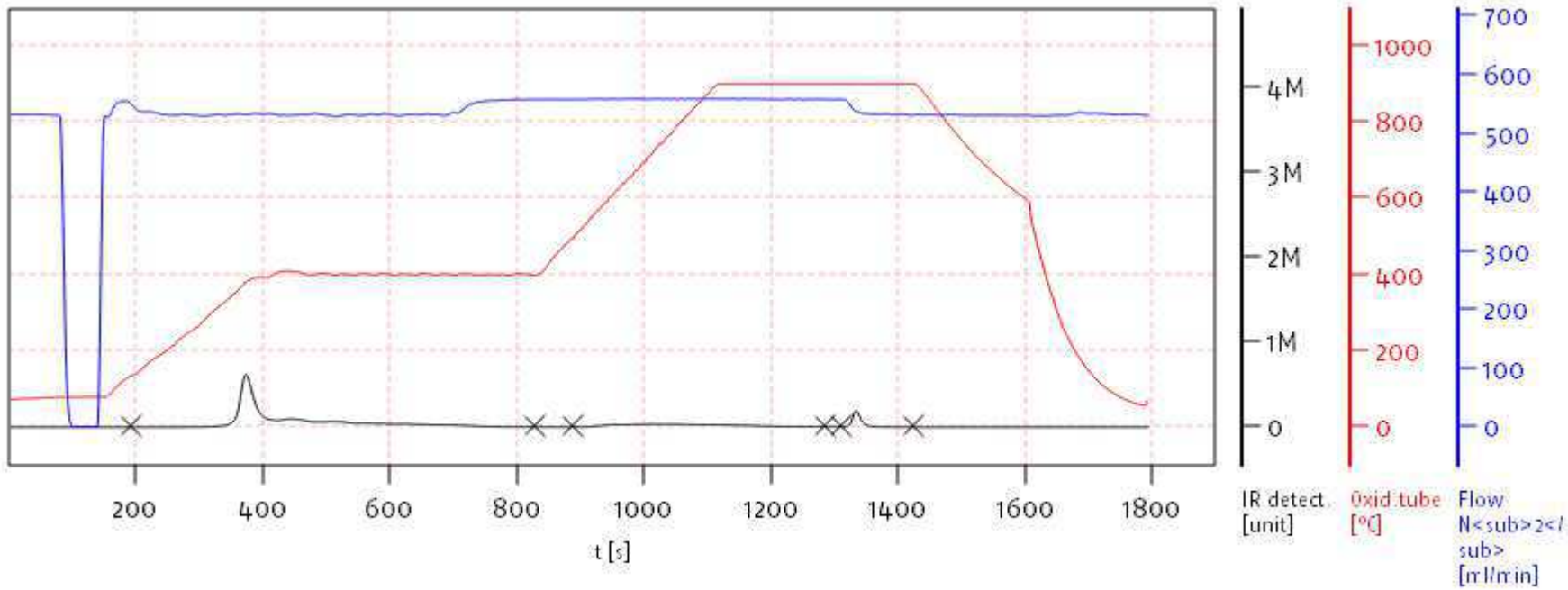
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
150	61	22L0137-08	160.60		CARBON	12/15/2022 12:41 PM	bl	1.241	1 270 917	1.502	0.087	116 742	296 367	1.155	0.260	0.9625	1.0000



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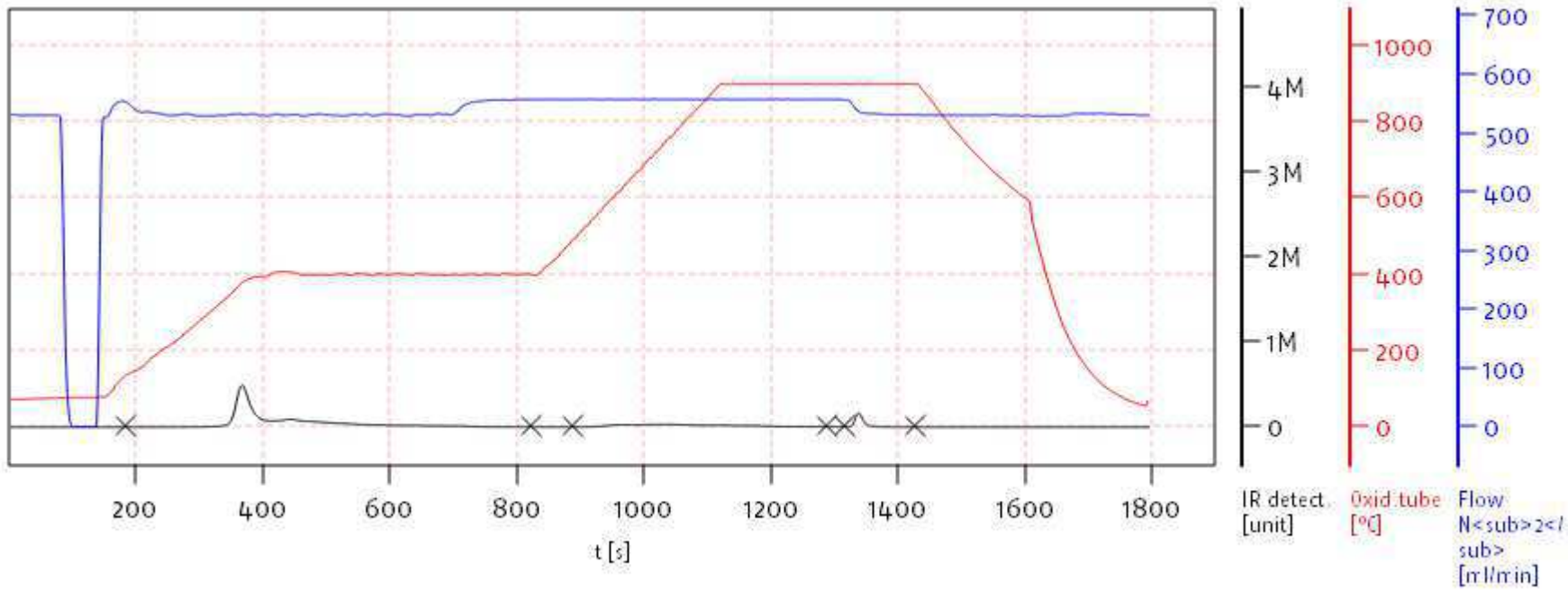
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
151	62	22L0137-09	146.80		CARBON	12/15/2022 1:11 PM	bl	1.076	1 014 738	1.313	0.073	96 111	251 267	1.003	0.237	0.9625	1.0000



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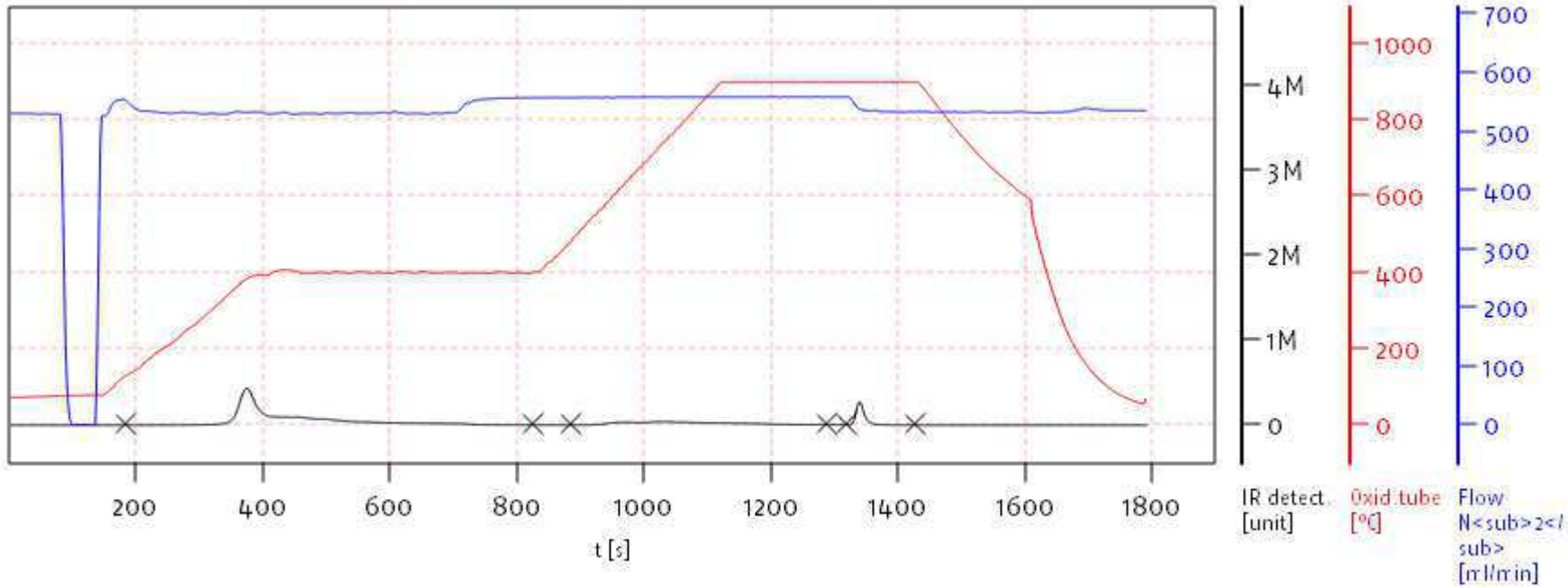
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
152	63	22L0137-10	184.20		CARBON	12/15/2022 1:41 PM	bl	1.015	1 140 184	1.249	0.114	161 817	305 780	0.901	0.235	0.9625	1.0000



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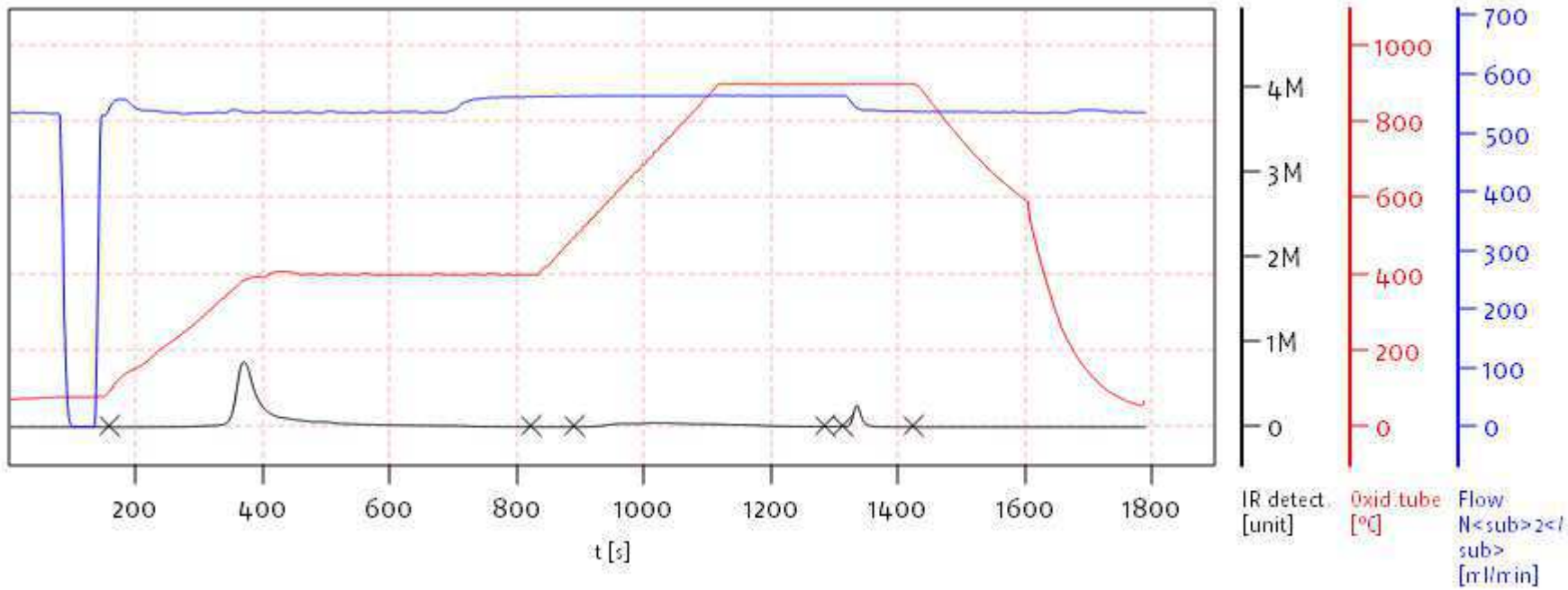
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
153	64	22L0137-11	201.30		CARBON	12/15/2022 2:11 PM	bl	1.247	1 585 291	1.517	0.093	148 084	377 461	1.154	0.270	0.9625	1.0000



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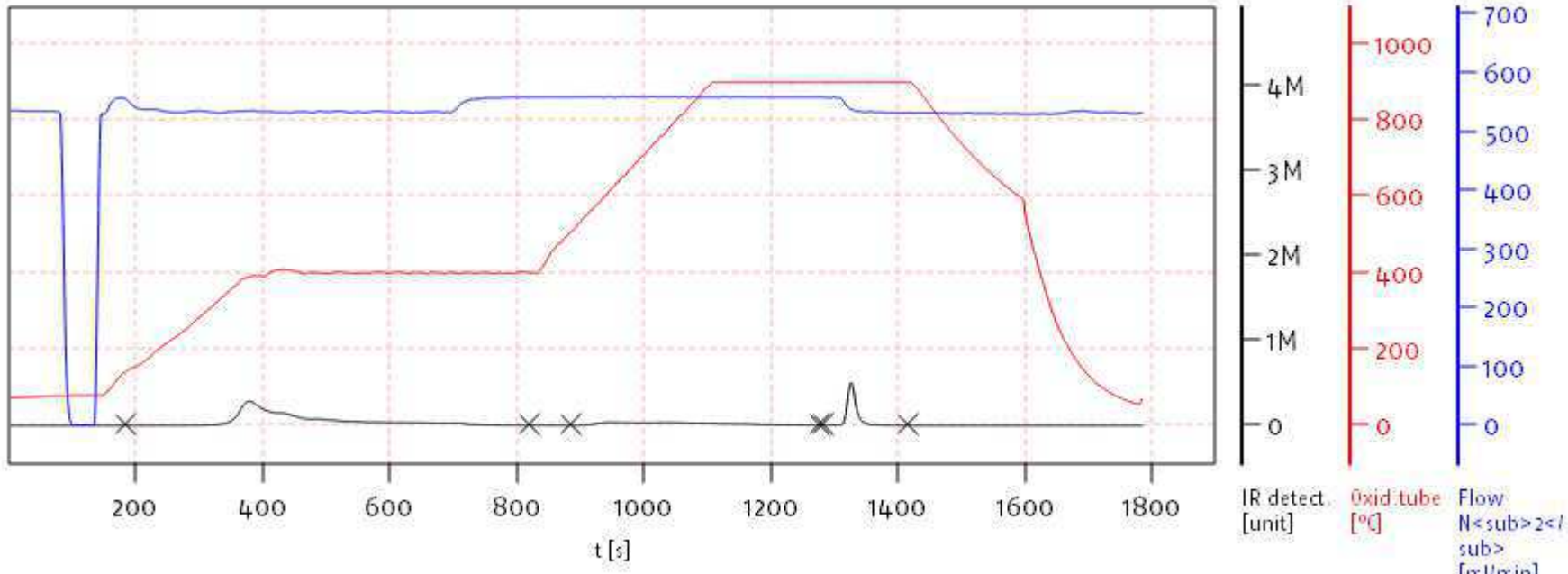
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
154	65	22L0137-12	208.70		CARBON	12/15/2022 2:42 PM	bl	1.024	1 172 229	1.225	0.206	304 115	297 565	0.818	0.201	0.9625	1.0000



Name:

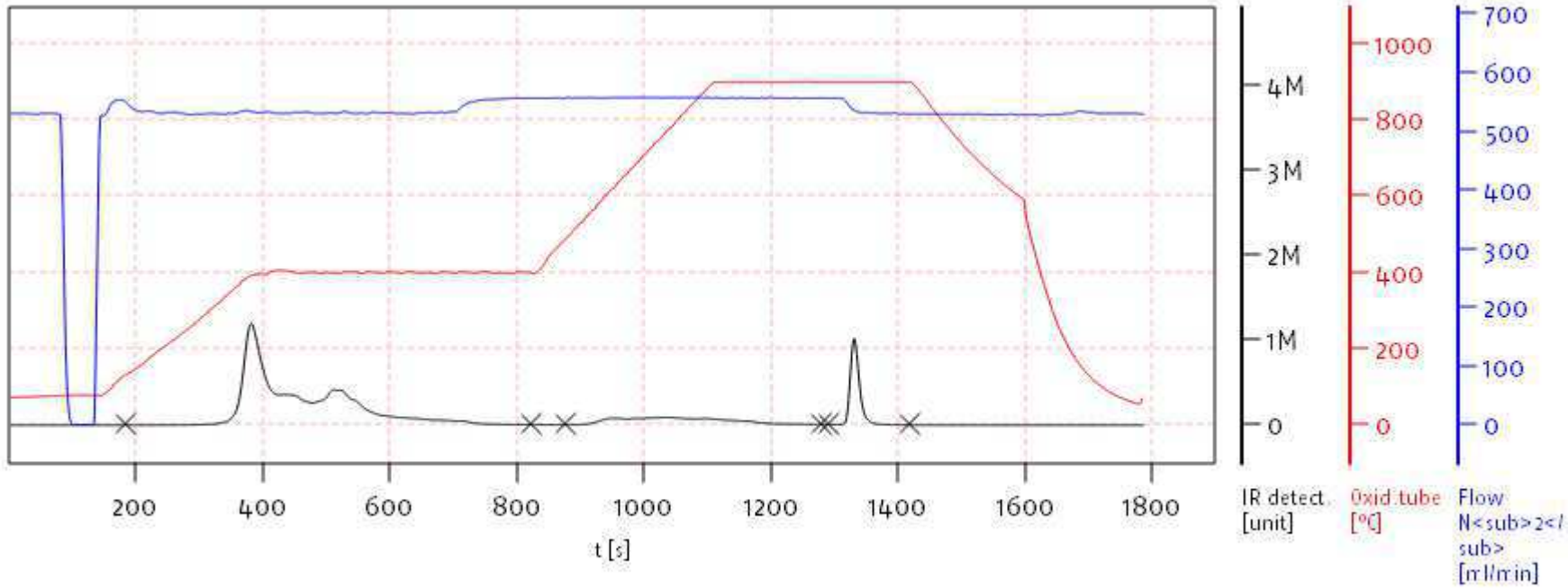
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
155	66	22L0137-13	510.20		CARBON	12/15/2022 3:12 PM	bl	1.351	3 998 223	1.572	0.191	656 166	756 164	1.160	0.221	0.9625	1.0000



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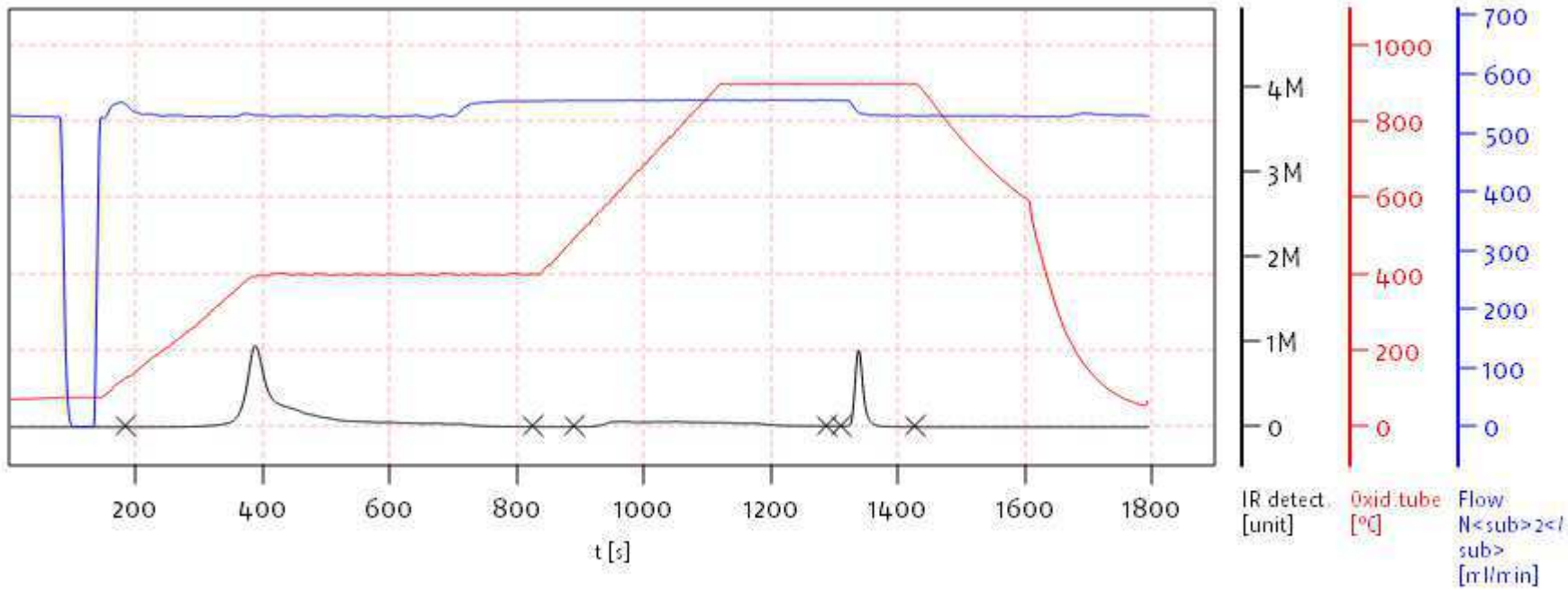
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
156	67	22L0137-14	300.00		CARBON	12/15/2022 3:42 PM	bl	1.424	2 372 574	1.715	0.258	527 442	591 877	1.165	0.292	0.9625	1.0000



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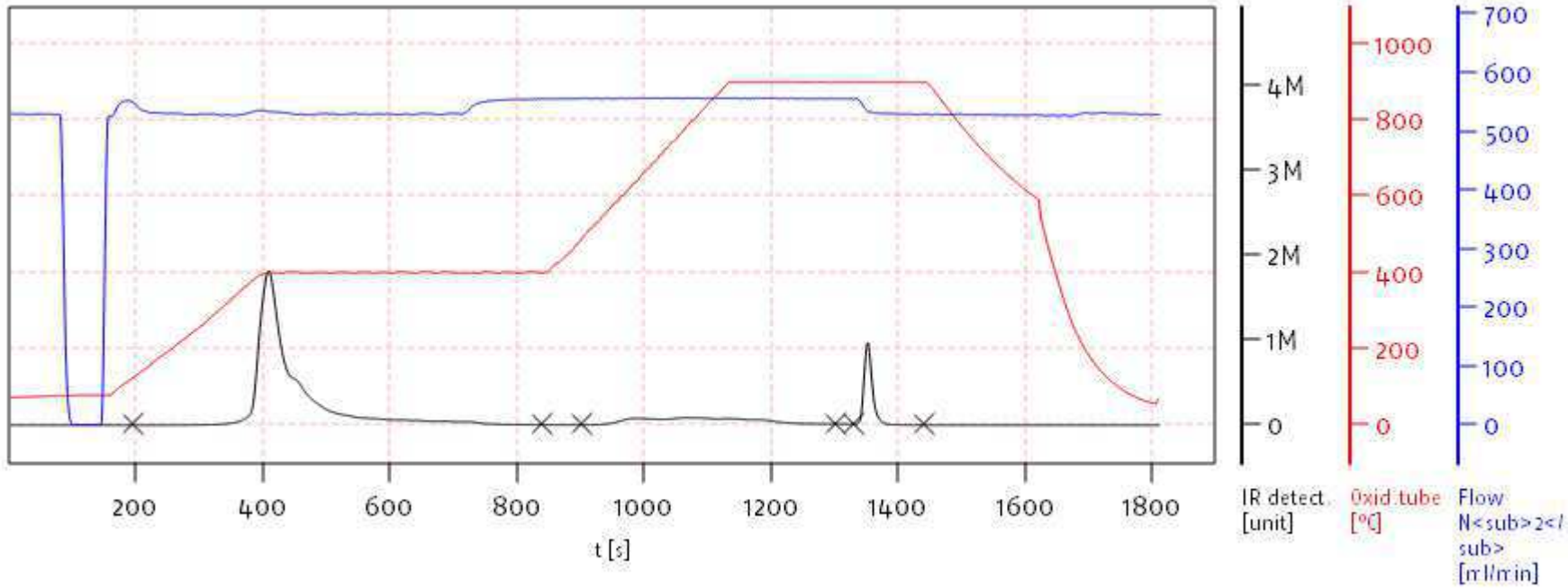
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
157	68	22L0137-15	518.50		CARBON	12/15/2022 4:13 PM	bl	1.322	4 076 804	1.547	0.158	557 140	777 538	1.164	0.224	0.9625	1.0000



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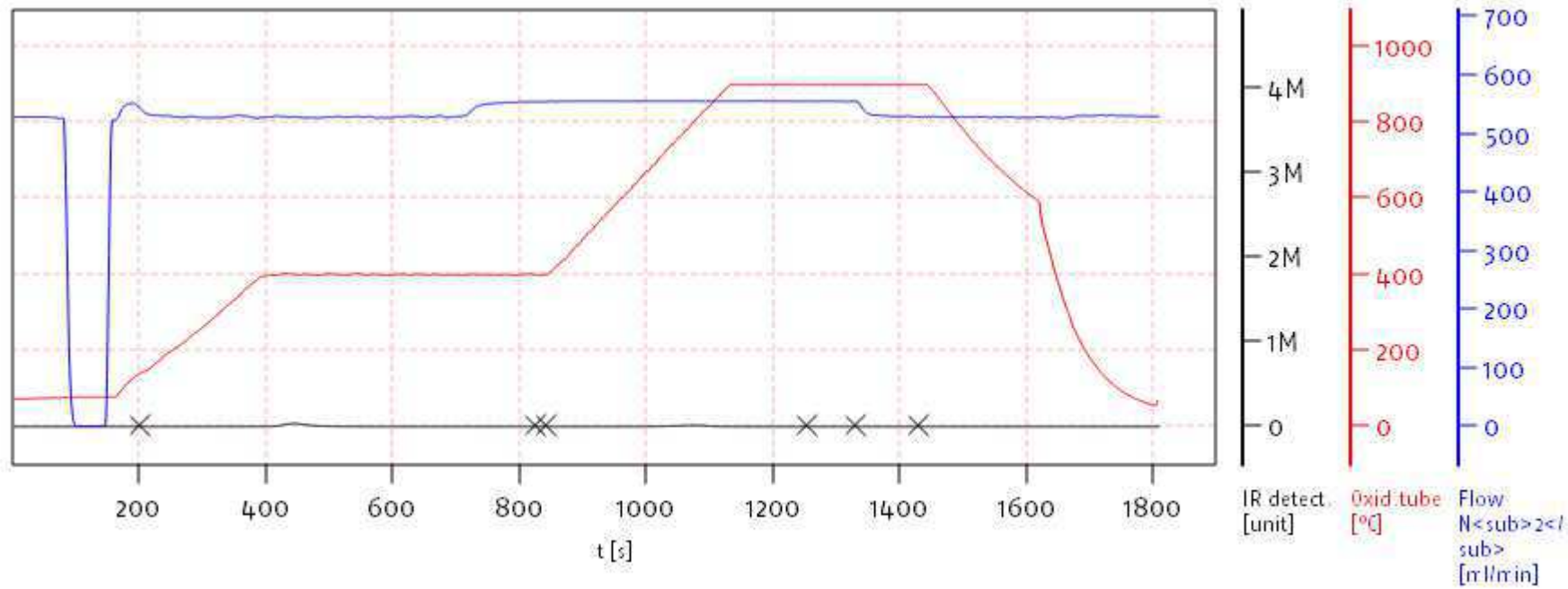
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
158	69	BKL0300-MRL1	532.70		CARBON	12/15/2022 4:43 PM	bl,C2u	0.012	70 689	0.015	0.000	111	35 829	0.012	0.003	0.9625	1.0000



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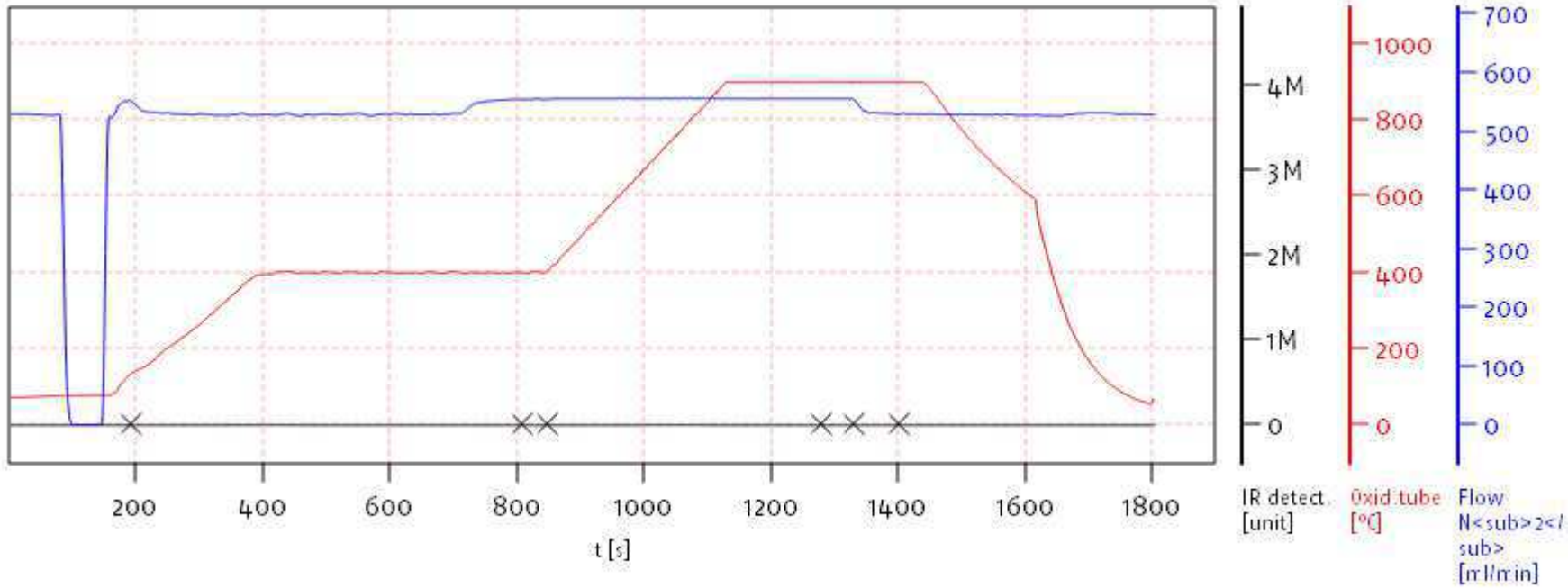
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
159	70	BKL0300-BLK1	519.70		CARBON	12/15/2022 5:14 PM	bl,C2u	0.000	9 307	0.000	0.000	190	9 380	0.000	0.000	0.9625	1.0000



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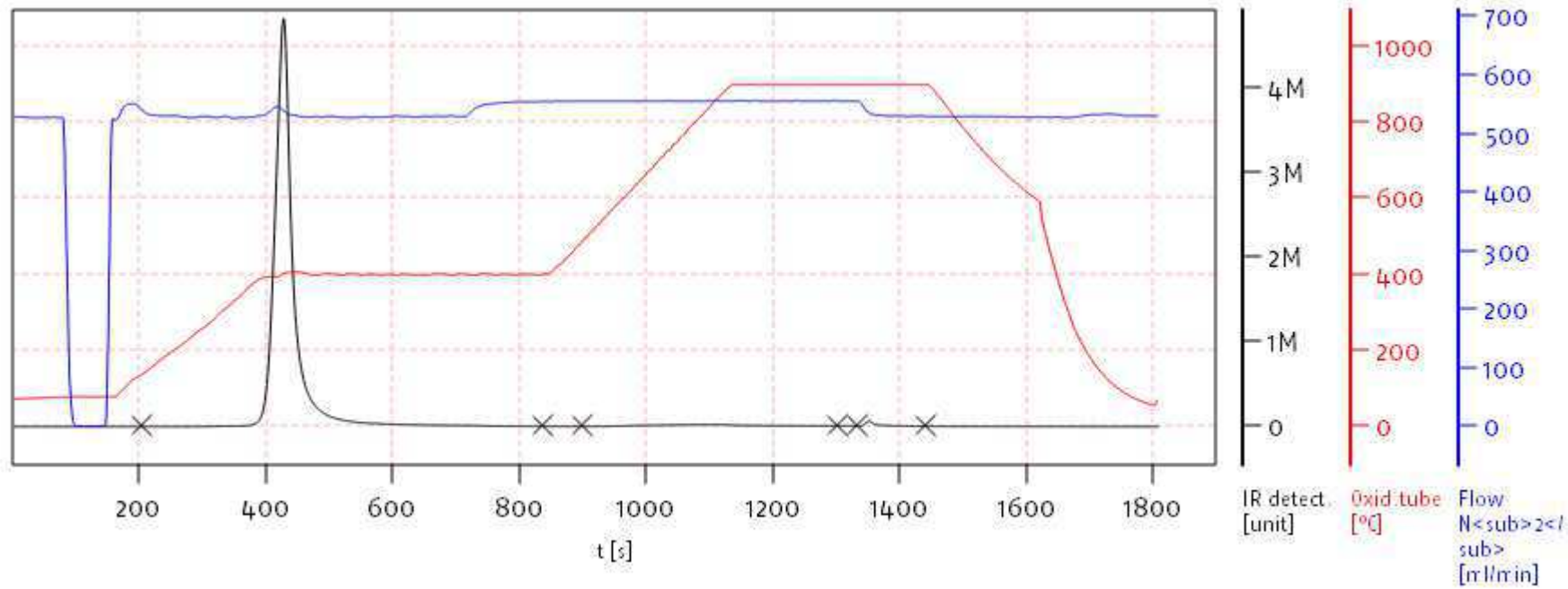
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
160	71	SKL0152-CCVD	20.40		CARBON	12/15/2022 5:44 PM	bl	44.015	6 013 724	45.289	0.285	64 140	194 320	43.730	1.273	0.9625	1.0000



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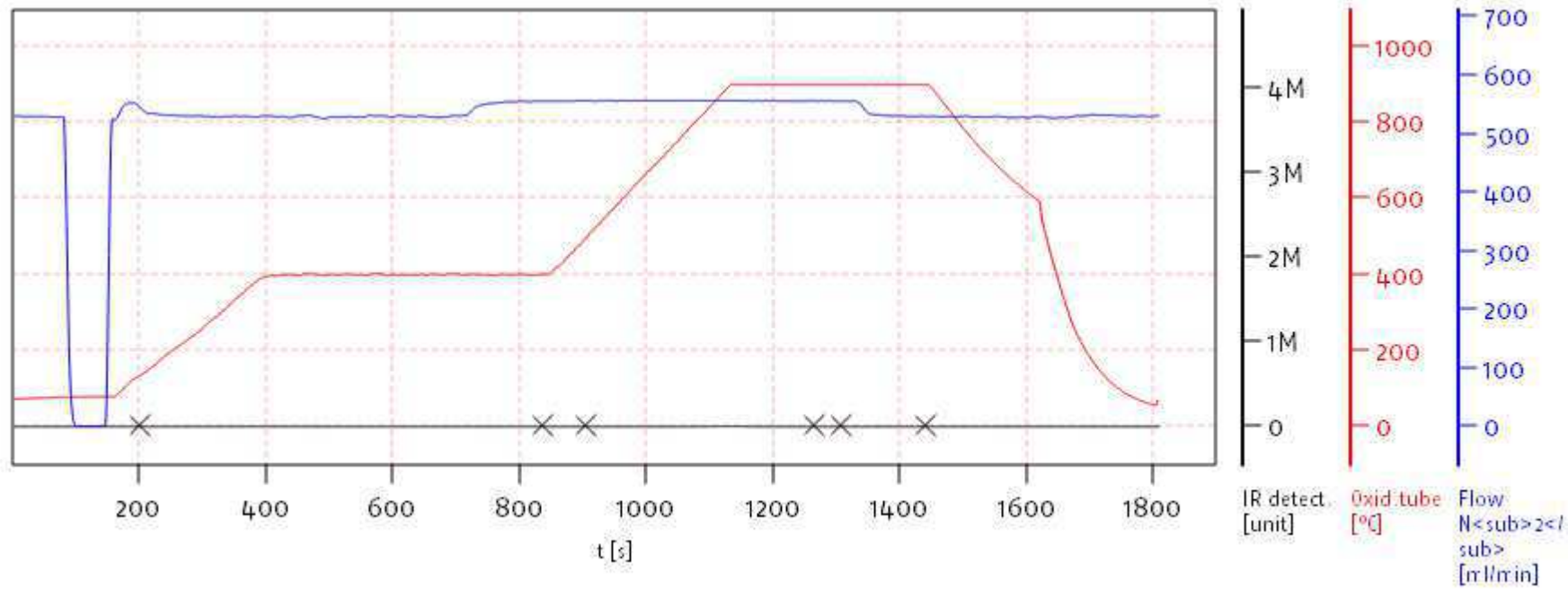
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
161	72	SKL0152-CCBD	506.20		CARBON	12/15/2022 6:15 PM	bl,C2u	0.000	6 043	0.000	0.000	461	8 549	0.000	0.000	0.9625	1.0000



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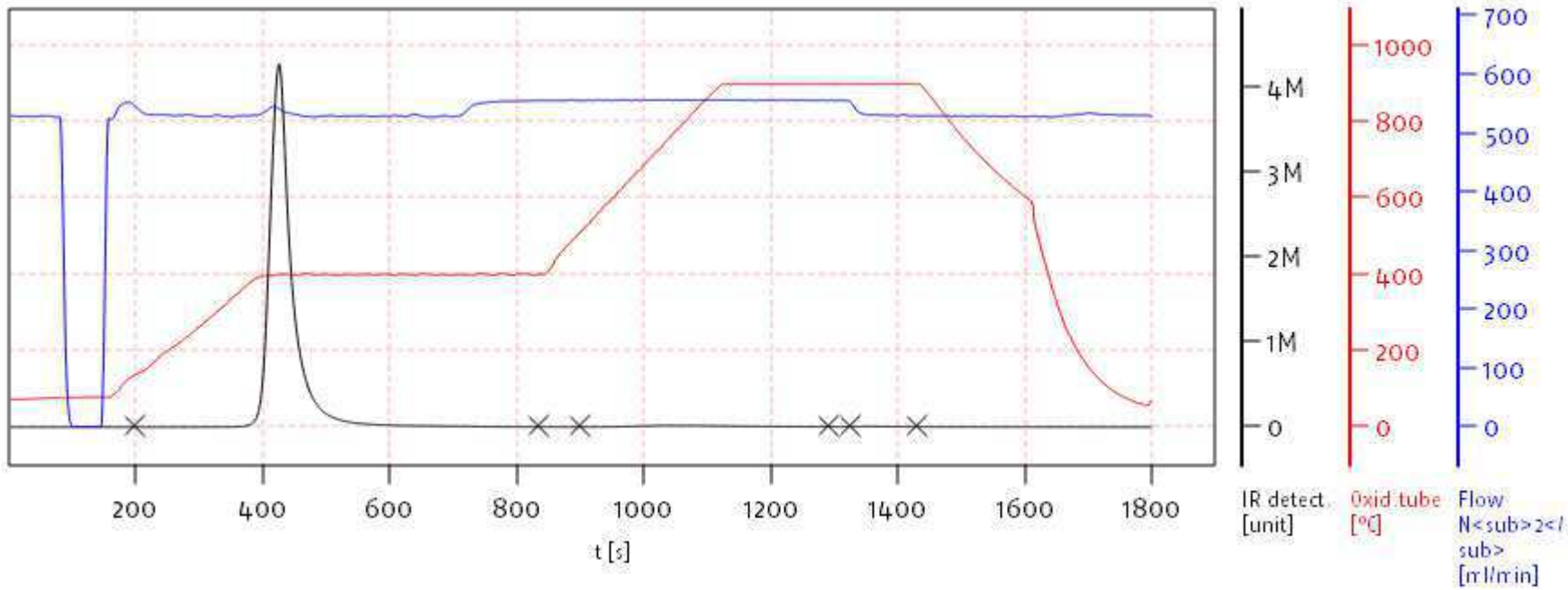
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
162	73	BKL0300-BS1	21.60		CARBON	12/15/2022 6:45 PM	bl	44.287	6 446 605	45.105	0.000	22 333	140 781	44.287	0.819	0.9625	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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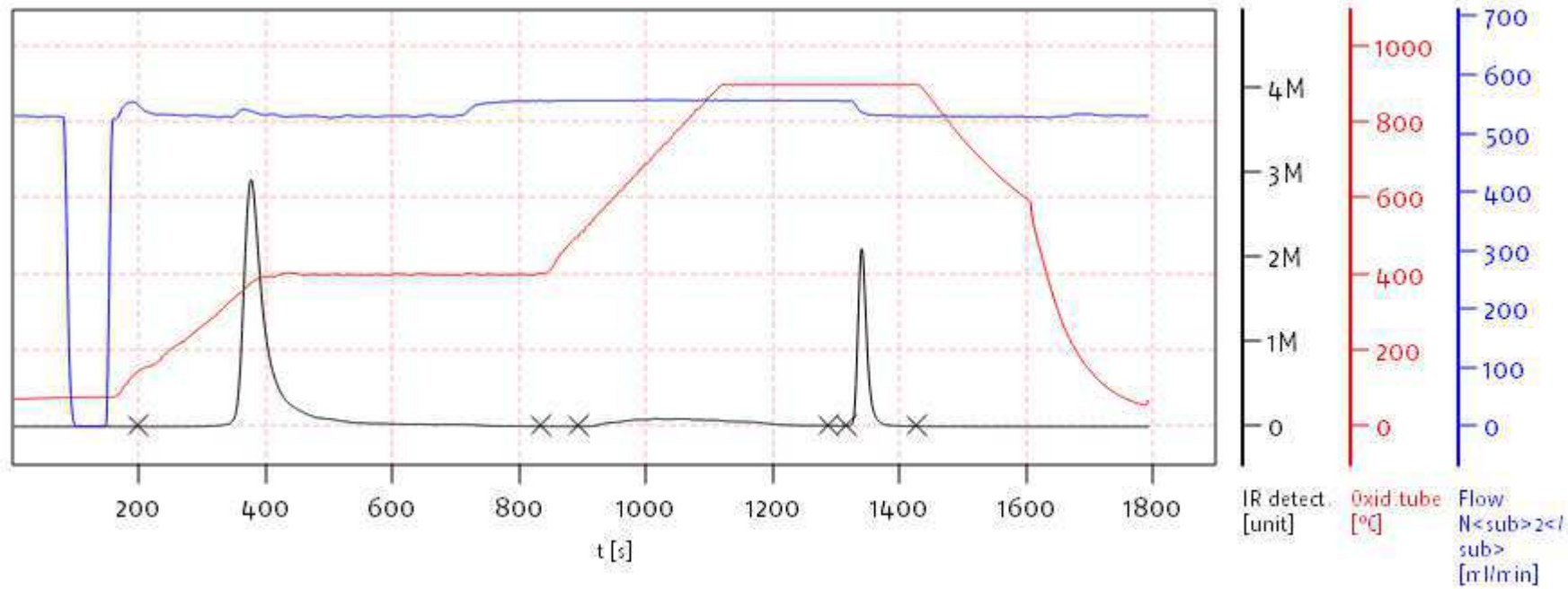
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
163	74	BKL0300-SRM1	299.90		CARBON	12/15/2022 7:16 PM	bl	2.969	4 676 004	3.353	0.659	1 303 989	770 117	2.310	0.384	0.9625	1.0000



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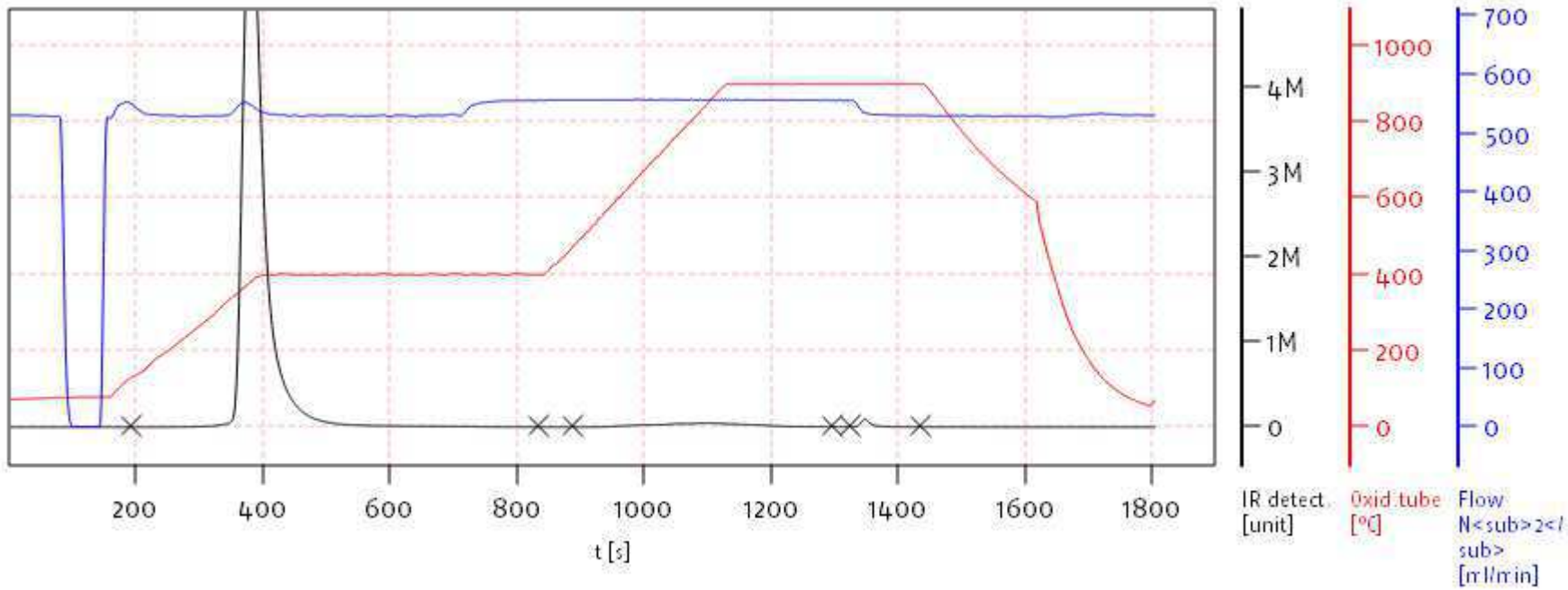
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
164	75	22L0137-16	500.80		CARBON	12/15/2022 7:46 PM	bl	2.701	9 060 963	2.791	0.013	68 692	318 901	2.688	0.090	0.9625	1.0000



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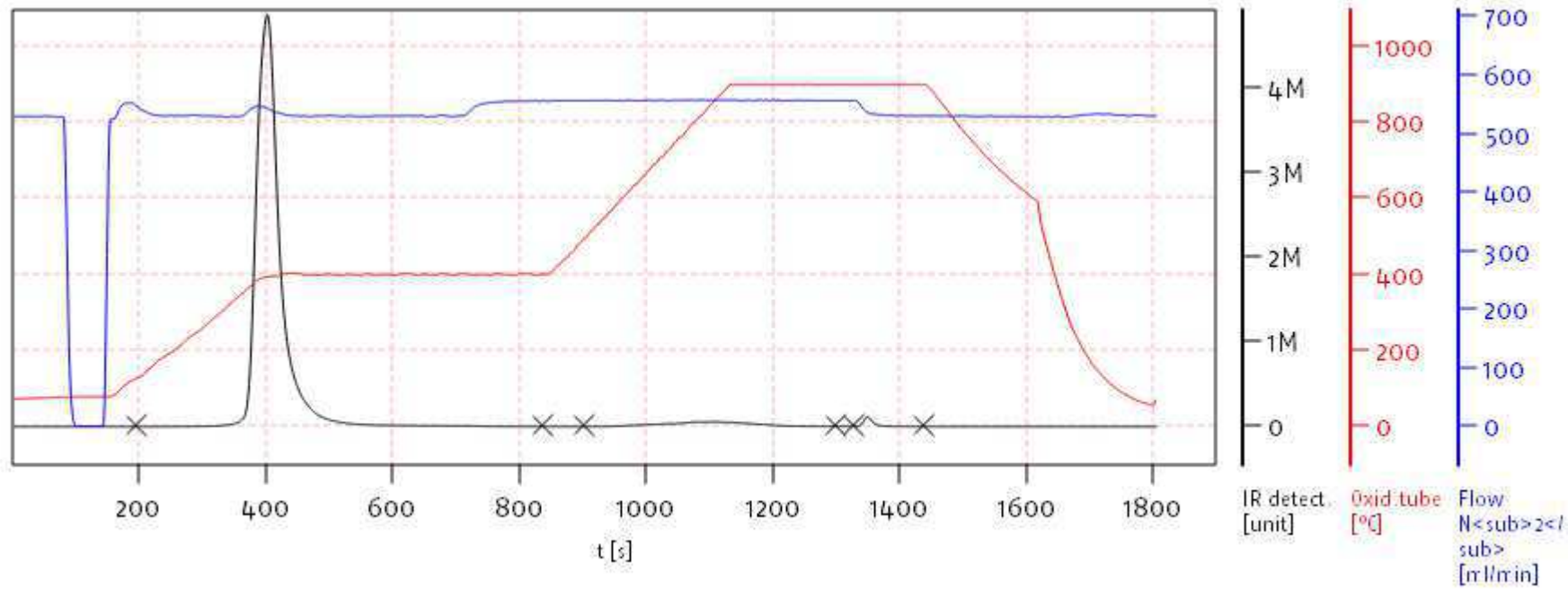
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
165	76	BKL0300-DUP1	509.40		CARBON	12/15/2022 8:17 PM	bl	2.307	7 861 961	2.407	0.015	77 169	354 987	2.292	0.100	0.9625	1.0000



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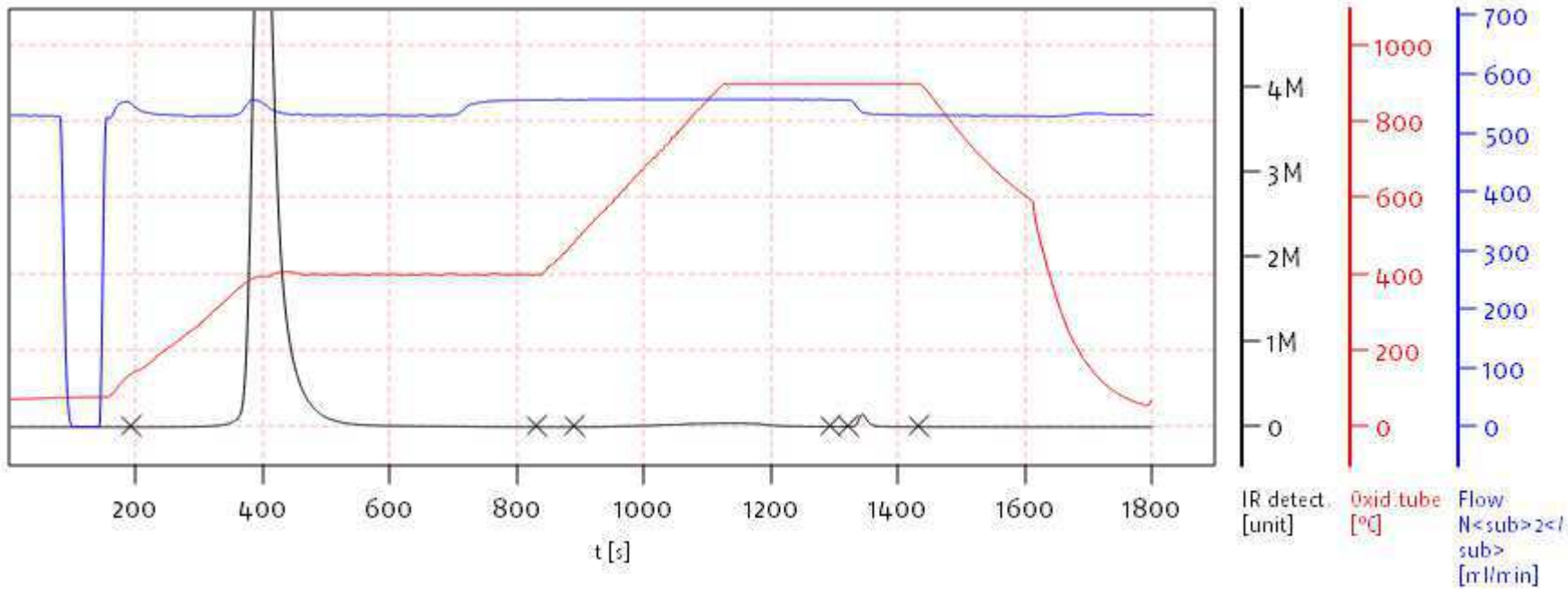
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
166	77	BKL0300-MS1	522.20	0.0109	CARBON	12/15/2022 8:47 PM	bl,C1o	3.378	11 787 301	3.466	0.022	101 321	324 774	3.356	0.088	0.9625	1.0000



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Serial No: 0300.181017
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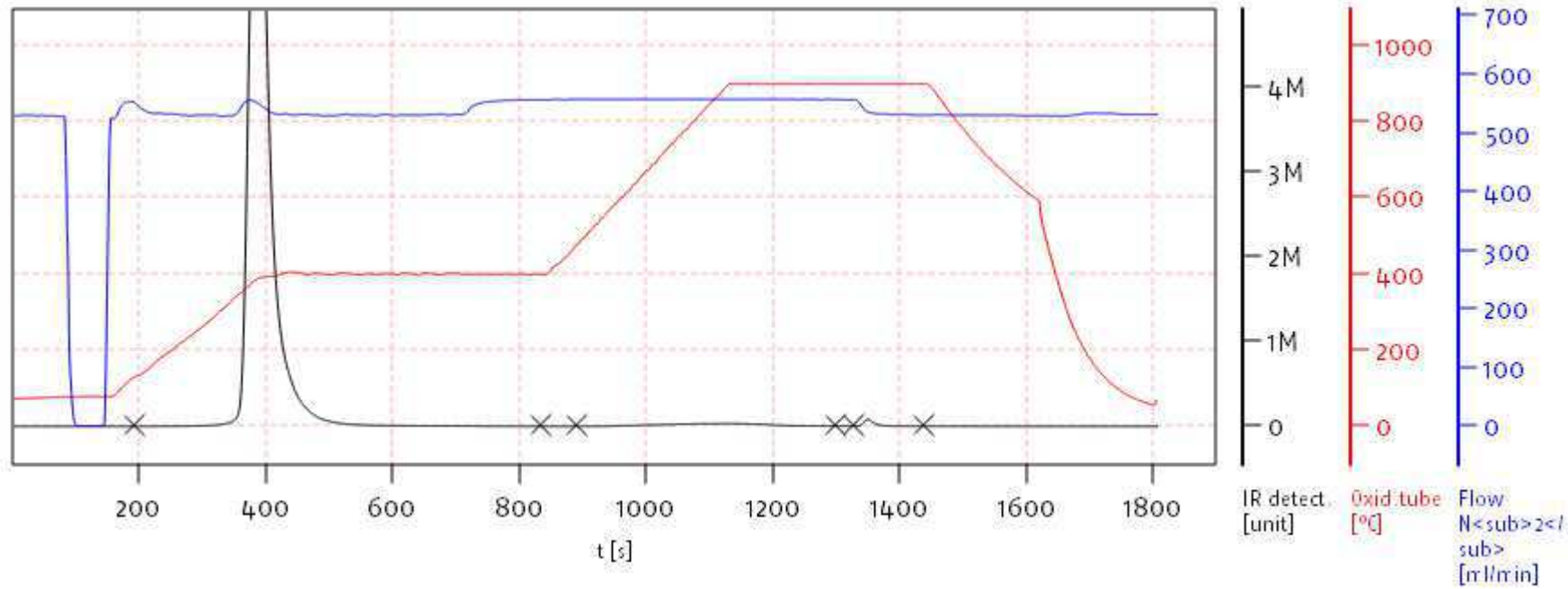
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
167	78	22L0137-17	515.20		CARBON	12/15/2022 9:17 PM	bl,C1o	3.090	10 671 798	3.156	0.011	64 465	247 075	3.079	0.066	0.9625	1.0000



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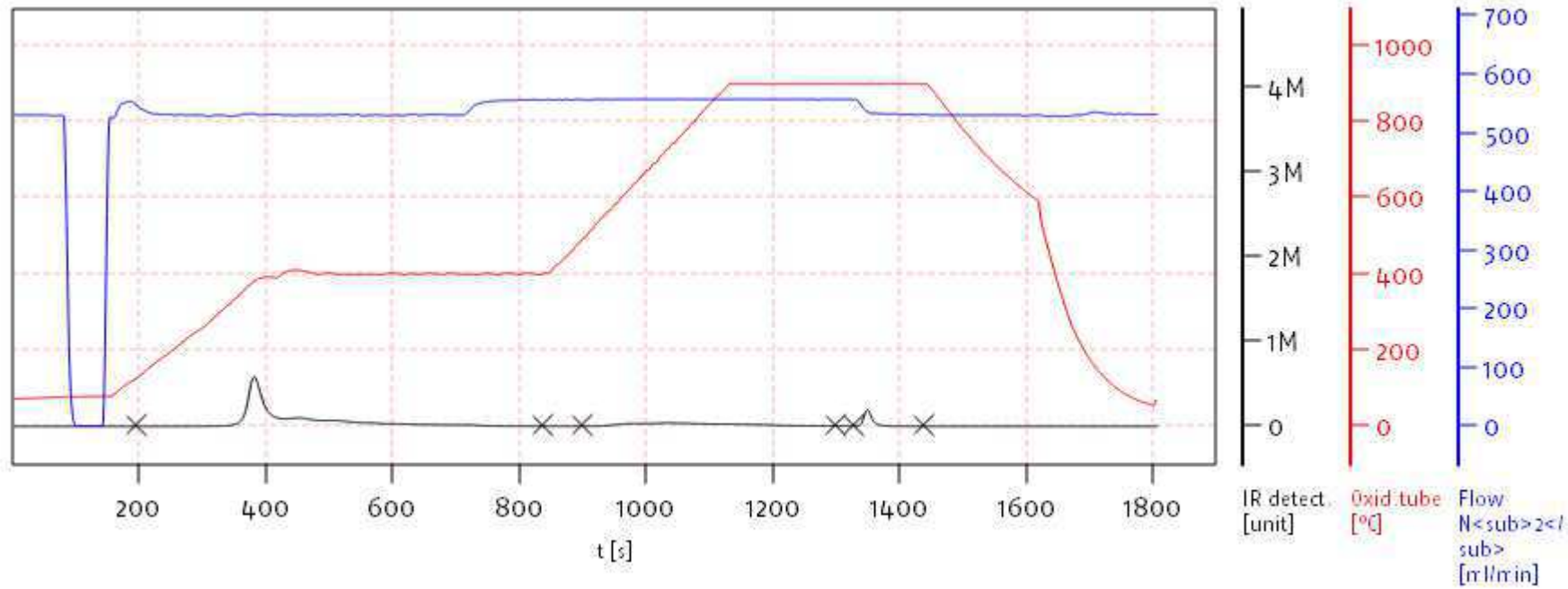
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
168	79	22L0137-18	208.70		CARBON	12/15/2022 9:48 PM	bl	0.914	1 214 250	1.126	0.066	115 623	312 391	0.848	0.212	0.9625	1.0000



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Balance: BAL3
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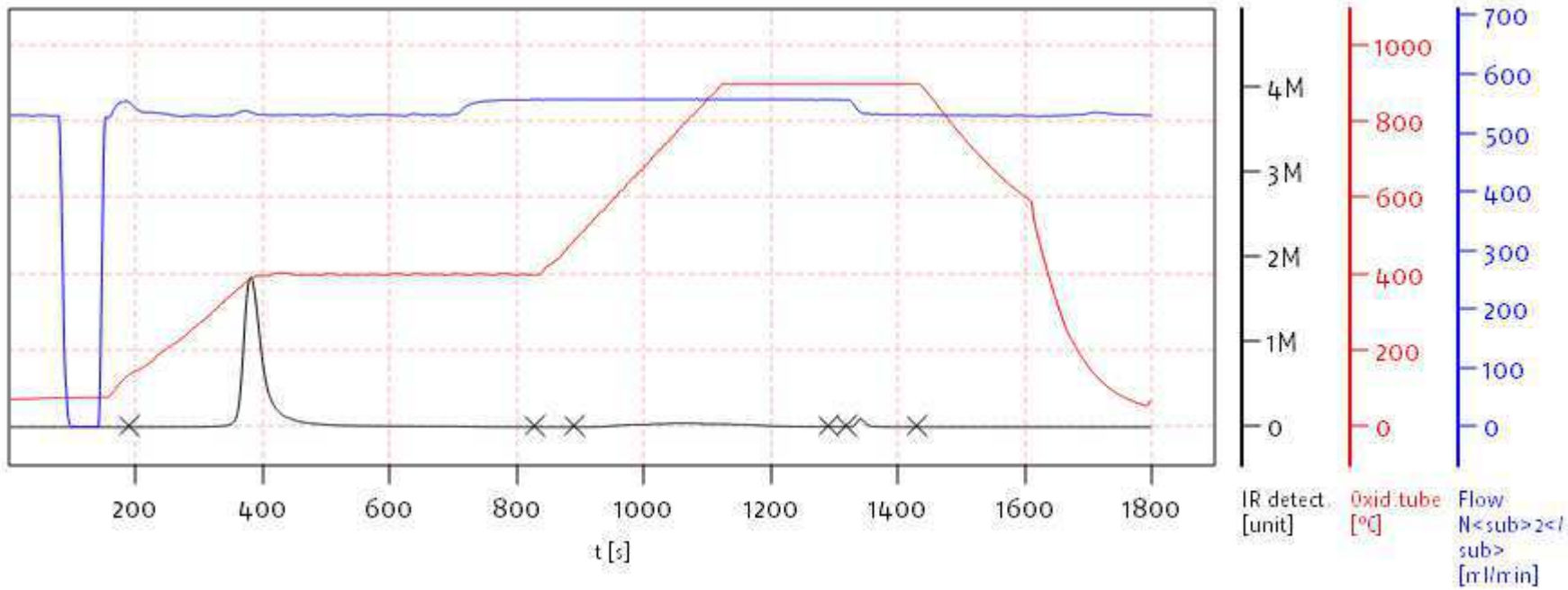
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
169	80	22L0137-19	283.30		CARBON	12/15/2022 10:18 PM	bl	1.312	2 485 768	1.478	0.018	59 696	331 943	1.293	0.167	0.9625	1.0000



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Balance: BAL3
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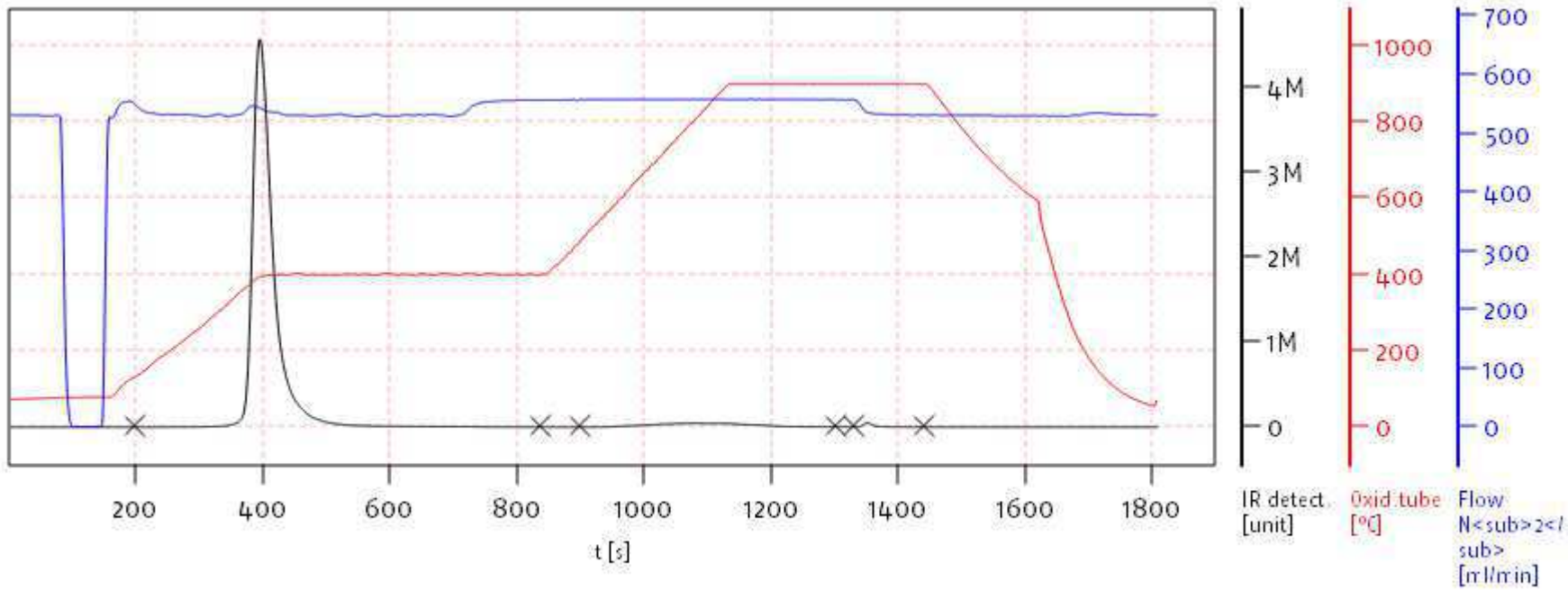
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
170	81	22L0137-20	554.90		CARBON	12/15/2022 10:49 PM	bl	1.728	6 447 079	1.809	0.004	39 272	317 627	1.724	0.081	0.9625	1.0000



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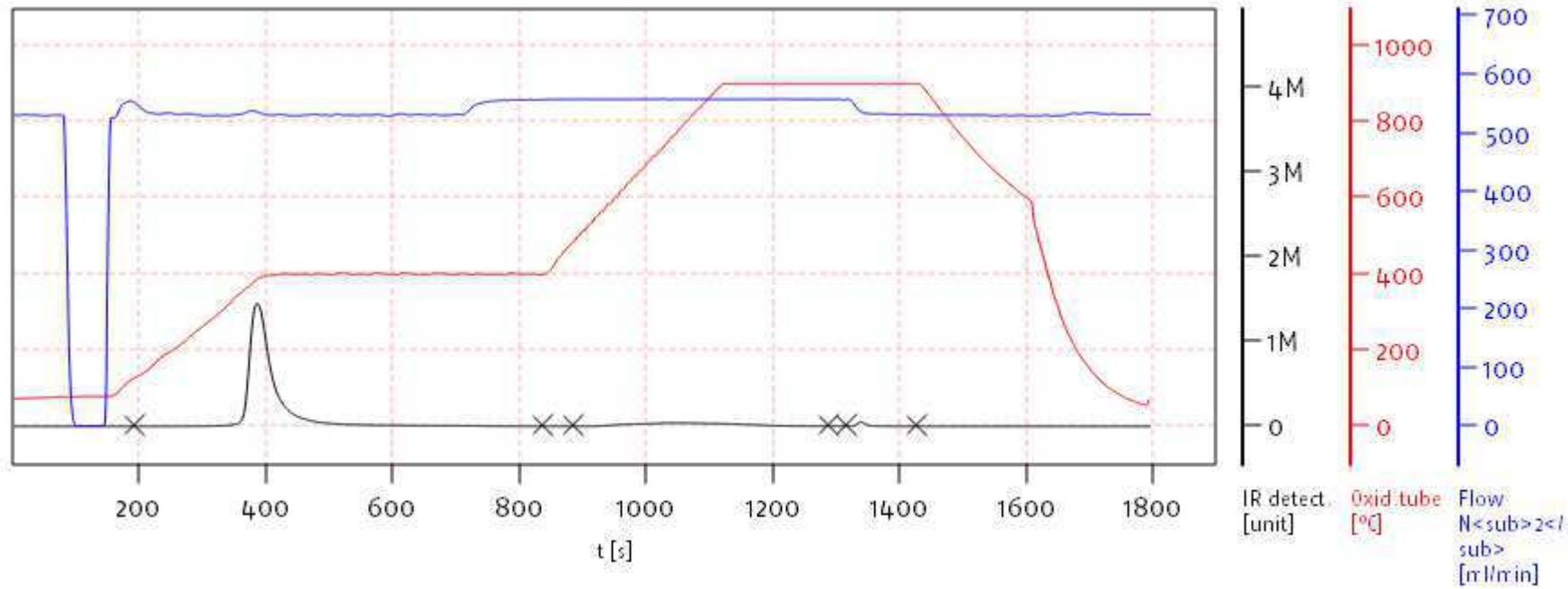
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
171	82	22L0137-21	277.80		CARBON	12/15/2022 11:19 PM	bl	1.258	2 363 462	1.408	0.004	34 068	296 456	1.253	0.150	0.9625	1.0000



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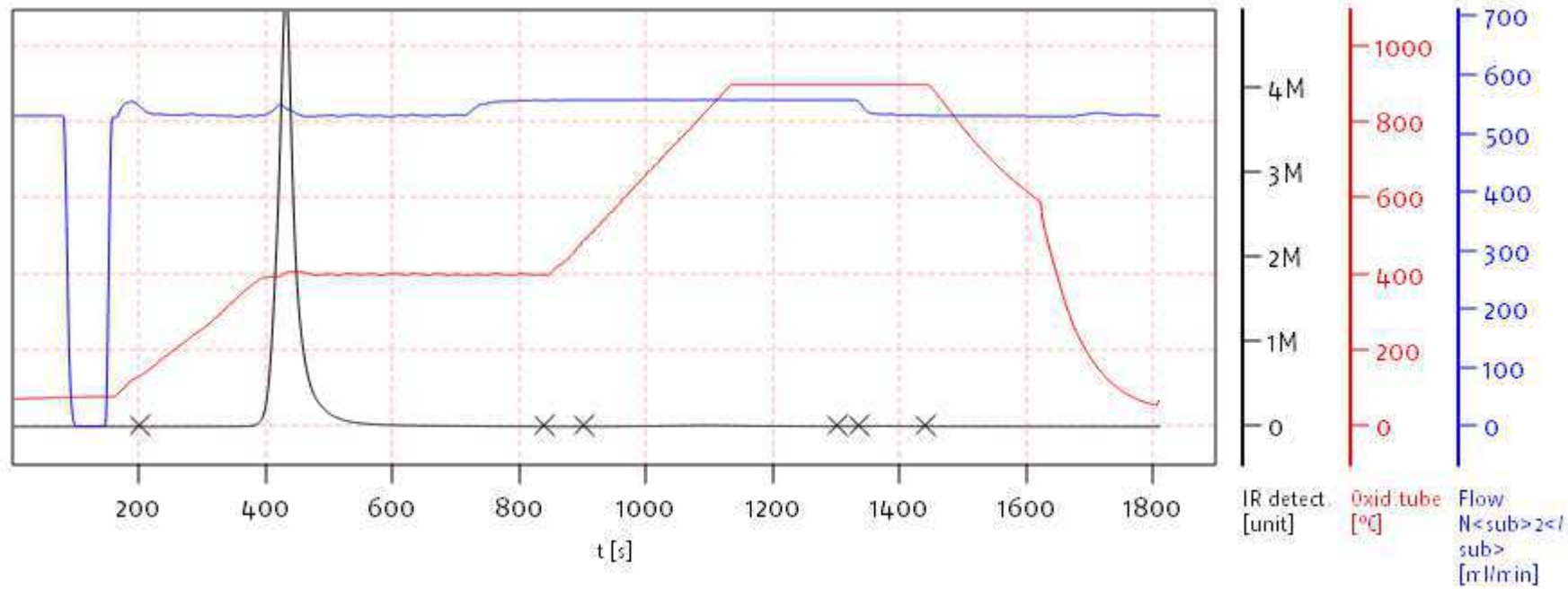
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
172	83	SKL0152-CCVE	20.90		CARBON	12/15/2022 11:50 PM	bl	45.397	6 394 242	45.936	0.000	15 938	99 423	45.397	0.540	0.9625	1.0000



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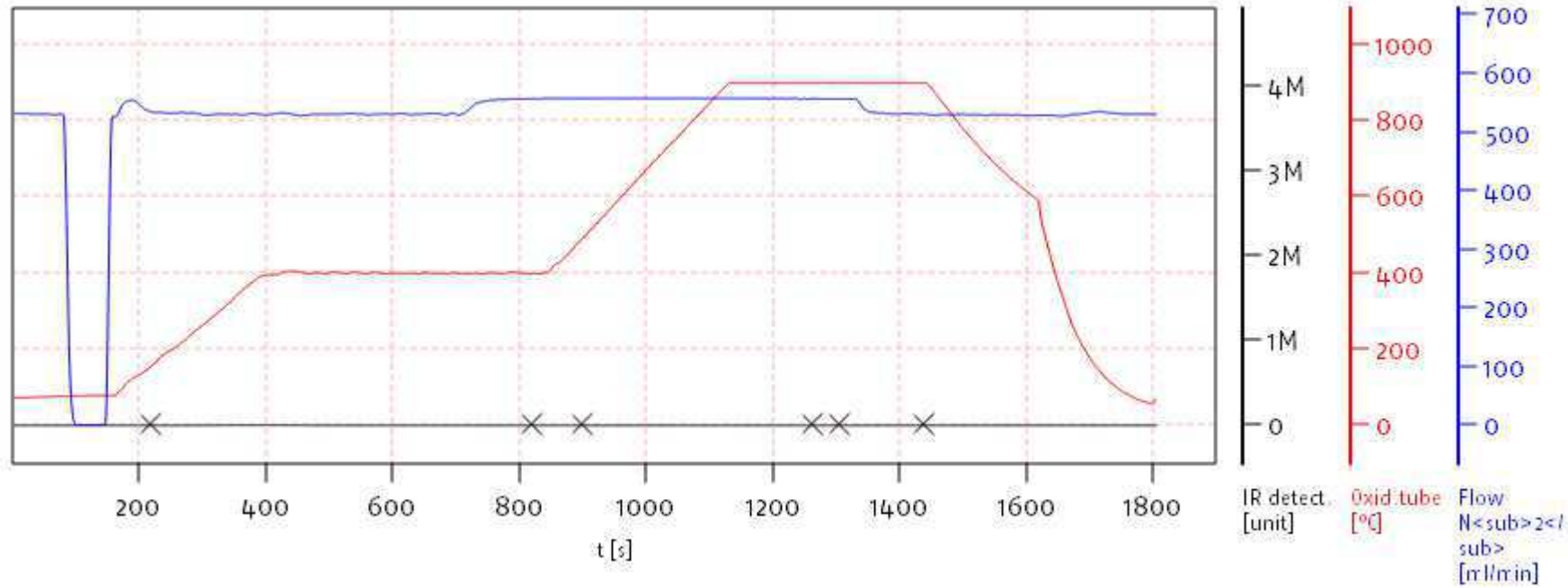
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
173	84	SKL0152-CCBE	516.20		CARBON	12/16/2022 12:20 AM	bl,C3u,C2u	0.000	14 918	0.000	0.000	386	588	0.000	0.000	0.9625	1.0000



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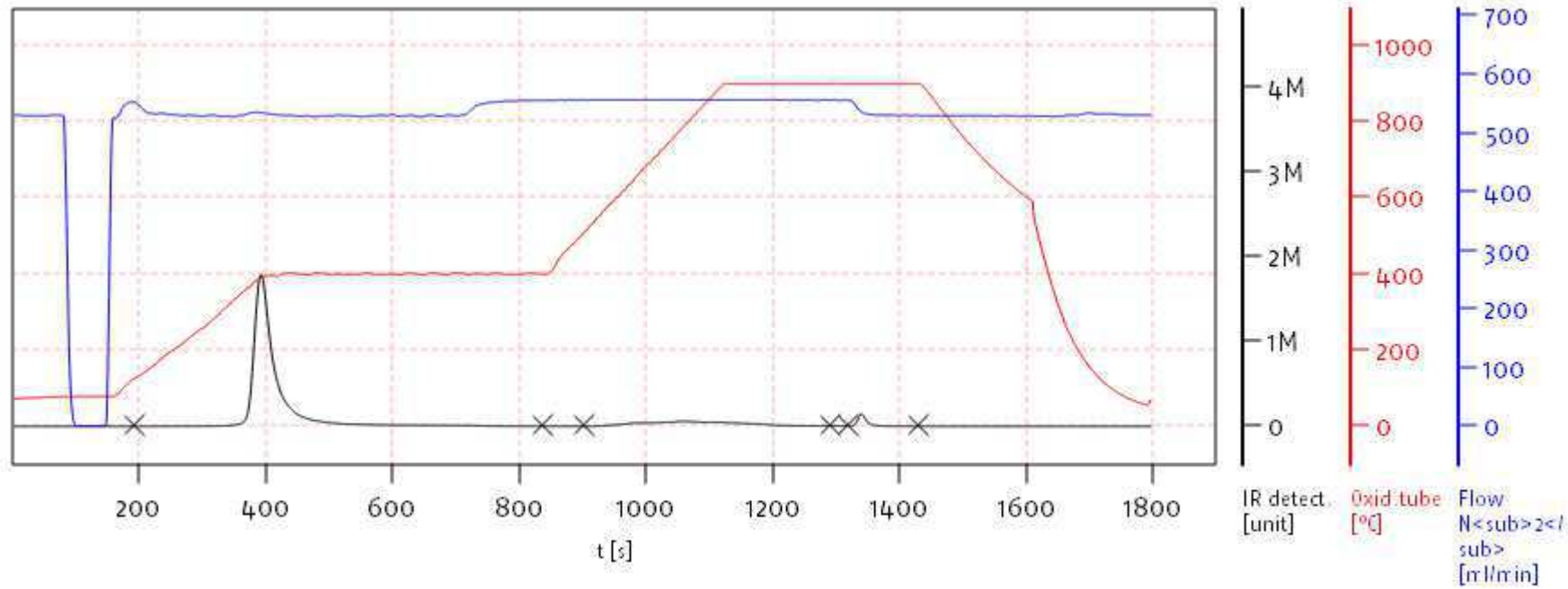
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
174	85	22L0137-22	303.20		CARBON	12/16/2022 12:51 AM	bl	1.301	2 605 260	1.504	0.034	92 479	423 668	1.267	0.203	0.9625	1.0000



Name:

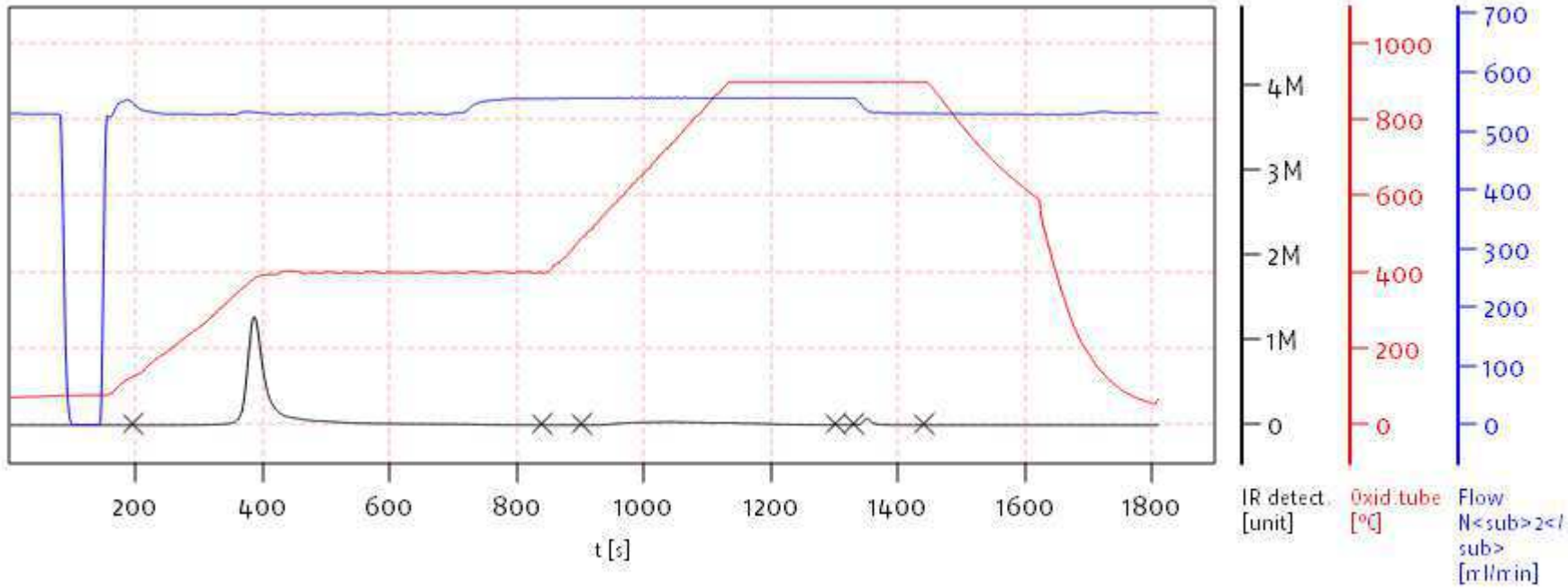
Access: soliTOC superuser

Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
175	86	22L0137-23	200.70		CARBON	12/16/2022 1:21 AM	bl	1.353	1 826 710	1.552	0.017	48 104	284 629	1.336	0.199	0.9625	1.0000



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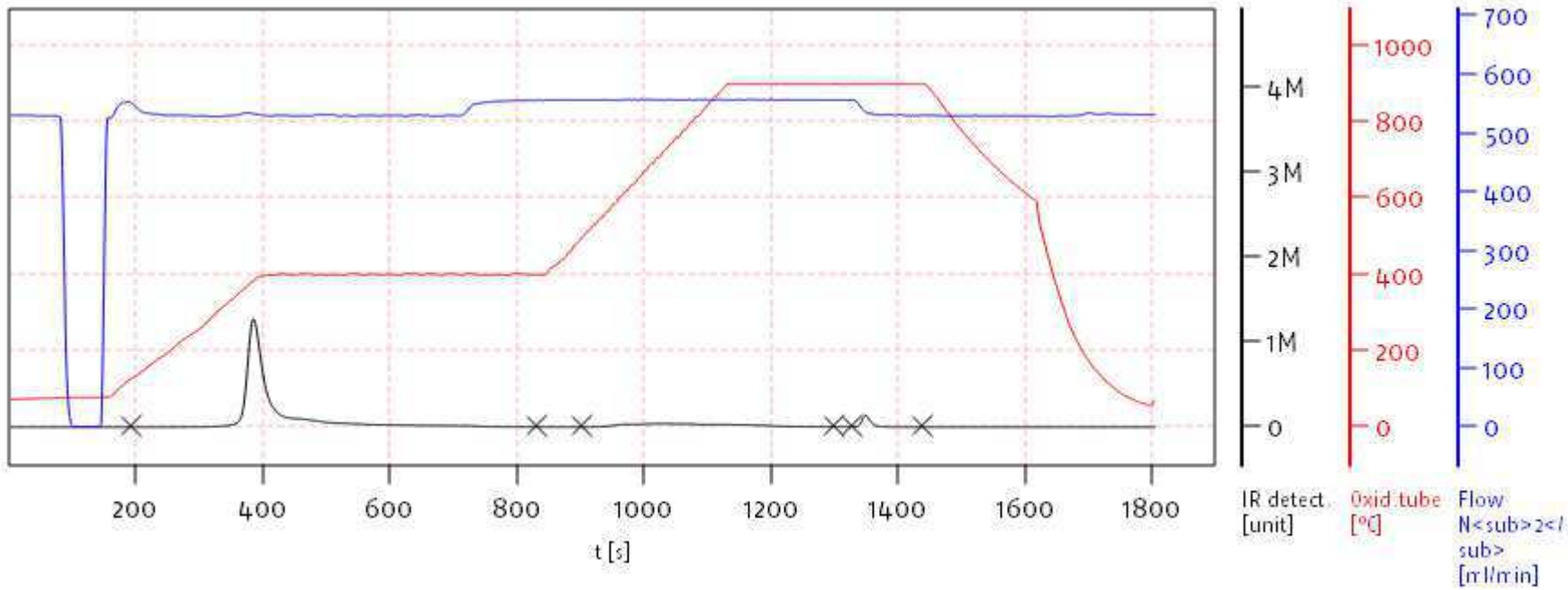
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
176	87	22L0137-24	211.60		CARBON	12/16/2022 1:52 AM	bl	1.375	1 919 243	1.593	0.042	84 207	323 944	1.333	0.218	0.9625	1.0000



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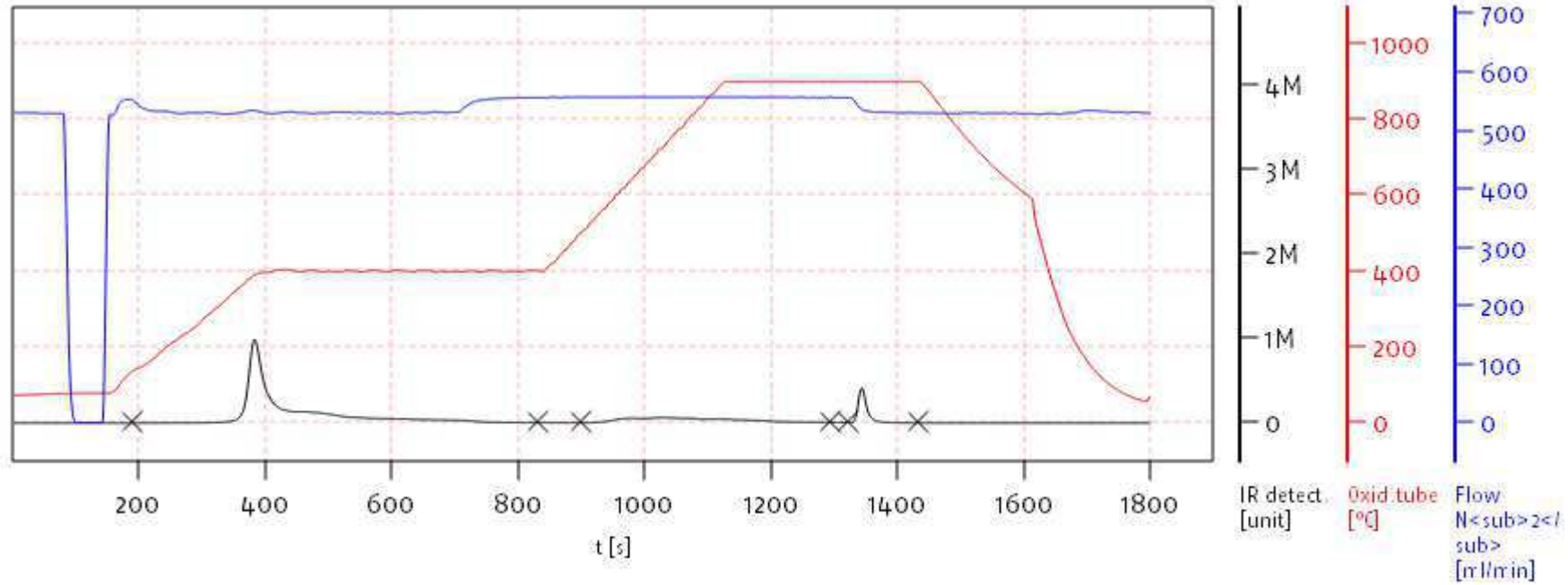
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
177	88	22L0137-25	280.40		CARBON	12/16/2022 2:22 AM	bl	1.159	1 973 195	1.422	0.124	251 312	504 561	1.034	0.264	0.9625	1.0000



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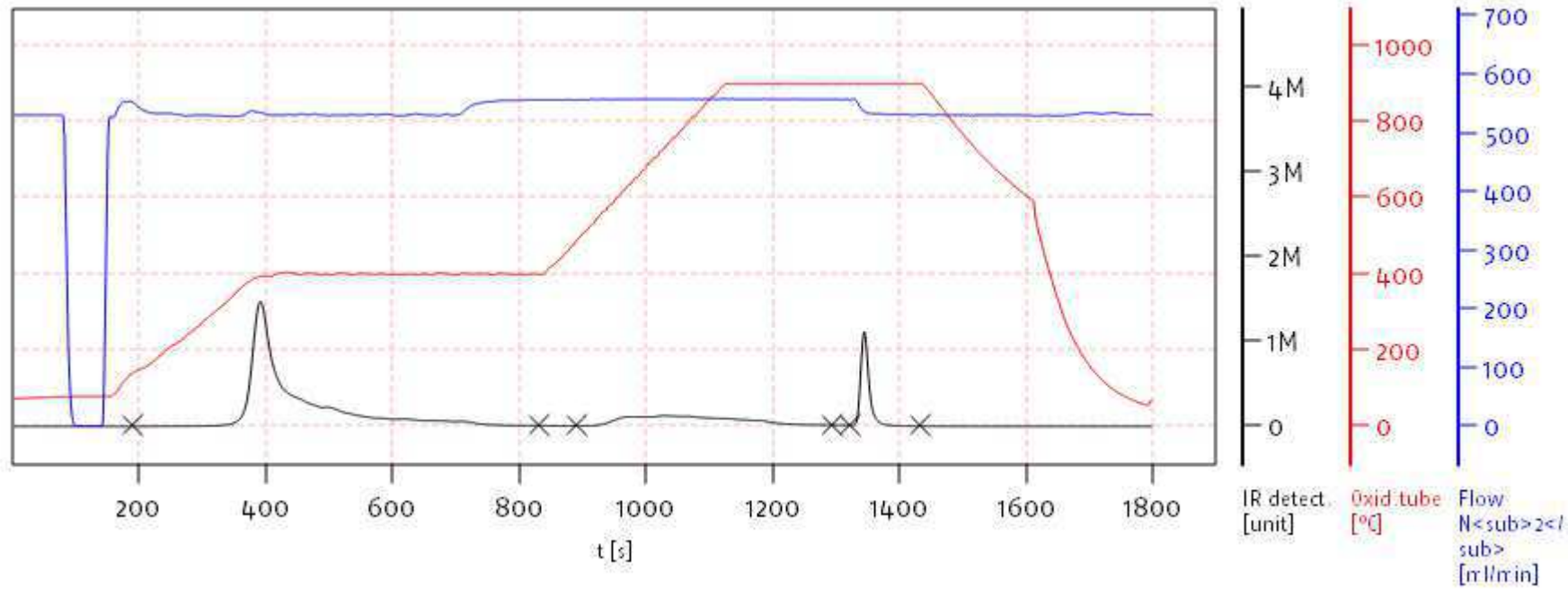
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
178	89	22L0137-26	534.80		CARBON	12/16/2022 2:53 AM	bl	1.223	3 765 198	1.522	0.182	653 691	1 057 664	1.042	0.298	0.9625	1.0000



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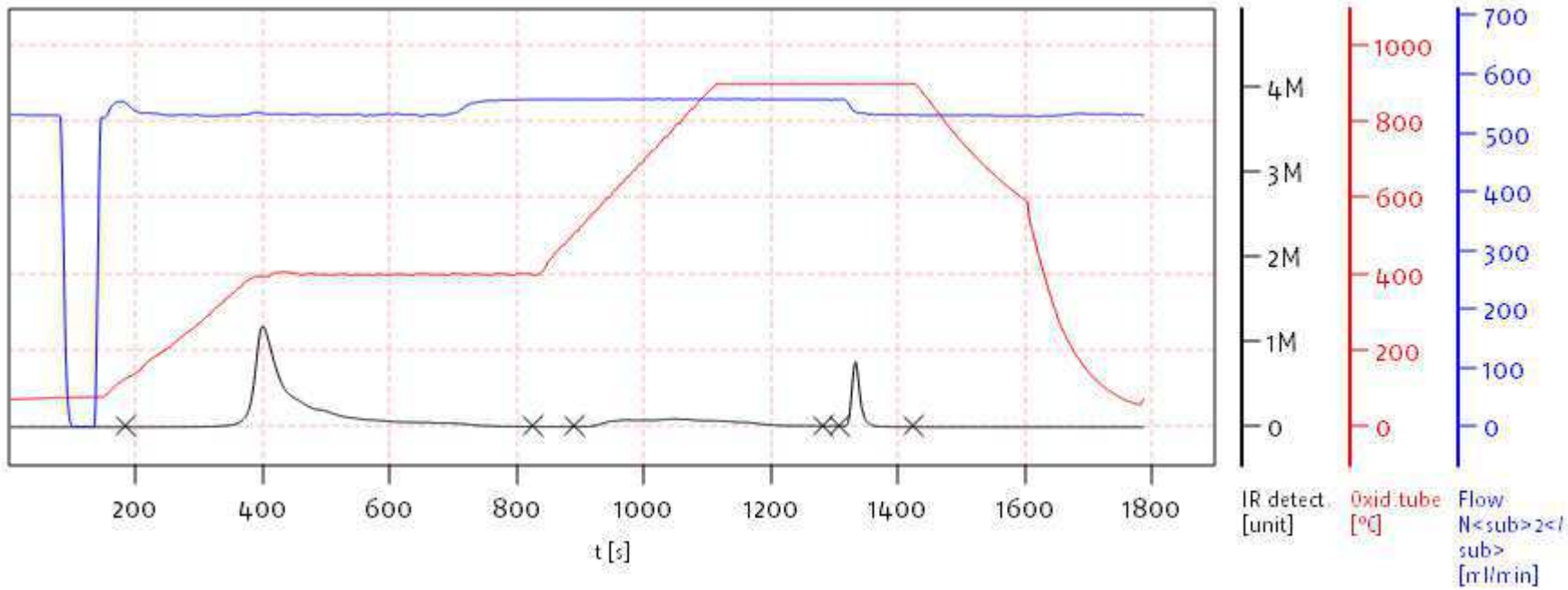
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
179	1	22L0137-27	505.00		CARBON	12/16/2022 3:23 AM	bl	1.039	3 112 351	1.273	0.129	446 139	790 411	0.910	0.234	0.9625	1.0000



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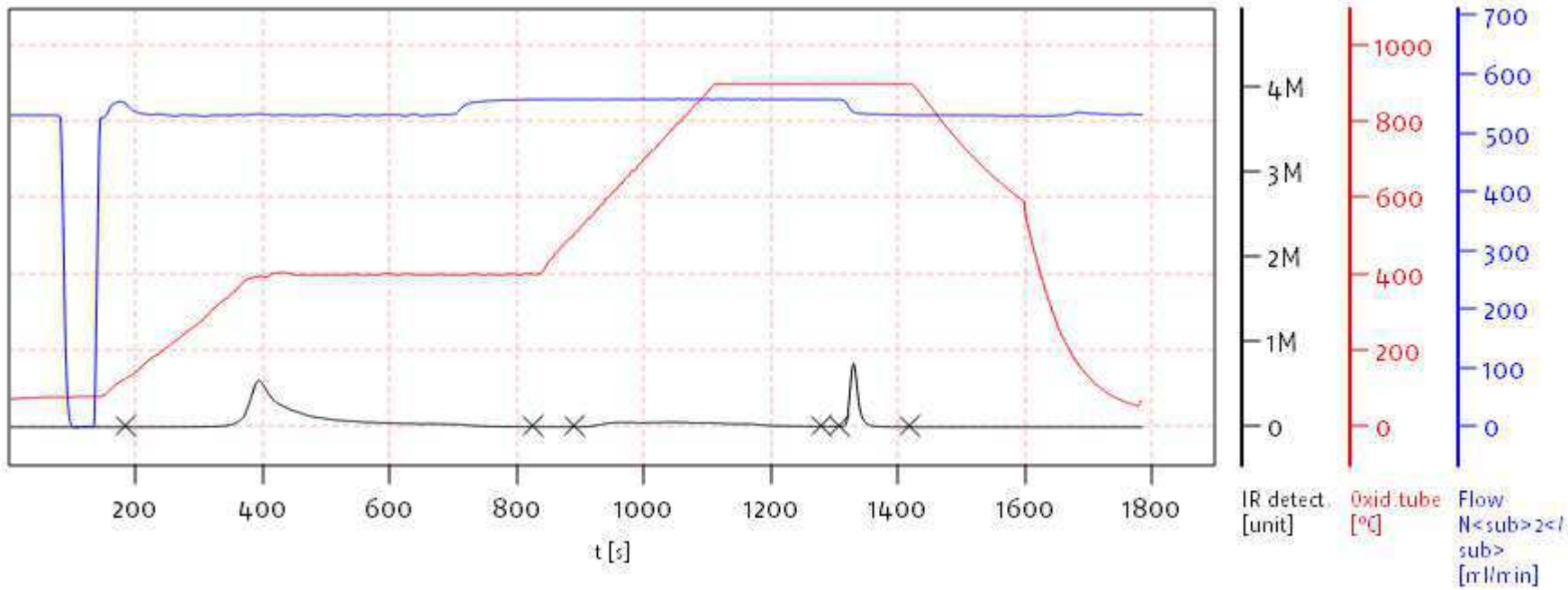
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
180	2	22L0137-28	339.40		CARBON	12/16/2022 3:53 AM	bl	0.948	1 771 749	1.167	0.182	425 528	506 462	0.766	0.219	0.9625	1.0000



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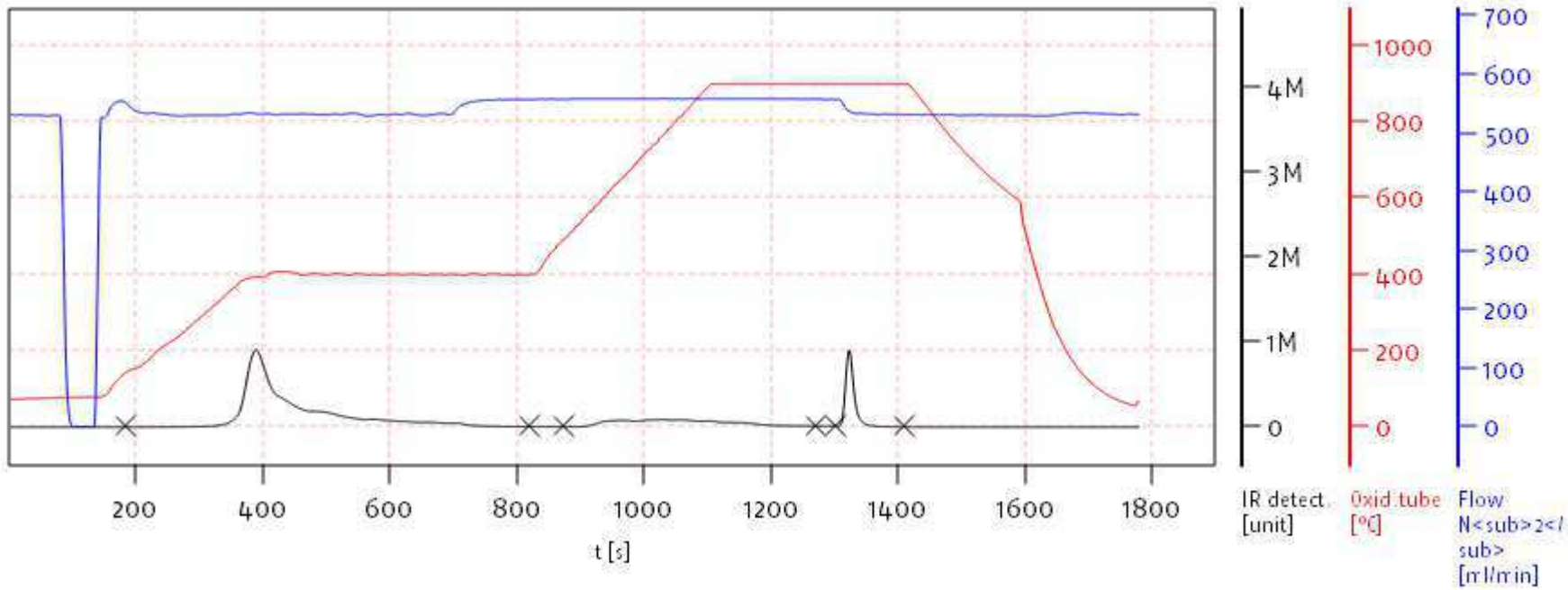
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
181	3	22L0137-29	520.50		CARBON	12/16/2022 4:23 AM	bl	0.961	2 850 211	1.175	0.153	540 629	745 489	0.808	0.214	0.9625	1.0000



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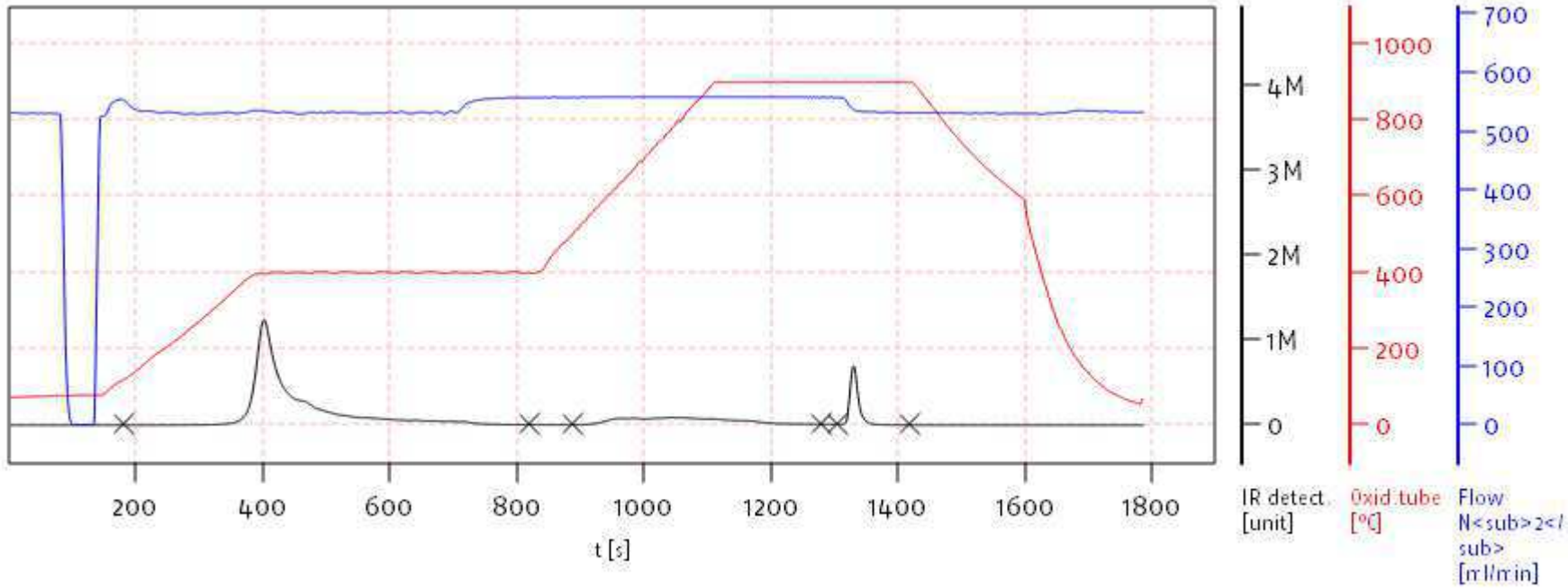
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
182	4	22L0137-30	503.30		CARBON	12/16/2022 4:53 AM	bl	0.998	3 003 671	1.218	0.116	404 991	743 547	0.881	0.221	0.9625	1.0000



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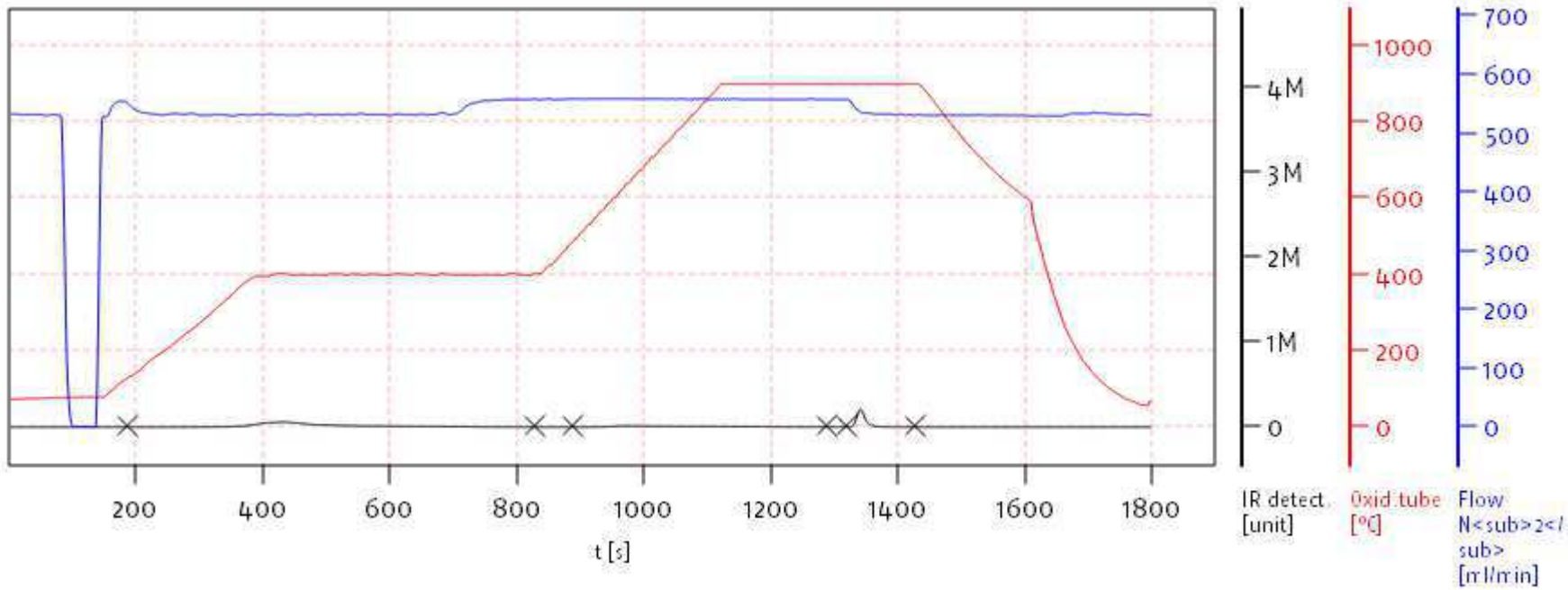
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
183	5	22L0137-31	528.50		CARBON	12/16/2022 5:24 AM	bl	0.110	315 802	0.130	0.029	124 714	95 175	0.082	0.020	0.9625	1.0000



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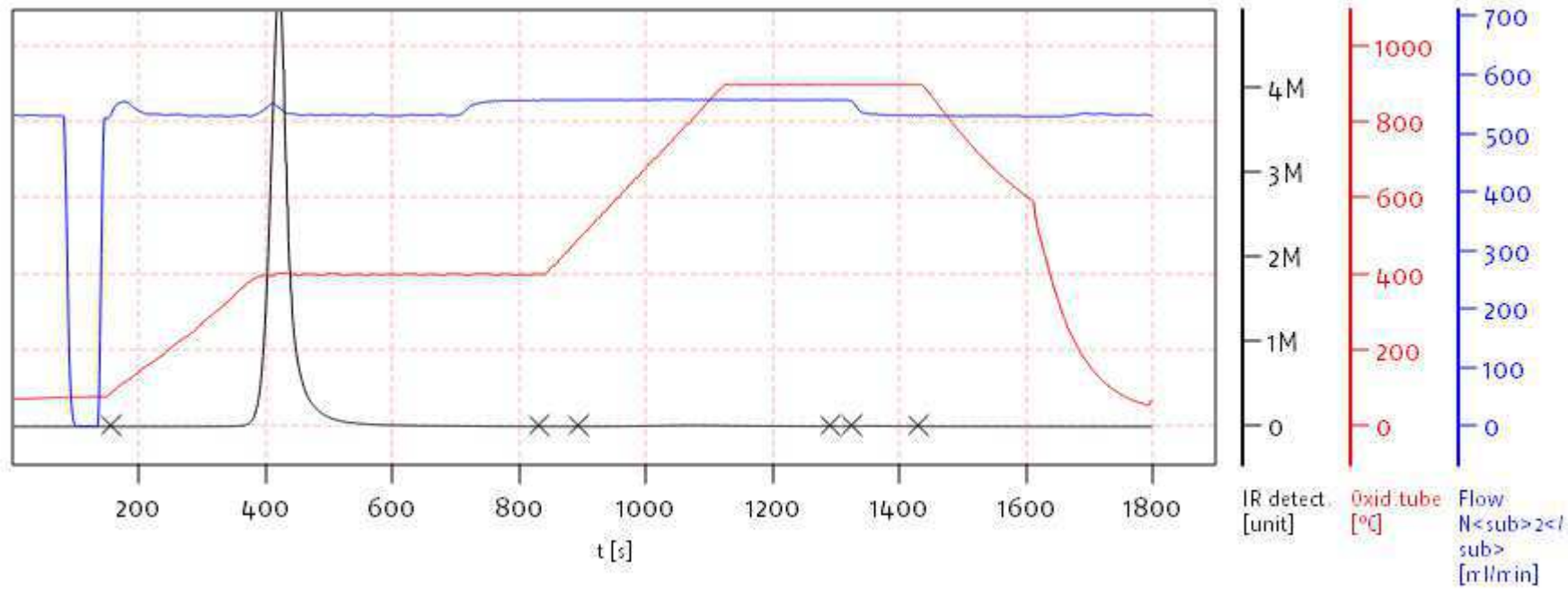
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
184	6	SKL0152-CCVF	22.40		CARBON	12/16/2022 5:54 AM	bl	45.626	6 885 811	46.185	0.000	19 561	107 284	45.626	0.558	0.9625	1.0000



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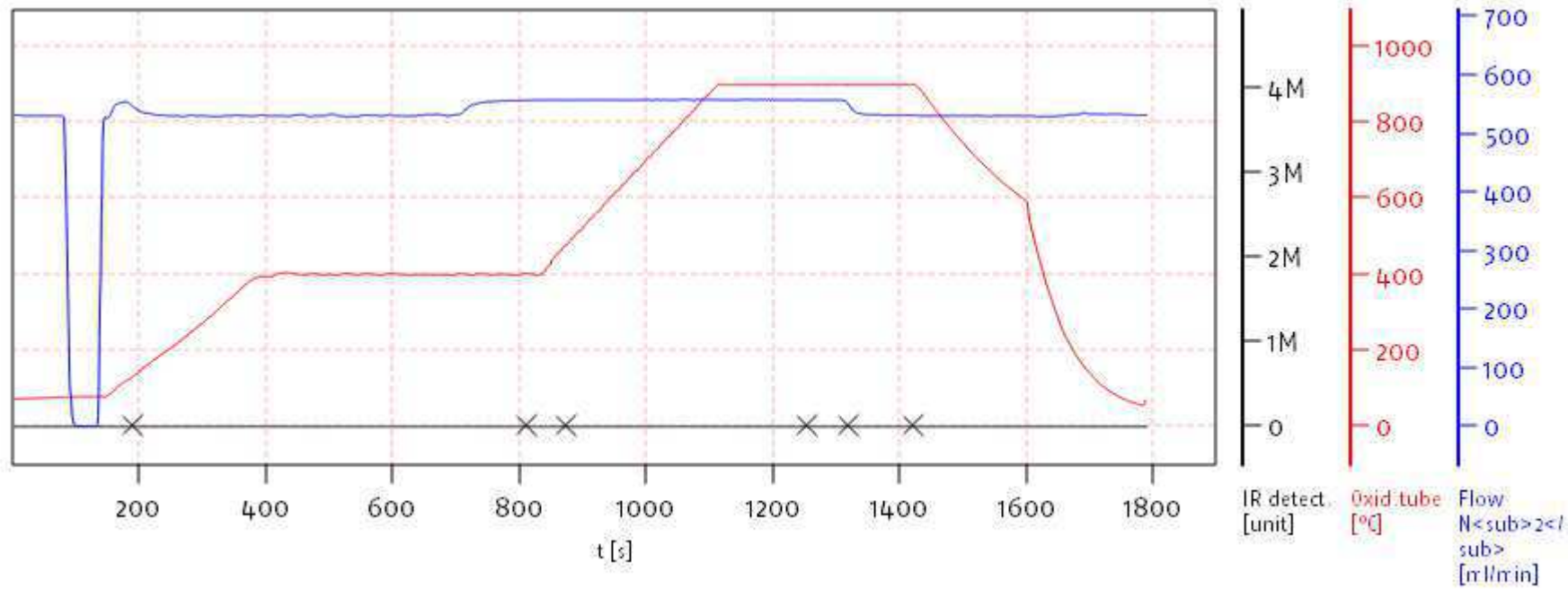
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
185	7	SKL0152-CCBF	503.20		CARBON	12/16/2022 6:24 AM	bl,C2u	0.000	5 900	0.000	0.000	253	4 478	0.000	0.000	0.9625	1.0000



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Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
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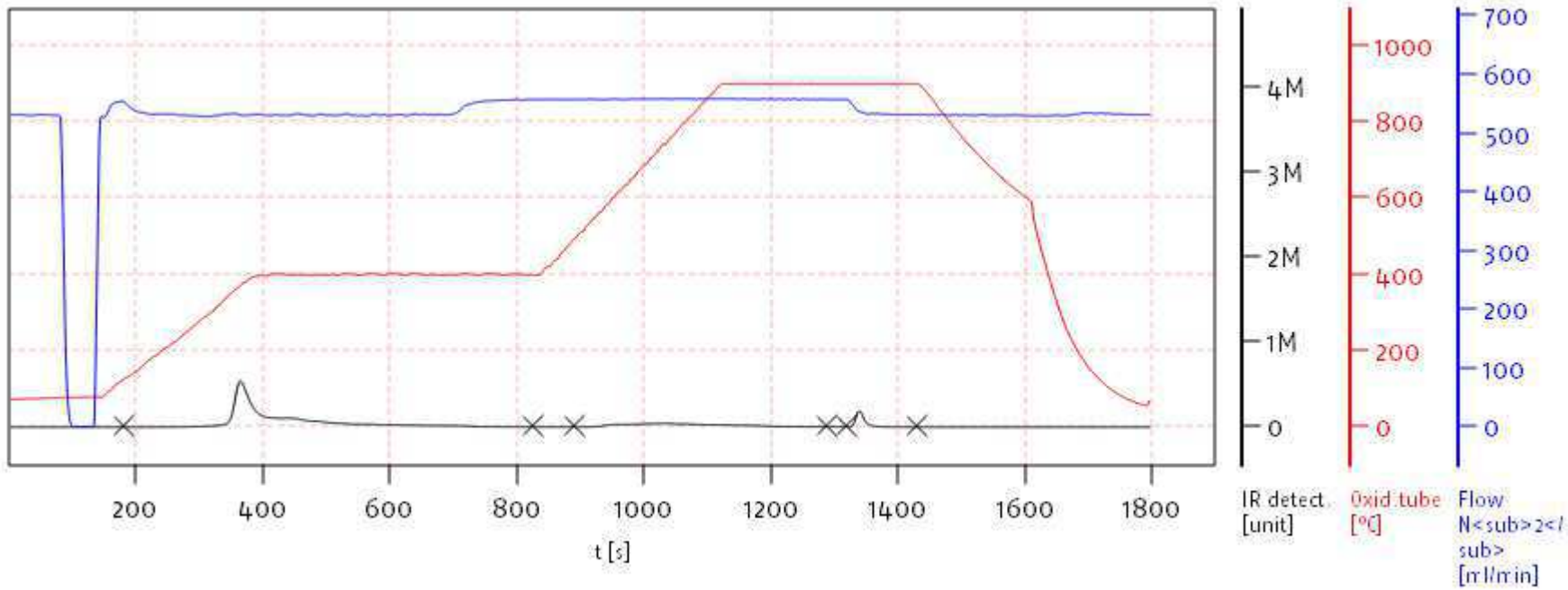
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
186	8	22L0137-32	206.60		CARBON	12/16/2022 6:55 AM	bl	0.932	1 225 458	1.148	0.067	115 751	315 353	0.865	0.216	0.9625	1.0000



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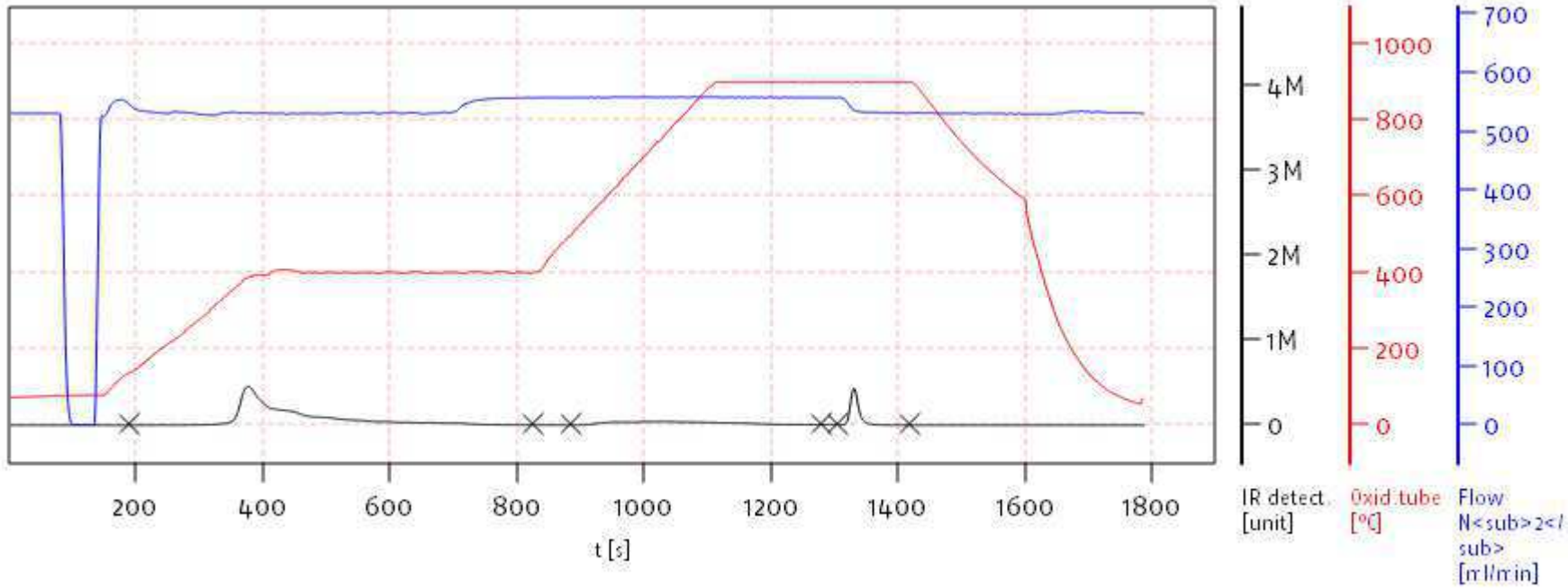
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
187	9	22L0137-33	320.00		CARBON	12/16/2022 7:25 AM	bl	0.801	1 514 691	0.959	0.108	250 588	351 735	0.693	0.157	0.9625	1.0000



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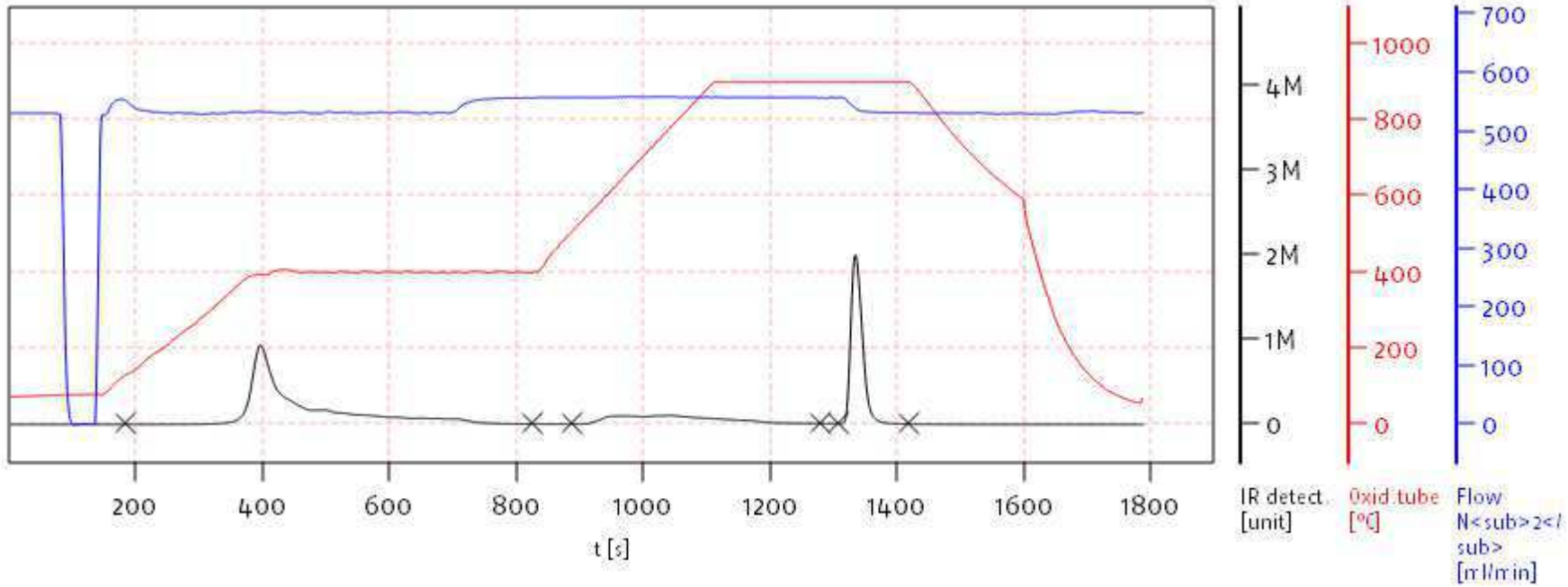
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
188	10	22L0137-34	531.70		CARBON	12/16/2022 7:55 AM	bl	1.222	2 752 650	1.460	0.458	1 598 294	845 850	0.764	0.239	0.9625	1.0000



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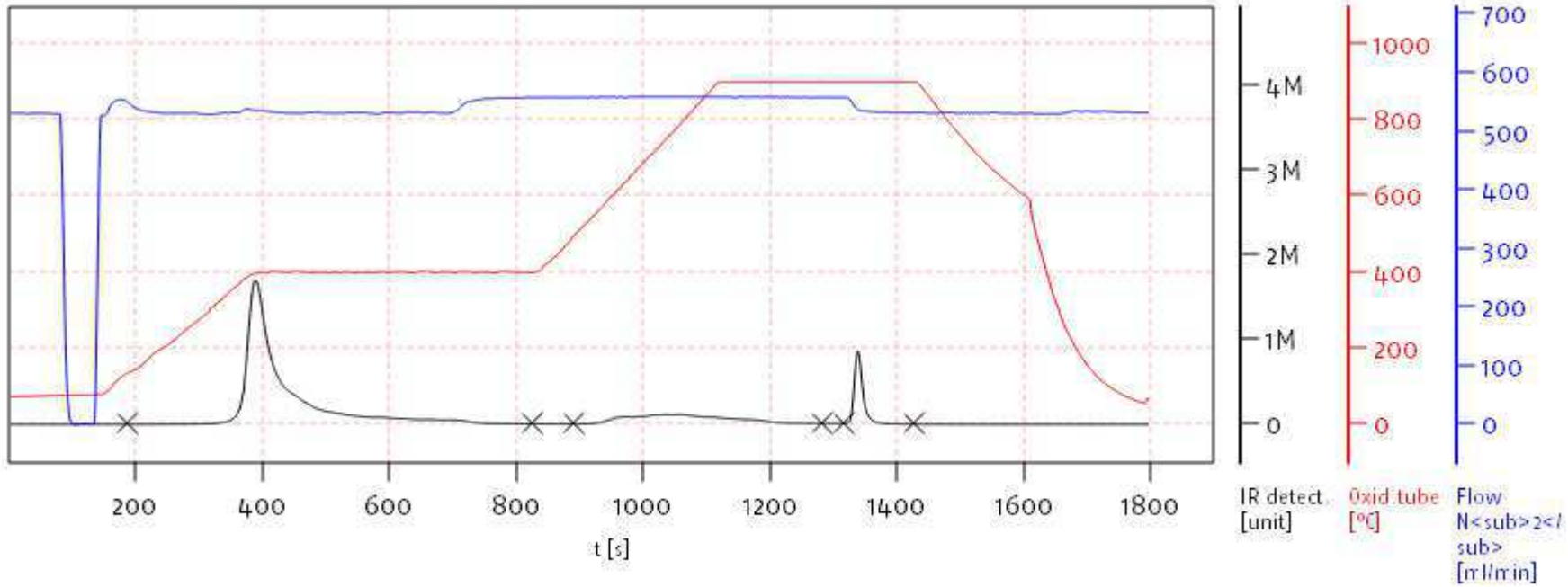
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
189	11	22L0137-35	513.30		CARBON	12/16/2022 8:25 AM	bl	1.296	3 977 800	1.560	0.149	522 035	899 161	1.147	0.263	0.9625	1.0000



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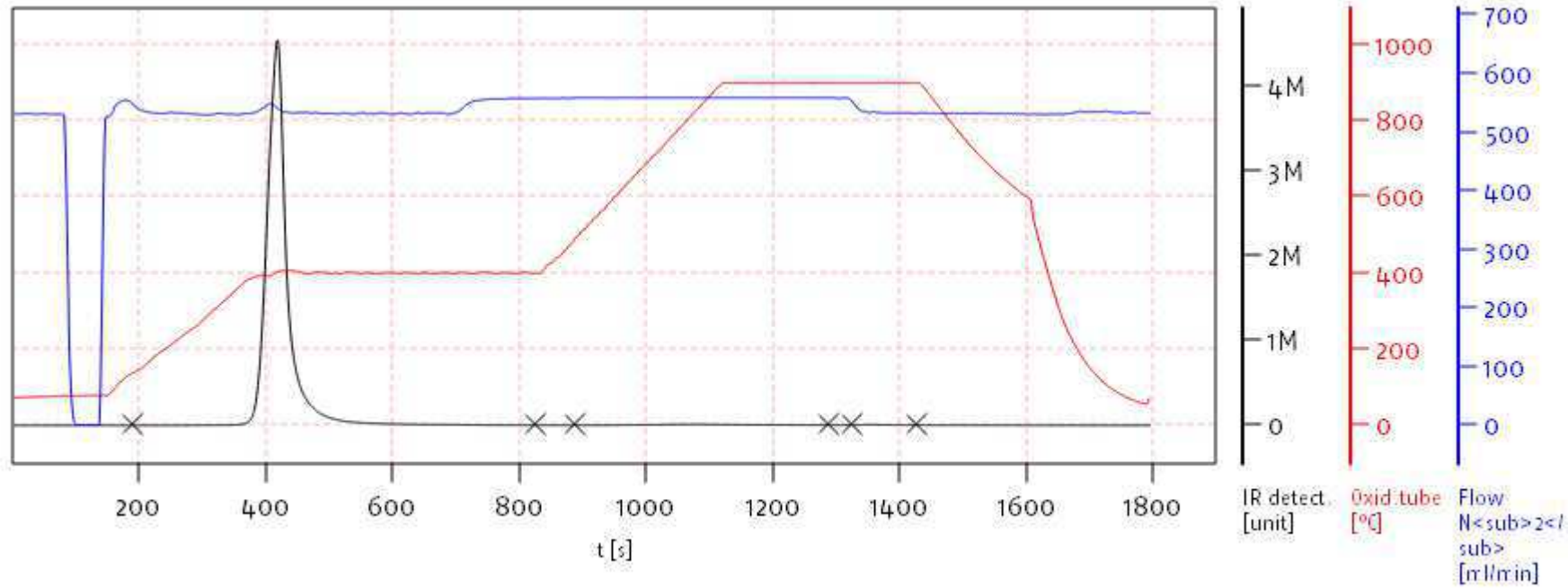
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
190	12	SKL0152-CCVG	20.60		CARBON	12/16/2022 8:56 AM	bl	45.057	6 255 935	45.581	0.000	21 492	96 202	45.057	0.524	0.9625	1.0000



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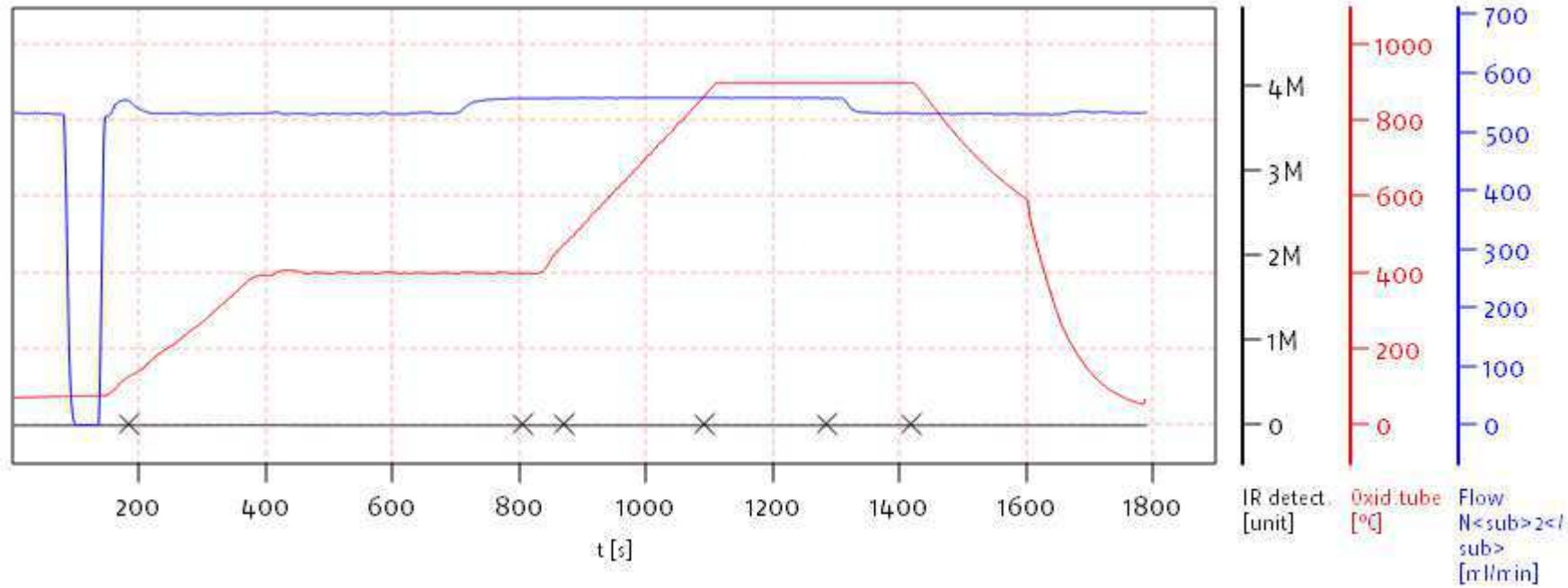
Date: Fri Dec 16 09:43:23 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 121222 DOE from: 12/16/2022 9:42 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
191	13	SKL0152-CCBG	509.80		CARBON	12/16/2022 9:26 AM	bl,C3u,C2u	0.000	11 115	0.000	0.000	368	158	0.000	0.000	0.9625	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

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Document: 121222 DOE from: 12/16/2022 9:42 AM

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0217
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0217-ICV1	CubeData_12272022@1508-037	NA	12/16/22 13:12
Initial Cal Blank	SKL0217-ICB1	CubeData_12272022@1508-049	NA	12/16/22 13:43
MRL Check	BKL0385-MRL1	CubeData_12272022@1508-060	Solid	12/16/22 14:13
Blank	BKL0385-BLK1	CubeData_12272022@1508-069	Solid	12/16/22 14:43
LCS	BKL0385-BS1	CubeData_12272022@1508-077	Solid	12/16/22 15:14
Reference	BKL0385-SRM1	CubeData_12272022@1508-088	Solid	12/16/22 15:44
LDW22-SC776D	22L0137-36	CubeData_12272022@1508-099	Solid	12/16/22 16:14
LDW22-SC776D	BKL0385-DUP1	CubeData_12272022@1508-113	Solid	12/16/22 16:45
LDW22-SC776E	22L0137-37	CubeData_12272022@1508-135	Solid	12/16/22 17:46
LDW22-SC776E-FD	22L0137-38	CubeData_12272022@1508-143	Solid	12/16/22 18:16
LDW22-SC776F	22L0137-39	CubeData_12272022@1508-151	Solid	12/16/22 18:47
Calibration Check	SKL0217-CCV1	CubeData_12272022@1508-163	NA	12/16/22 19:17
Calibration Blank	SKL0217-CCB1	CubeData_12272022@1508-173	NA	12/16/22 19:47
LDW22-SC776G	22L0137-40	CubeData_12272022@1508-182	Solid	12/16/22 20:18
LDW22-SC776H	22L0137-41	CubeData_12272022@1508-194	Solid	12/16/22 20:48
LDW22-SC776I	22L0137-42	CubeData_12272022@1508-205	Solid	12/16/22 21:19
LDW22-SC776J	22L0137-43	CubeData_12272022@1508-214	Solid	12/16/22 21:49
LDW22-SC776K	22L0137-44	CubeData_12272022@1508-225	Solid	12/16/22 22:20
LDW22-SC776L	22L0137-45	CubeData_12272022@1508-237	Solid	12/16/22 22:50
LDW22-SC776M	22L0137-46	CubeData_12272022@1508-247	Solid	12/16/22 23:21
LDW22-SC770A	22L0137-47	CubeData_12272022@1508-260	Solid	12/16/22 23:51
LDW22-SC770B	22L0137-48	CubeData_12272022@1508-269	Solid	12/17/22 00:22
LDW22-SC770C	22L0137-49	CubeData_12272022@1508-281	Solid	12/17/22 00:52
Calibration Check	SKL0217-CCV2	CubeData_12272022@1508-294	NA	12/17/22 01:23
Calibration Blank	SKL0217-CCB2	CubeData_12272022@1508-304	NA	12/17/22 01:53
LDW22-SC770D	22L0137-50	CubeData_12272022@1508-313	Solid	12/17/22 02:24
LDW22-SC770E	22L0137-51	CubeData_12272022@1508-325	Solid	12/17/22 02:55
LDW22-SC770F	22L0137-52	CubeData_12272022@1508-332	Solid	12/17/22 03:25
LDW22-SC770G	22L0137-53	CubeData_12272022@1508-337	Solid	12/17/22 03:56

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0217
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-SC770H	22L0137-54	CubeData_12272022@1508-344	Solid	12/17/22 04:27
LDW22-SC770I	22L0137-55	CubeData_12272022@1508-350	Solid	12/17/22 04:57
MRL Check	BKL0386-MRL1	CubeData_12272022@1508-357	Solid	12/17/22 05:27
Blank	BKL0386-BLK1	CubeData_12272022@1508-364	Solid	12/17/22 05:58
LCS	BKL0386-BS1	CubeData_12272022@1508-369	Solid	12/17/22 06:29
Reference	BKL0386-SRM1	CubeData_12272022@1508-374	Solid	12/17/22 06:59
Calibration Check	SKL0217-CCV3	CubeData_12272022@1508-380	NA	12/17/22 07:30
Calibration Blank	SKL0217-CCB3	CubeData_12272022@1508-388	NA	12/17/22 08:01
LDW22-SC770J	22L0137-56	CubeData_12272022@1508-395	Solid	12/17/22 08:31
LDW22-SC770J	BKL0386-DUP1	CubeData_12272022@1508-400	Solid	12/17/22 09:02
LDW22-SC770J	BKL0386-MS1	CubeData_12272022@1508-406	Solid	12/17/22 09:32
LDW22-SC770K	22L0137-57	CubeData_12272022@1508-412	Solid	12/17/22 10:03
LDW22-SC770L	22L0137-58	CubeData_12272022@1508-419	Solid	12/17/22 10:34
LDW22-SC769A	22L0137-59	CubeData_12272022@1508-427	Solid	12/17/22 11:04
LDW22-SC769B	22L0137-60	CubeData_12272022@1508-434	Solid	12/17/22 11:35
Calibration Check	SKL0217-CCV4	CubeData_12272022@1508-452	NA	12/17/22 13:38
Calibration Blank	SKL0217-CCB4	CubeData_12272022@1508-461	NA	12/17/22 14:08
LDW22-SC769C	22L0137-61	CubeData_12272022@1508-468	Solid	12/17/22 14:39
LDW22-SC769D	22L0137-62	CubeData_12272022@1508-474	Solid	12/17/22 15:09
LDW22-SC769E	22L0137-63	CubeData_12272022@1508-476	Solid	12/17/22 15:40
LDW22-SC769F	22L0137-64	CubeData_12272022@1508-483	Solid	12/17/22 16:10
LDW22-SC769G	22L0137-65	CubeData_12272022@1508-489	Solid	12/17/22 16:41
LDW22-SC769H	22L0137-66	CubeData_12272022@1508-493	Solid	12/17/22 17:11
LDW22-SC769I	22L0137-67	CubeData_12272022@1508-500	Solid	12/17/22 17:42
LDW22-SC769J	22L0137-68	CubeData_12272022@1508-506	Solid	12/17/22 18:12
LDW22-SC769K	22L0137-69	CubeData_12272022@1508-514	Solid	12/17/22 18:43
Calibration Check	SKL0217-CCV5	CubeData_12272022@1508-525	NA	12/17/22 19:44
Calibration Blank	SKL0217-CCB5	CubeData_12272022@1508-530	NA	12/17/22 20:14
Calibration Check	SKL0217-CCV6	CubeData_12272022@1508-607	NA	12/18/22 01:51

ANALYSIS BATCH (SEQUENCE) SUMMARY

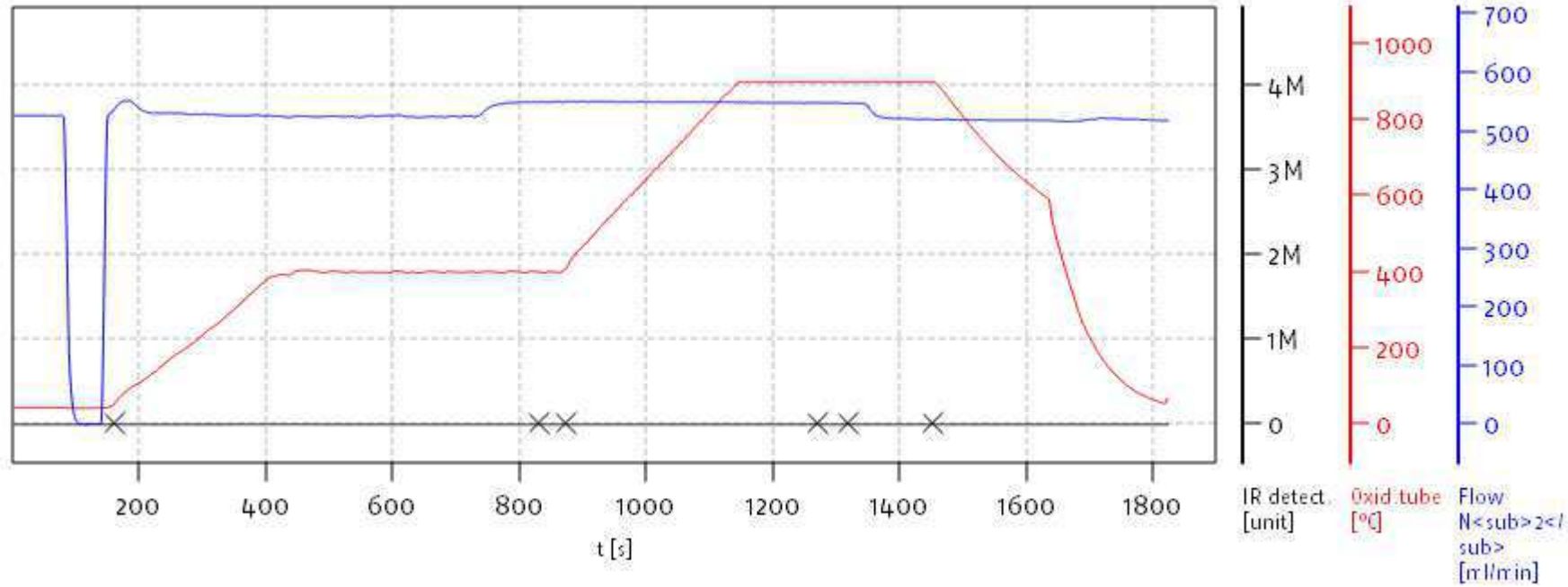
EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0217
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Blank	SKL0217-CCB6	CubeData_12272022@1508-615	NA	12/18/22 02:21
Calibration Check	SKL0217-CCV7	CubeData_12272022@1508-683	NA	12/18/22 07:58
Calibration Blank	SKL0217-CCB7	CubeData_12272022@1508-688	NA	12/18/22 08:28
Calibration Check	SKL0217-CCV8	CubeData_12272022@1508-112	NA	12/18/22 14:03
Calibration Blank	SKL0217-CCB8	CubeData_12272022@1508-123	NA	12/18/22 14:34
Calibration Check	SKL0217-CCV9	CubeData_12272022@1508-238	NA	12/18/22 20:09
Calibration Blank	SKL0217-CCB9	CubeData_12272022@1508-248	NA	12/18/22 20:40
Calibration Check	SKL0217-CCVA	CubeData_12272022@1508-351	NA	12/19/22 02:16
Calibration Blank	SKL0217-CCBA	CubeData_12272022@1508-358	NA	12/19/22 02:47
Calibration Check	SKL0217-CCVB	CubeData_12272022@1508-428	NA	12/19/22 08:23
Calibration Blank	SKL0217-CCBB	CubeData_12272022@1508-433	NA	12/19/22 08:54
Calibration Check	SKL0217-CCVC	CubeData_12272022@1508-494	NA	12/19/22 14:29
Calibration Blank	SKL0217-CCBC	CubeData_12272022@1508-499	NA	12/19/22 15:00
Calibration Check	SKL0217-CCVD	CubeData_12272022@1508-574	NA	12/19/22 20:35
Calibration Blank	SKL0217-CCBD	CubeData_12272022@1508-581	NA	12/19/22 21:05
Calibration Check	SKL0217-CCVE	CubeData_12272022@1508-649	NA	12/20/22 02:42
Calibration Blank	SKL0217-CCBE	CubeData_12272022@1508-654	NA	12/20/22 03:12
Calibration Check	SKL0217-CCVF	CubeData_12272022@1508-058	NA	12/20/22 08:47
Calibration Blank	SKL0217-CCBF	CubeData_12272022@1508-070	NA	12/20/22 09:17
Calibration Check	SKL0217-CCVG	CubeData_12272022@1508-184	NA	12/20/22 14:52
Calibration Blank	SKL0217-CCBG	CubeData_12272022@1508-193	NA	12/20/22 15:23
Calibration Check	SKL0217-CCVH	CubeData_12272022@1508-312	NA	12/20/22 20:59
Calibration Blank	SKL0217-CCBH	CubeData_12272022@1508-326	NA	12/20/22 21:29

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/16/2022 11:41 AM	bl	0.000	8 545	0.000	0.000	1 185	2 404	0.000	0.000	1.0000	1.0000



Name:

Access: soliTOC superuser

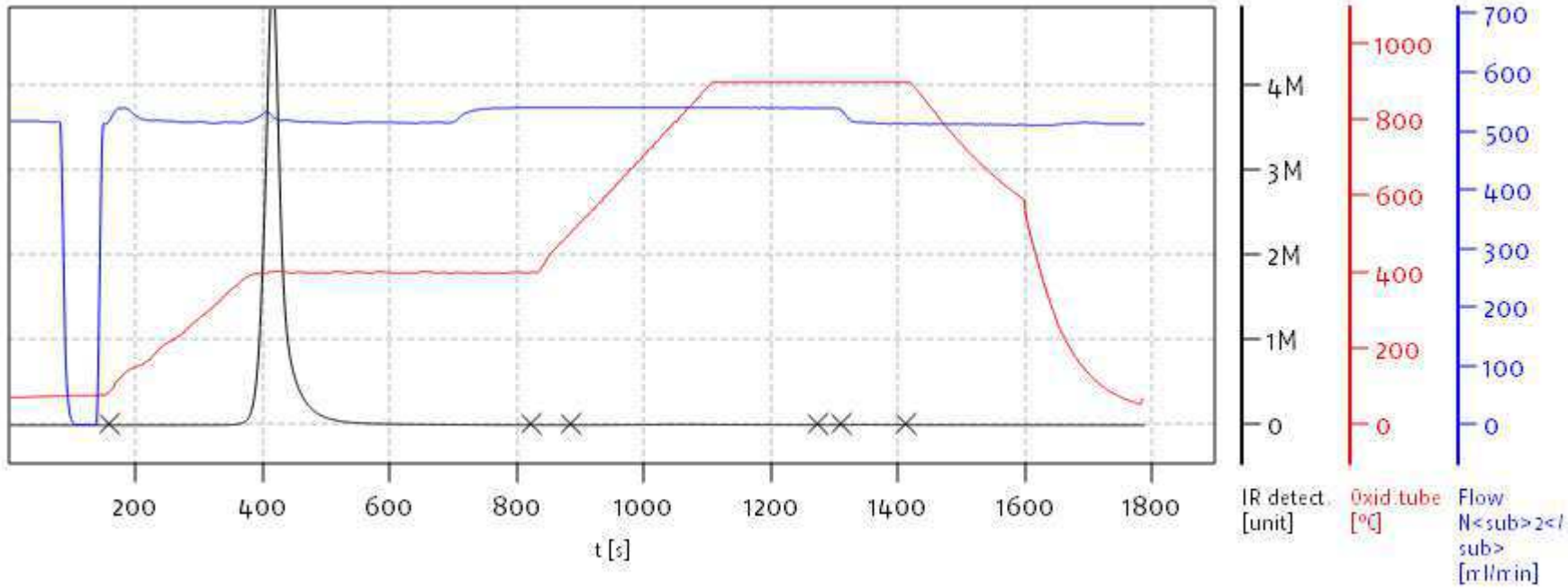
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	20.30		CARBON	12/16/2022 12:11 PM	bl	44.446	6 333 160	44.781	0.000	15 519	70 563	44.446	0.336	0.9242	1.0000



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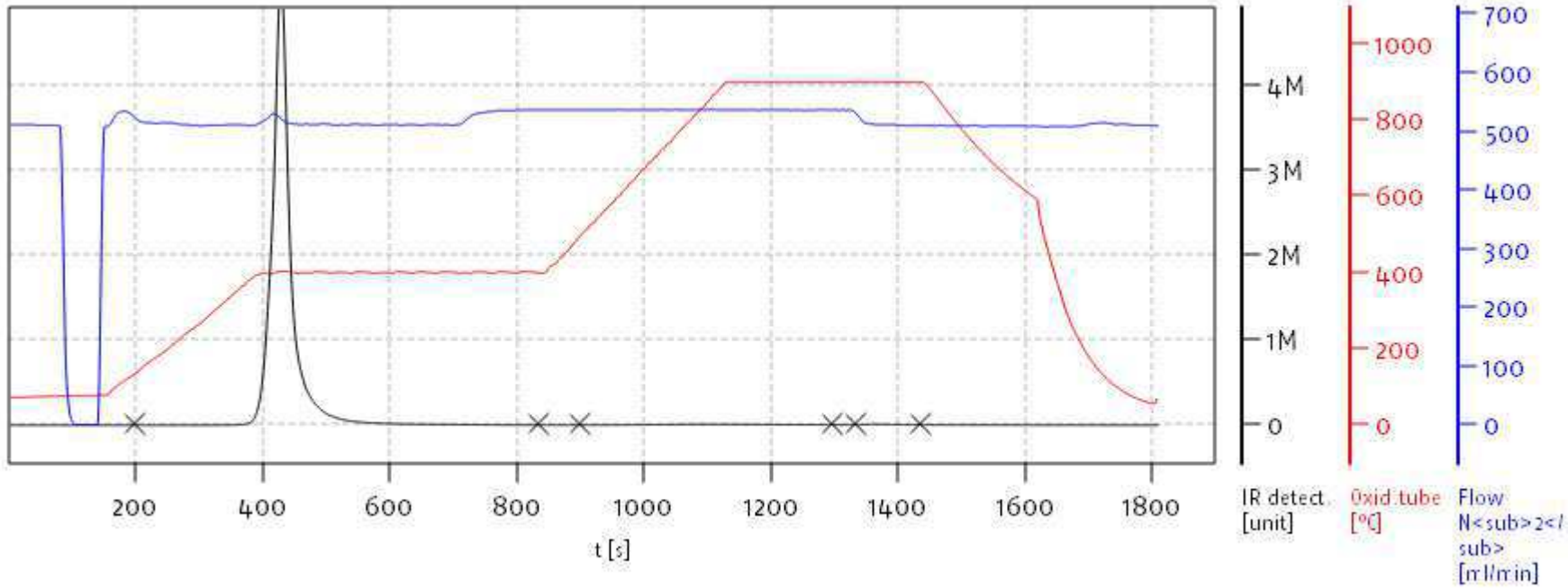
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	21.10		CARBON	12/16/2022 12:42 PM	bl	44.446	6 493 980	44.911	0.000	26 199	90 011	44.446	0.466	0.9367	1.0000



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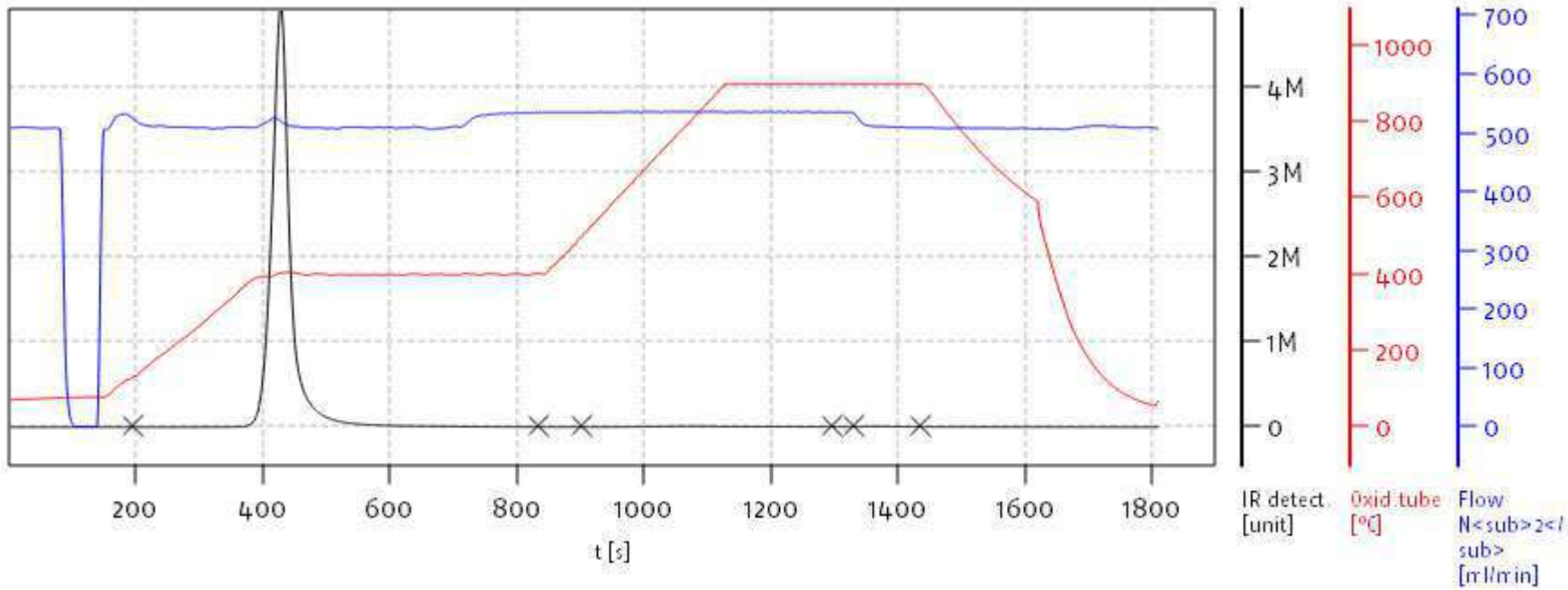
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0217-ICV1	20.30		CARBON	12/16/2022 1:12 PM	bl	44.775	6 337 100	45.238	0.000	23 219	87 311	44.775	0.463	0.9304	1.0000



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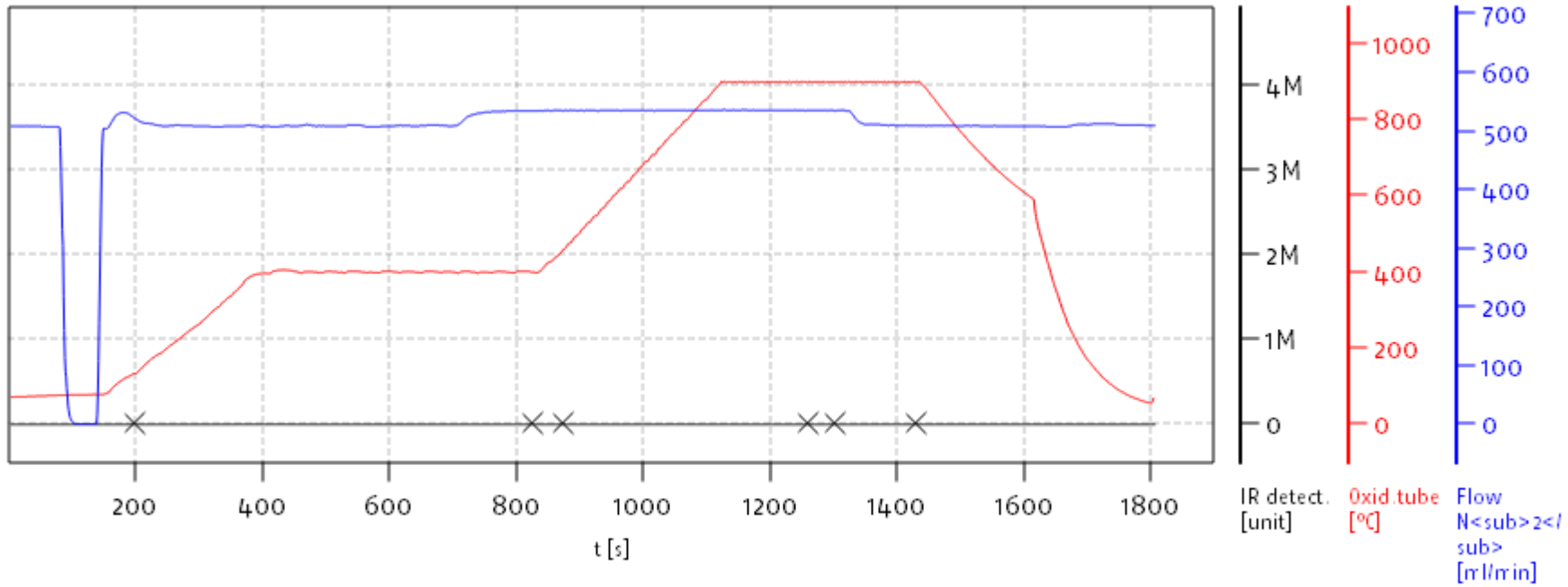
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0217-ICB1	529.40		CARBON	12/16/2022 1:43 PM	bl,C2u	0.000	4 532	0.000	0.000	924	3 175	0.000	0.000	0.9304	1.0000



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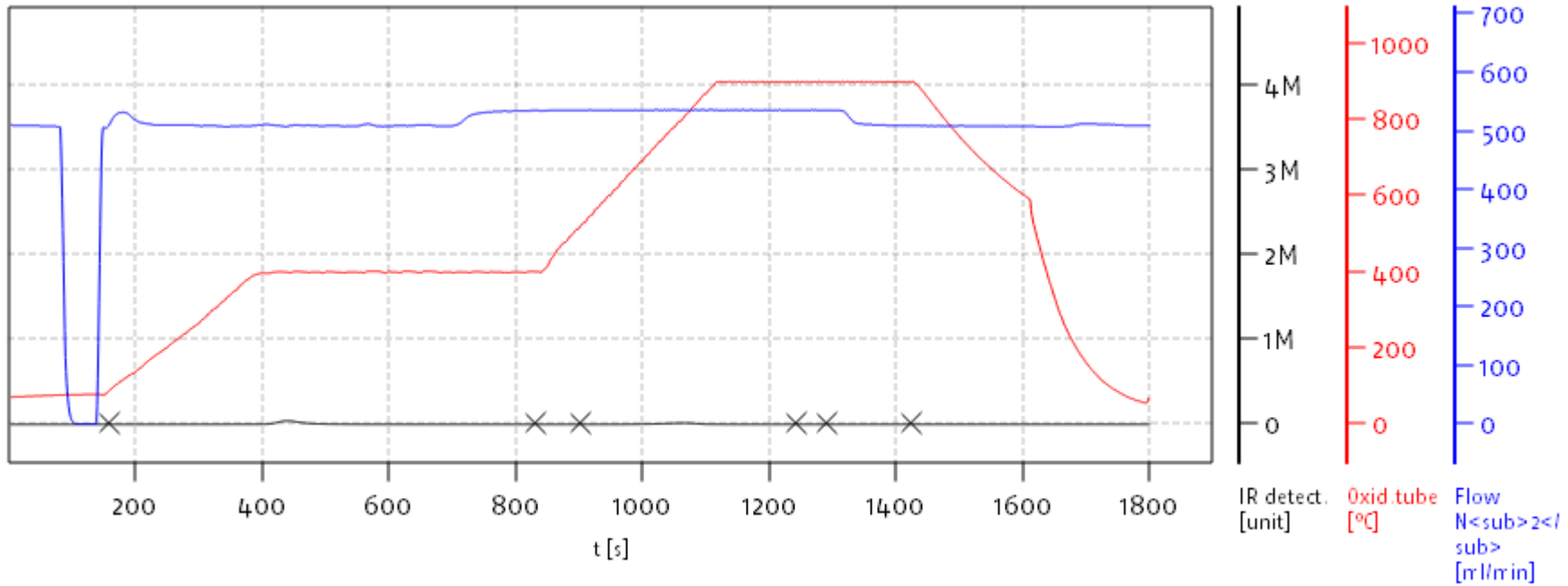
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	BKL0385-MRL1	559.30		CARBON	12/16/2022 2:13 PM	bl,C2u	0.013	78 403	0.017	0.000	928	40 099	0.013	0.004	0.9304	1.0000



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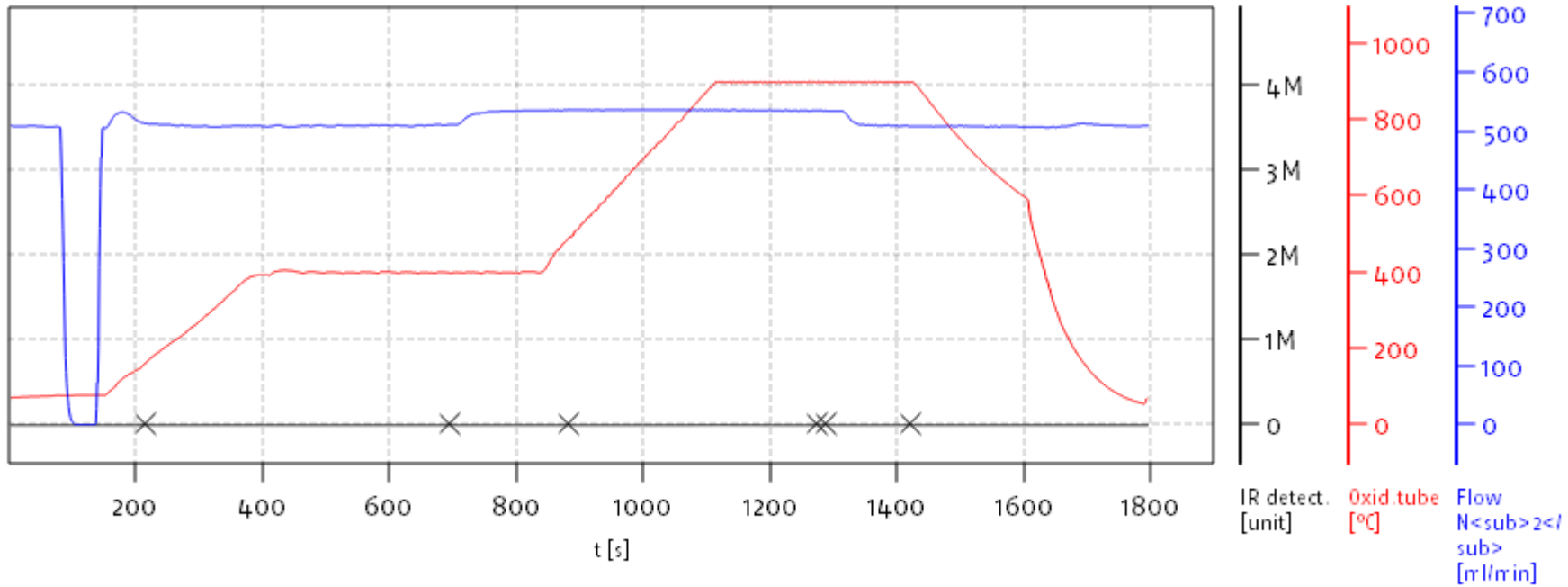
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	BKL0385-BLK1	546.20		CARBON	12/16/2022 2:43 PM	bl,C2u	0.000	2 675	0.000	0.000	545	7 017	0.000	0.000	0.9304	1.0000



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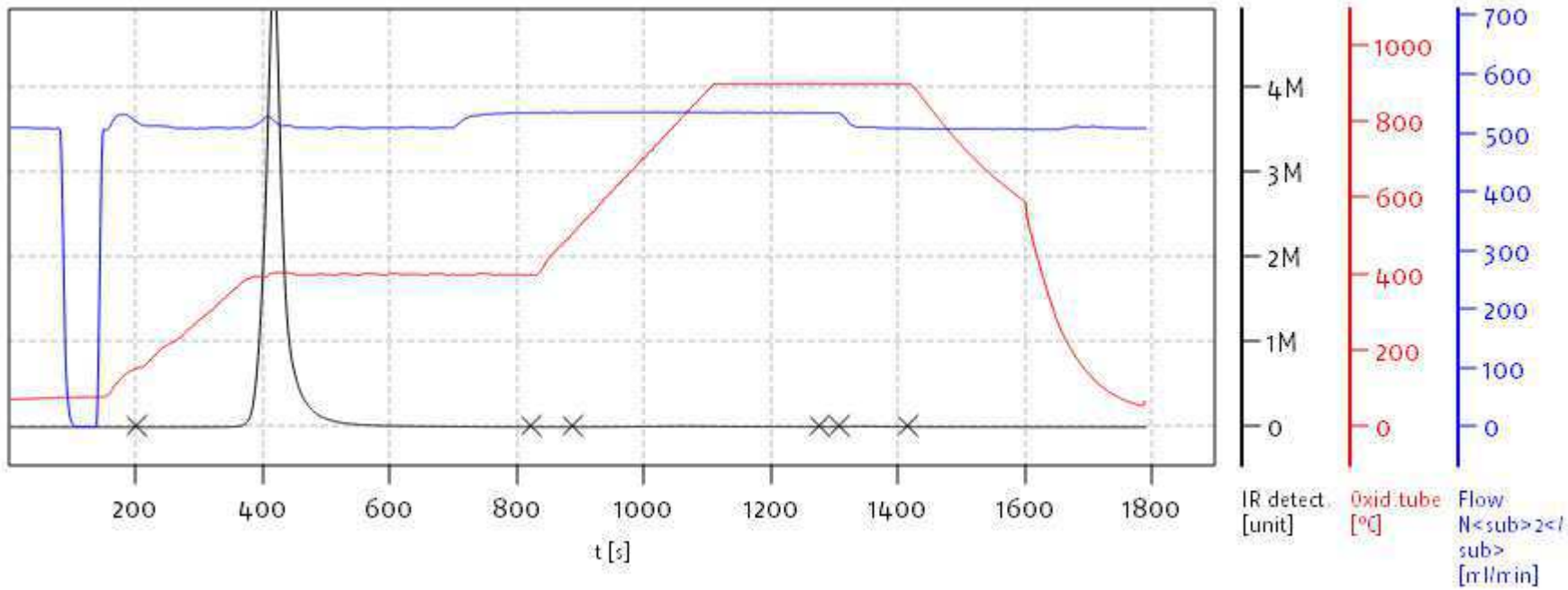
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	BKL0385-BS1	21.30		CARBON	12/16/2022 3:14 PM	bl	44.953	6 674 320	45.356	0.000	22 486	81 977	44.953	0.403	0.9304	1.0000



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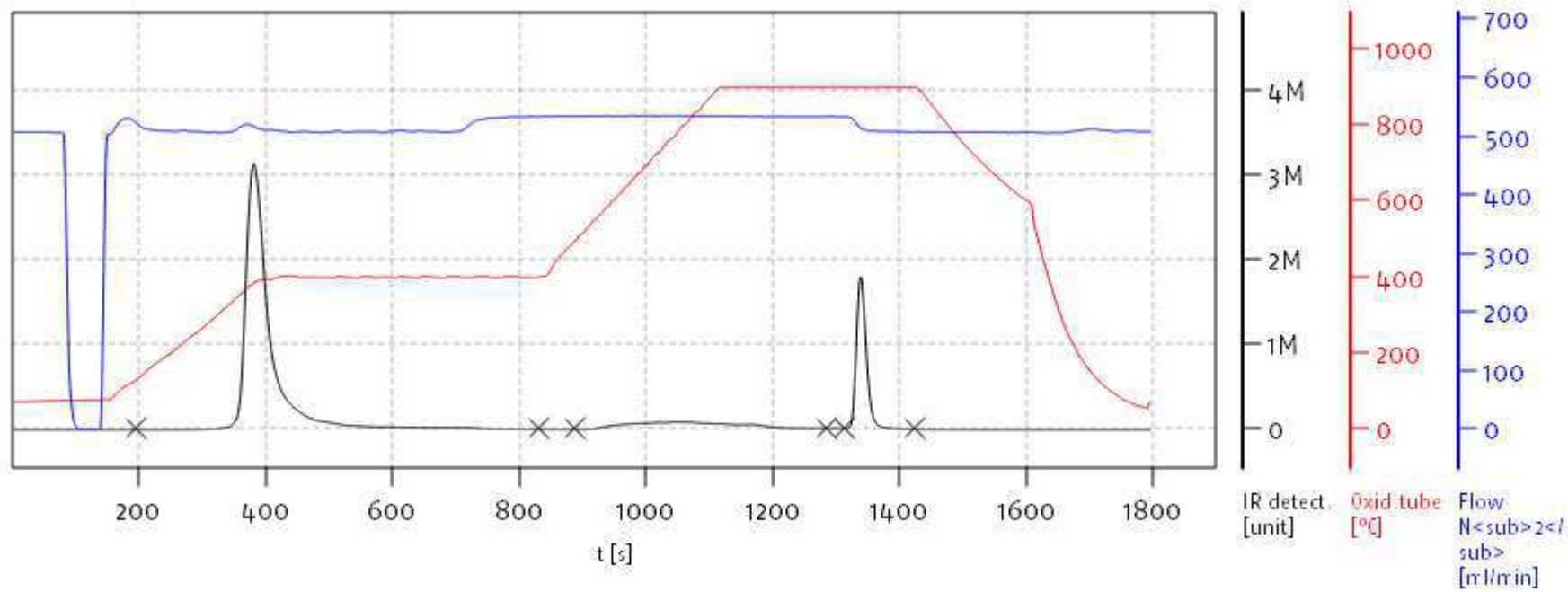
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	BKL0385-SRM1	304.60		CARBON	12/16/2022 3:44 PM	bl	3.022	5 106 150	3.381	0.620	1 246 280	733 271	2.402	0.359	0.9304	1.0000



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Access: soliTOC superuser

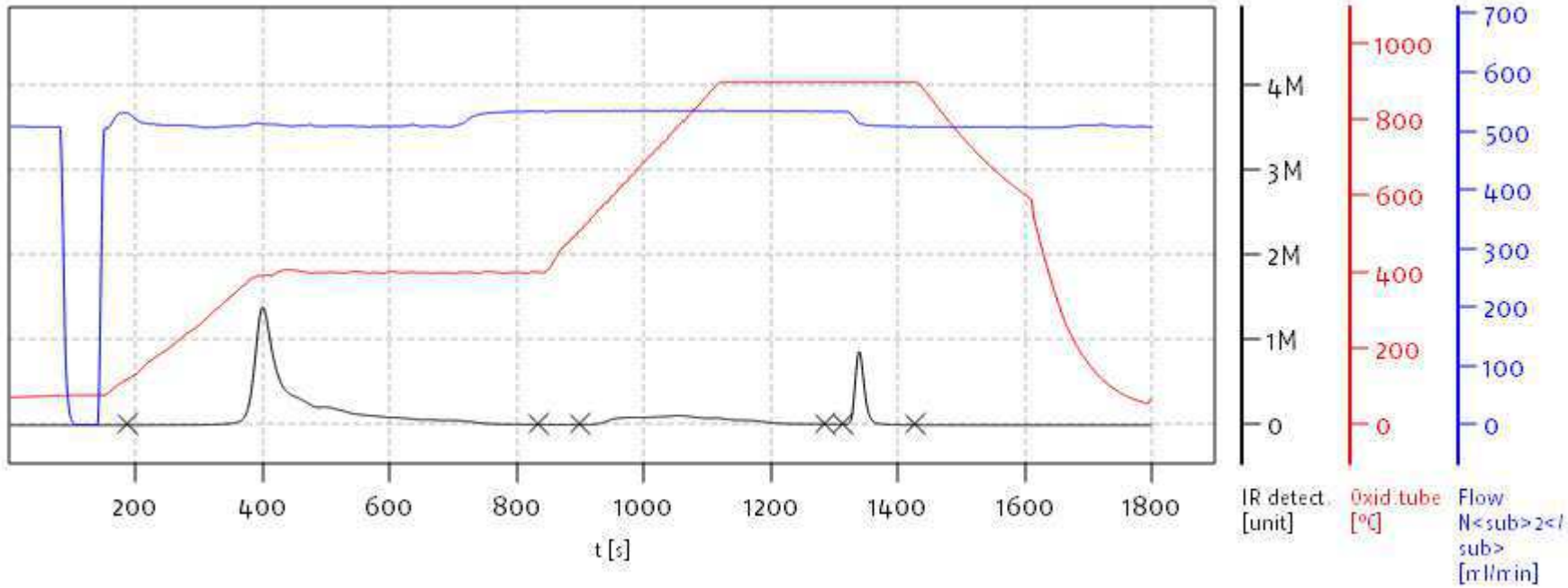
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22L0137-36	529.70		CARBON	12/16/2022 4:14 PM	bl	1.096	3 477 240	1.339	0.158	567 530	857 094	0.938	0.243	0.9304	1.0000



Name:

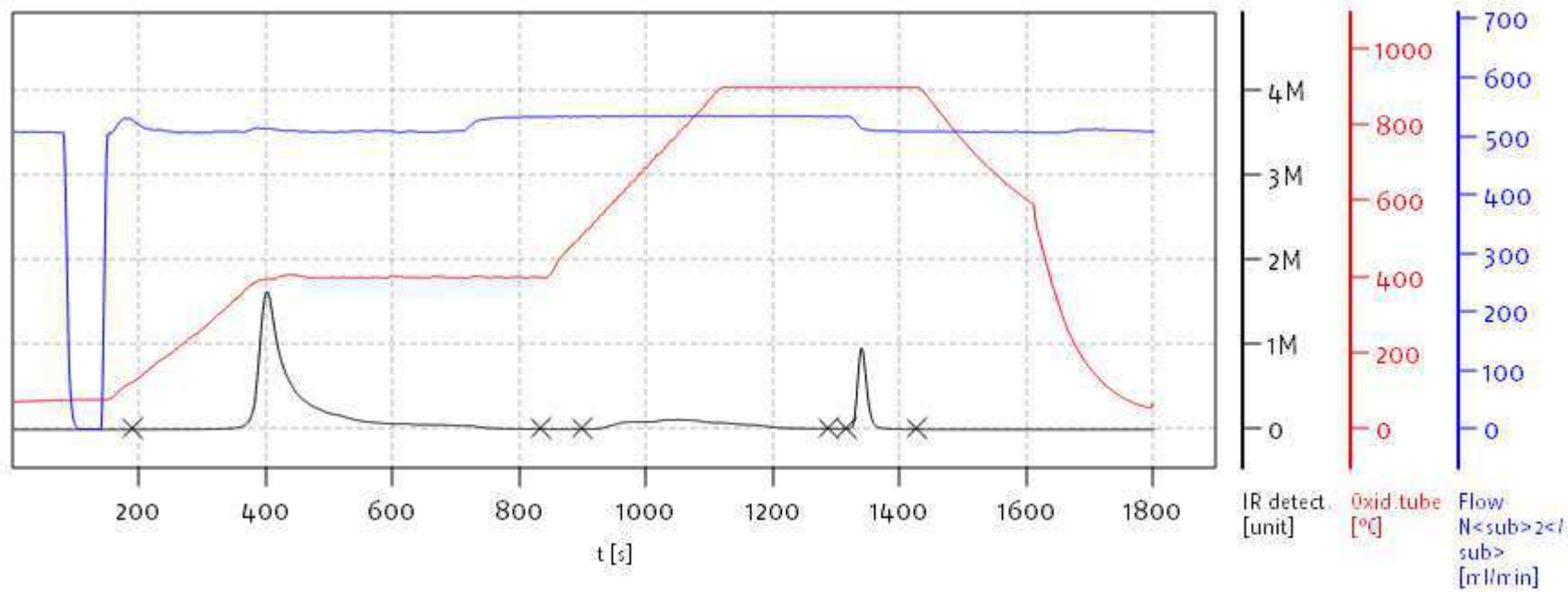
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	BKL0385-DUP1	519.50		CARBON	12/16/2022 4:45 PM	bl	1.221	3 784 250	1.470	0.180	629 184	861 902	1.042	0.249	0.9304	1.0000



Name:

Access: soliTOC superuser

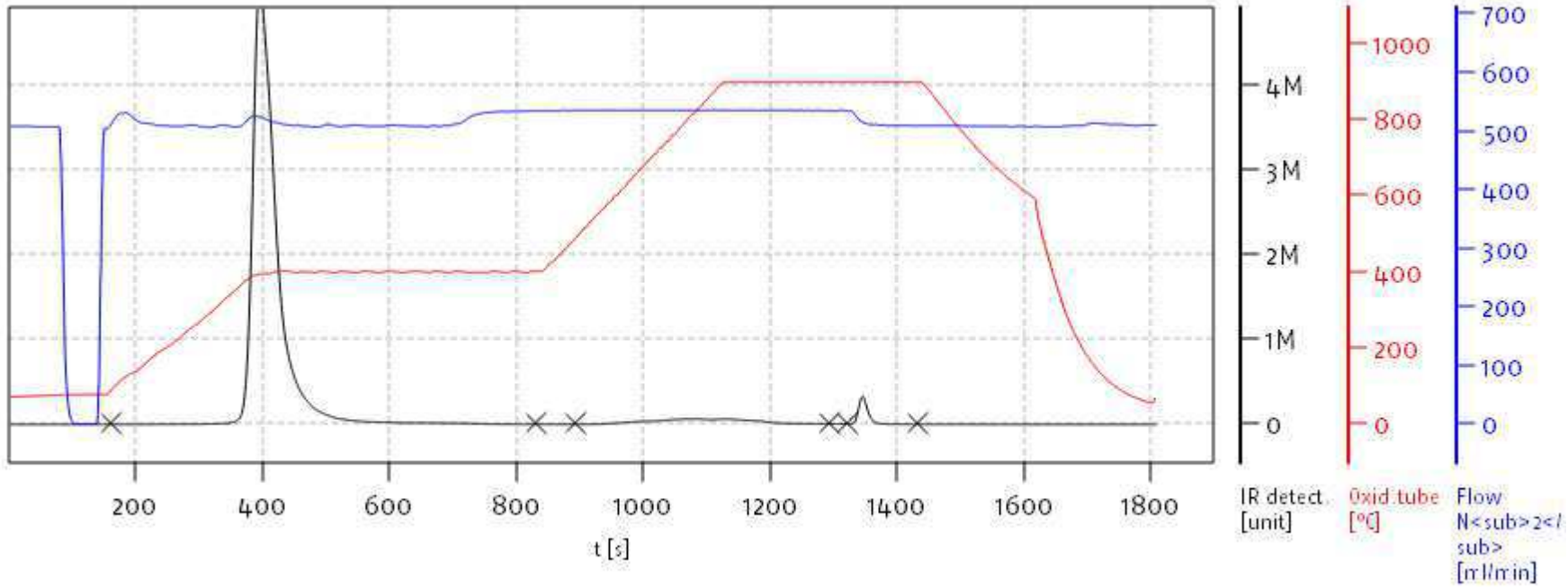
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	BKL0385-MS1	523.20	0.0087	CARBON	12/16/2022 5:15 PM	bl	2.365	8 415 350	2.500	0.056	214 684	483 923	2.309	0.135	0.9304	1.0000



Name:

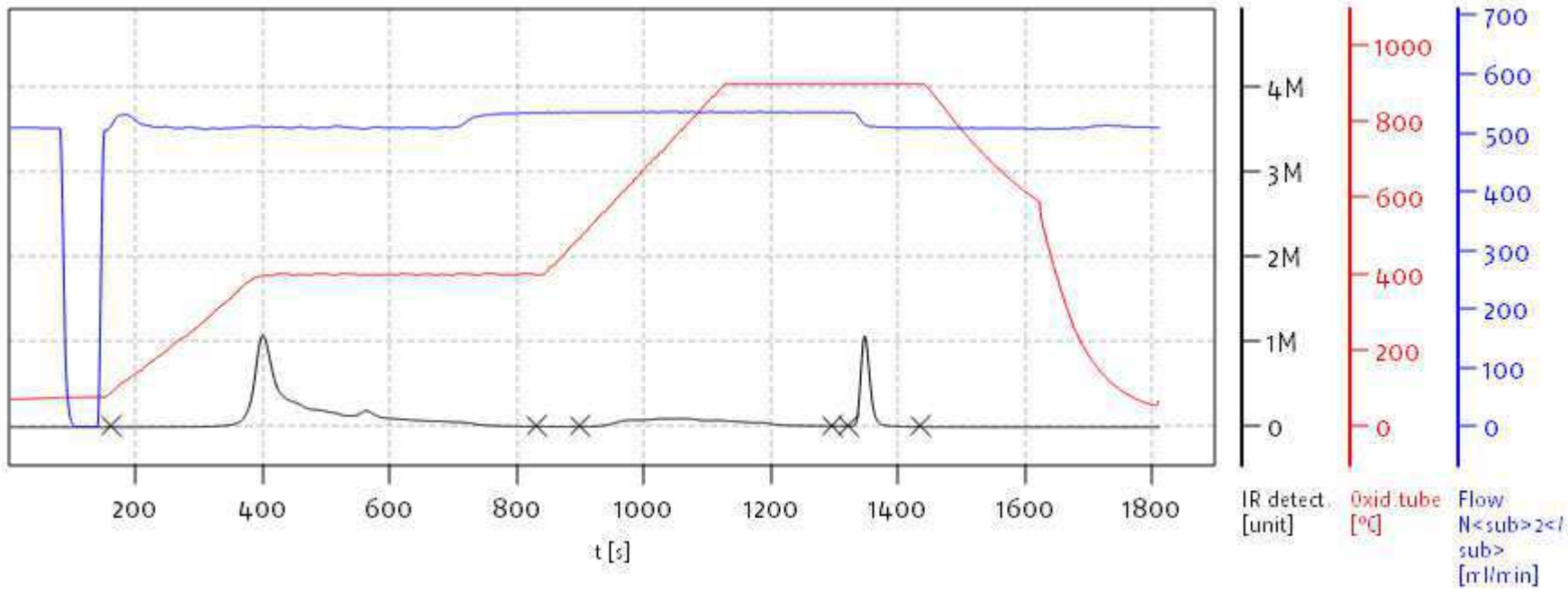
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22L0137-37	520.90		CARBON	12/16/2022 5:46 PM	bl	1.046	3 090 810	1.281	0.199	695 560	816 362	0.847	0.235	0.9304	1.0000



Name:

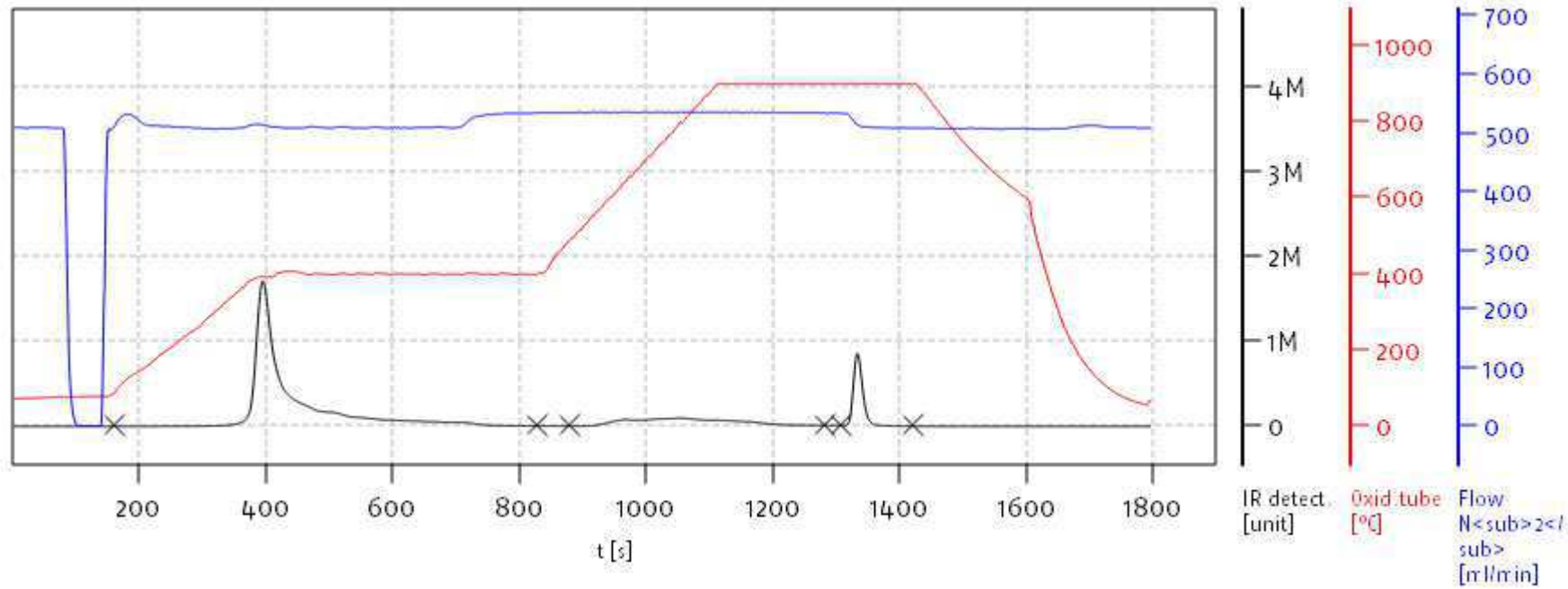
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22L0137-38	515.90		CARBON	12/16/2022 6:16 PM	bl	1.111	3 431 480	1.334	0.160	559 565	769 569	0.951	0.223	0.9304	1.0000



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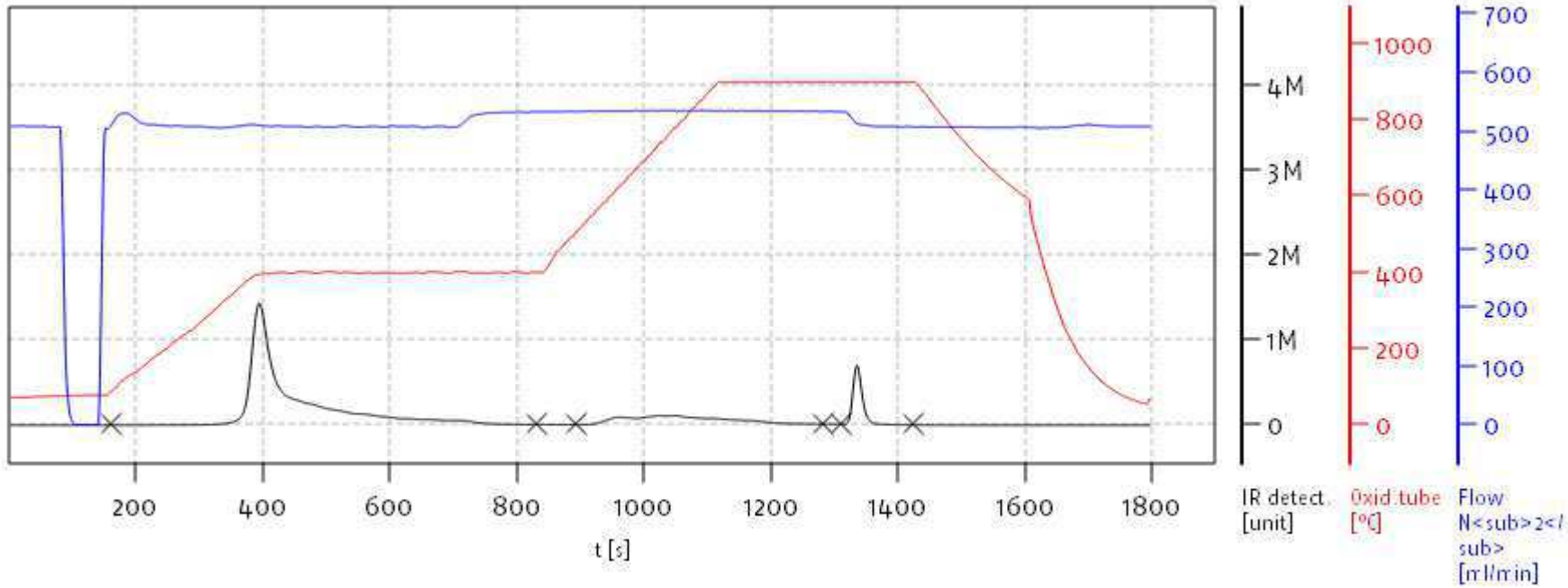
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0137-39	504.80		CARBON	12/16/2022 6:47 PM	bl	1.134	3 528 840	1.391	0.135	466 110	864 978	0.999	0.257	0.9304	1.0000



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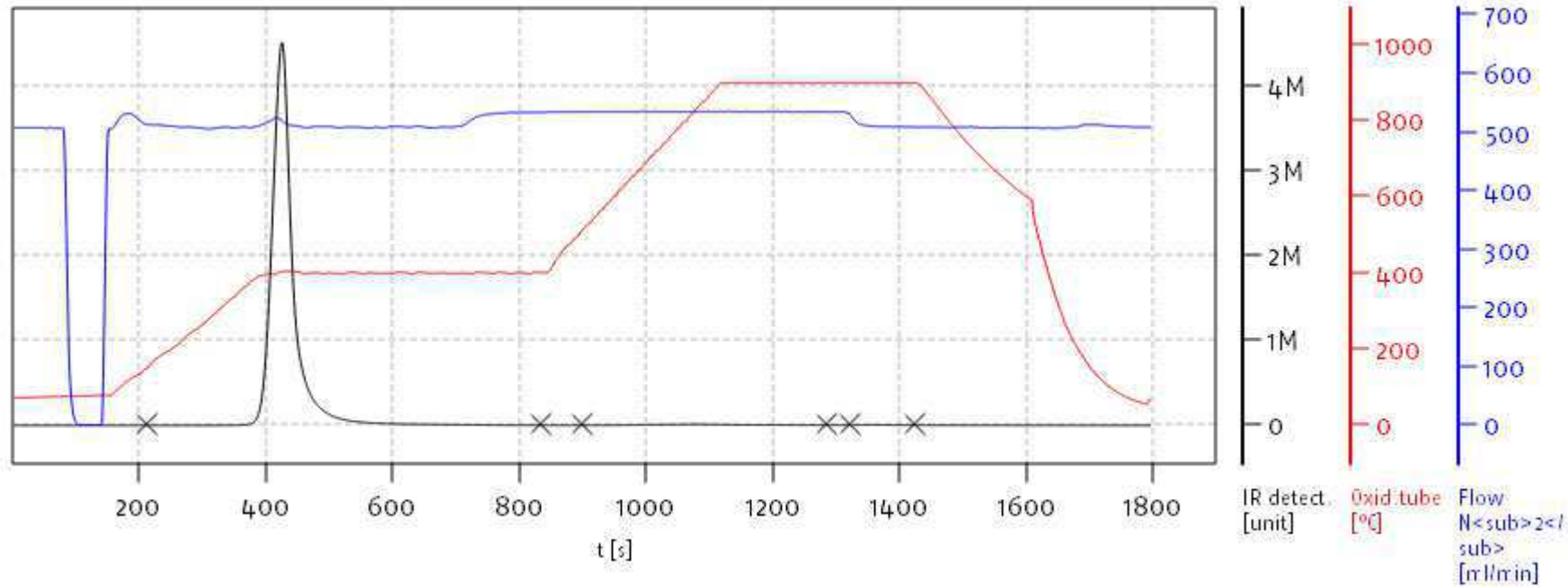
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0217-CCV1	20.40		CARBON	12/16/2022 7:17 PM	bl	44.899	6 385 710	45.399	0.000	18 989	92 451	44.899	0.500	0.9304	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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Soli TOC Cube, Carbon
Balance: BAL3
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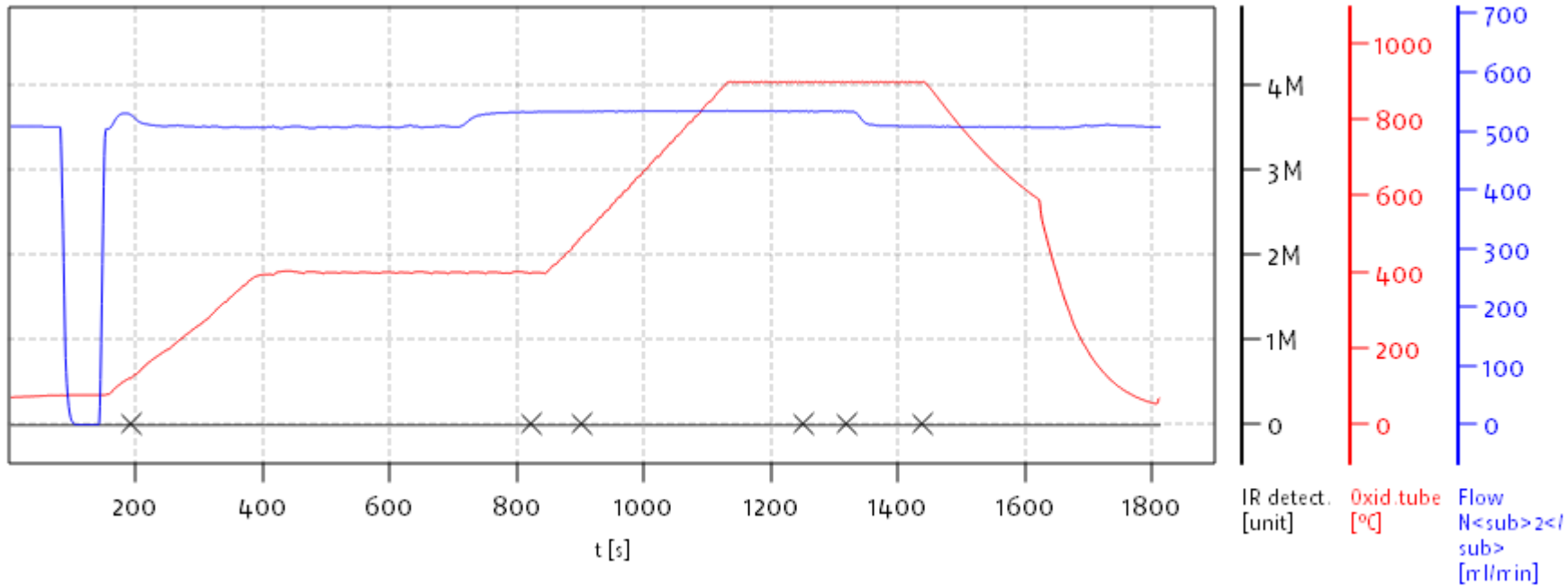
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0217-CCB1	524.10		CARBON	12/16/2022 7:47 PM	bl,C3u,C2u	0.000	4 398	0.000	0.000	285	1 138	0.000	0.000	0.9304	1.0000



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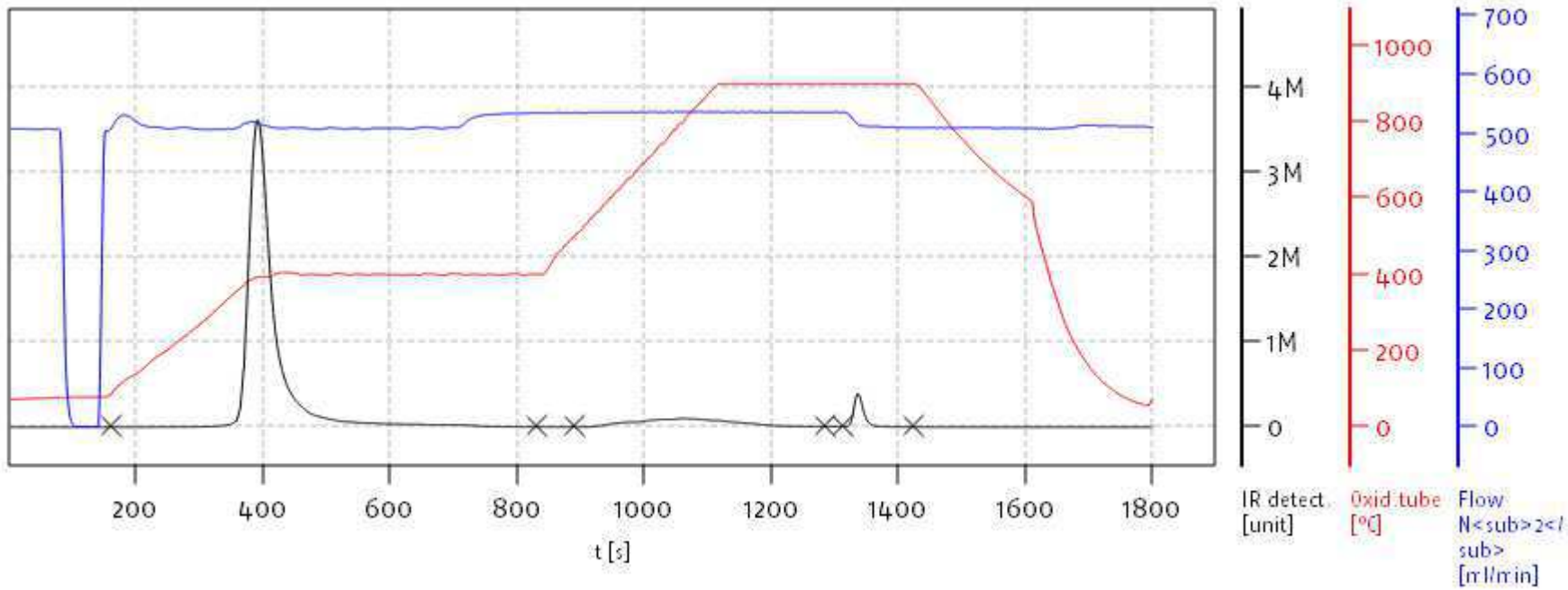
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	22L0137-40	535.40		CARBON	12/16/2022 8:18 PM	bl	1.720	6 161 650	1.915	0.069	266 294	701 813	1.650	0.195	0.9304	1.0000



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Serial No: 0300.181017
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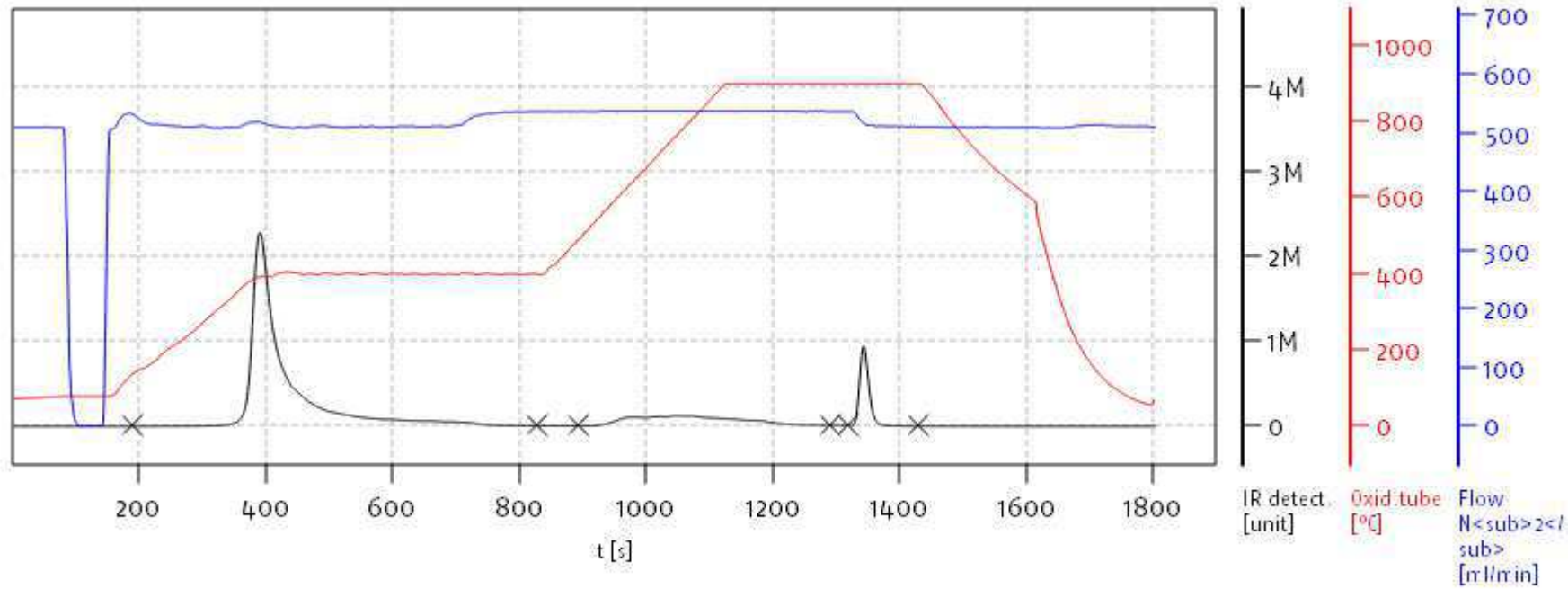
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	22L0137-41	546.80		CARBON	12/16/2022 8:48 PM	bl	1.419	4 783 510	1.702	0.166	613 994	1 025 980	1.253	0.283	0.9304	1.0000



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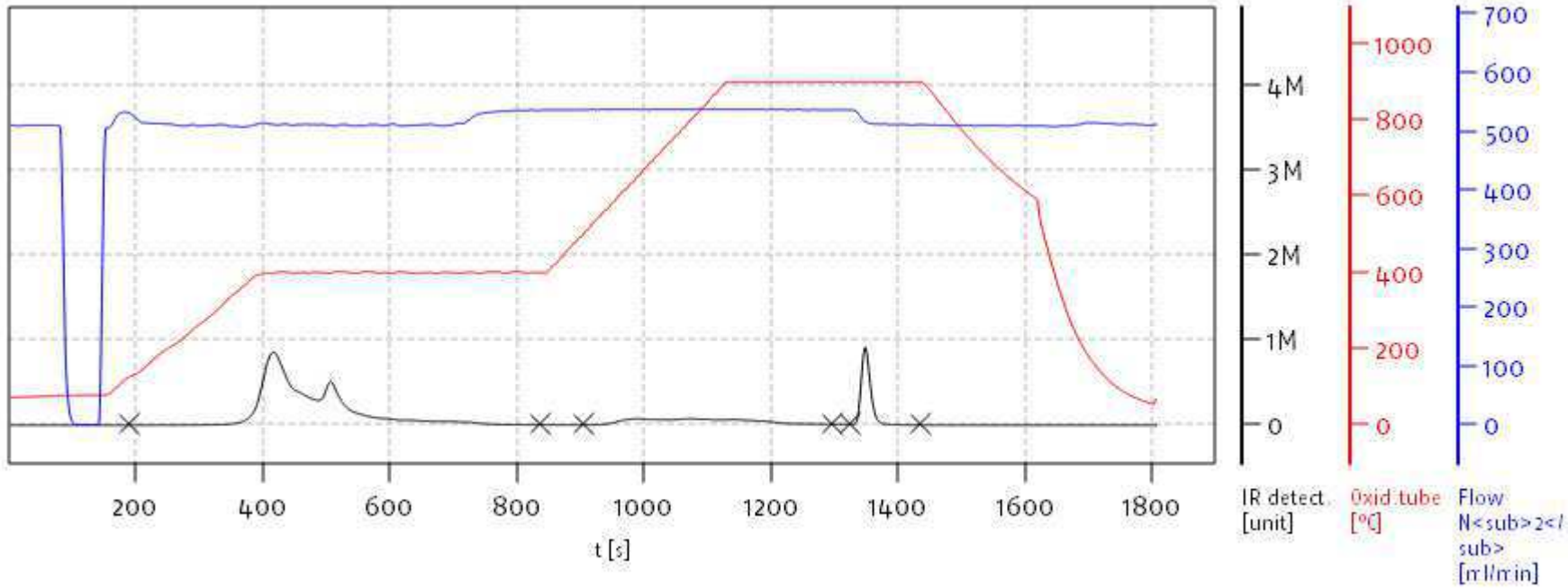
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	22L0137-42	501.10		CARBON	12/16/2022 9:19 PM	bl	1.078	3 178 100	1.278	0.173	585 332	671 410	0.906	0.199	0.9304	1.0000



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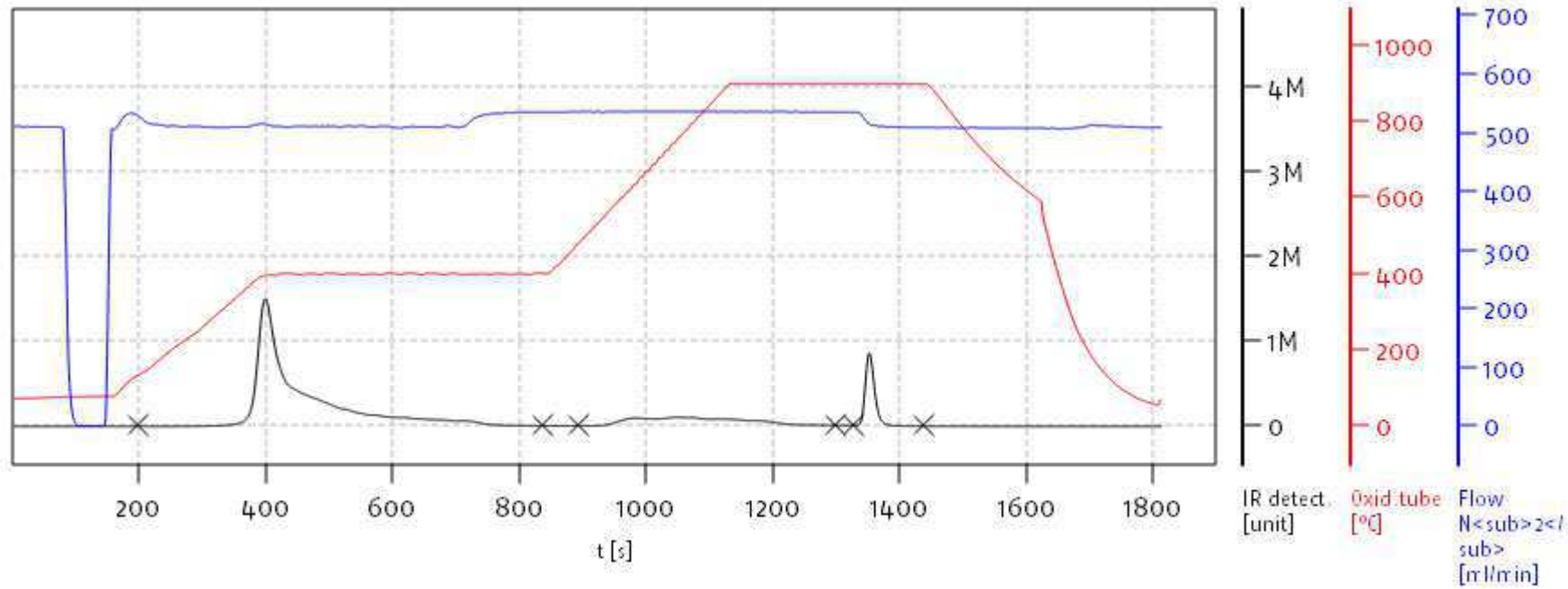
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	22L0137-43	528.10		CARBON	12/16/2022 9:49 PM	bl	1.251	4 033 830	1.508	0.158	566 301	903 746	1.093	0.257	0.9304	1.0000



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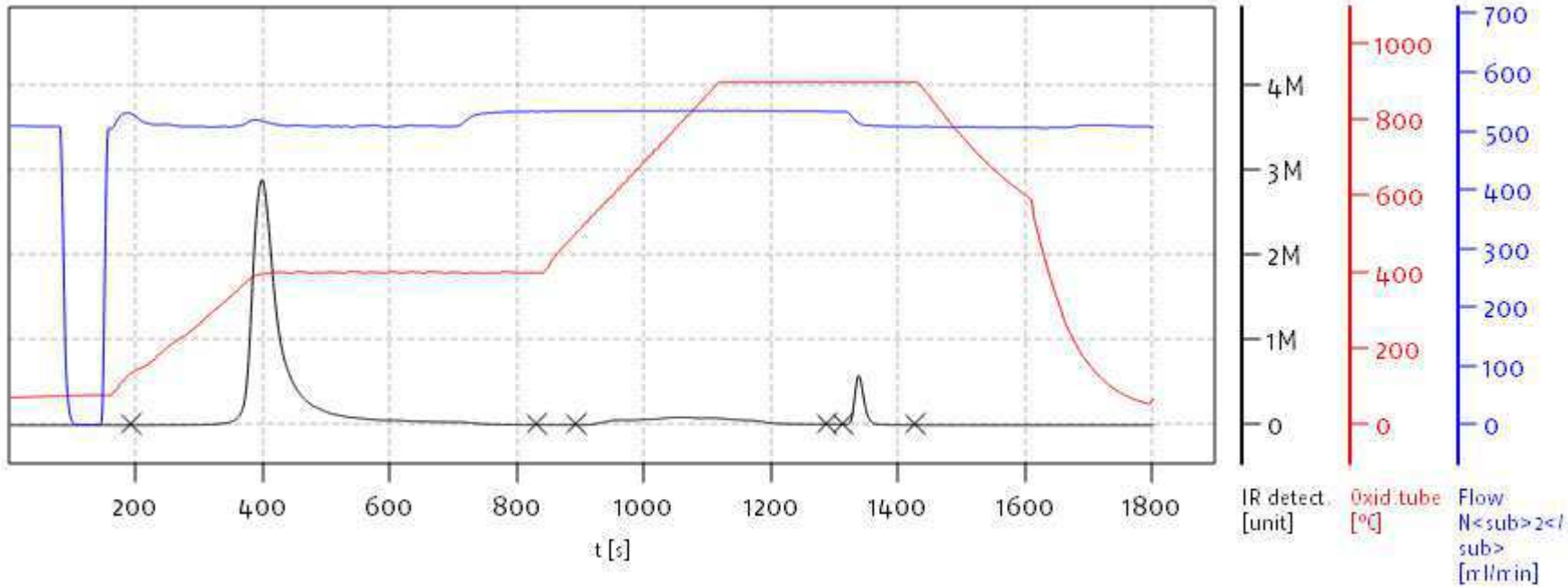
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	22L0137-44	510.20		CARBON	12/16/2022 10:20 PM	bl	1.709	5 700 630	1.924	0.107	379 826	735 639	1.602	0.215	0.9304	1.0000



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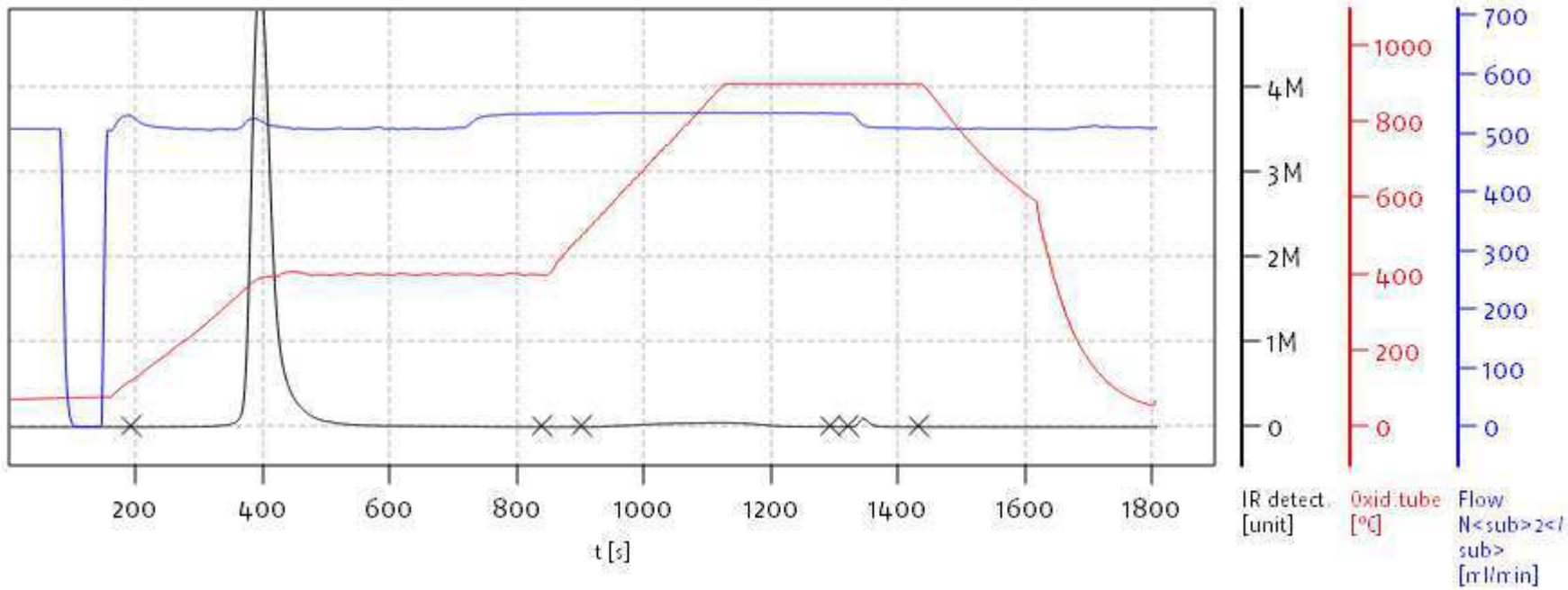
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	22L0137-45	507.10		CARBON	12/16/2022 10:50 PM	bl	2.155	7 560 180	2.263	0.015	75 113	381 937	2.140	0.108	0.9304	1.0000



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Balance: BAL3
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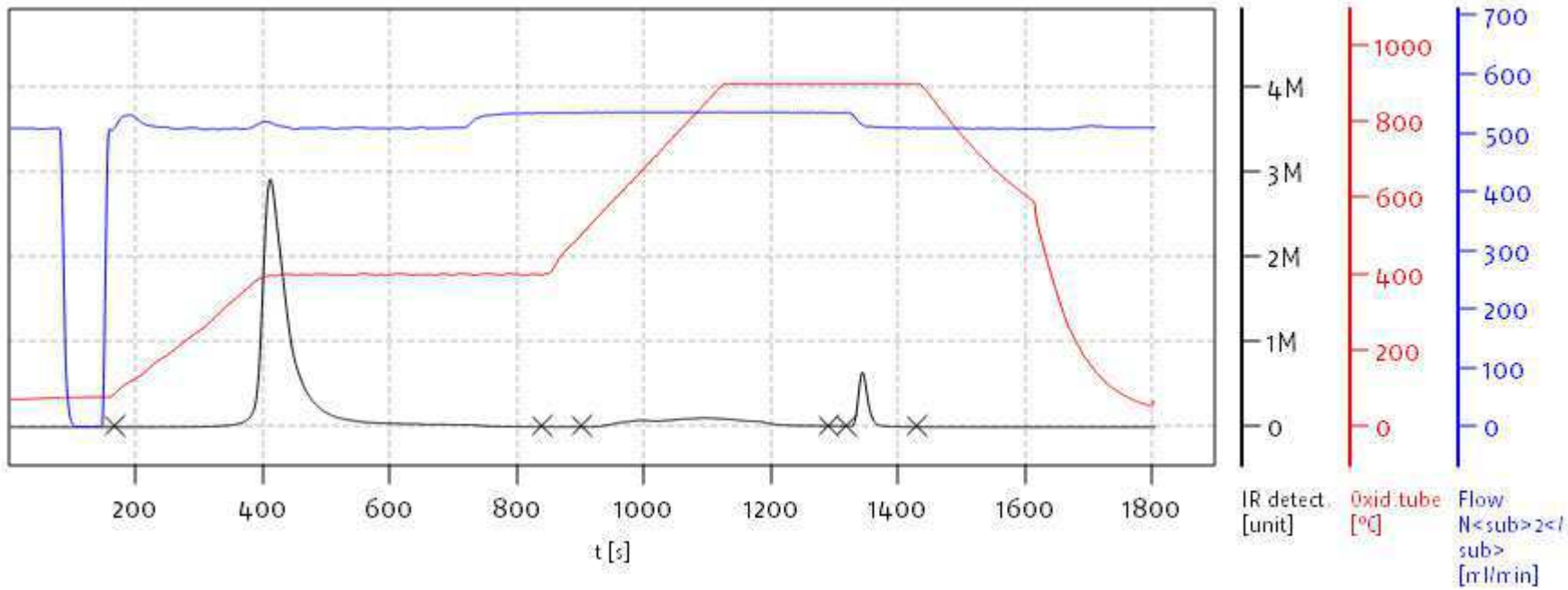
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	22L0137-46	507.90		CARBON	12/16/2022 11:21 PM	bl	1.655	5 429 400	1.903	0.123	430 431	838 948	1.532	0.248	0.9304	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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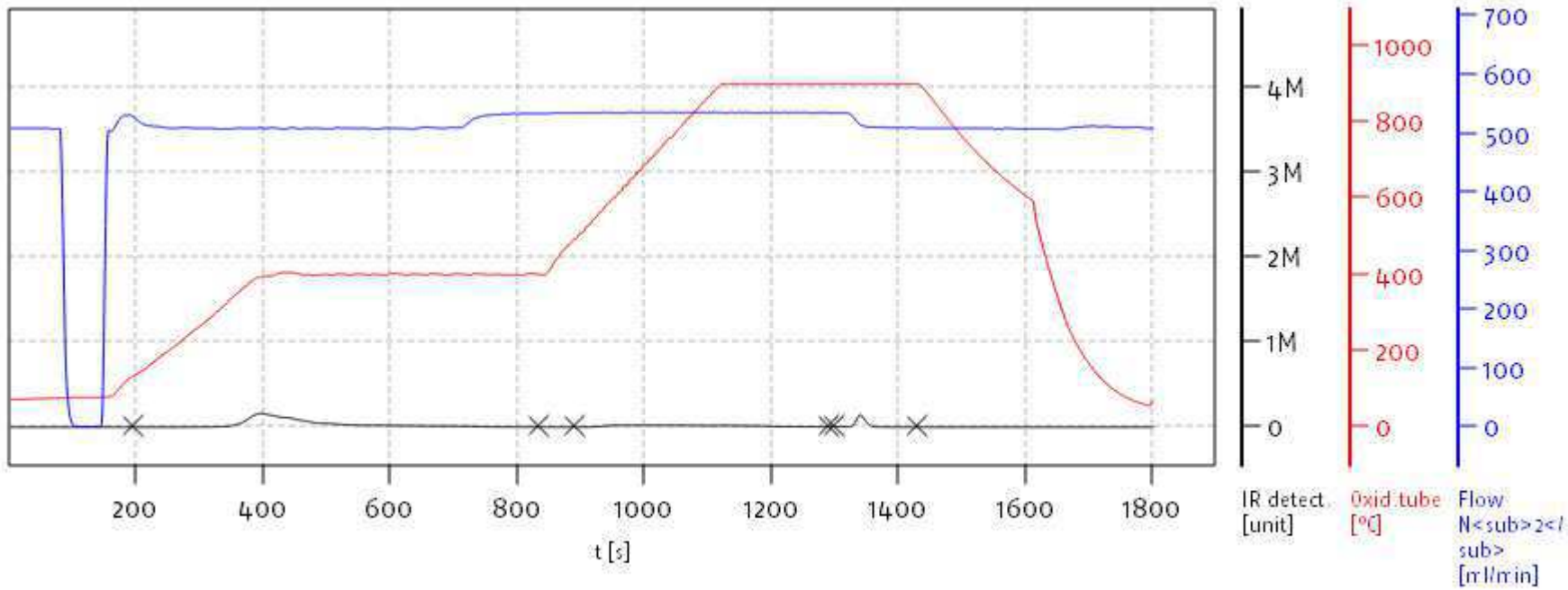
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	22L0137-47	151.00		CARBON	12/16/2022 11:51 PM	bl	0.723	709 585	0.908	0.071	95 858	207 397	0.652	0.185	0.9304	1.0000



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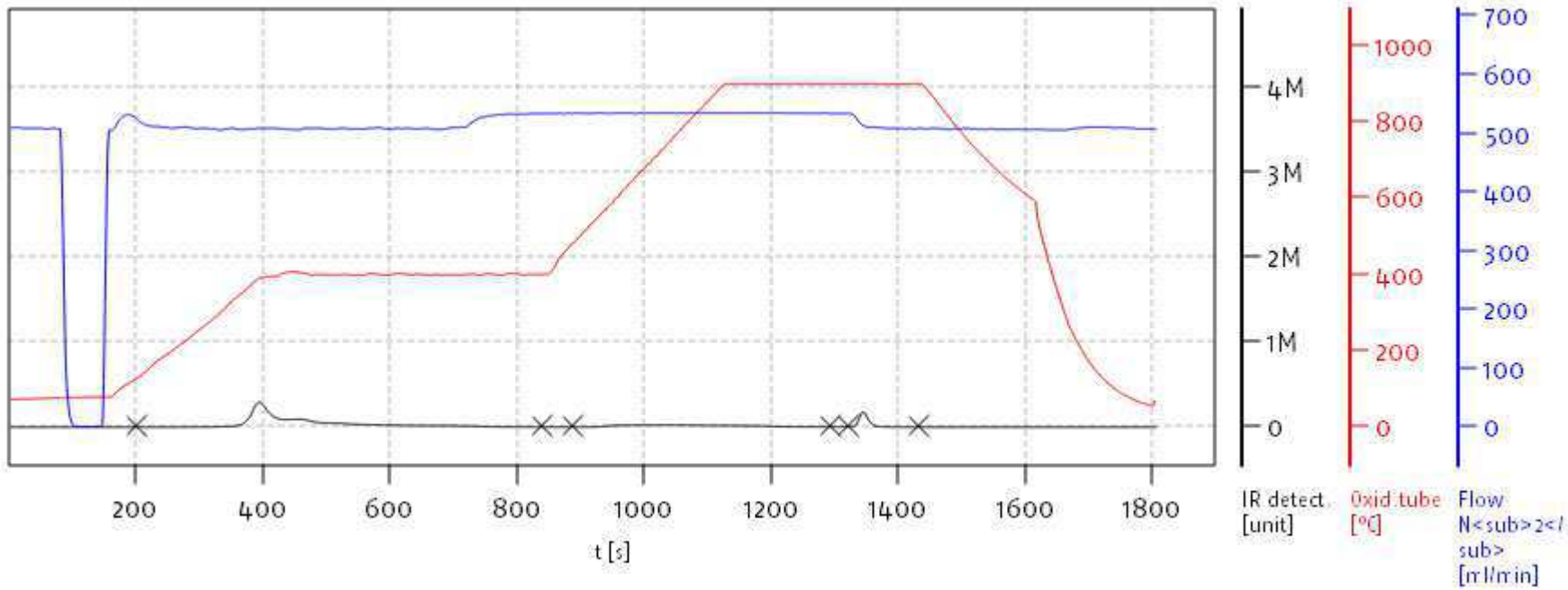
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	22L0137-48	156.80		CARBON	12/17/2022 12:22 AM	bl	0.831	836 252	1.013	0.087	114 914	210 415	0.744	0.182	0.9304	1.0000



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Balance: BAL3
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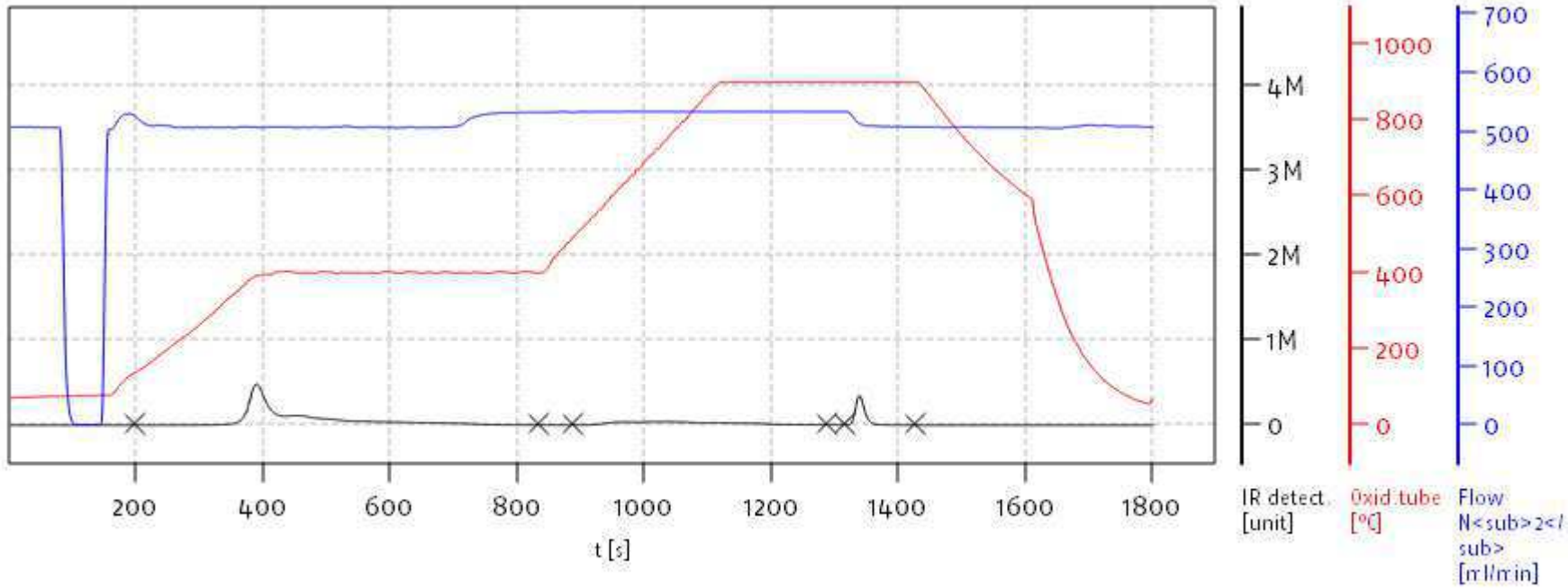
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0137-49	221.60		CARBON	12/17/2022 12:52 AM	bl	0.921	1 235 860	1.129	0.135	220 108	324 133	0.786	0.208	0.9304	1.0000



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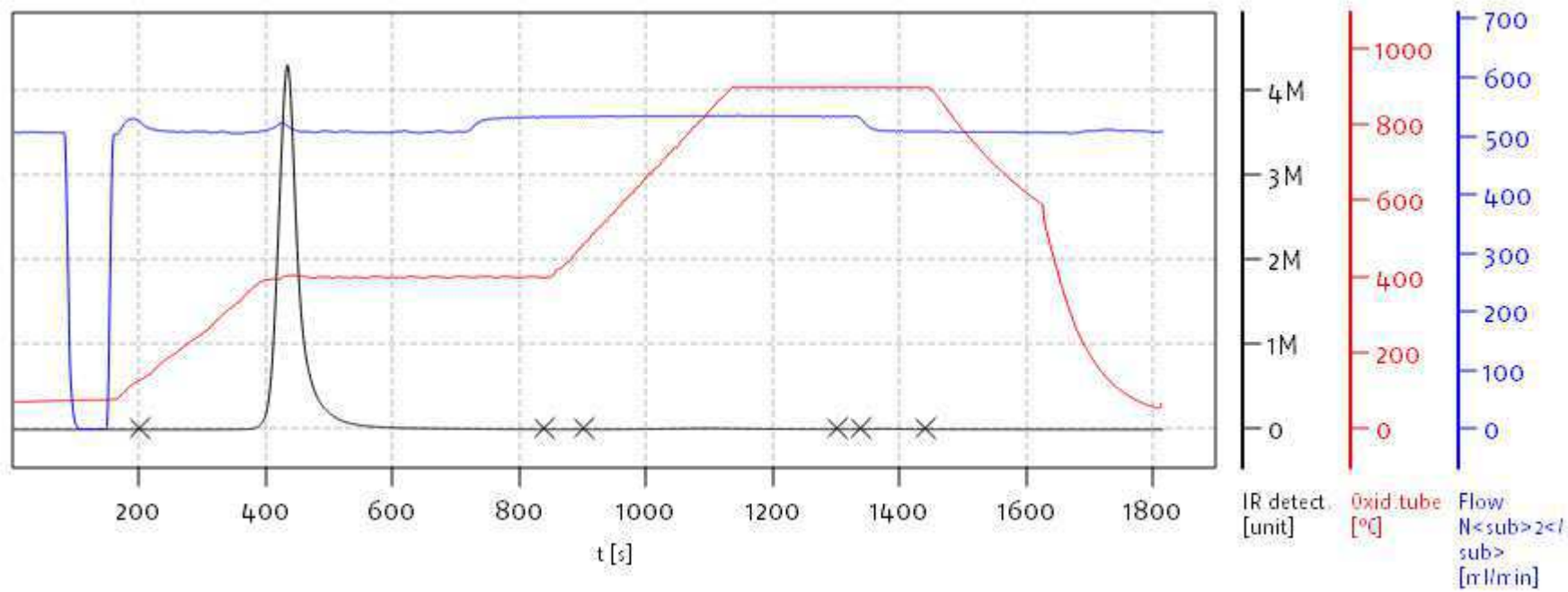
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0217-CCV2	20.50		CARBON	12/17/2022 1:23 AM	bl	43.840	6 266 240	44.395	0.000	19 820	100 027	43.840	0.555	0.9304	1.0000



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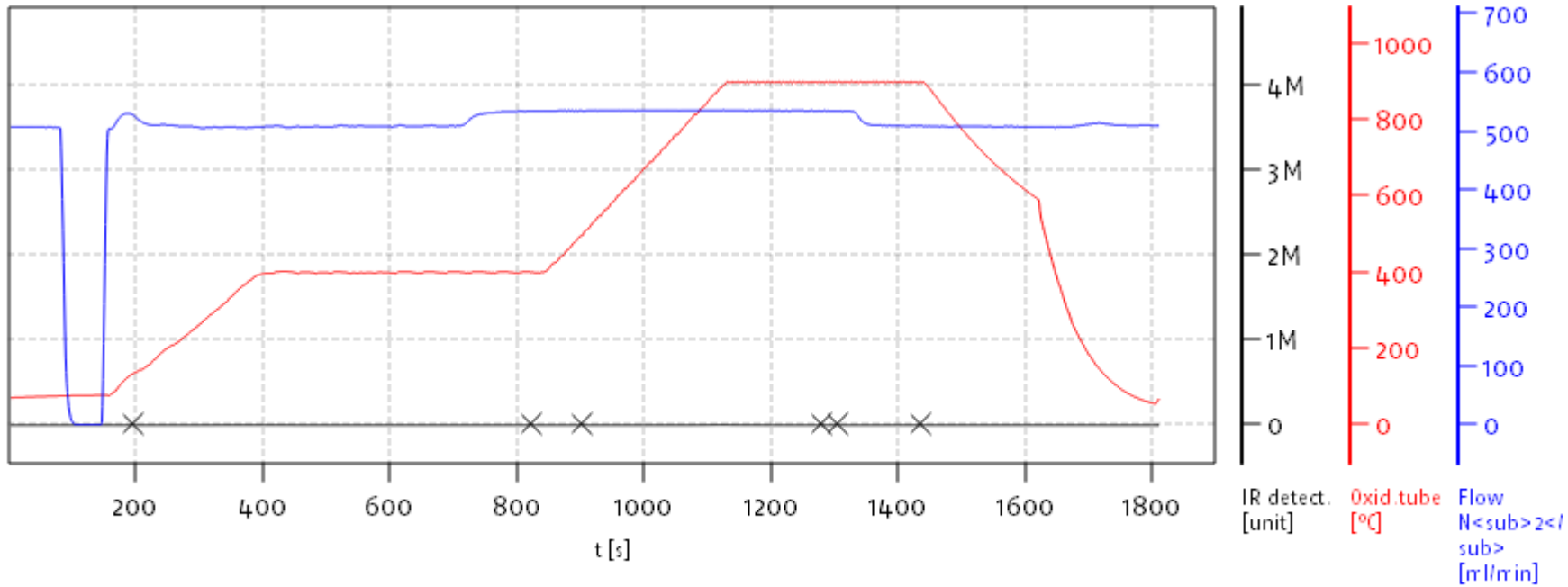
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0217-CCB2	570.20		CARBON	12/17/2022 1:53 AM	bl,C2u	0.000	6 750	0.000	0.000	319	8 814	0.000	0.000	0.9304	1.0000



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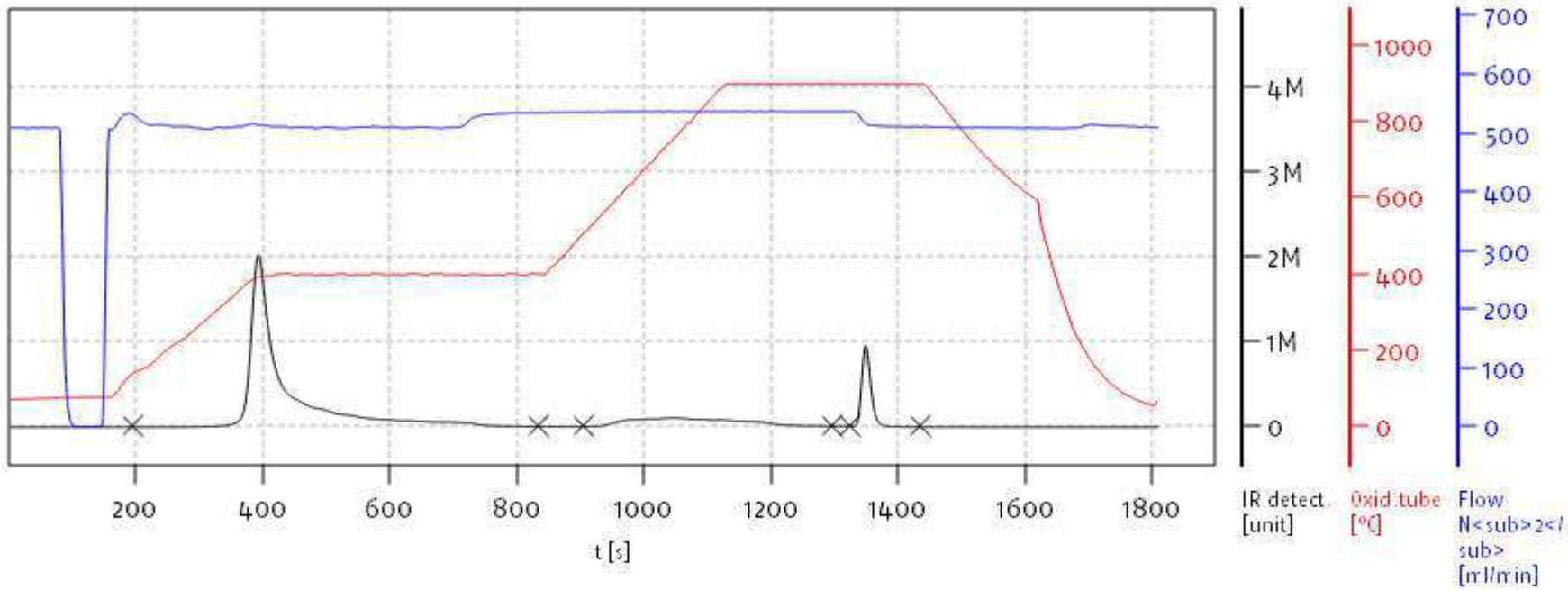
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	22L0137-50	507.80		CARBON	12/17/2022 2:24 AM	bl	1.363	4 200 090	1.621	0.179	613 780	873 347	1.184	0.258	0.9304	1.0000



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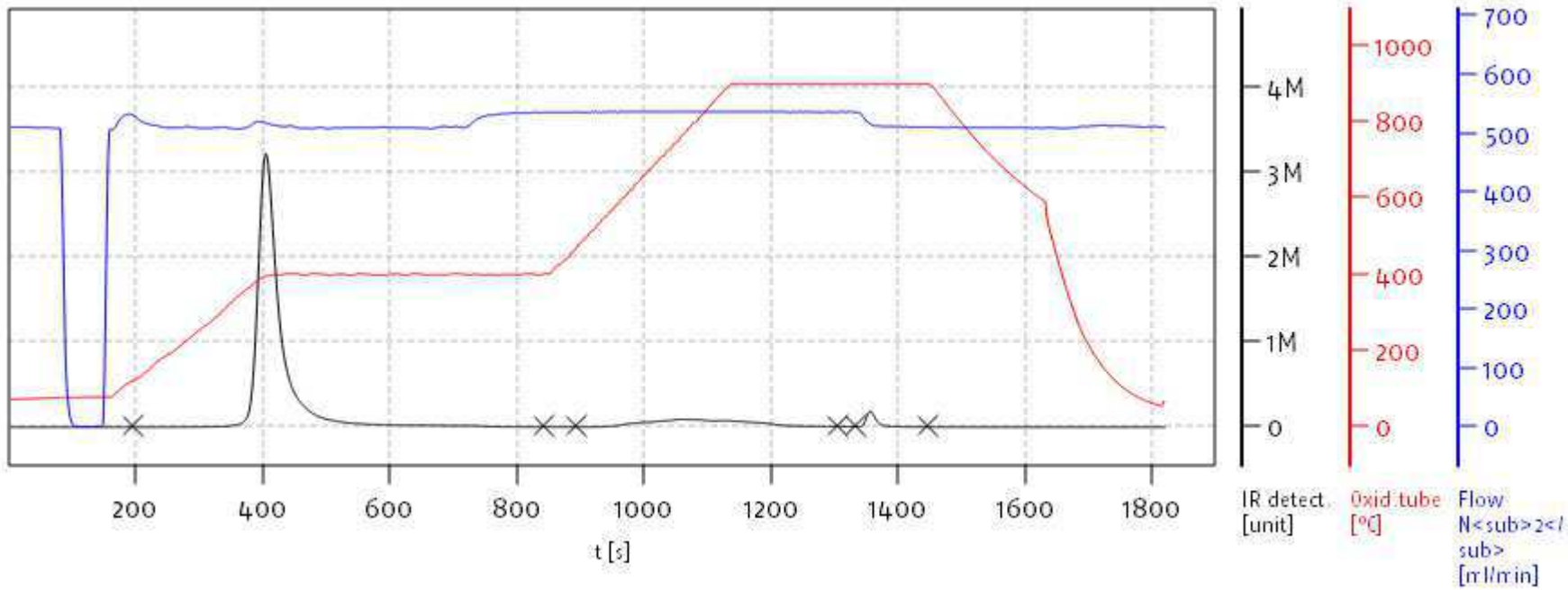
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	22L0137-51	508.60		CARBON	12/17/2022 2:55 AM	bl	1.412	4 898 960	1.606	0.033	133 458	662 412	1.380	0.194	0.9304	1.0000



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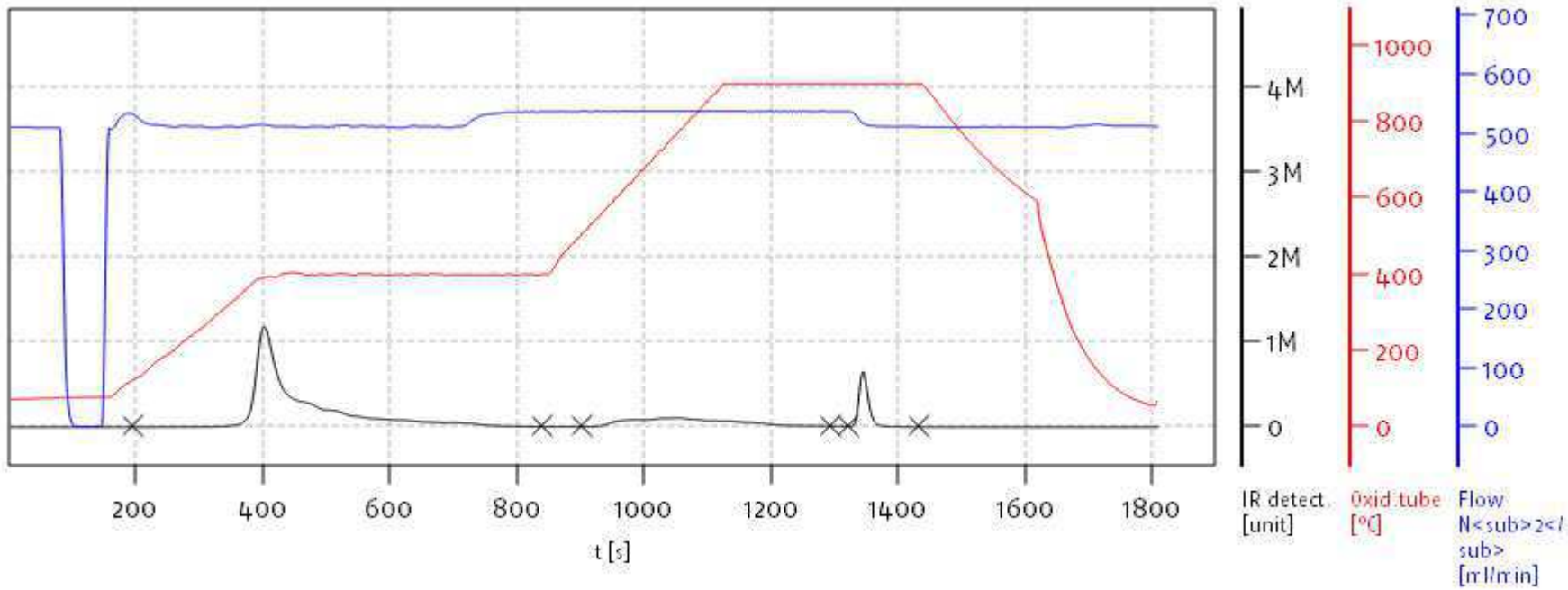
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0137-52	514.30		CARBON	12/17/2022 3:25 AM	bl	1.008	3 195 740	1.247	0.120	426 413	820 266	0.888	0.239	0.9304	1.0000



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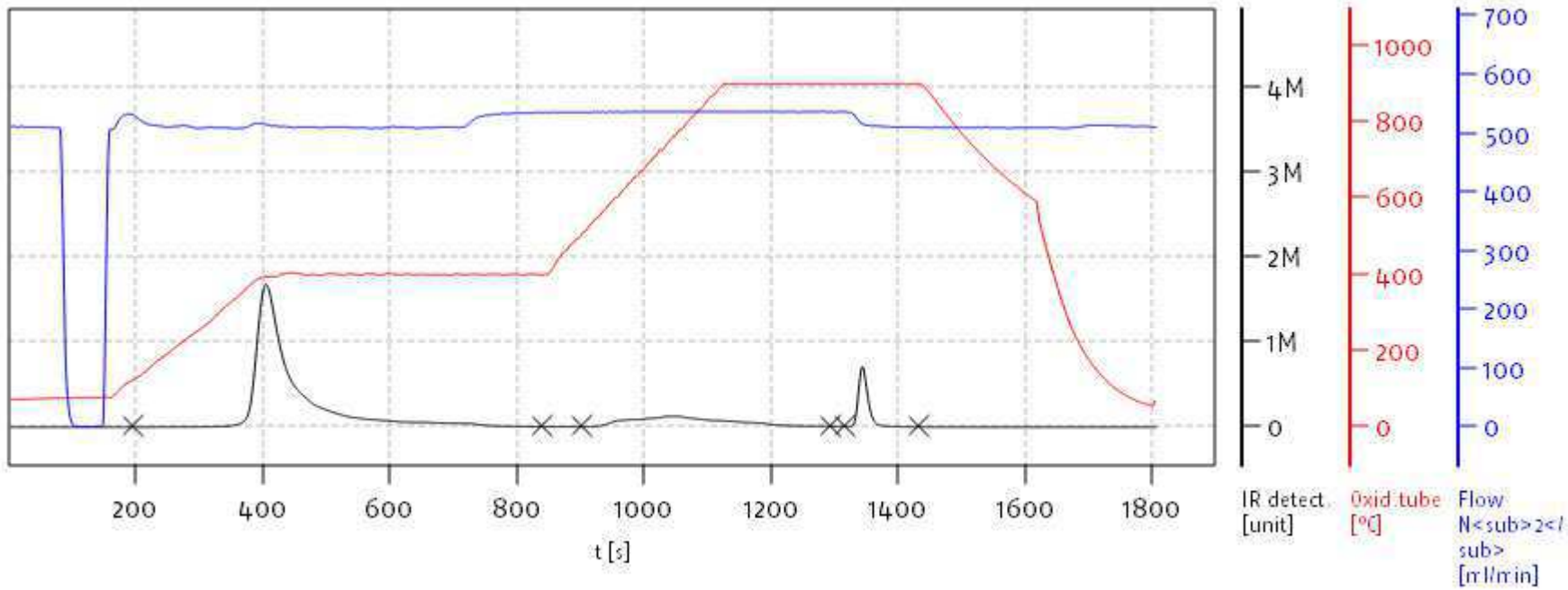
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0137-53	515.00		CARBON	12/17/2022 3:56 AM	bl	1.282	4 131 150	1.539	0.134	472 731	882 811	1.148	0.257	0.9304	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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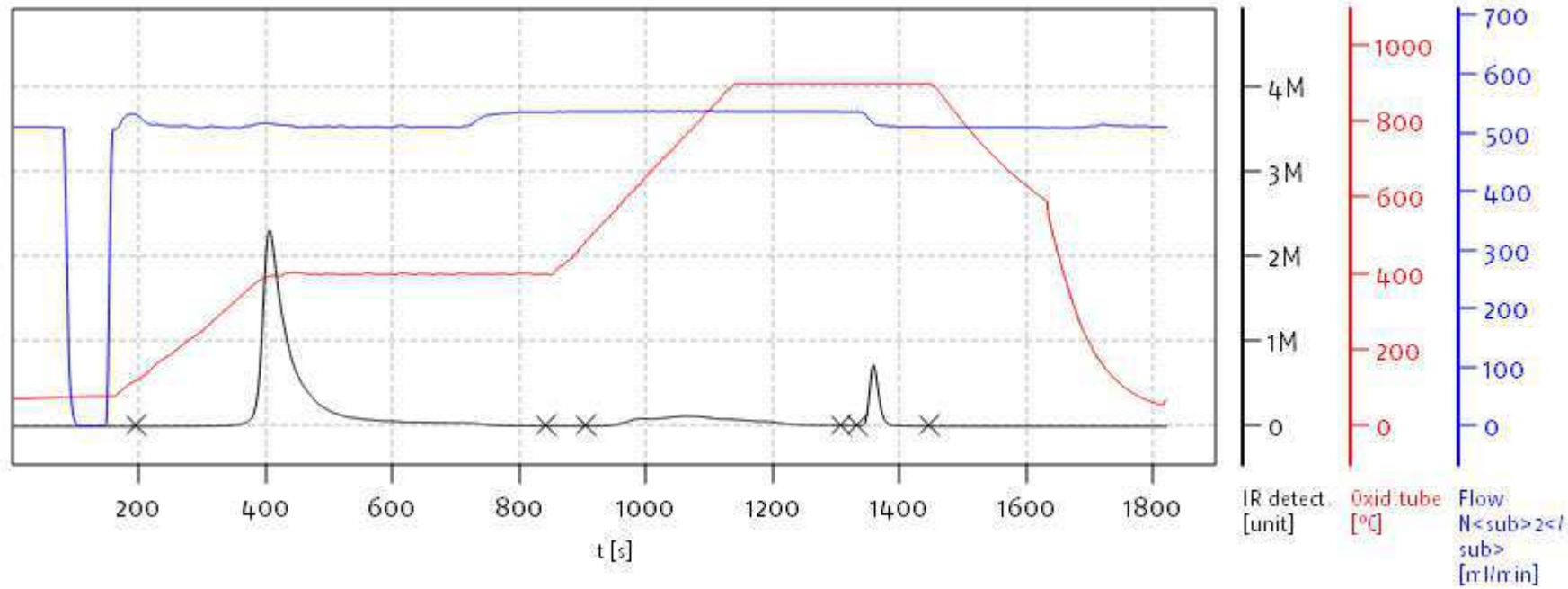
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0137-54	509.80		CARBON	12/17/2022 4:27 AM	bl	1.438	4 636 570	1.703	0.136	472 852	899 656	1.302	0.265	0.9304	1.0000



Name:

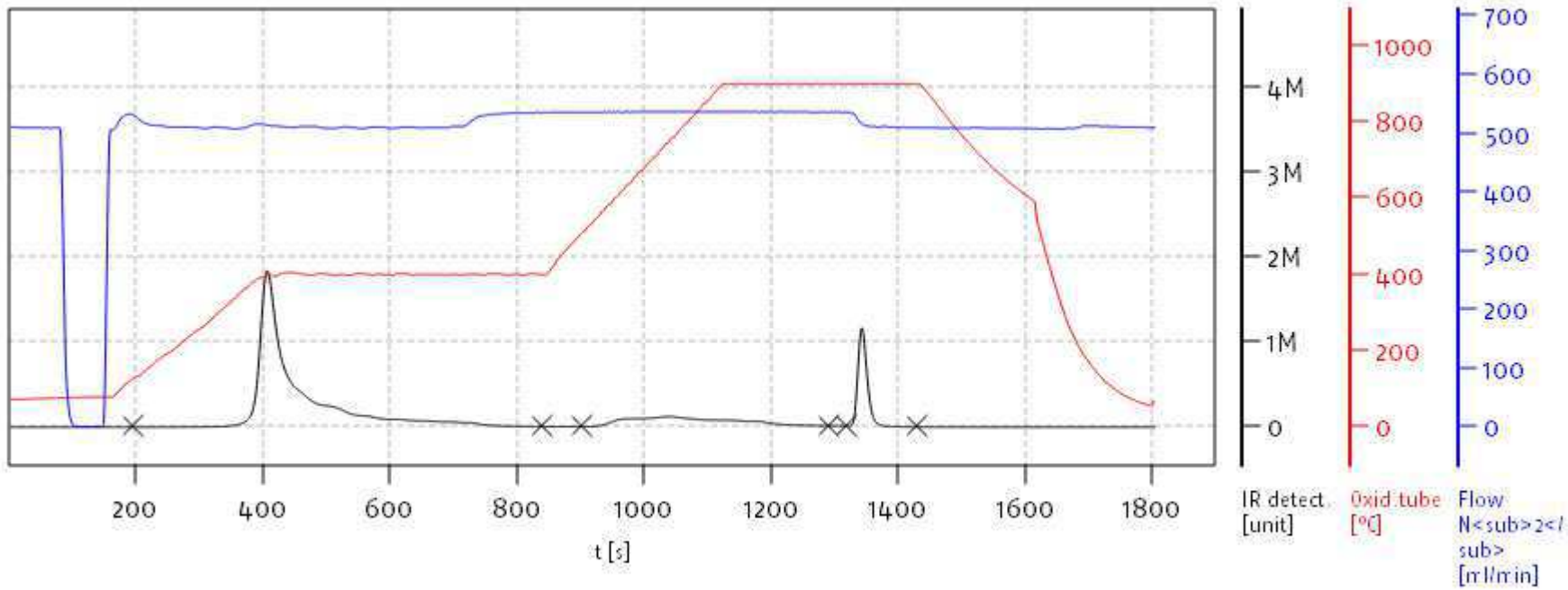
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22L0137-55	517.70		CARBON	12/17/2022 4:57 AM	bl	1.371	4 164 520	1.652	0.220	761 987	966 010	1.151	0.281	0.9304	1.0000



Name:

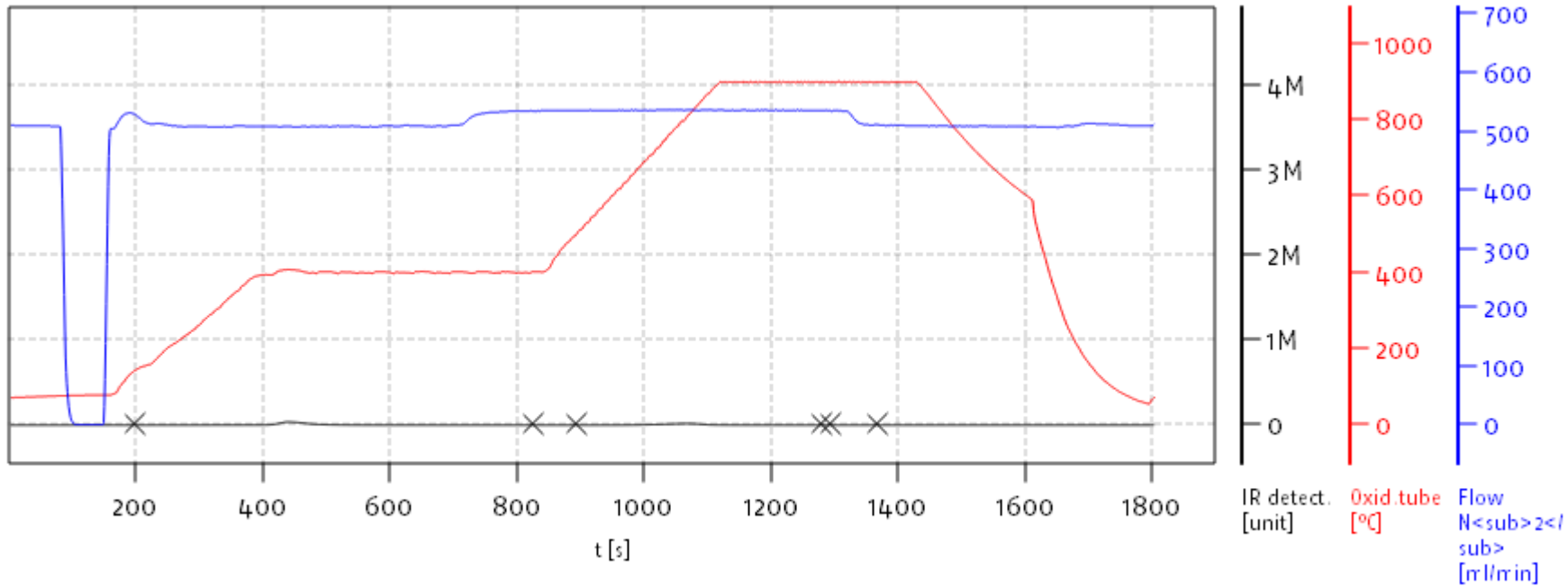
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	BKL0386-MRL1	556.30		CARBON	12/17/2022 5:27 AM	bl,C2u	0.013	78 541	0.019	0.000	158	47 997	0.013	0.006	0.9304	1.0000



Name:

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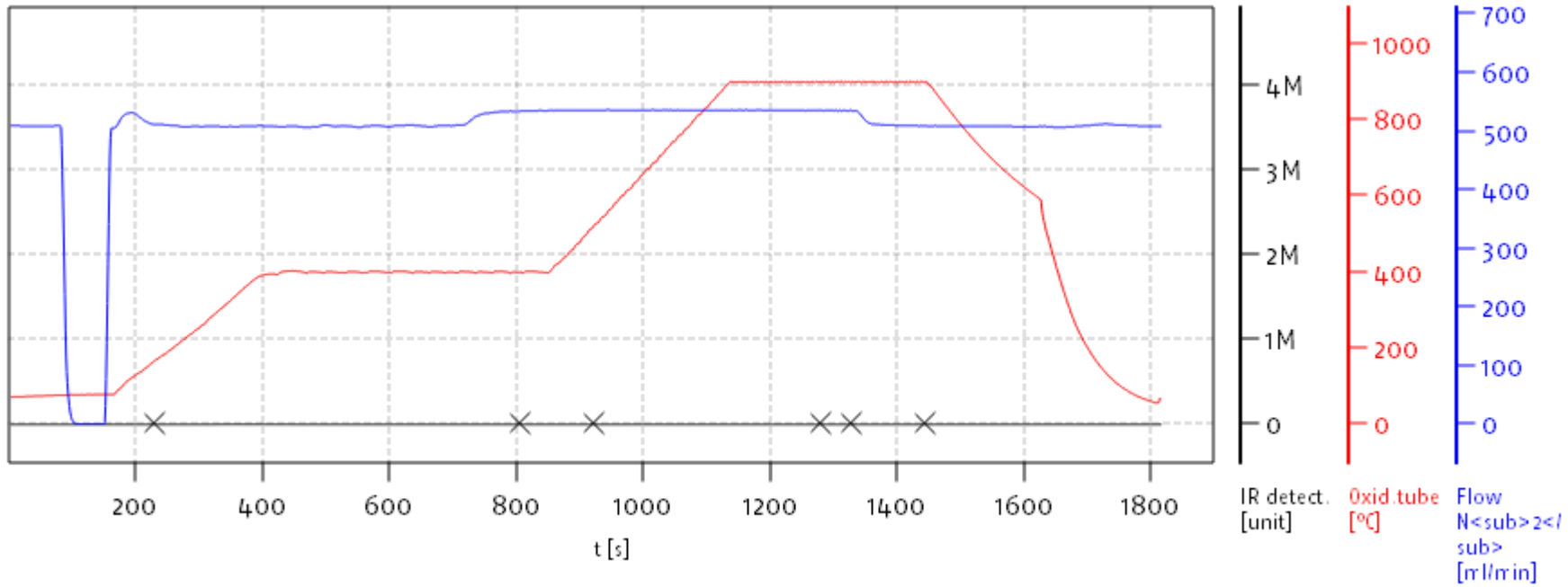
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	BKL0386-BLK1	550.40		CARBON	12/17/2022 5:58 AM	bl,C3u,C2u	0.000	7 098	0.000	0.000	242	959	0.000	0.000	0.9304	1.0000



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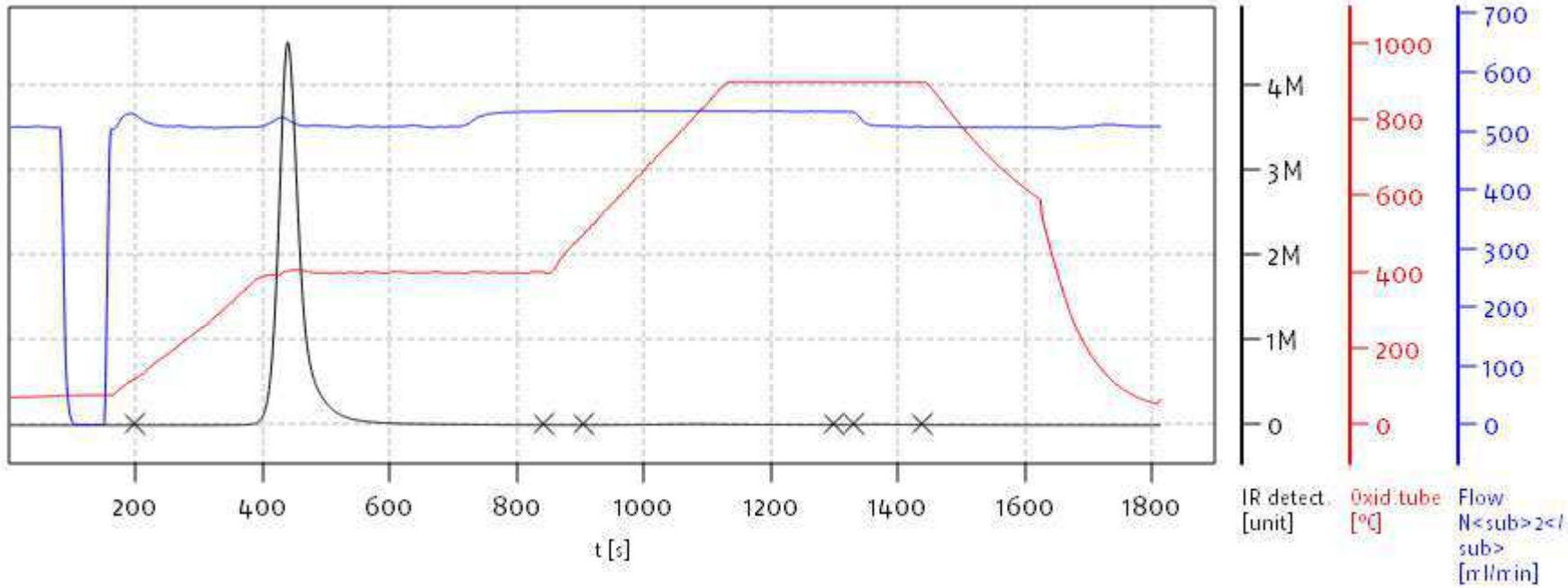
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	BKL0386-BS1	21.90		CARBON	12/17/2022 6:29 AM	bl	44.780	6 835 200	45.242	0.000	23 437	91 968	44.780	0.463	0.9304	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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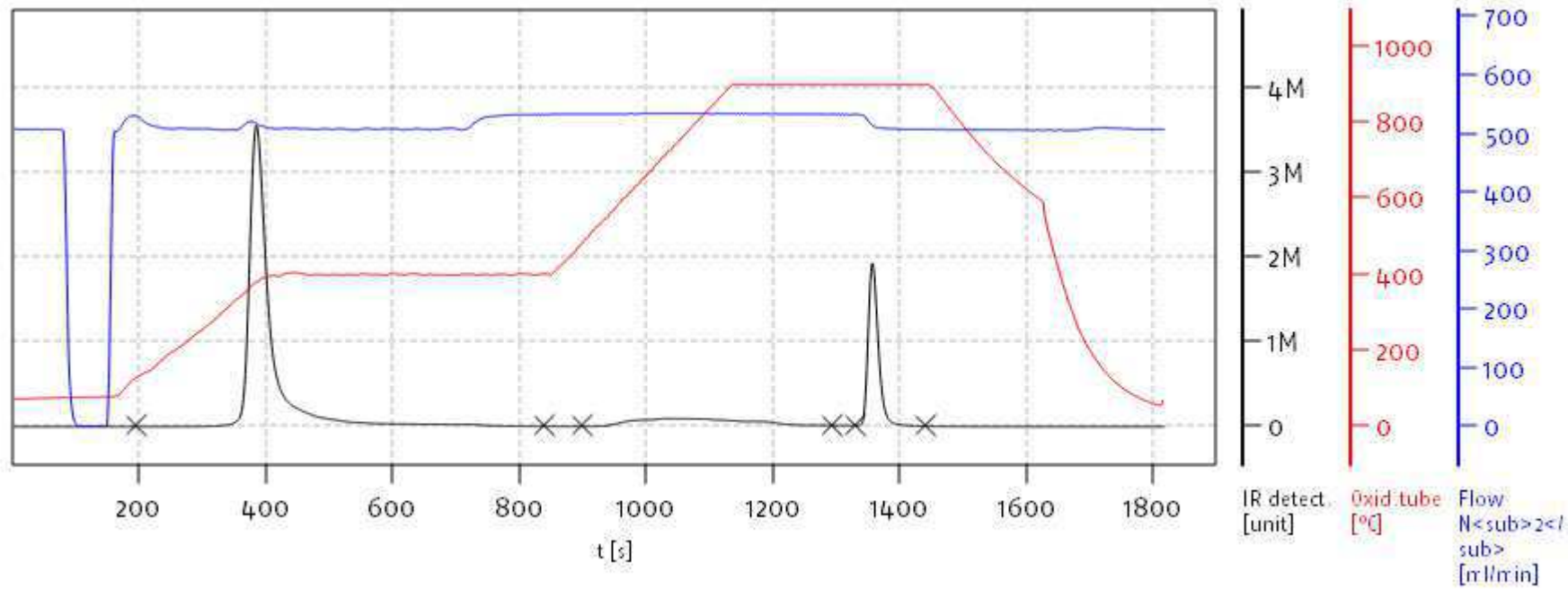
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	BKL0386-SRM1	309.60		CARBON	12/17/2022 6:59 AM	bl	2.990	5 004 870	3.378	0.674	1 374 220	803 032	2.316	0.388	0.9304	1.0000



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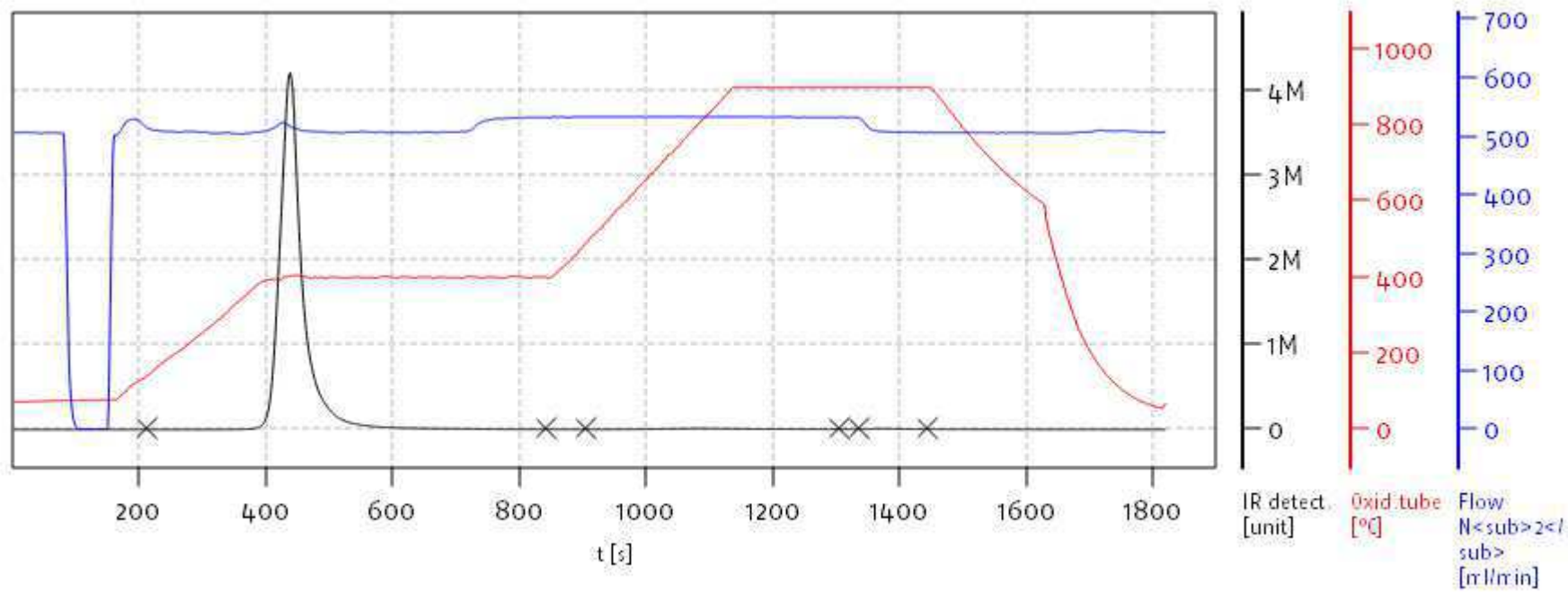
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0217-CCV3	21.00		CARBON	12/17/2022 7:30 AM	bl	44.234	6 475 480	44.712	0.002	26 816	91 418	44.232	0.478	0.9304	1.0000



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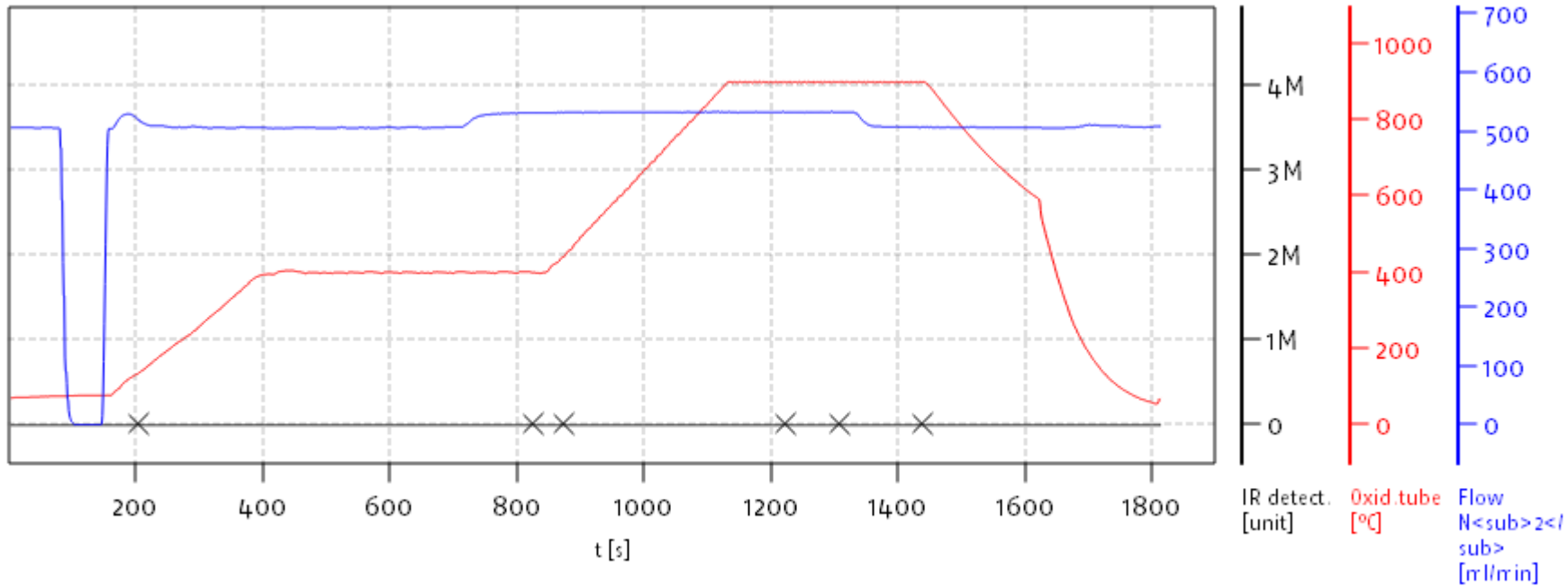
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 121622 DOE from: 12/21/2022 7:31 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0217-CCB3	539.60		CARBON	12/17/2022 8:01 AM	bl,C3u,C2u	0.000	4 041	0.000	0.000	328	1 620	0.000	0.000	0.9304	1.0000



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Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

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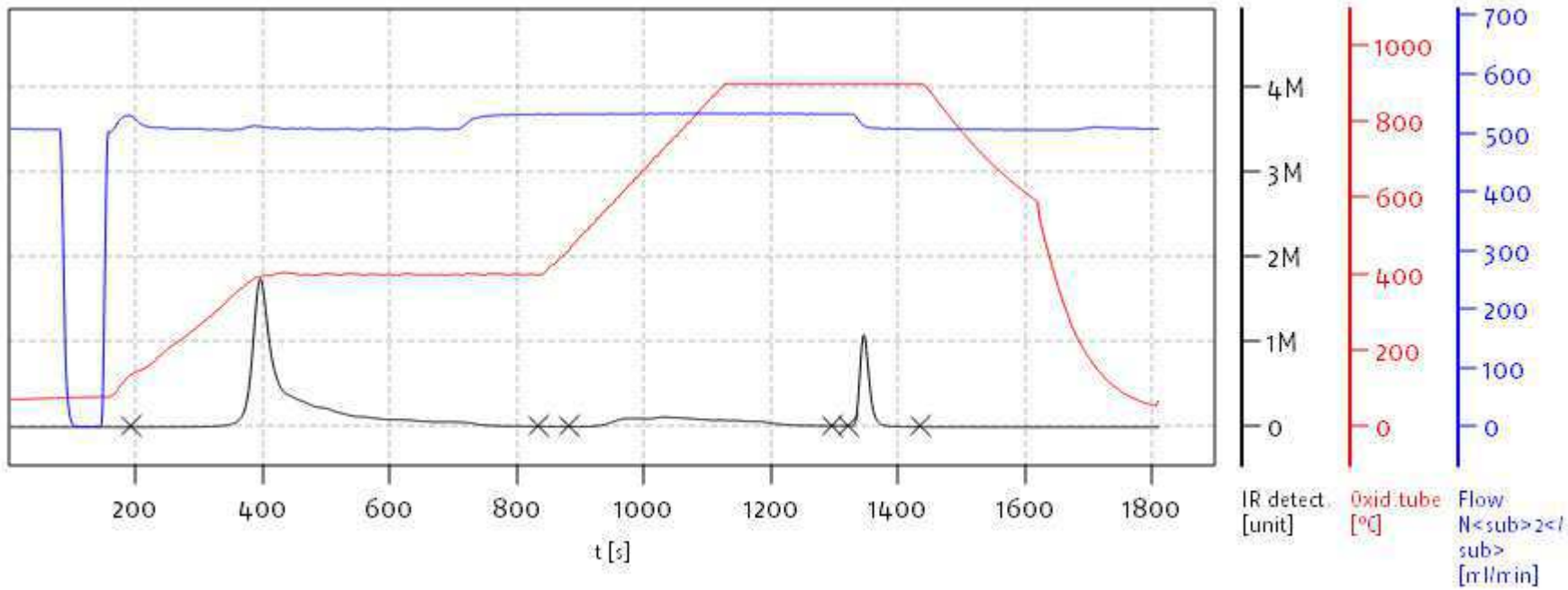
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22L0137-56	502.10		CARBON	12/17/2022 8:31 AM	bl	1.330	3 915 680	1.619	0.214	721 581	963 218	1.116	0.289	0.9304	1.0000



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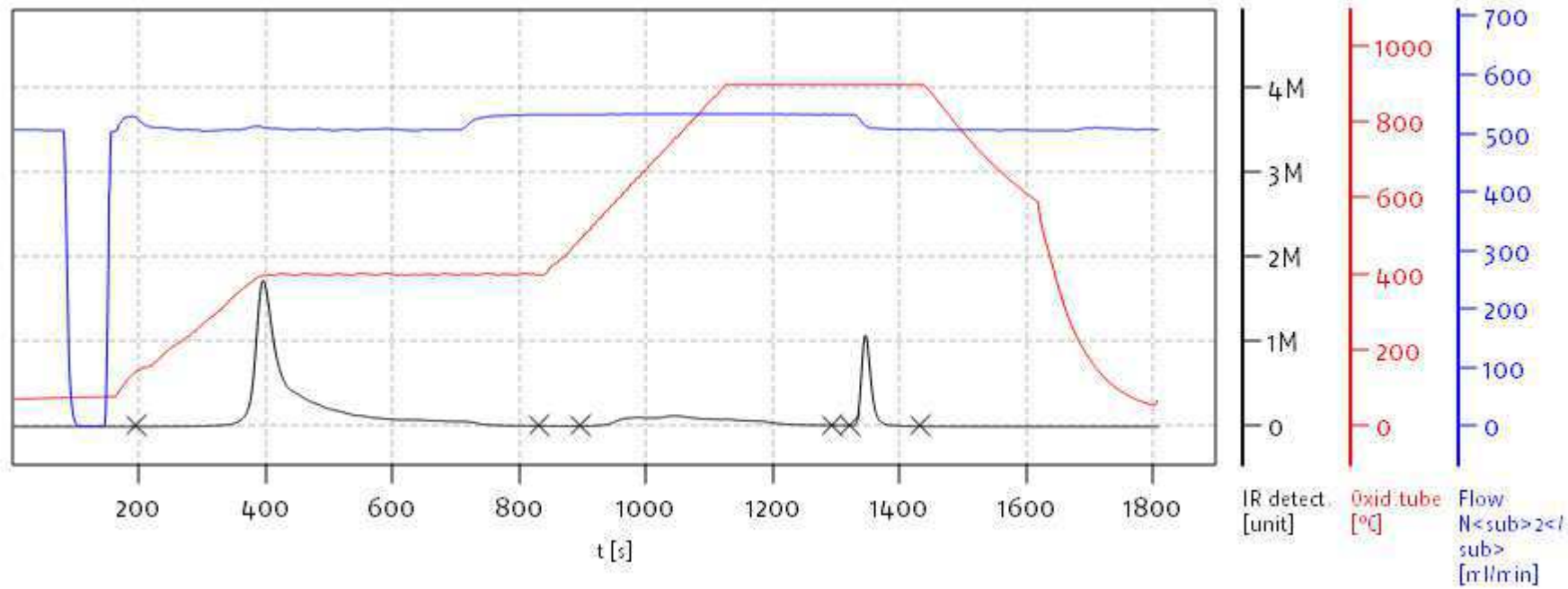
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	BKL0386-DUP1	510.90		CARBON	12/17/2022 9:02 AM	bl	1.357	4 081 220	1.646	0.214	733 899	980 242	1.143	0.289	0.9304	1.0000



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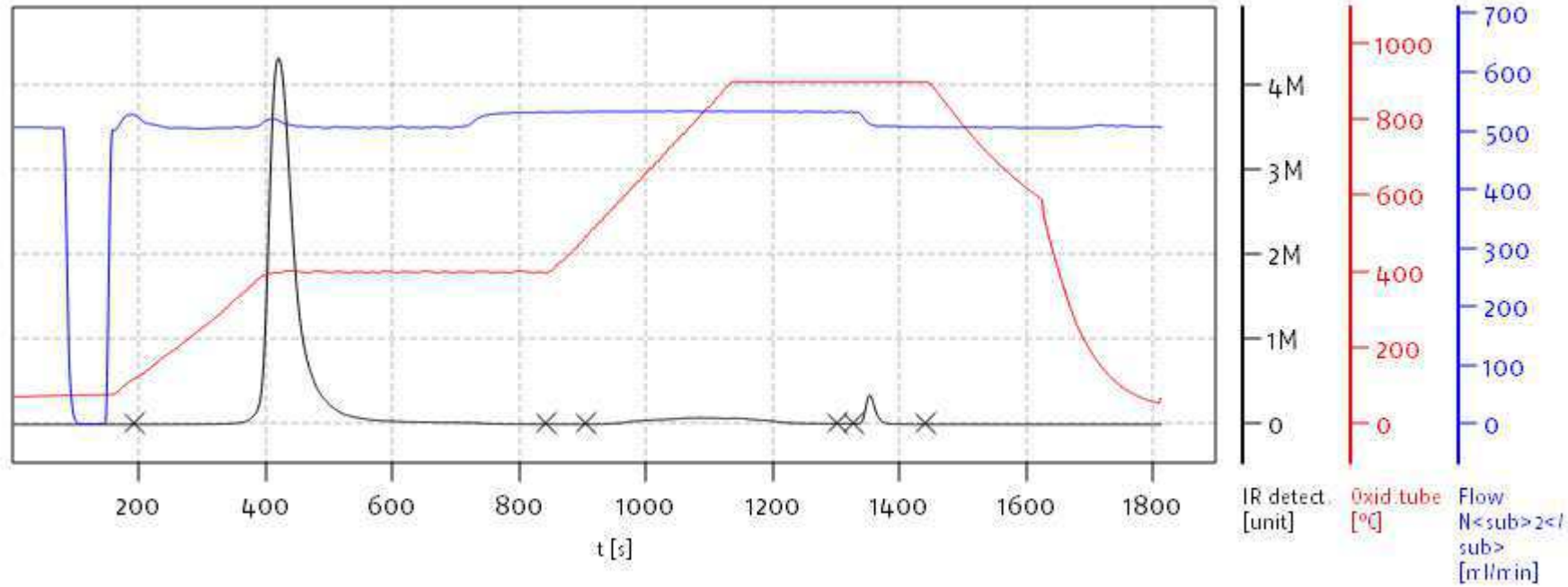
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	BKL0386-MS1	532.30	0.0082	CARBON	12/17/2022 9:32 AM	bl	2.206	7 955 870	2.377	0.061	235 497	612 496	2.146	0.170	0.9304	1.0000



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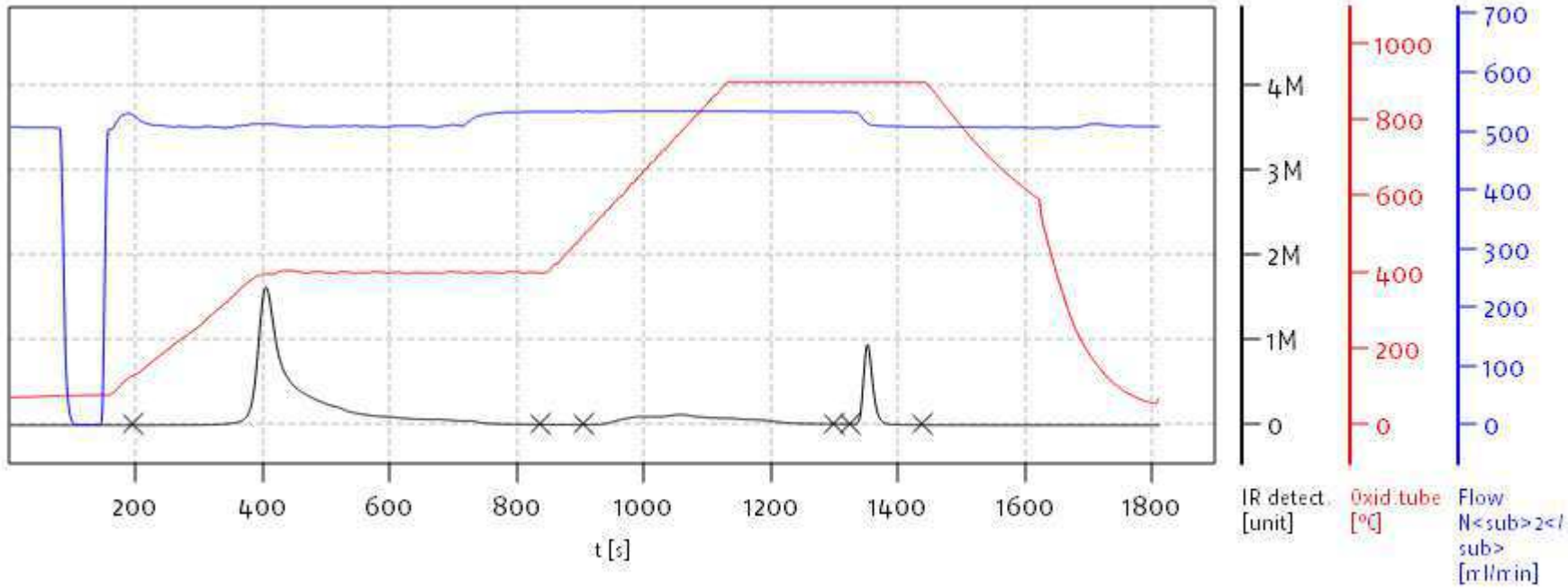
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	22L0137-57	513.00		CARBON	12/17/2022 10:03 AM	bl	1.307	4 043 250	1.579	0.180	621 822	927 707	1.128	0.272	0.9304	1.0000



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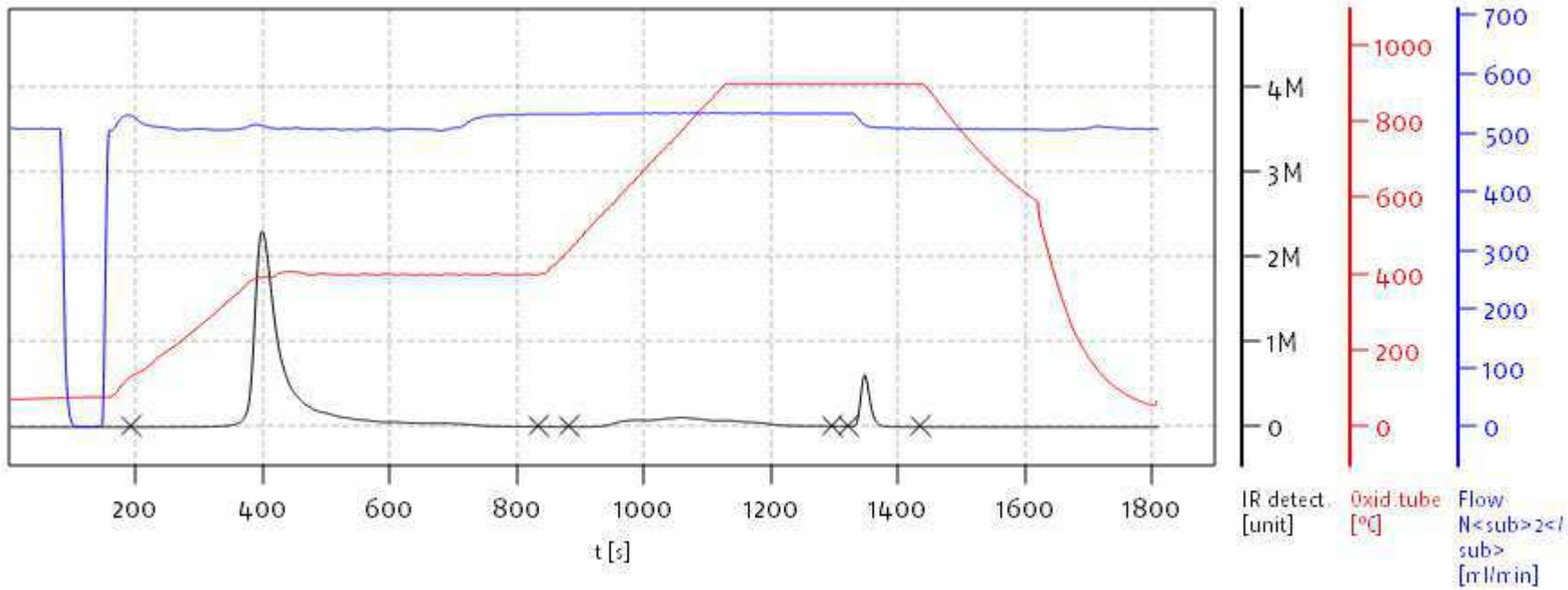
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	22L0137-58	513.60		CARBON	12/17/2022 10:34 AM	bl	1.363	4 484 360	1.600	0.113	401 110	812 730	1.250	0.237	0.9304	1.0000



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Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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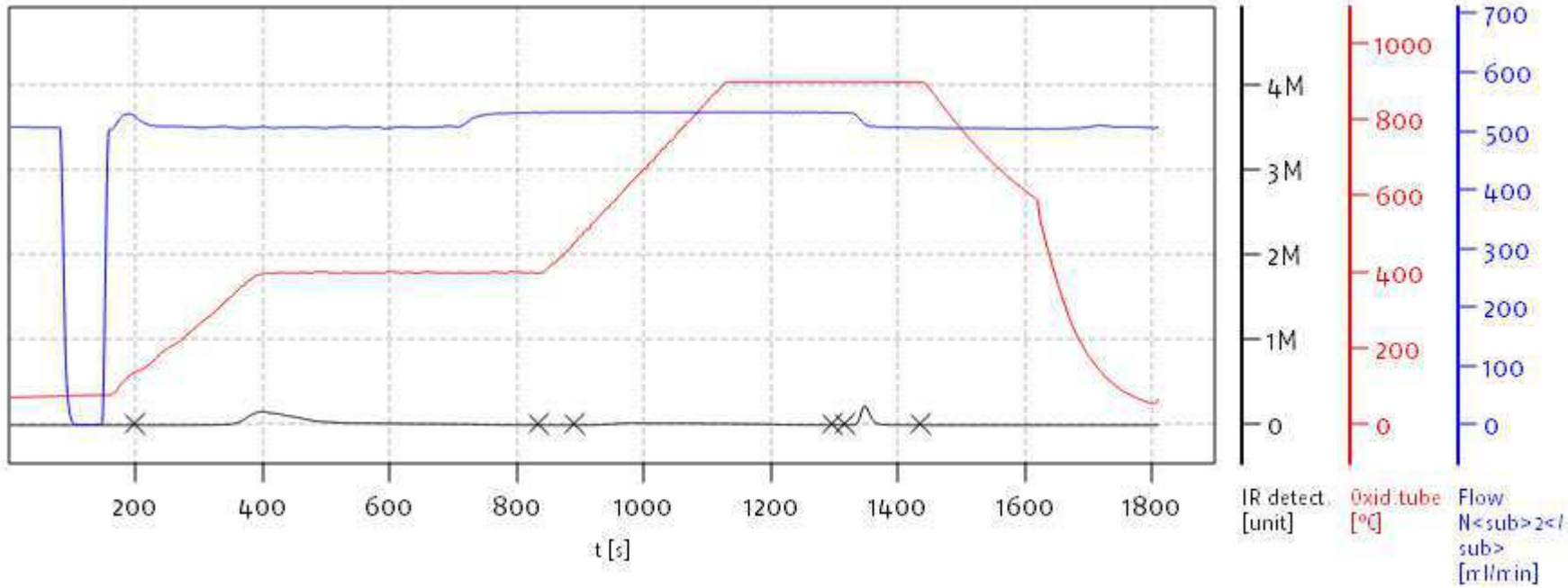
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	22L0137-59	155.60		CARBON	12/17/2022 11:04 AM	bl	0.761	713 922	0.928	0.124	151 521	195 089	0.636	0.168	0.9304	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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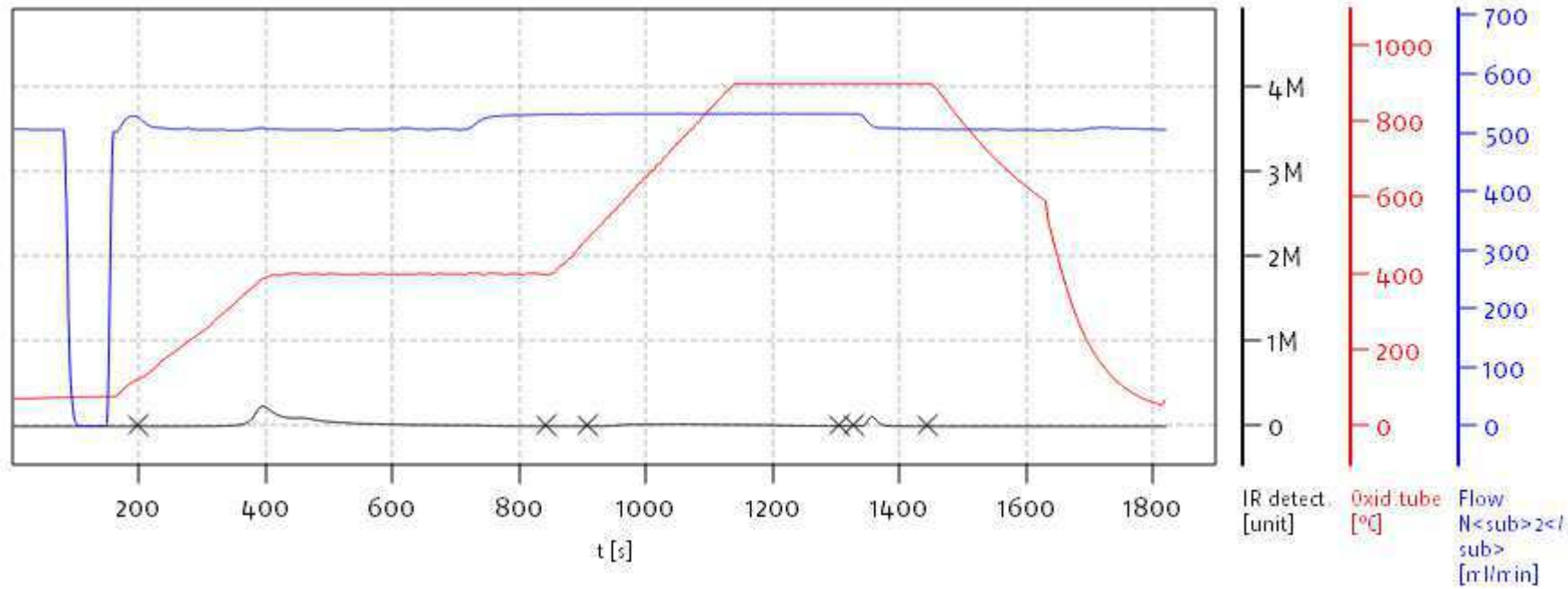
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	22L0137-60	153.60		CARBON	12/17/2022 11:35 AM	bl	0.810	831 164	1.010	0.056	81 891	224 553	0.755	0.200	0.9304	1.0000



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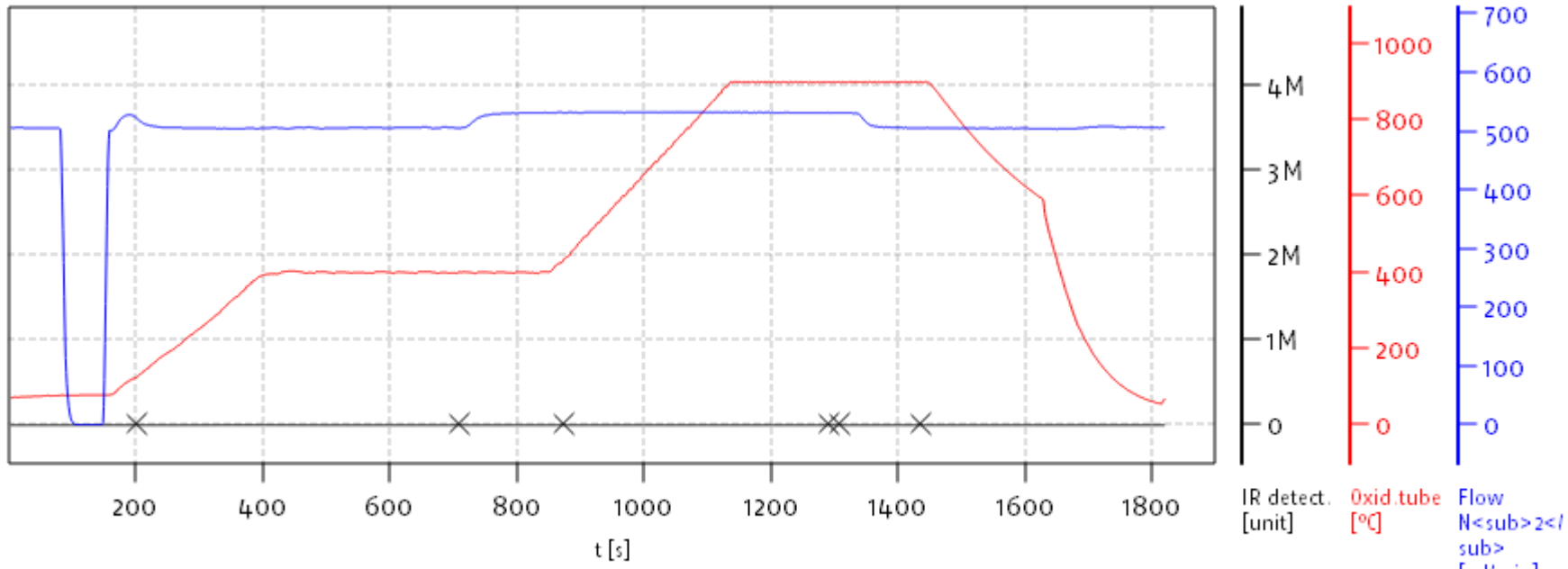
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/17/2022 12:06 PM	bl	0.000	6 316	0.000	0.000	167	474	0.000	0.000	0.9304	1.0000



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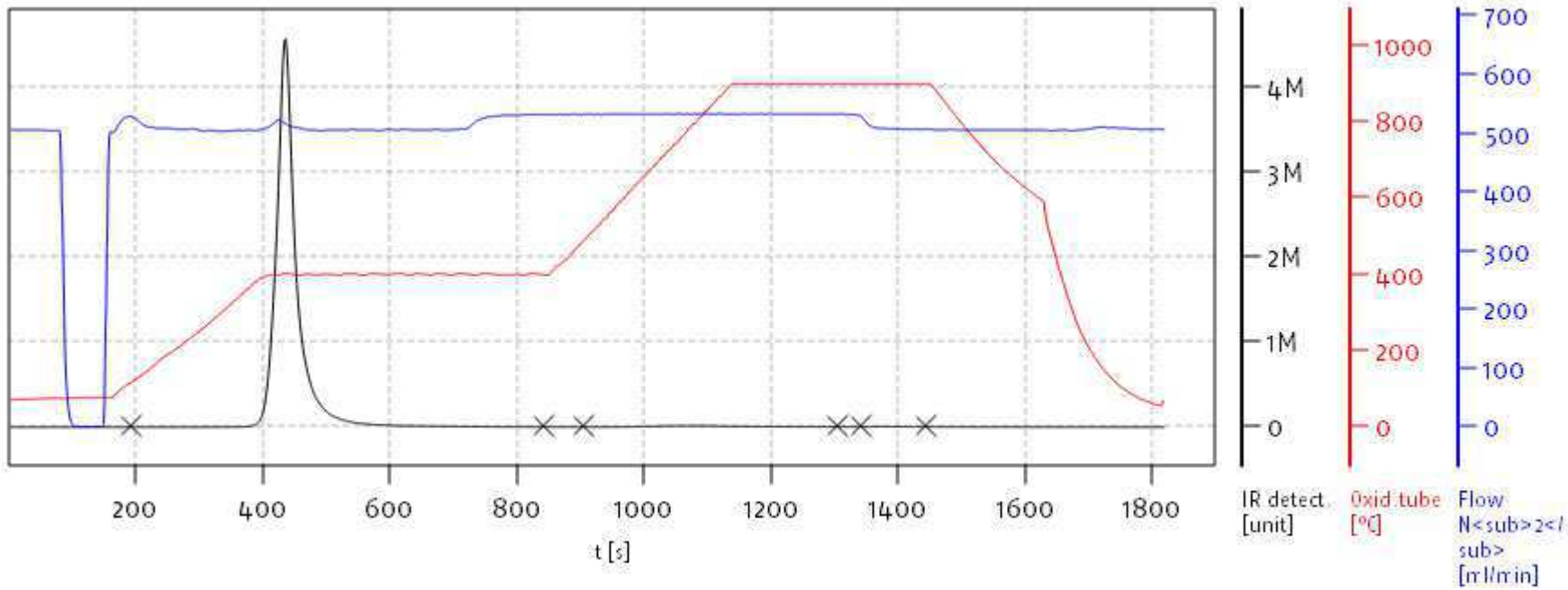
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	20.00		CARBON	12/17/2022 12:36 PM	bl	44.446	6 225 820	45.086	0.000	19 678	109 236	44.446	0.640	0.9263	1.0000



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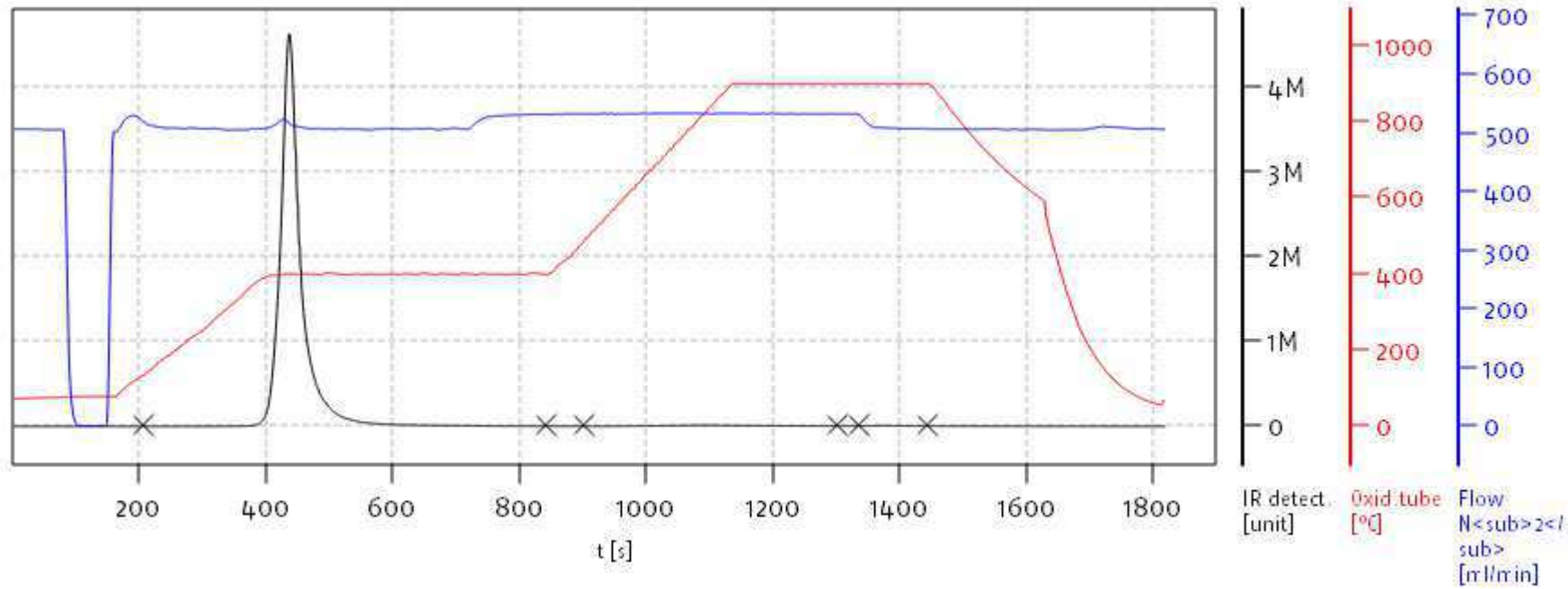
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	20.70		CARBON	12/17/2022 1:07 PM	bl	44.446	6 442 430	44.976	0.000	22 795	97 508	44.446	0.531	0.9263	1.0000



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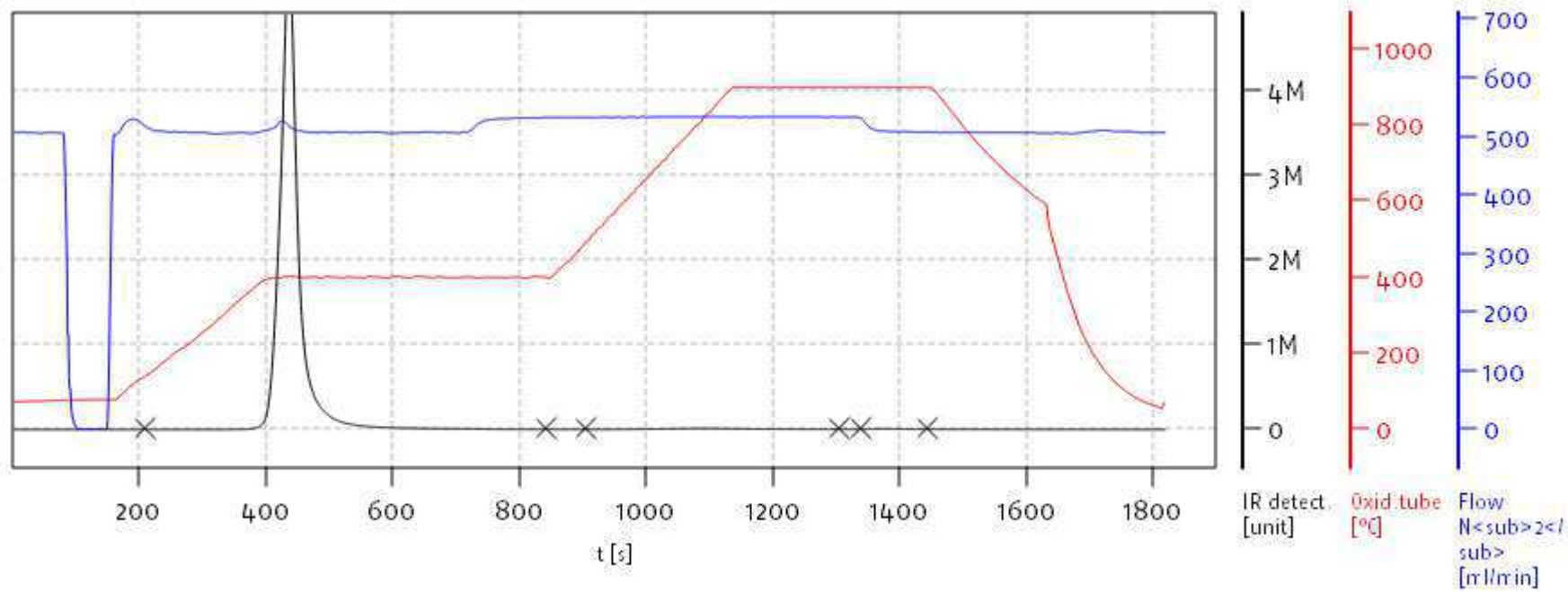
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0217-CCV4	21.90		CARBON	12/17/2022 1:38 PM	bl	44.959	6 893 040	45.411	0.000	22 747	90 461	44.959	0.452	0.9263	1.0000



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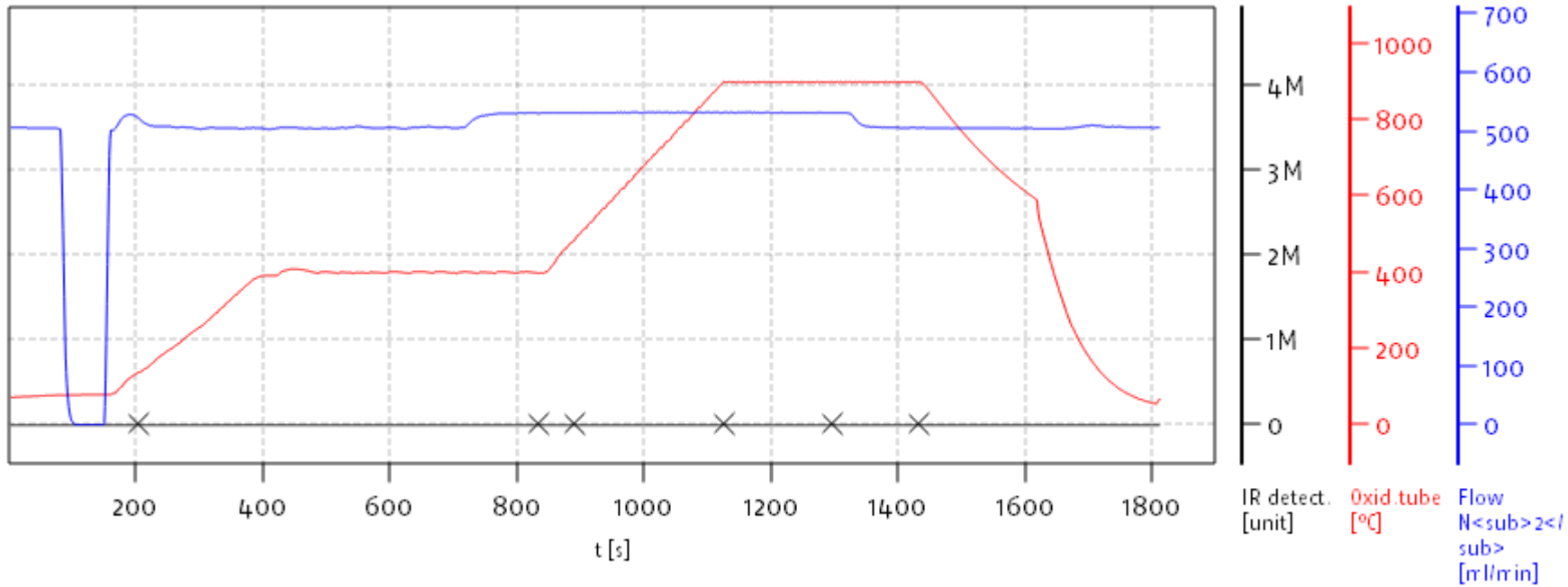
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0217-CCB4	500.30		CARBON	12/17/2022 2:08 PM	bl,C3u,C2u	0.000	4 195	0.000	0.000	482	400	0.000	0.000	0.9263	1.0000



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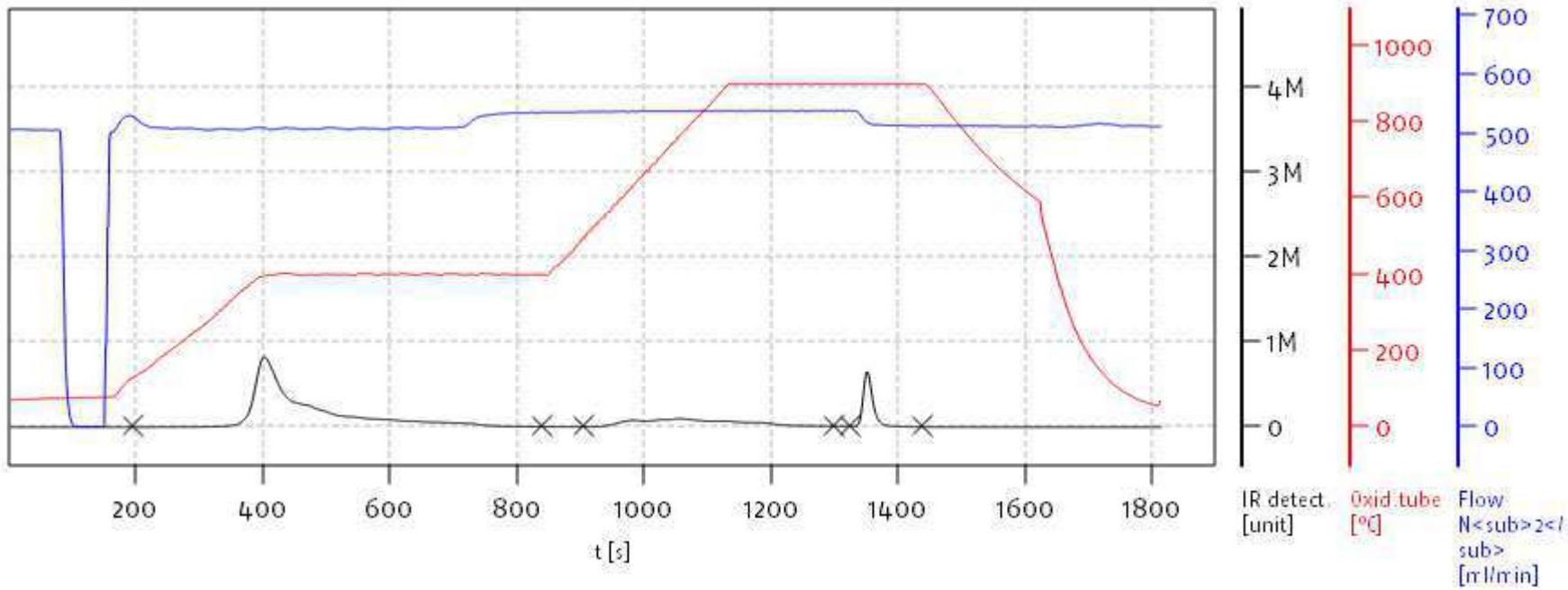
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22L0137-61	530.30		CARBON	12/17/2022 2:39 PM	bl	0.852	2 730 290	1.064	0.121	442 041	750 746	0.731	0.211	0.9263	1.0000



Name:

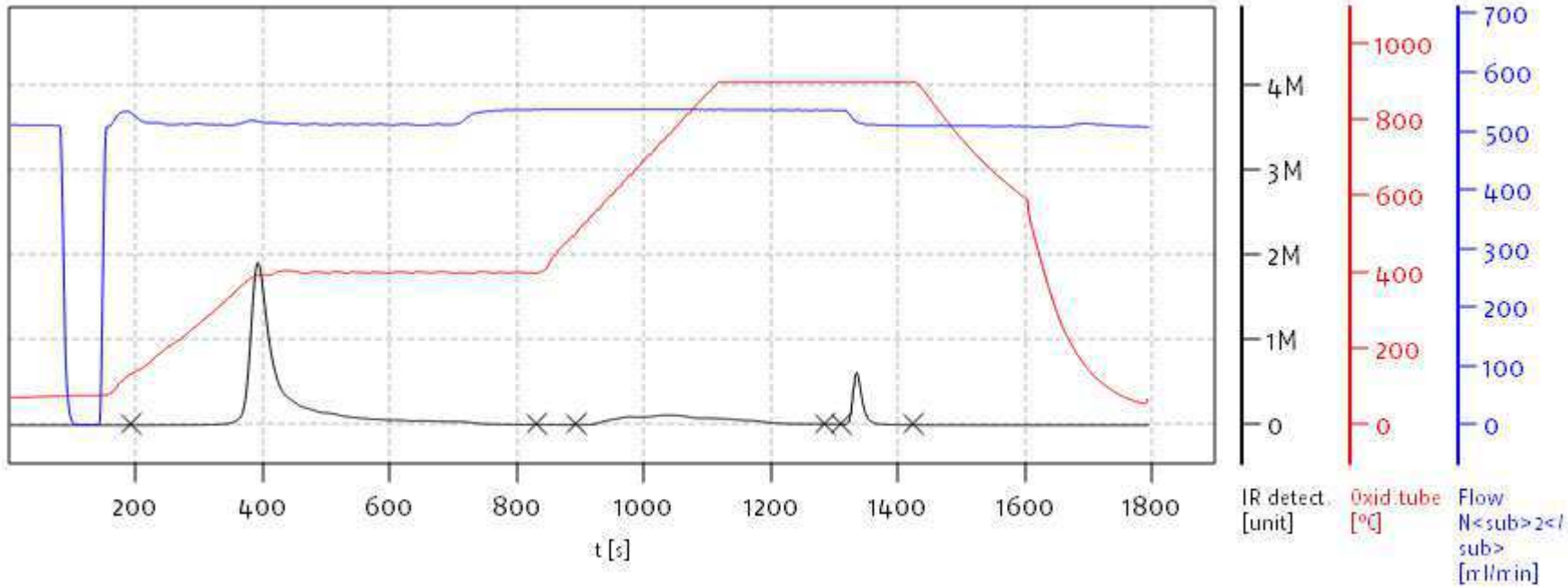
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	22L0137-62	524.40		CARBON	12/17/2022 3:09 PM	bl	1.115	3 692 440	1.367	0.113	407 967	881 195	1.002	0.252	0.9263	1.0000



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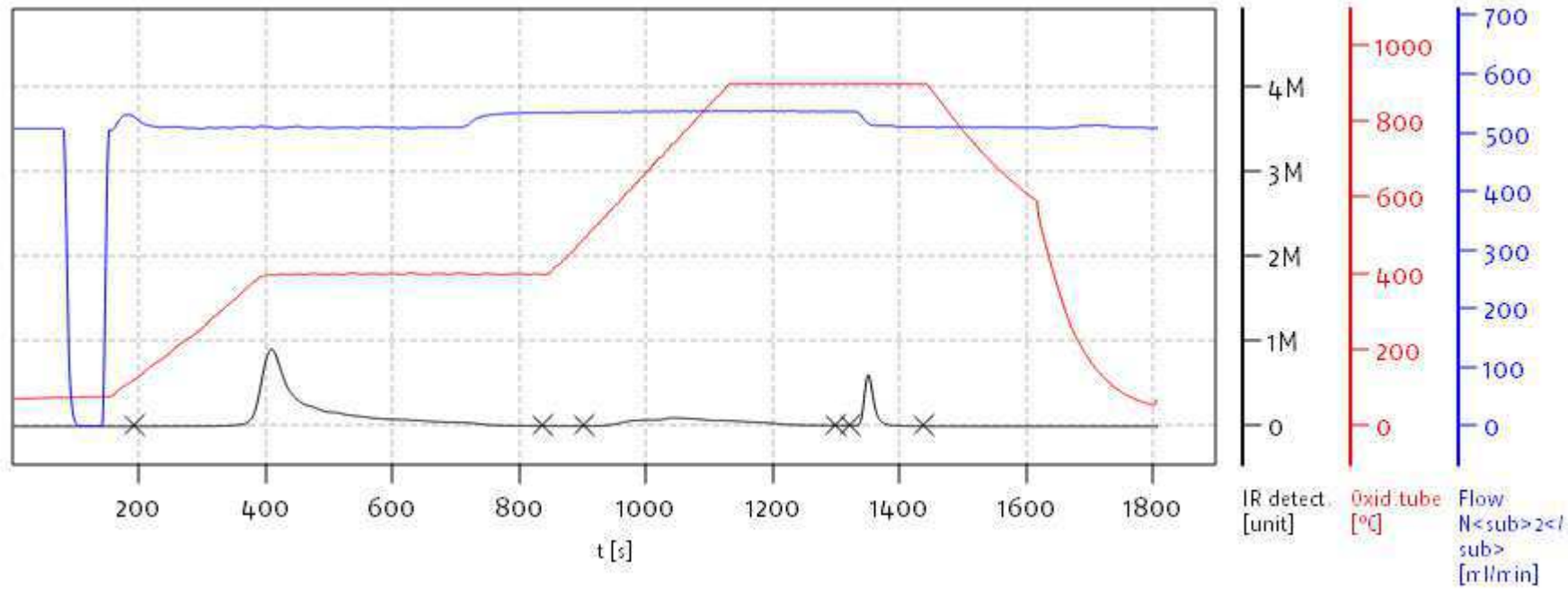
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	22L0137-63	525.90		CARBON	12/17/2022 3:40 PM	bl	0.862	2 773 120	1.070	0.113	411 815	733 204	0.749	0.208	0.9263	1.0000



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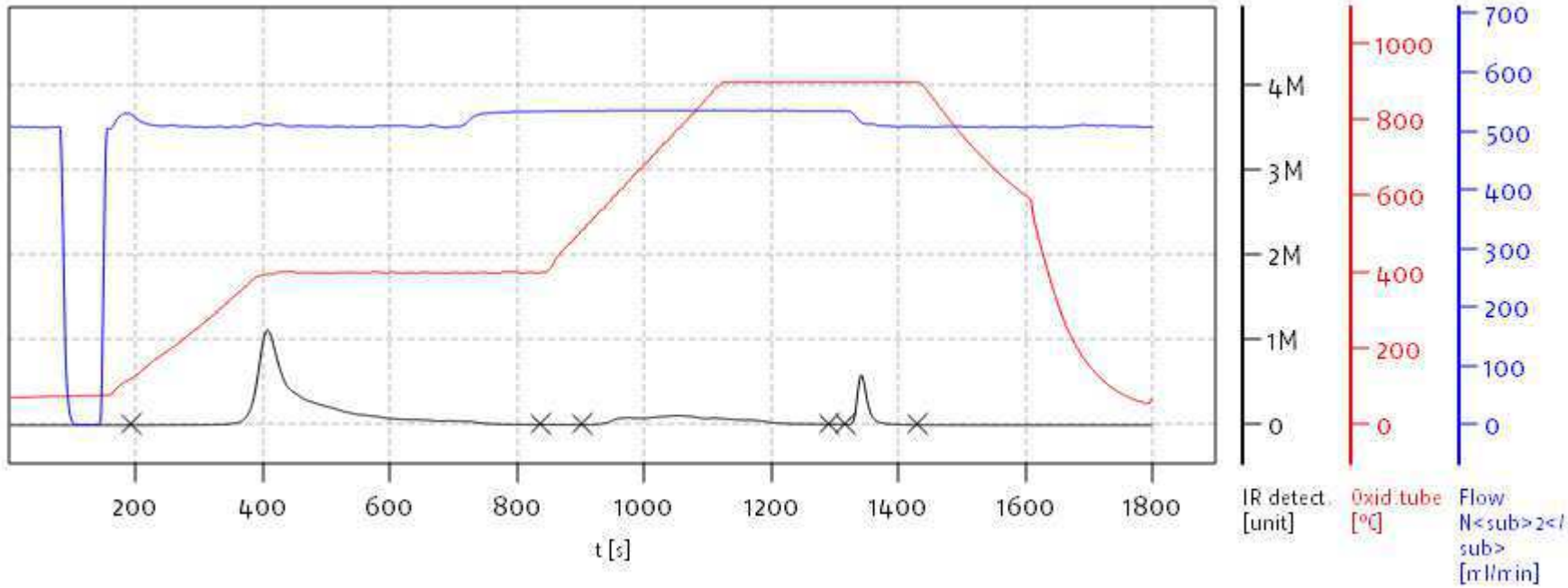
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22L0137-64	534.50		CARBON	12/17/2022 4:10 PM	bl	0.979	3 241 530	1.214	0.116	427 563	840 653	0.863	0.236	0.9263	1.0000



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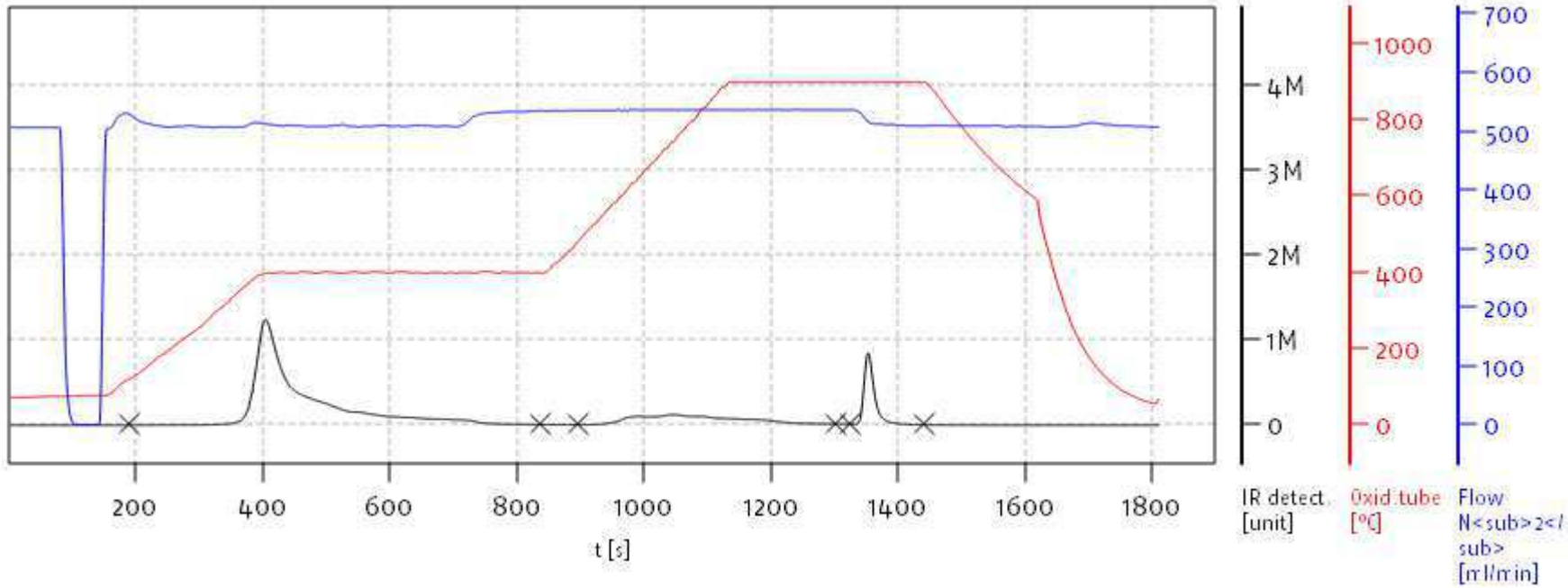
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	22L0137-65	521.00		CARBON	12/17/2022 4:41 PM	bl	1.210	3 780 470	1.481	0.177	620 711	938 190	1.033	0.271	0.9263	1.0000



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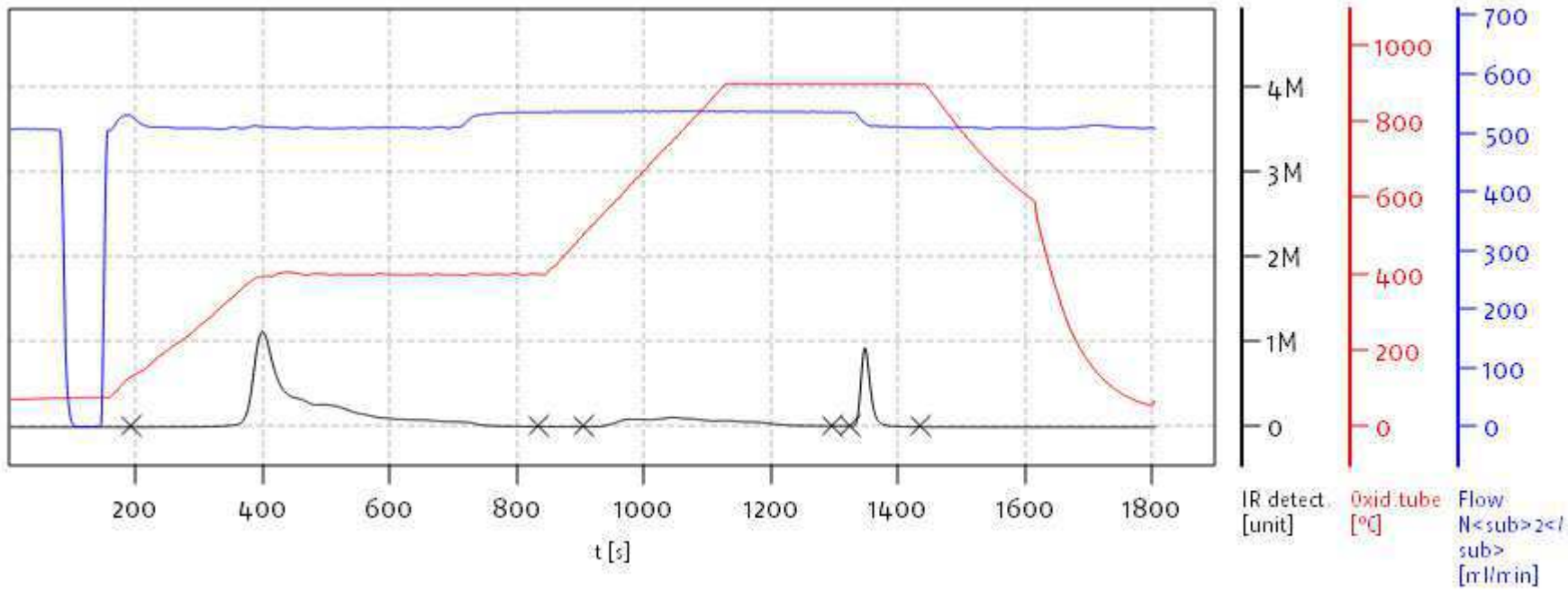
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	22L0137-66	518.80		CARBON	12/17/2022 5:11 PM	bl	1.149	3 538 950	1.396	0.179	625 191	853 977	0.971	0.247	0.9263	1.0000



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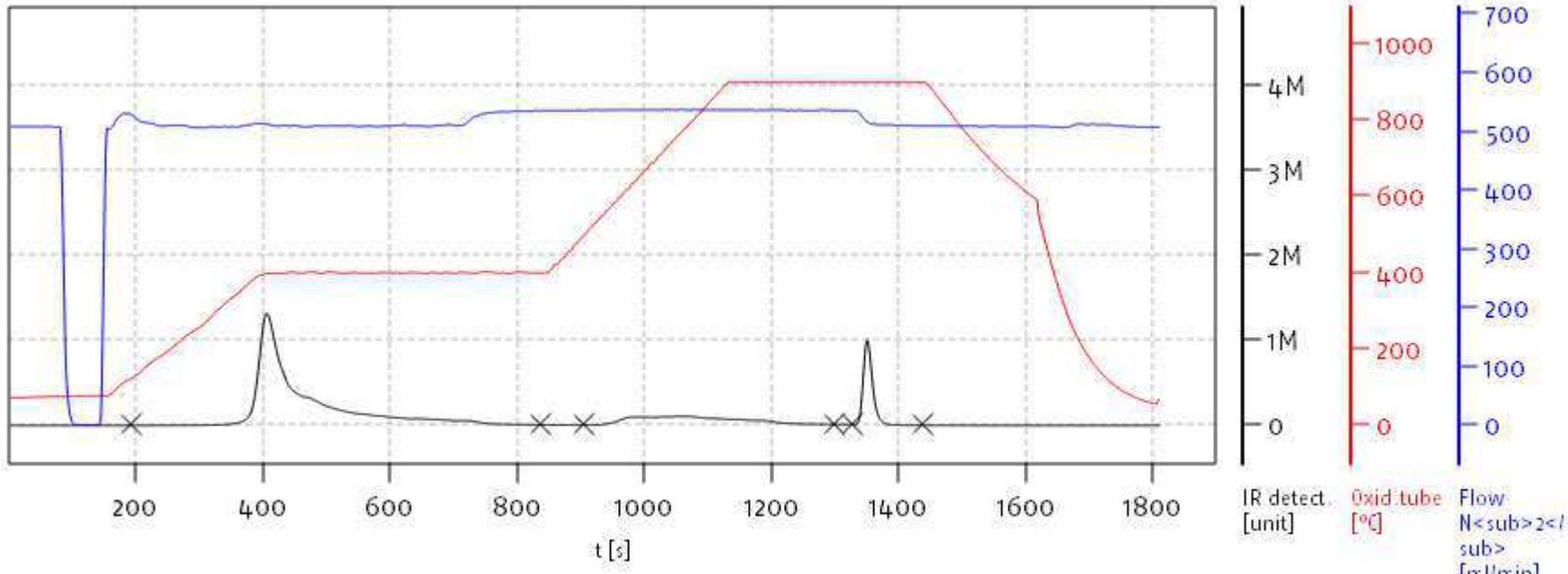
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	22L0137-67	509.30		CARBON	12/17/2022 5:42 PM	bl	1.195	3 597 610	1.456	0.189	649 618	884 798	1.005	0.261	0.9263	1.0000



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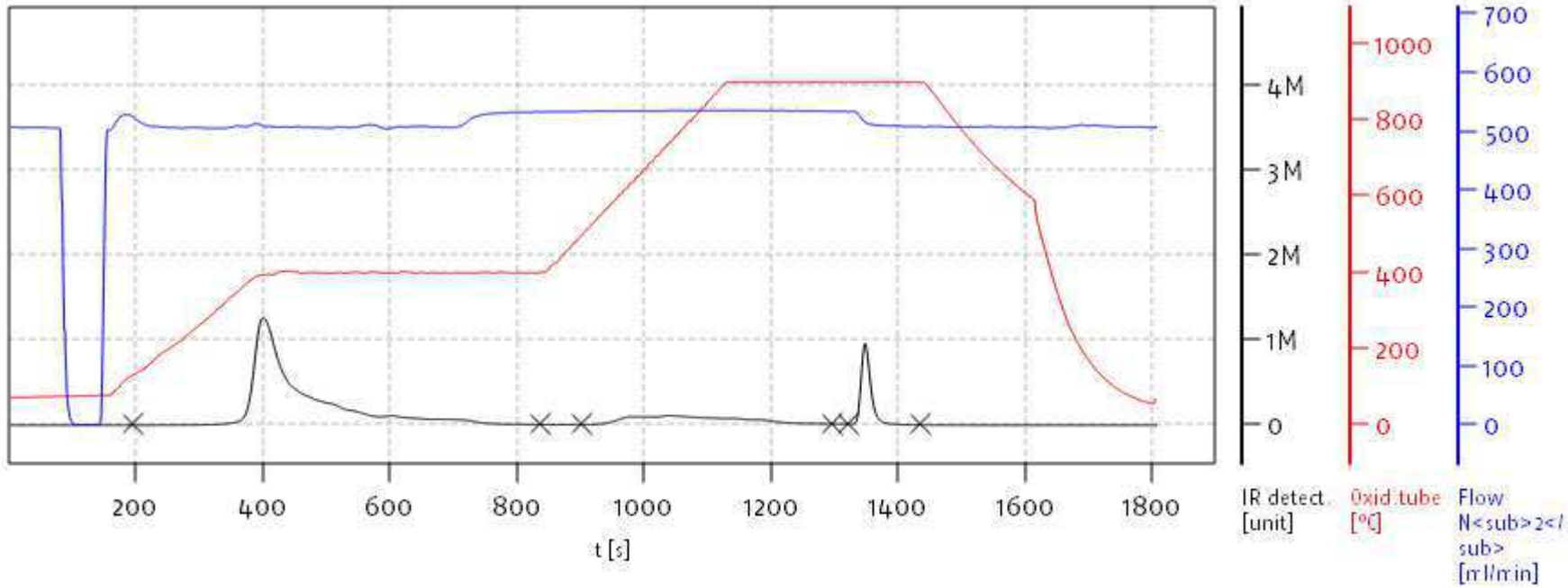
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	22L0137-68	506.20		CARBON	12/17/2022 6:12 PM	bl	1.303	3 953 220	1.577	0.191	650 444	920 580	1.112	0.273	0.9263	1.0000



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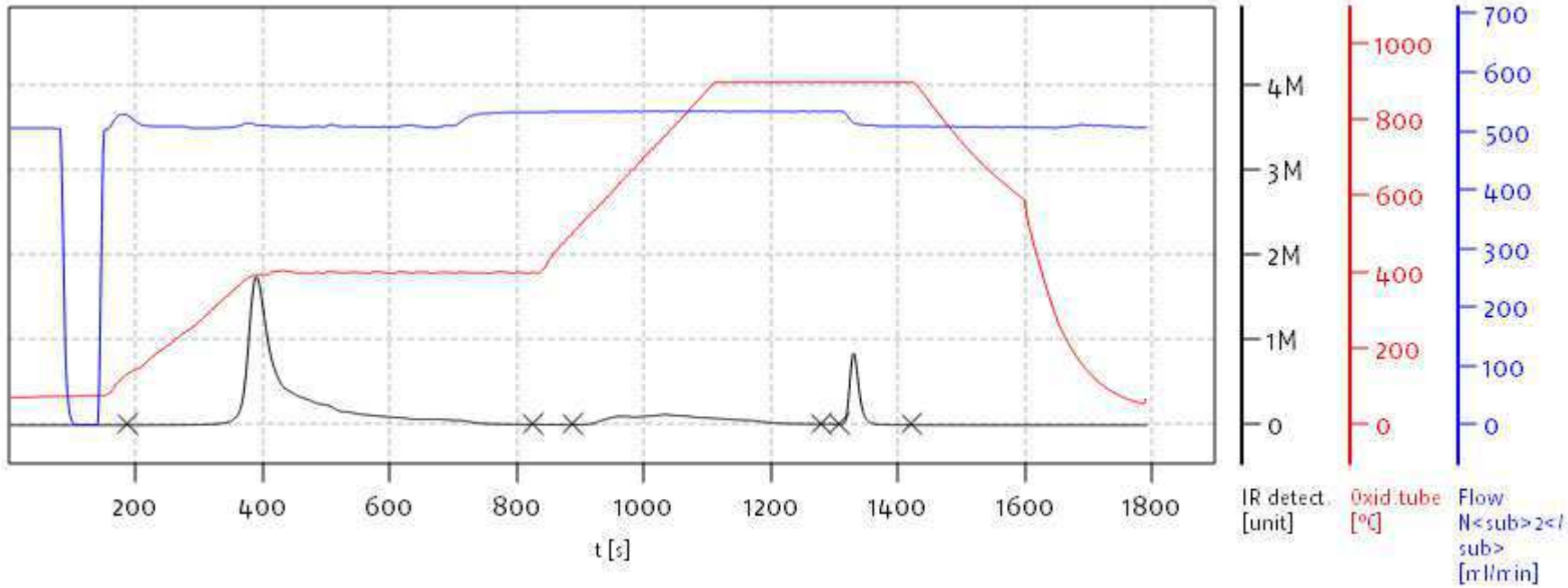
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0137-69	525.50		CARBON	12/17/2022 6:43 PM	bl	1.328	4 321 100	1.599	0.156	556 453	945 045	1.172	0.271	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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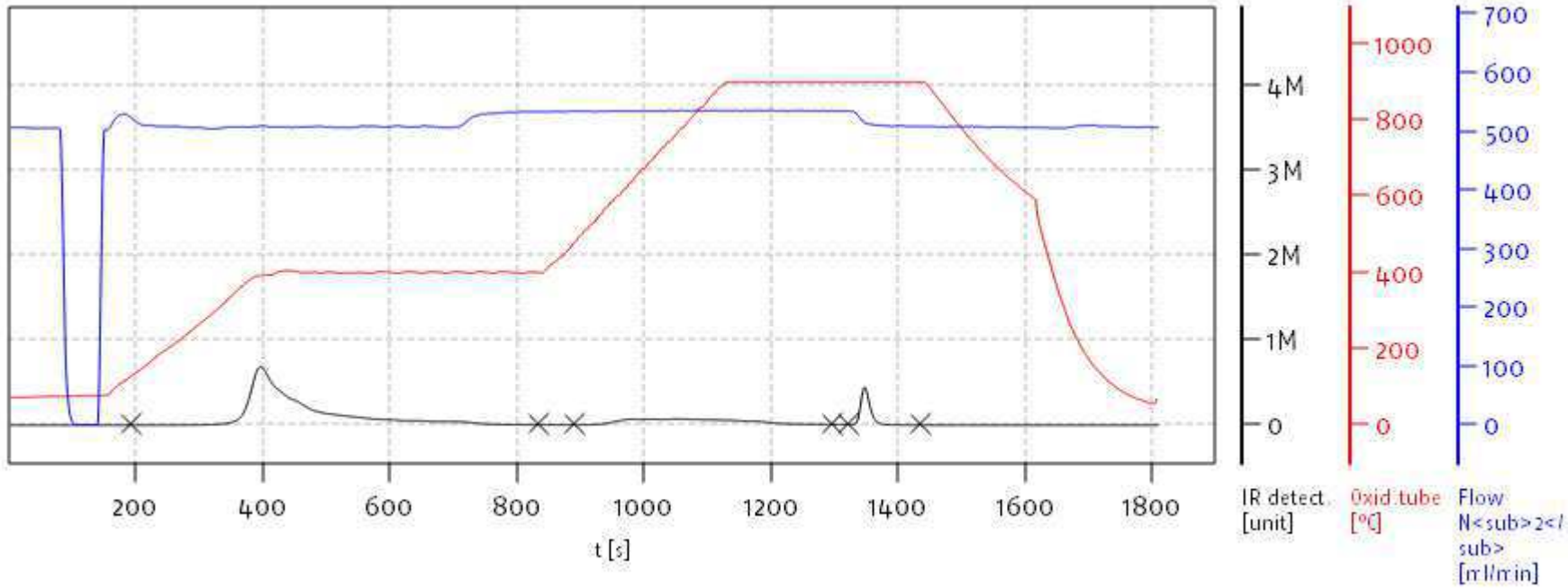
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	22L0155-01	518.60		CARBON	12/17/2022 7:13 PM	bl	0.743	2 427 300	0.925	0.079	291 226	637 882	0.664	0.182	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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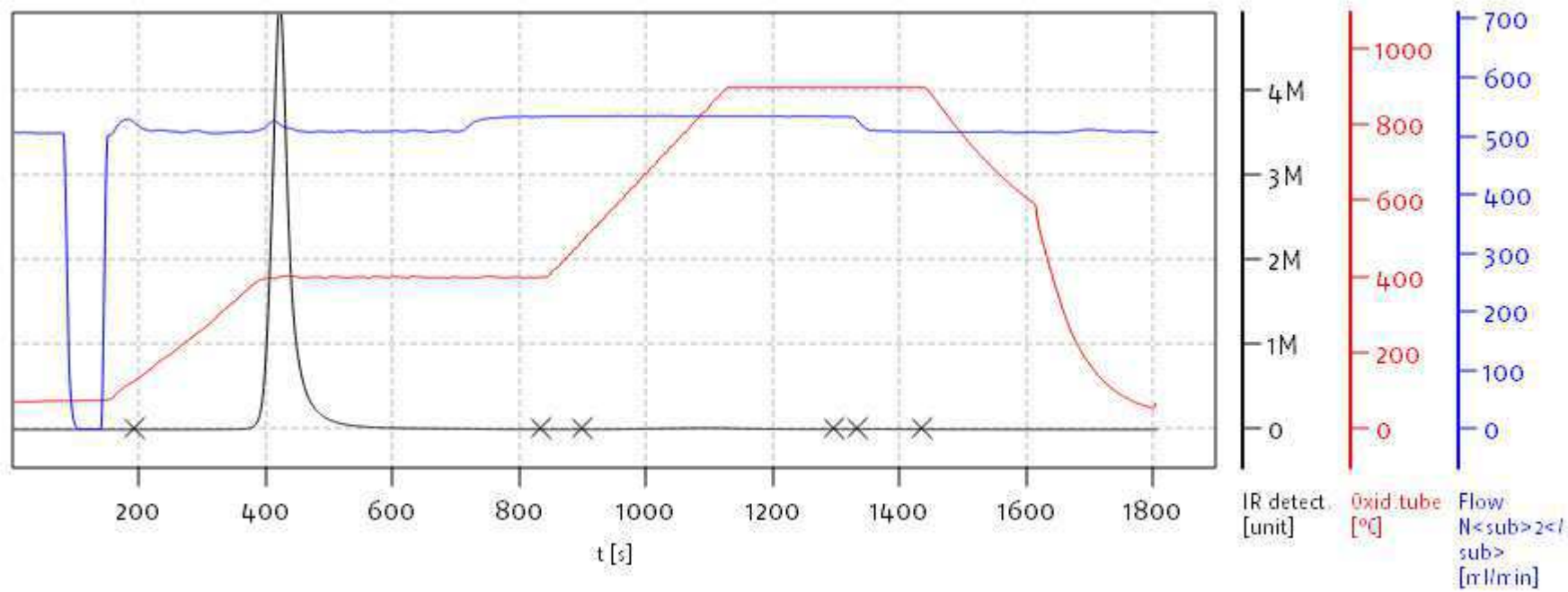
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0217-CCV5	20.70		CARBON	12/17/2022 7:44 PM	bl	44.500	6 450 530	45.191	0.000	15 008	118 845	44.500	0.690	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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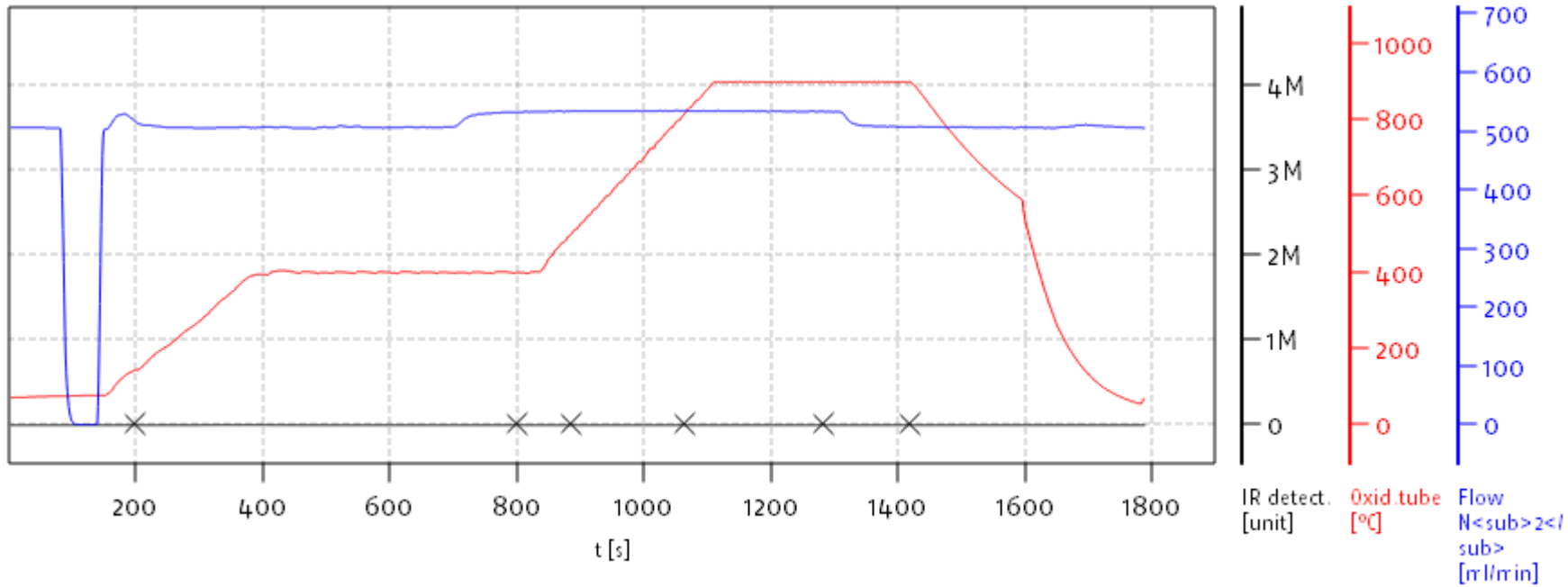
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0217-CCB5	519.20		CARBON	12/17/2022 8:14 PM	bl,C3u,C2u	0.000	9 330	0.000	0.000	366	20	0.000	0.000	0.9263	1.0000



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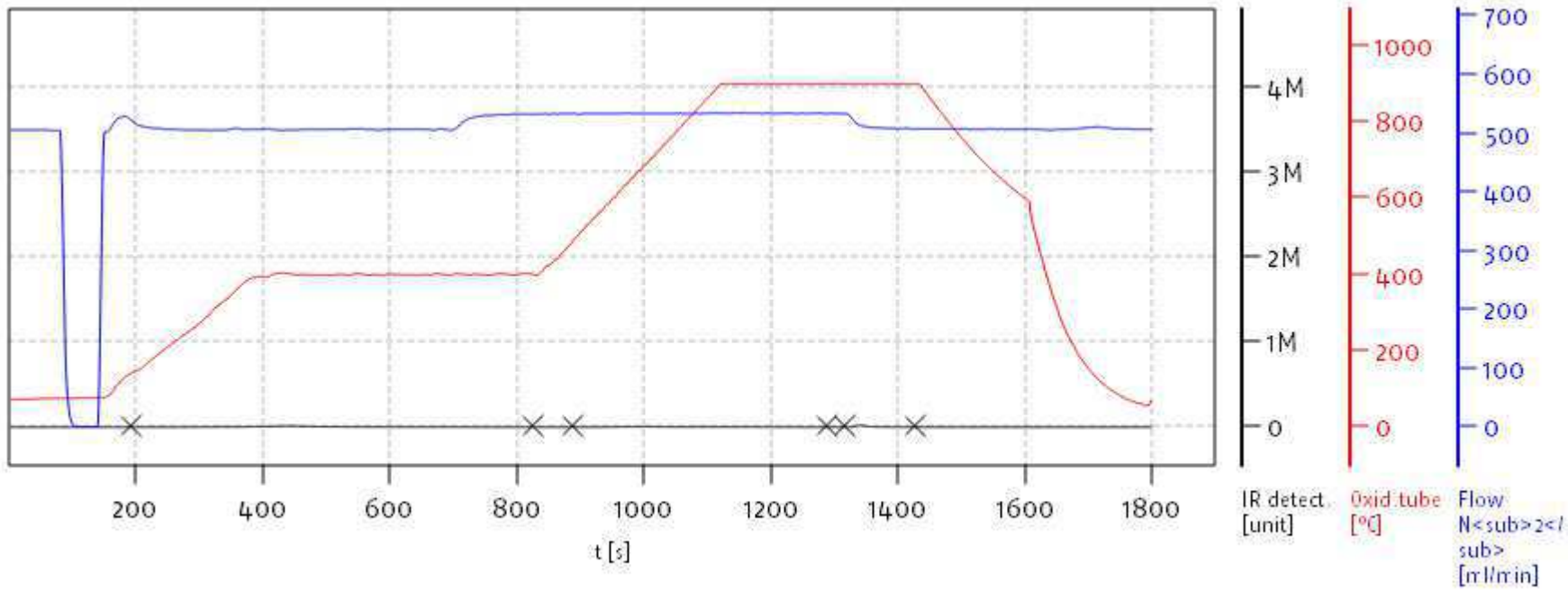
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	22L0155-02	510.00		CARBON	12/17/2022 8:44 PM	bl	0.012	70 711	0.014	0.000	18 208	33 244	0.012	0.002	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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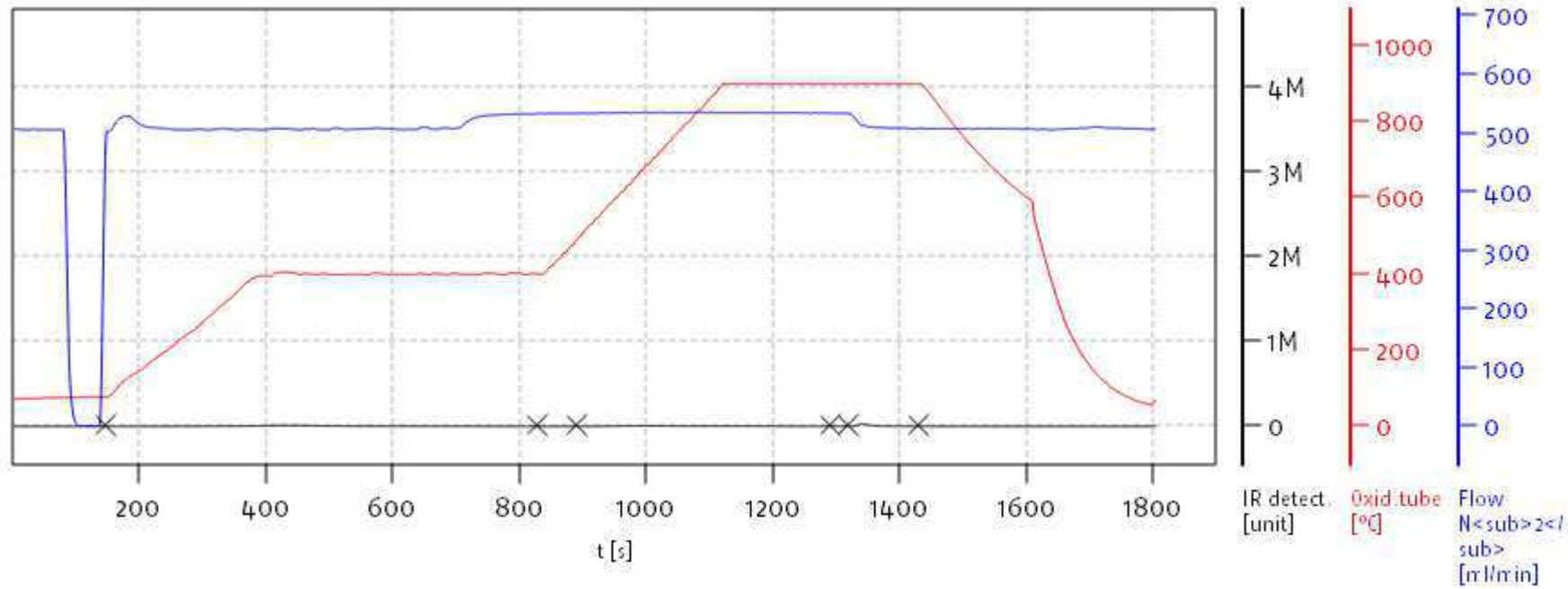
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0155-03	577.30		CARBON	12/17/2022 9:15 PM	bl	0.011	72 781	0.016	0.000	24 215	43 091	0.011	0.004	0.9263	1.0000



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Serial No: 0300.181017
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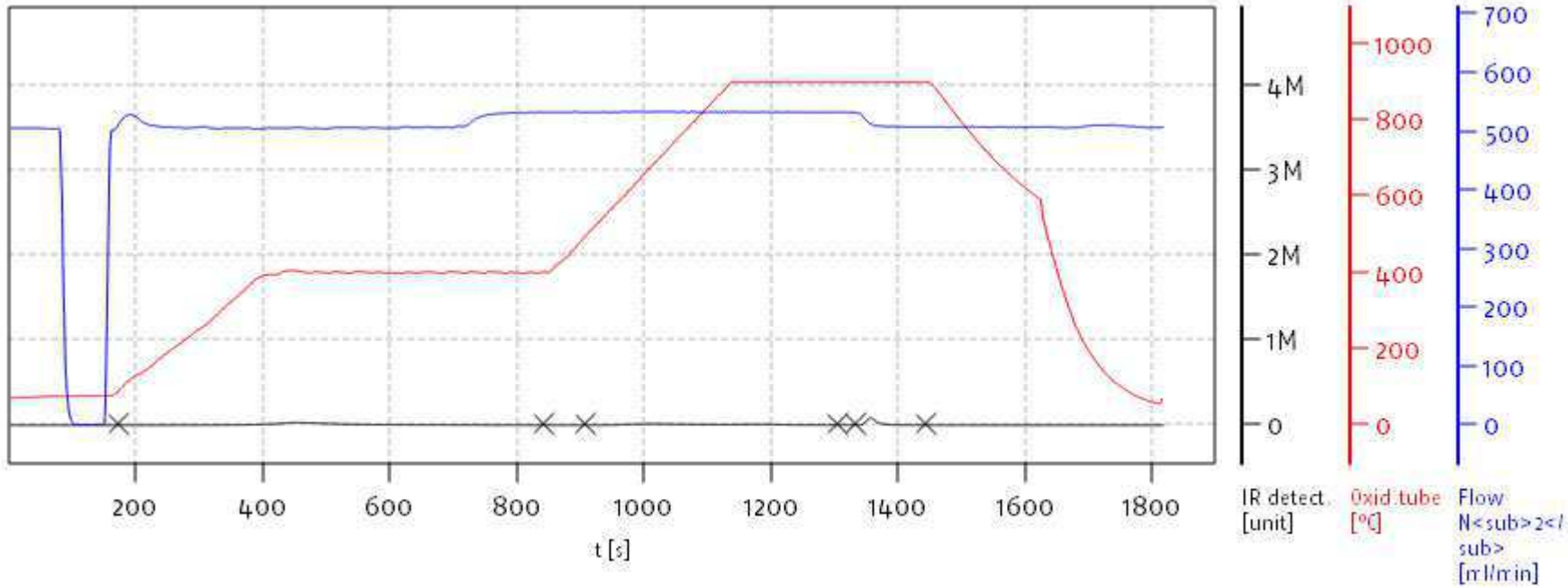
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0155-04	585.90		CARBON	12/17/2022 9:45 PM	bl	0.042	158 824	0.062	0.010	64 114	102 585	0.032	0.020	0.9263	1.0000



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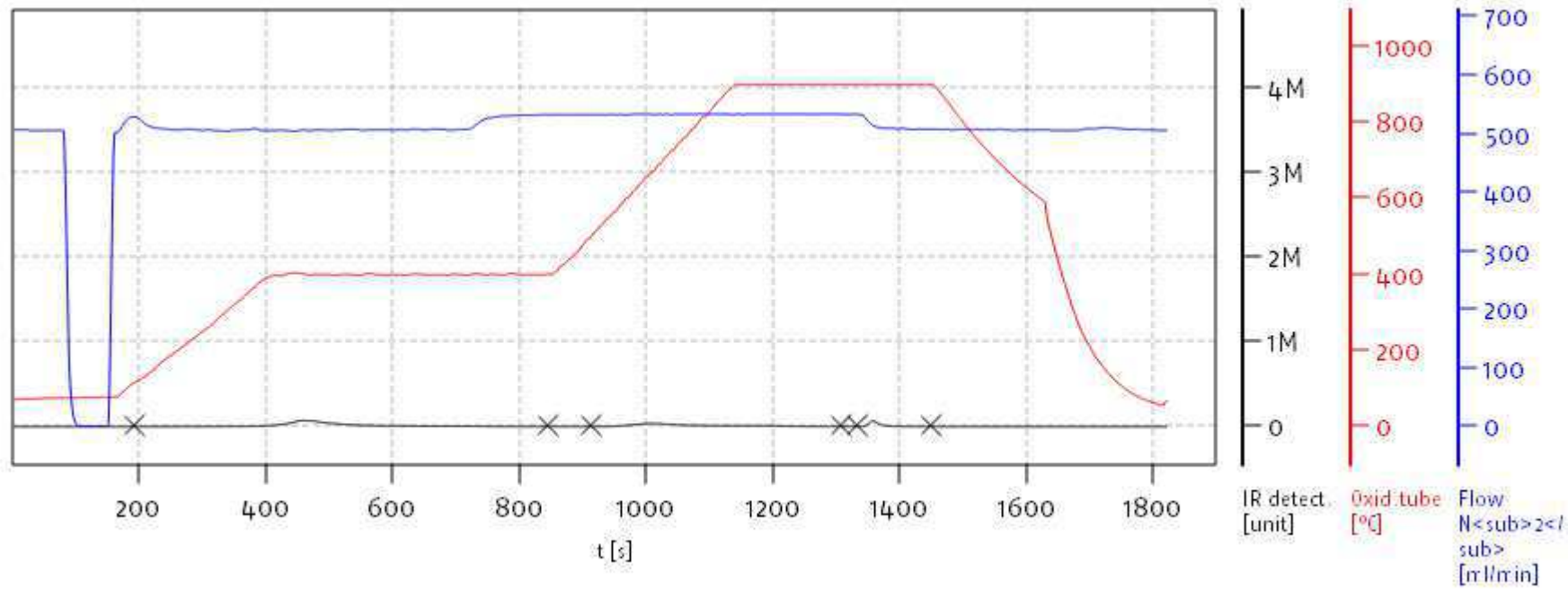
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0155-05	524.00		CARBON	12/17/2022 10:16 PM	bl	0.082	298 286	0.127	0.007	51 310	179 829	0.074	0.045	0.9263	1.0000



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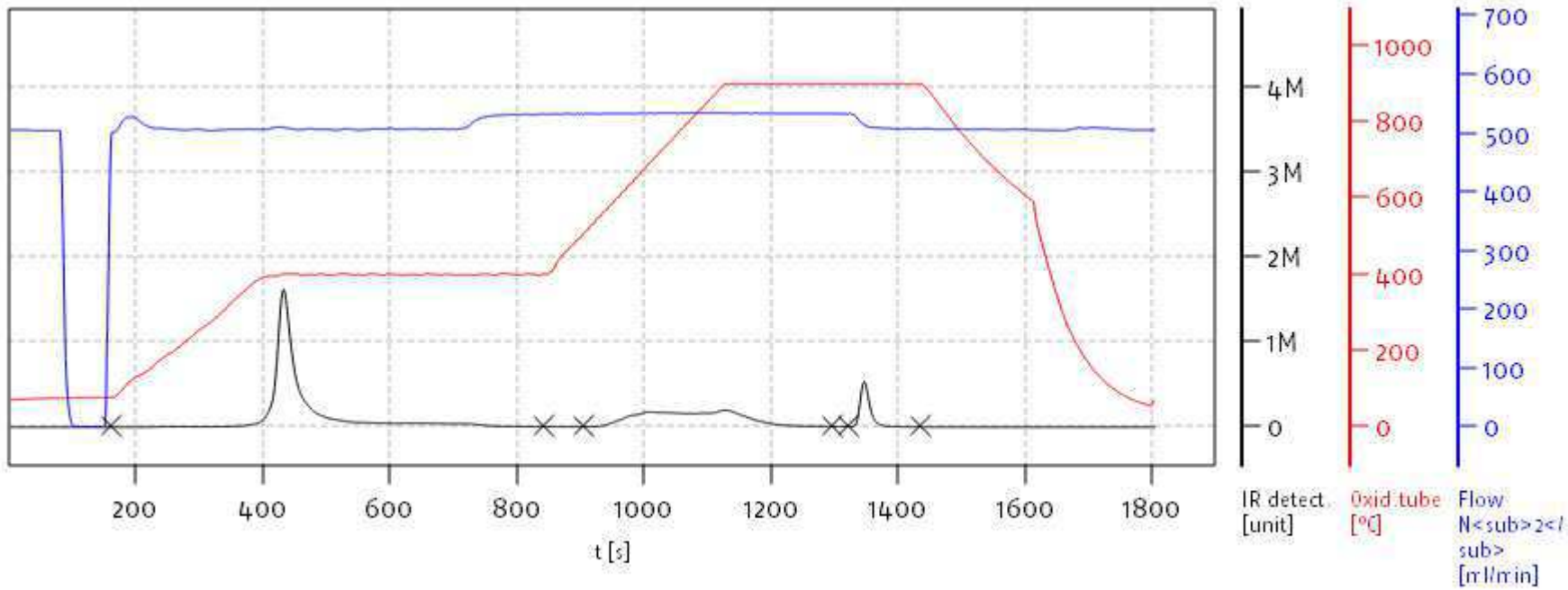
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0155-06	515.40		CARBON	12/17/2022 10:46 PM	bl	0.809	2 573 080	1.231	0.100	360 184	1 432 200	0.708	0.422	0.9263	1.0000



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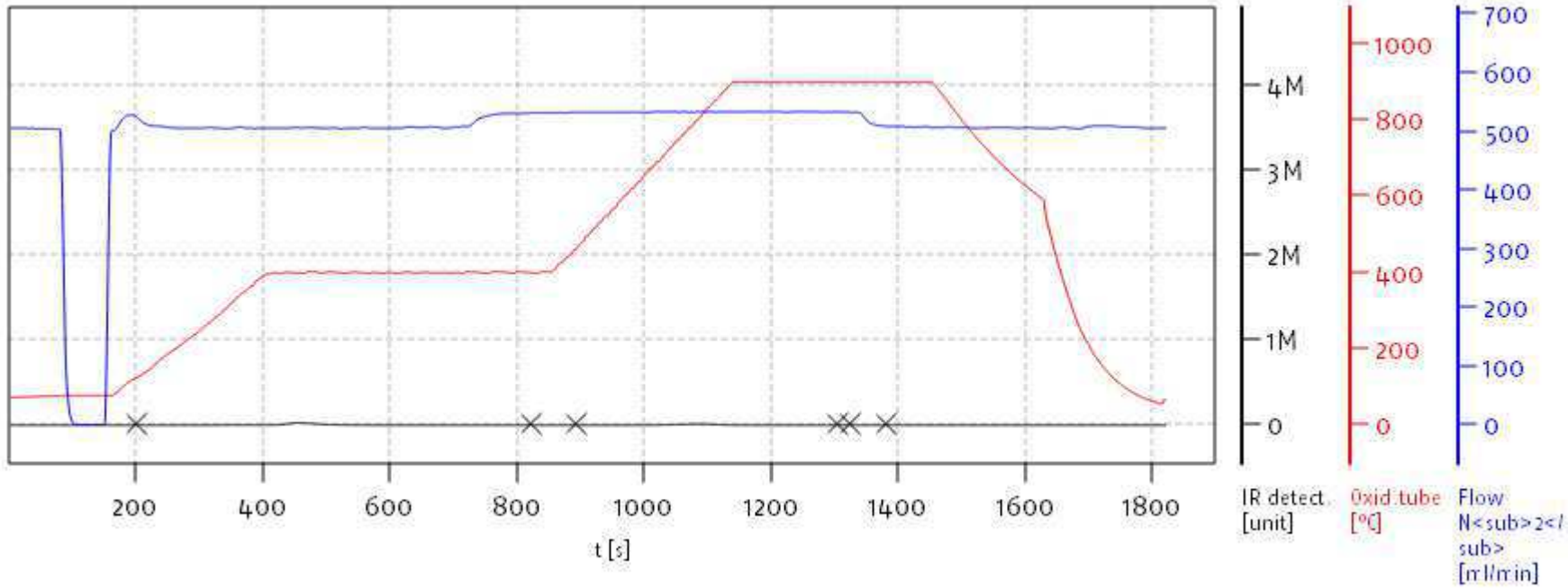
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	BKL0387-MRL1	545.70		CARBON	12/17/2022 11:17 PM	bl,C2u	0.010	66 160	0.013	0.000	81	37 188	0.010	0.003	0.9263	1.0000



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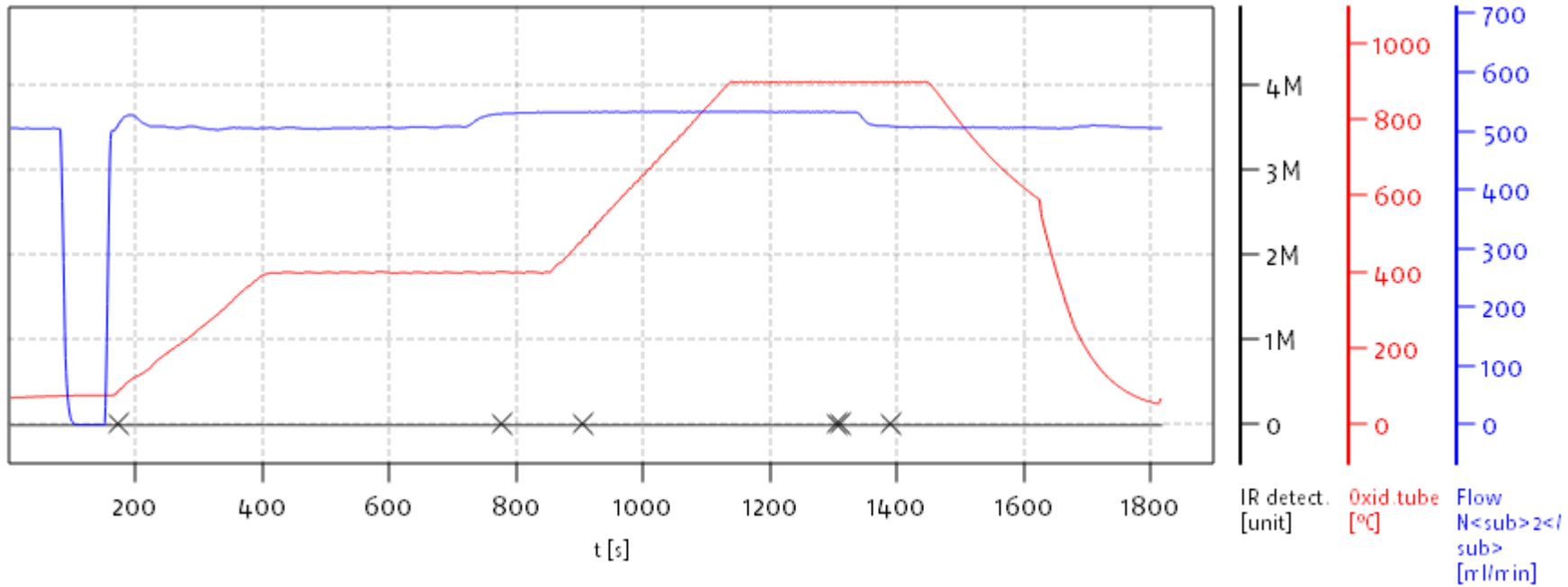
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	BKL0387-BLK1	504.40		CARBON	12/17/2022 11:48 PM	bl,C2u	0.000	10 373	0.000	0.000	210	5 720	0.000	0.000	0.9263	1.0000



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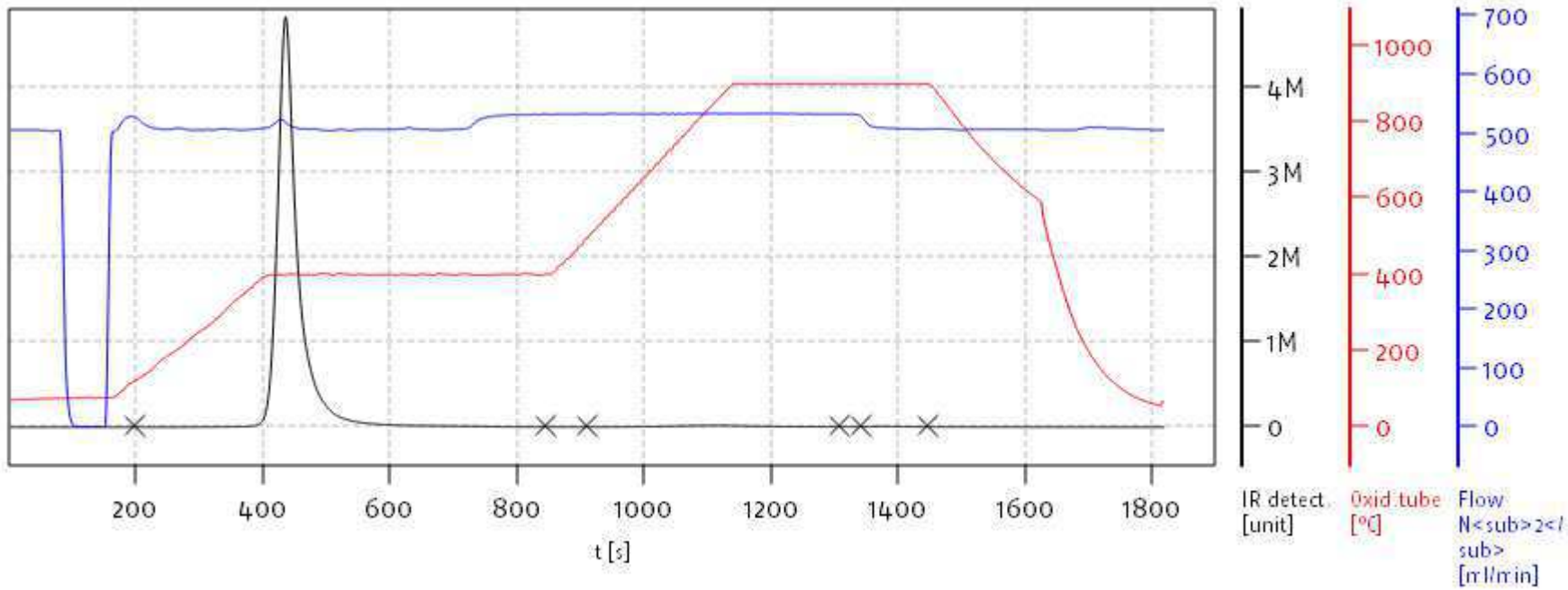
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	BKL0387-BS1	21.50		CARBON	12/18/2022 12:19 AM	bl	45.127	6 792 680	45.859	0.000	22 346	128 269	45.127	0.733	0.9263	1.0000



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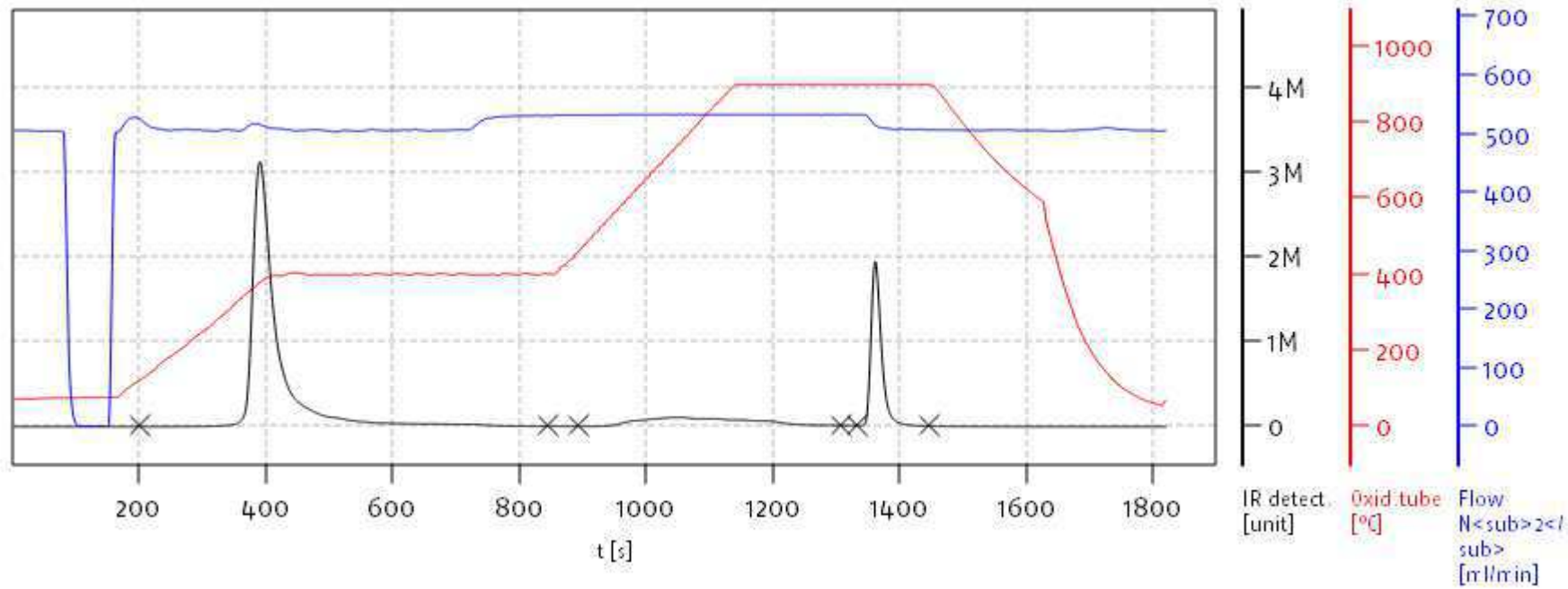
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	BKL0387-SRM1	317.40		CARBON	12/18/2022 12:49 AM	bl	2.968	5 097 090	3.386	0.677	1 415 010	882 940	2.291	0.418	0.9263	1.0000



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Access: soliTOC superuser

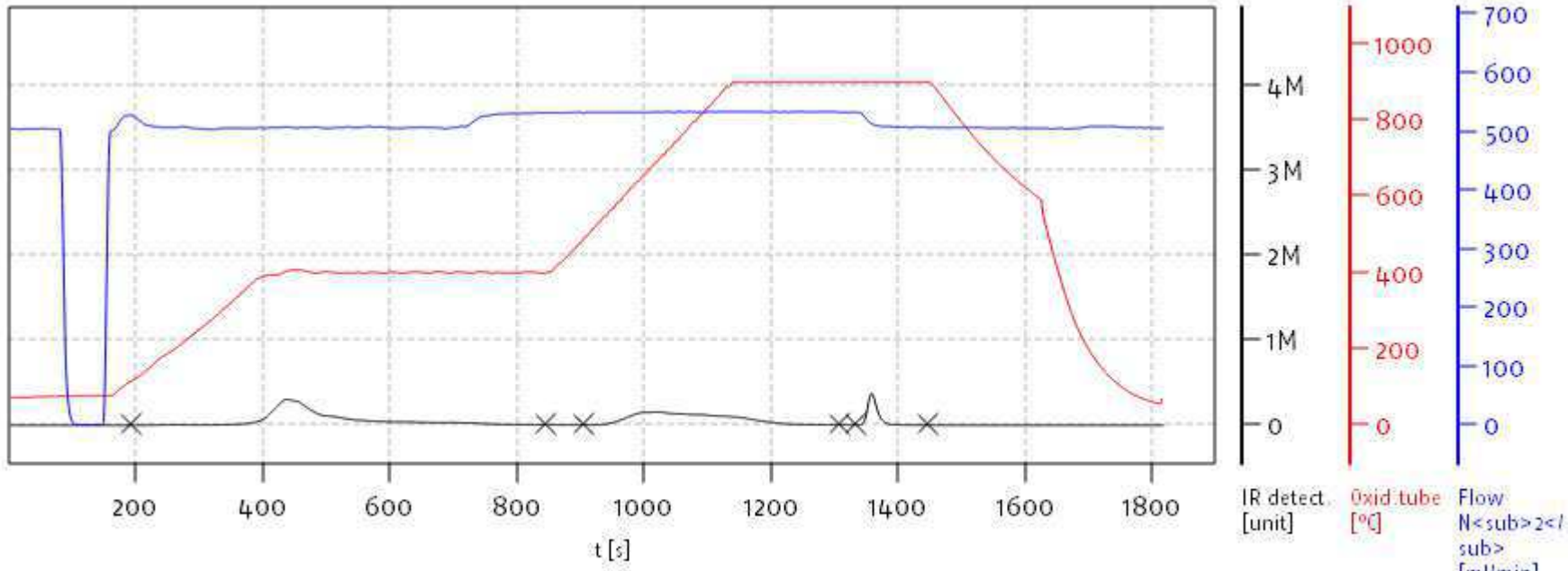
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 121622 DOE from: 12/21/2022 7:31 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0155-07	511.10		CARBON	12/18/2022 1:20 AM	bl	0.426	1 298 550	0.744	0.070	256 097	1 076 710	0.357	0.318	0.9263	1.0000



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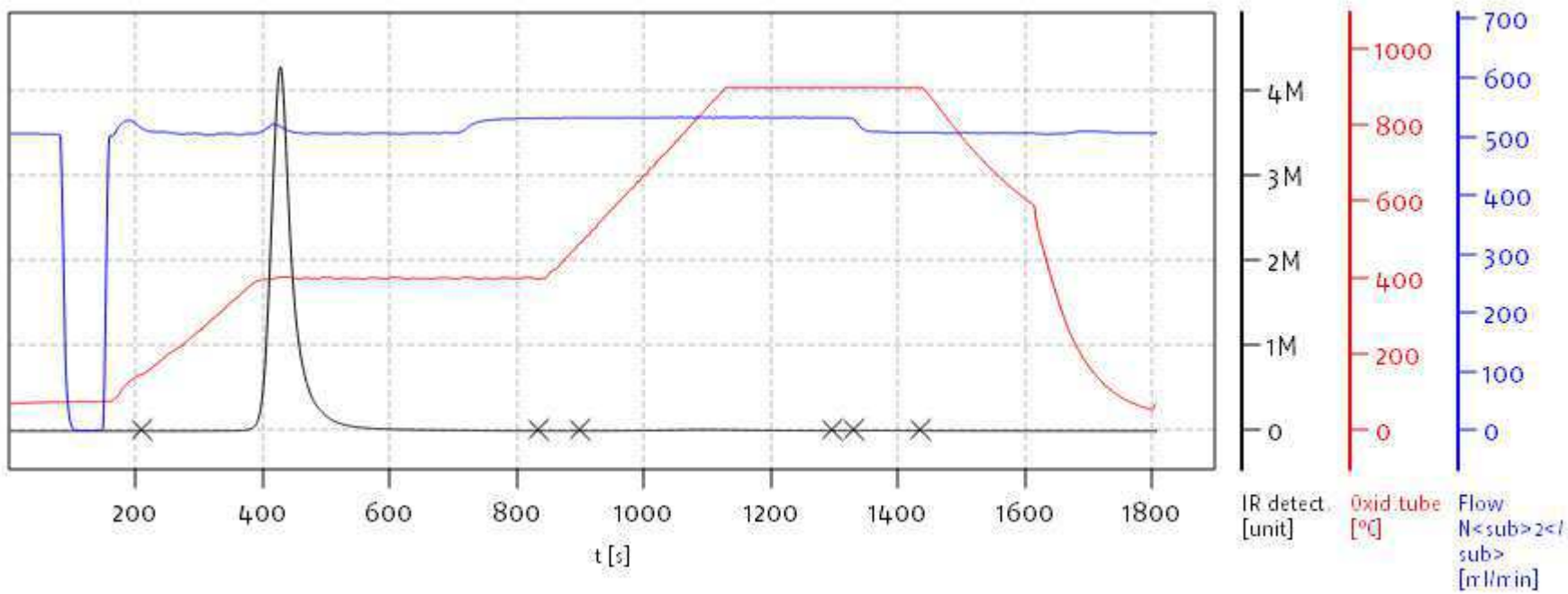
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0217-CCV6	20.80		CARBON	12/18/2022 1:51 AM	bl	44.527	6 485 490	45.144	0.000	19 347	109 416	44.527	0.617	0.9263	1.0000



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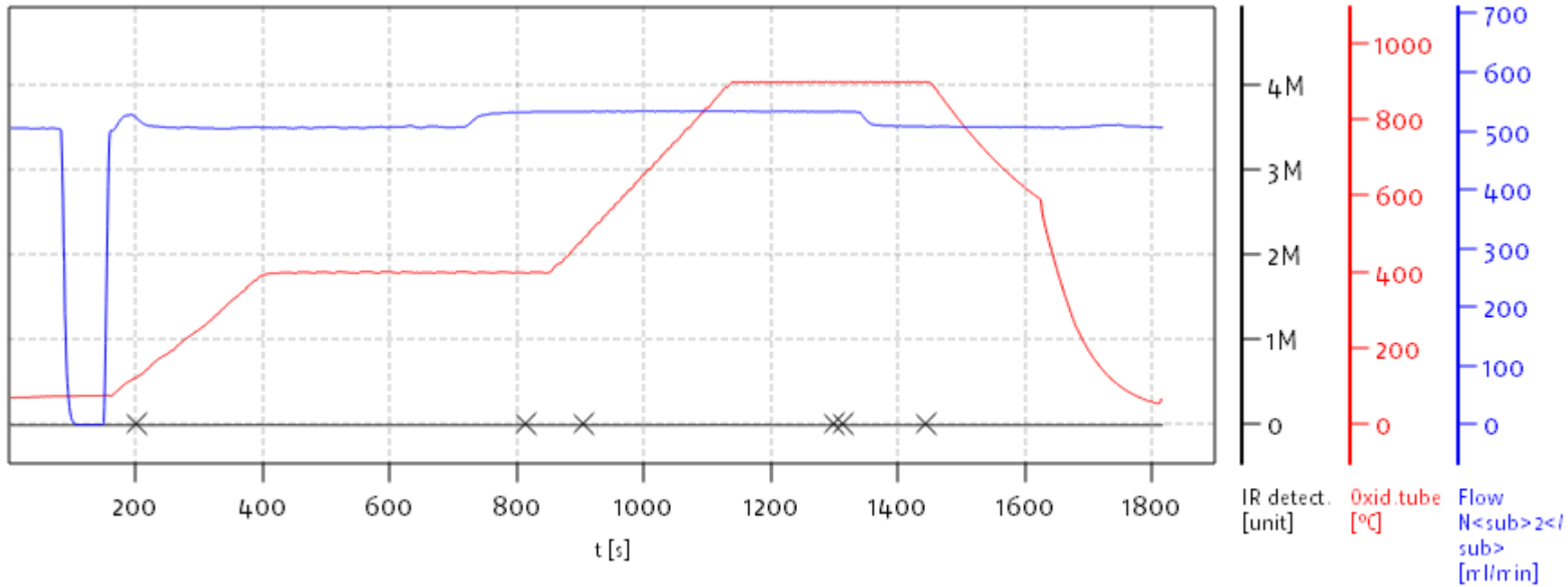
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0217-CCB6	518.30		CARBON	12/18/2022 2:21 AM	bl,C2u	0.000	8 086	0.000	0.000	400	8 086	0.000	0.000	0.9263	1.0000



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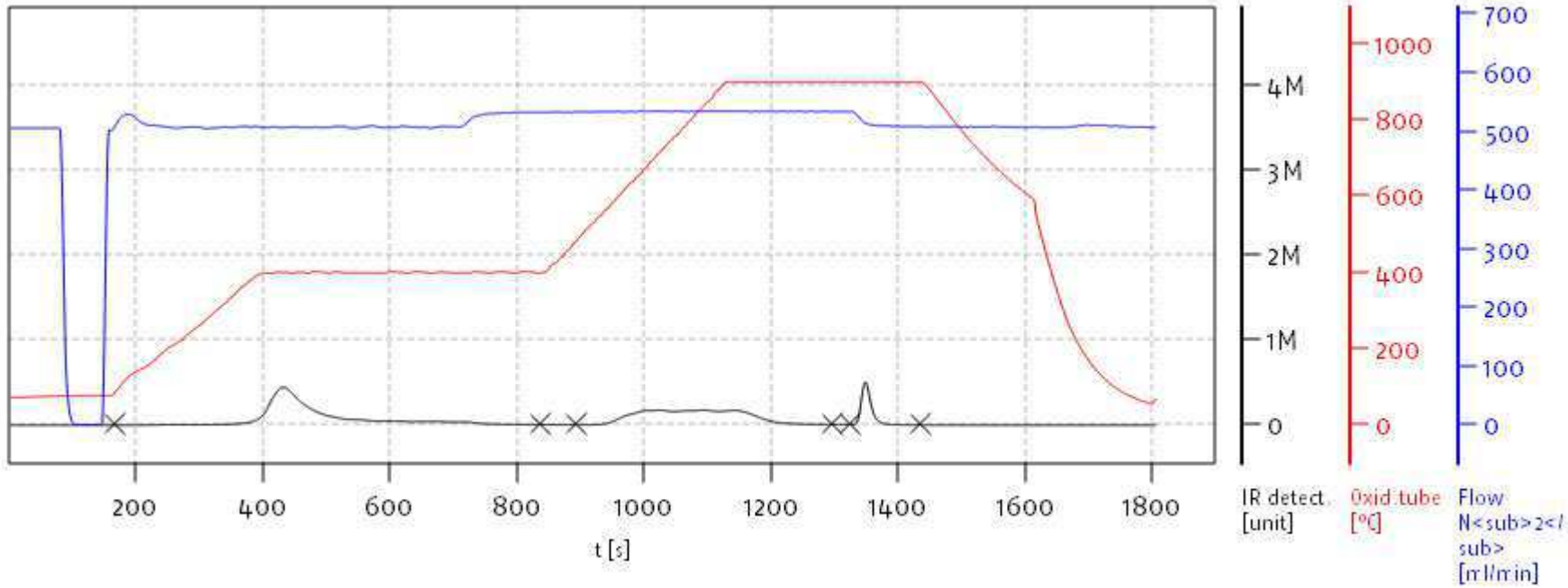
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	BKL0387-DUP1	505.50		CARBON	12/18/2022 2:52 AM	bl	0.554	1 628 840	0.992	0.099	350 266	1 457 180	0.455	0.438	0.9263	1.0000



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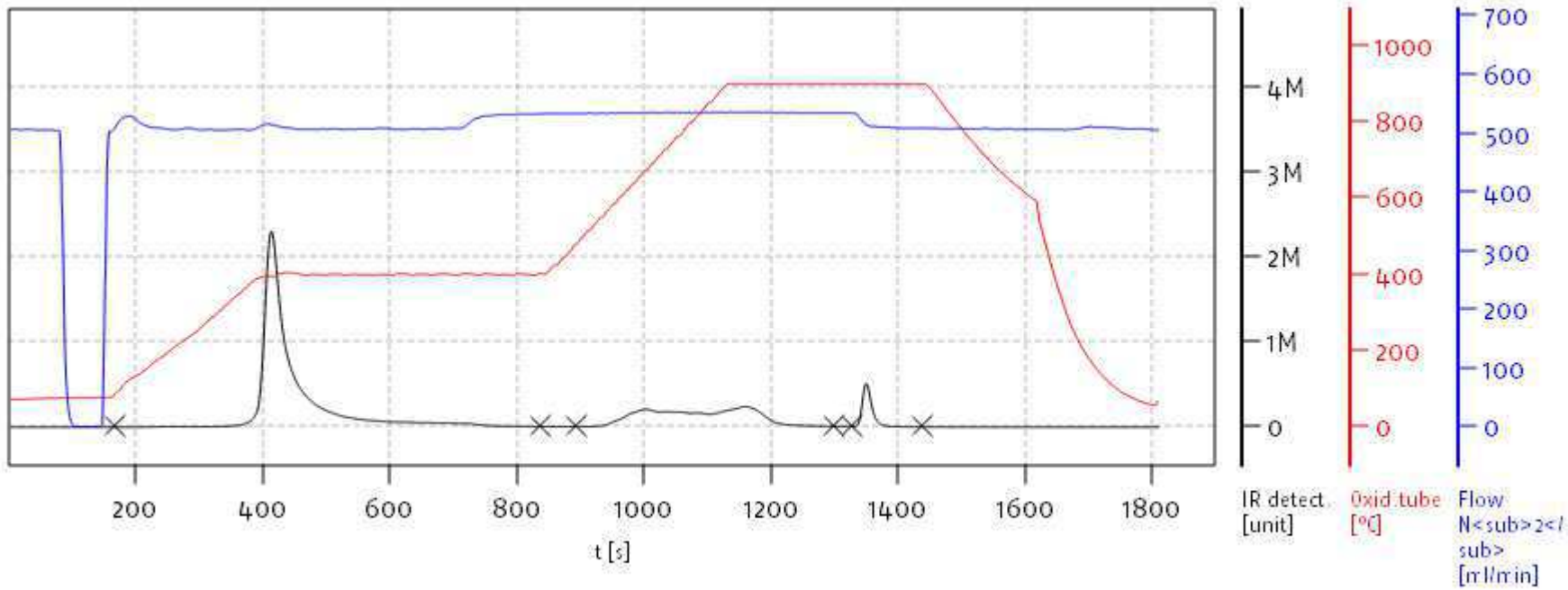
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	BKL0387-MS1	517.10	0.0080	CARBON	12/18/2022 3:22 AM	bl	1.258	4 220 440	1.772	0.095	344 078	1 743 210	1.163	0.514	0.9263	1.0000



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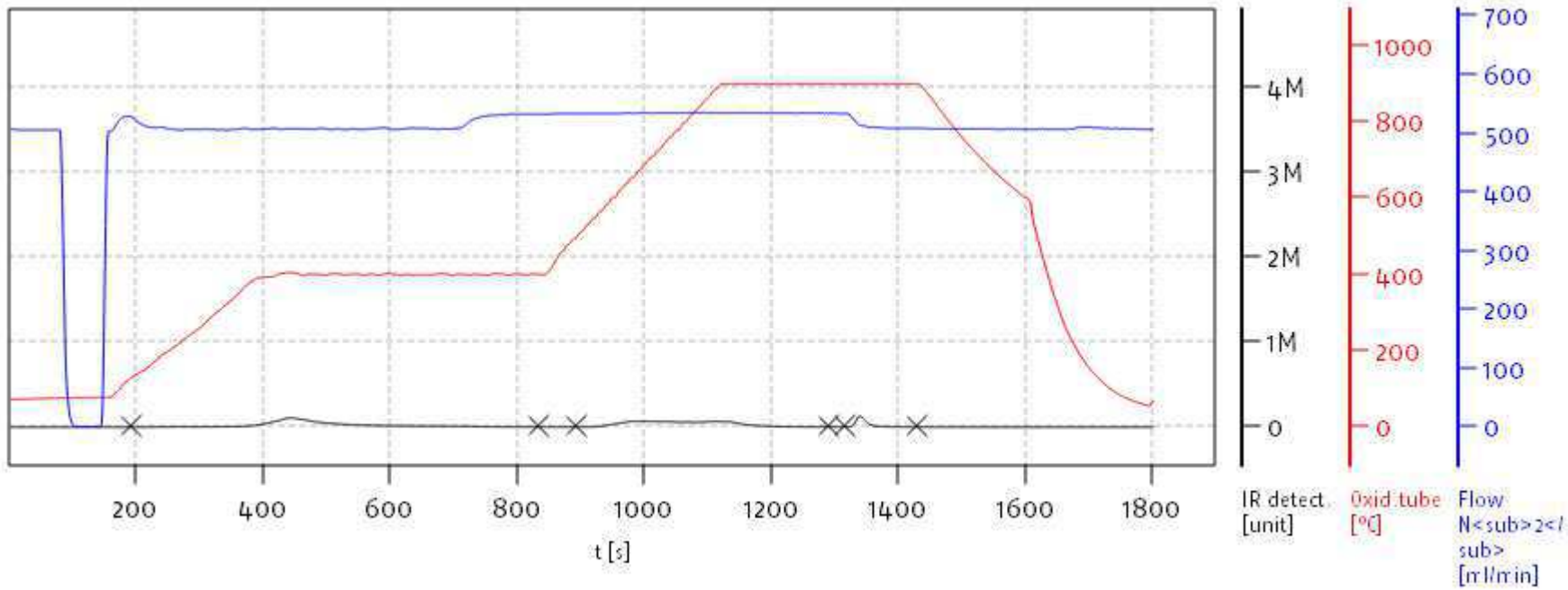
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	22L0155-08	501.00		CARBON	12/18/2022 3:53 AM	bl	0.160	507 126	0.316	0.023	99 877	530 163	0.138	0.156	0.9263	1.0000



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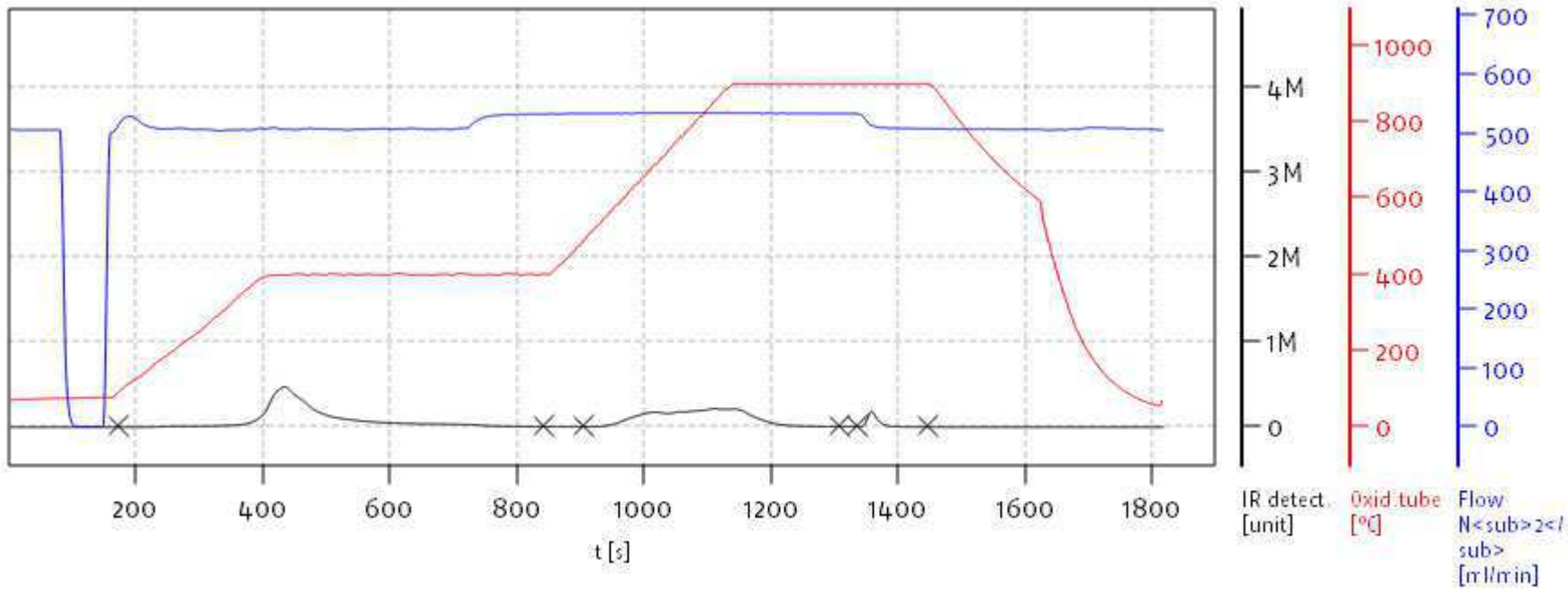
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0155-09	577.90		CARBON	12/18/2022 4:23 AM	bl	0.482	1 851 270	0.890	0.029	135 466	1 548 260	0.453	0.408	0.9263	1.0000



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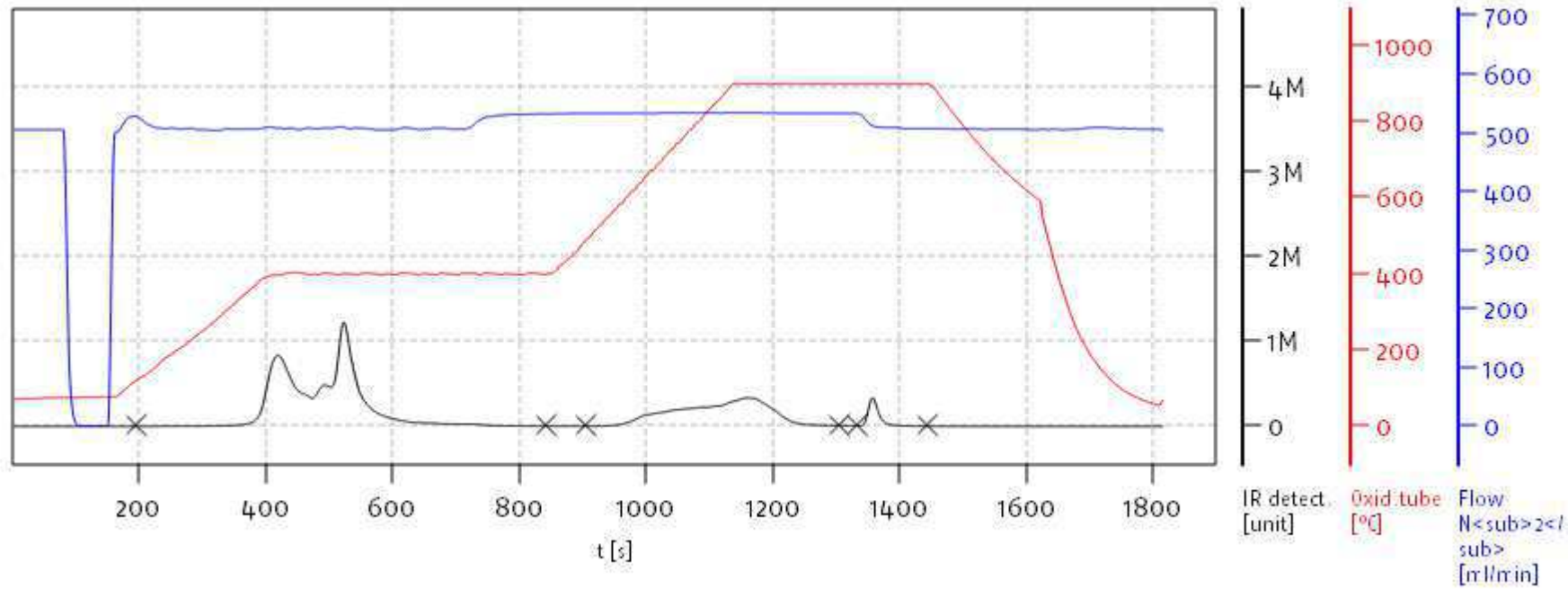
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22L0155-10	509.90		CARBON	12/18/2022 4:54 AM	bl	1.237	4 184 240	1.866	0.068	250 453	2 096 720	1.169	0.628	0.9263	1.0000



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Serial No: 0300.181017
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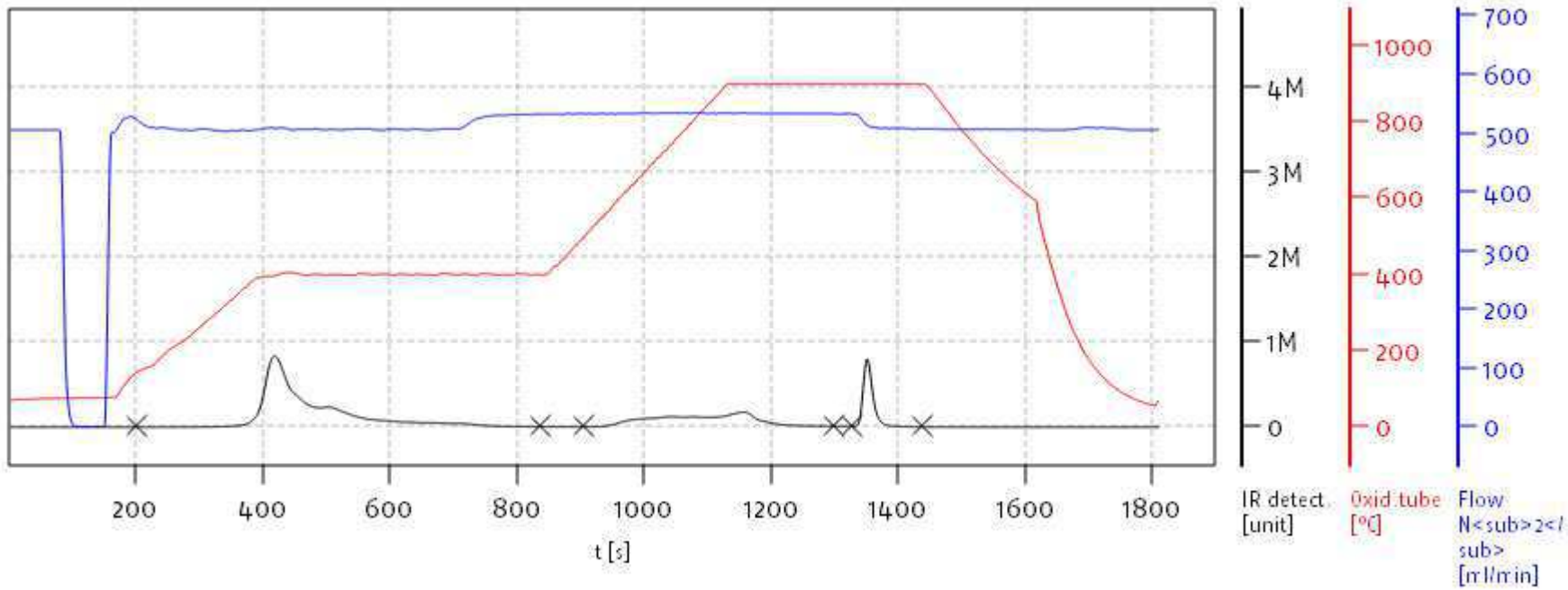
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22L0155-11	521.00		CARBON	12/18/2022 5:25 AM	bl	0.876	2 649 870	1.201	0.154	545 866	1 119 910	0.722	0.325	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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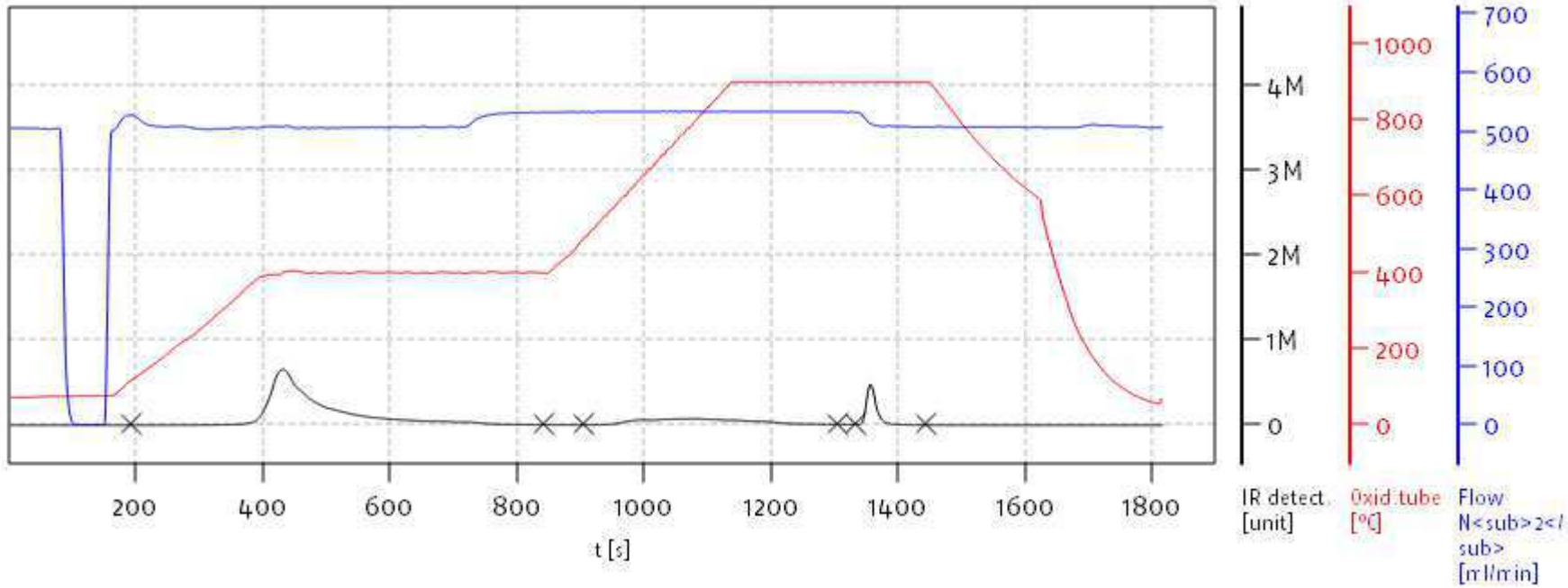
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22L0155-12	545.80		CARBON	12/18/2022 5:55 AM	bl	0.696	2 345 330	0.863	0.087	333 066	614 285	0.609	0.167	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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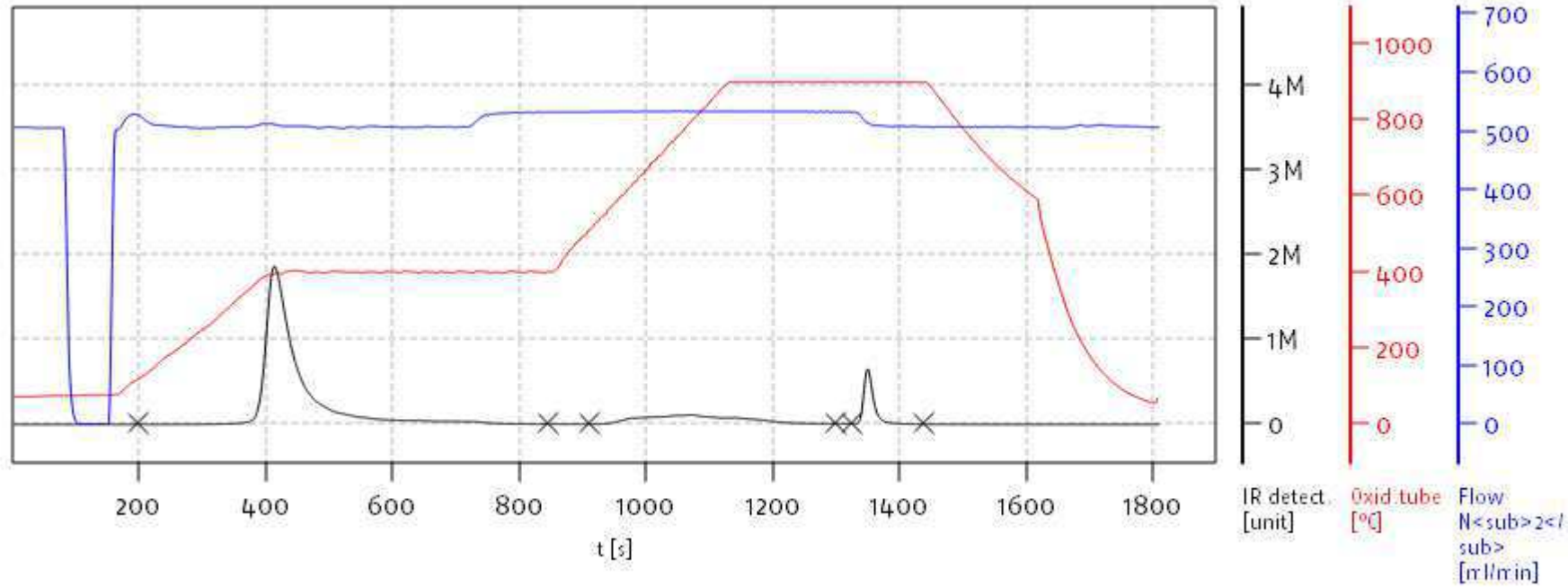
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0155-13	505.80		CARBON	12/18/2022 6:26 AM	bl	1.264	4 035 010	1.503	0.128	444 650	805 263	1.136	0.238	0.9263	1.0000



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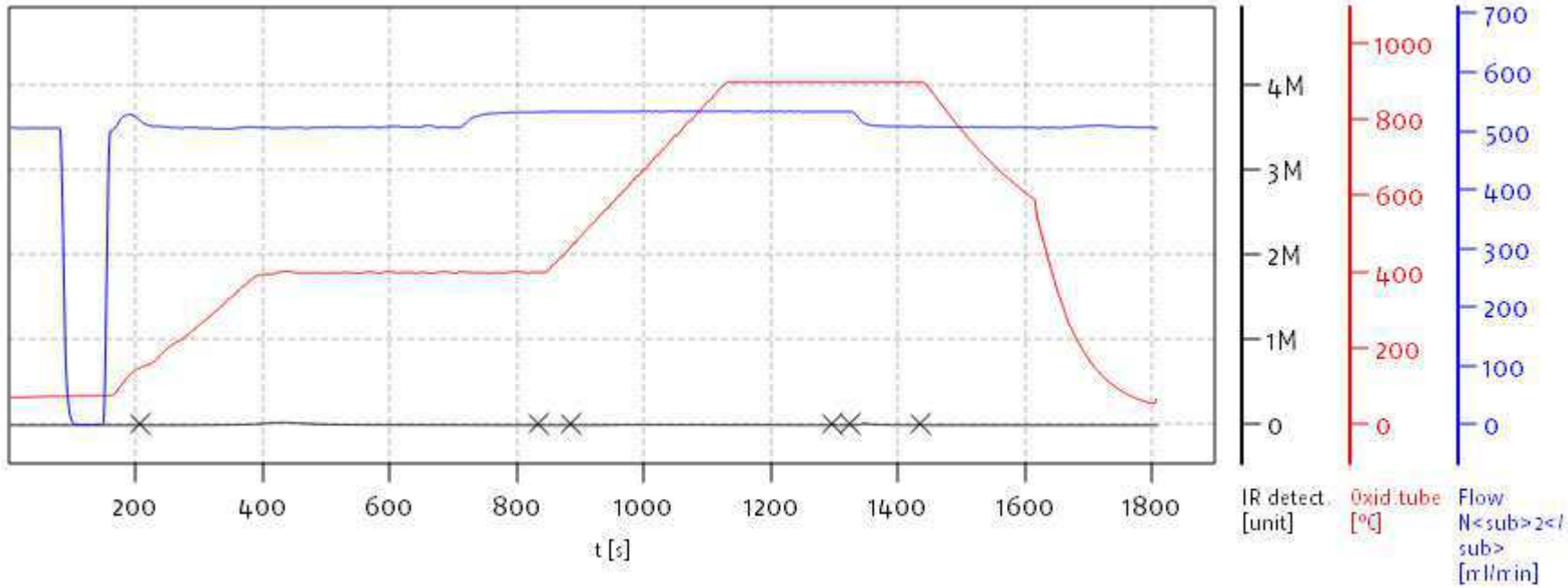
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	22L0155-14	550.20		CARBON	12/18/2022 6:56 AM	bl	0.028	135 581	0.031	0.000	17 287	36 705	0.028	0.003	0.9263	1.0000



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Balance: BAL3
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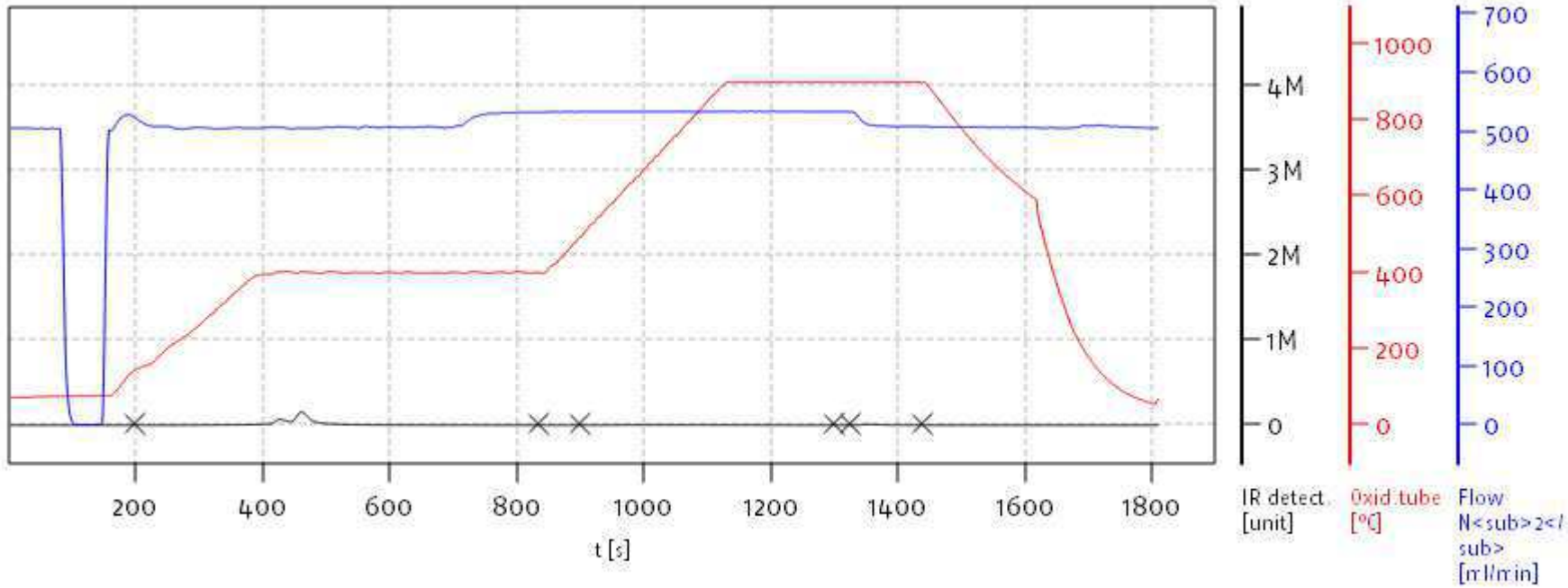
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	22L0155-15	509.90		CARBON	12/18/2022 7:27 AM	bl	0.069	270 341	0.069	0.000	13 548	24 857	0.069	0.000	0.9263	1.0000



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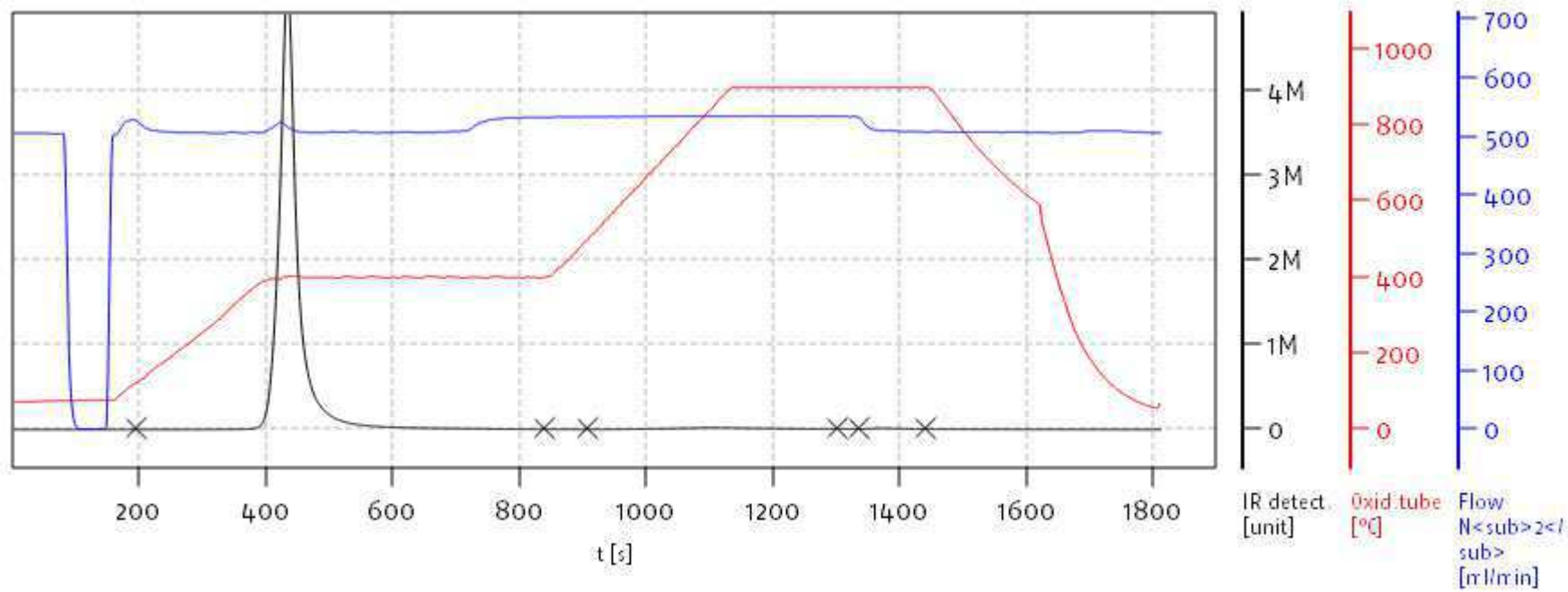
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0217-CCV7	21.90		CARBON	12/18/2022 7:58 AM	bl	43.388	6 640 800	44.331	0.081	37 931	159 807	43.308	0.942	0.9263	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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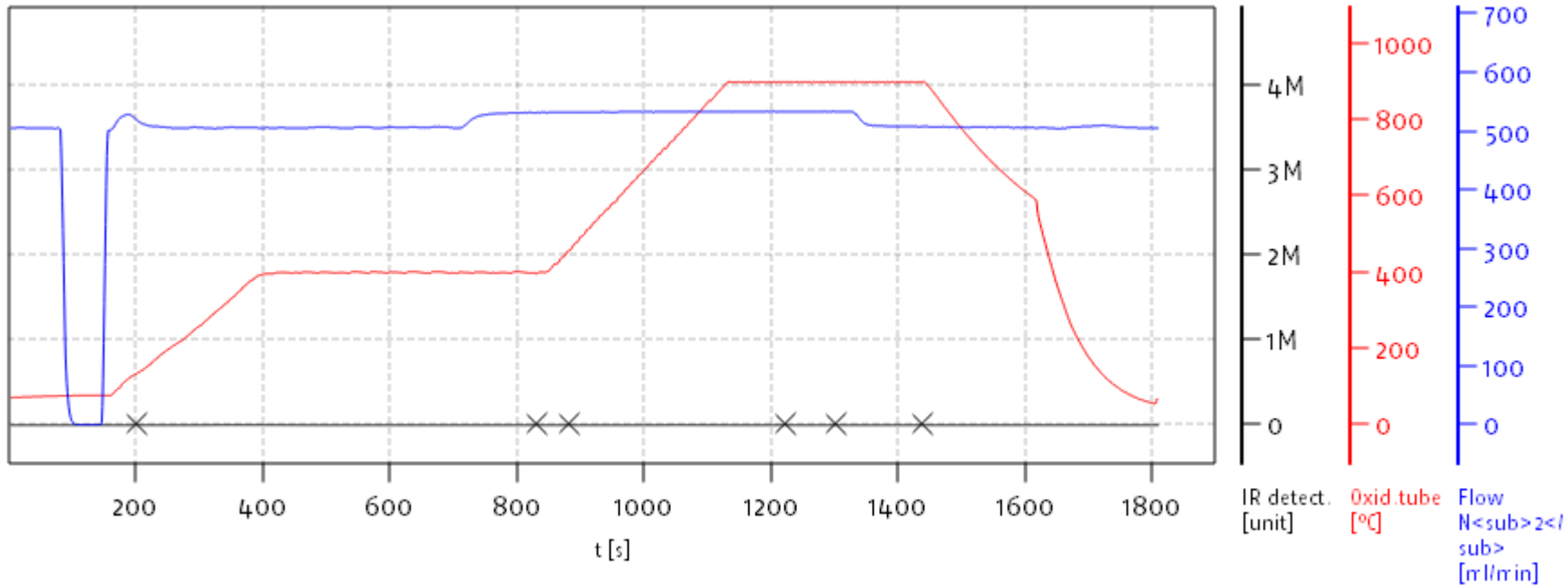
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0217-CCB7	517.00		CARBON	12/18/2022 8:28 AM	bl,C2u	0.000	9 459	0.000	0.000	235	3 597	0.000	0.000	0.9263	1.0000



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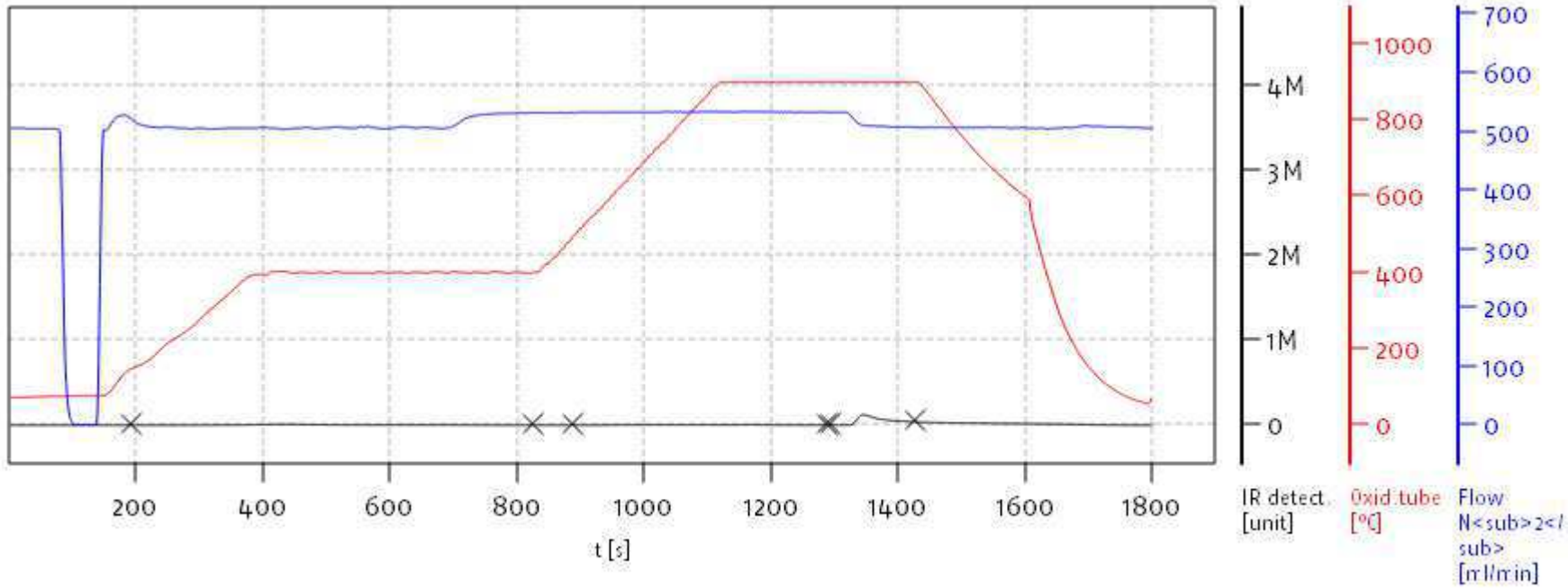
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
90	1	22L0155-16	512.00		CARBON	12/18/2022 8:59 AM	bl	0.081	66 396	0.085	0.069	256 268	42 105	0.011	0.005	0.9263	1.0000



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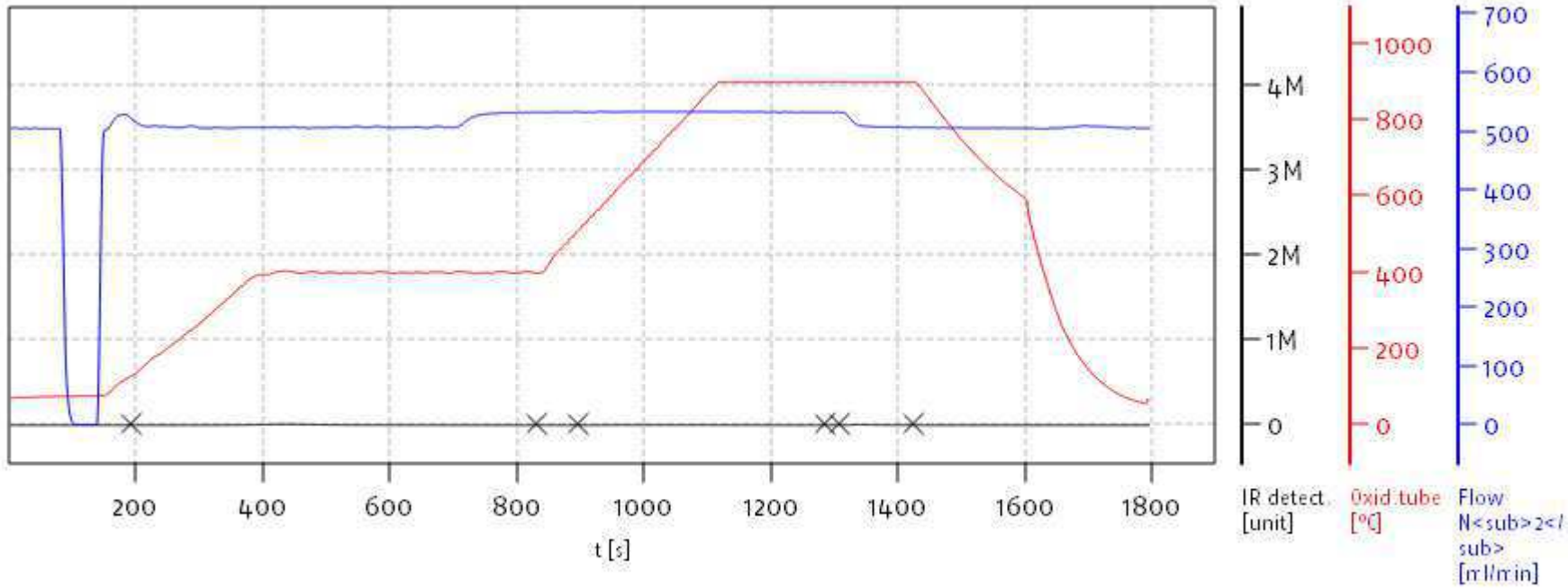
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
91	2	22L0155-17	501.90		CARBON	12/18/2022 9:29 AM	bl	0.007	52 557	0.007	0.000	11 048	16 617	0.007	0.000	0.9263	1.0000



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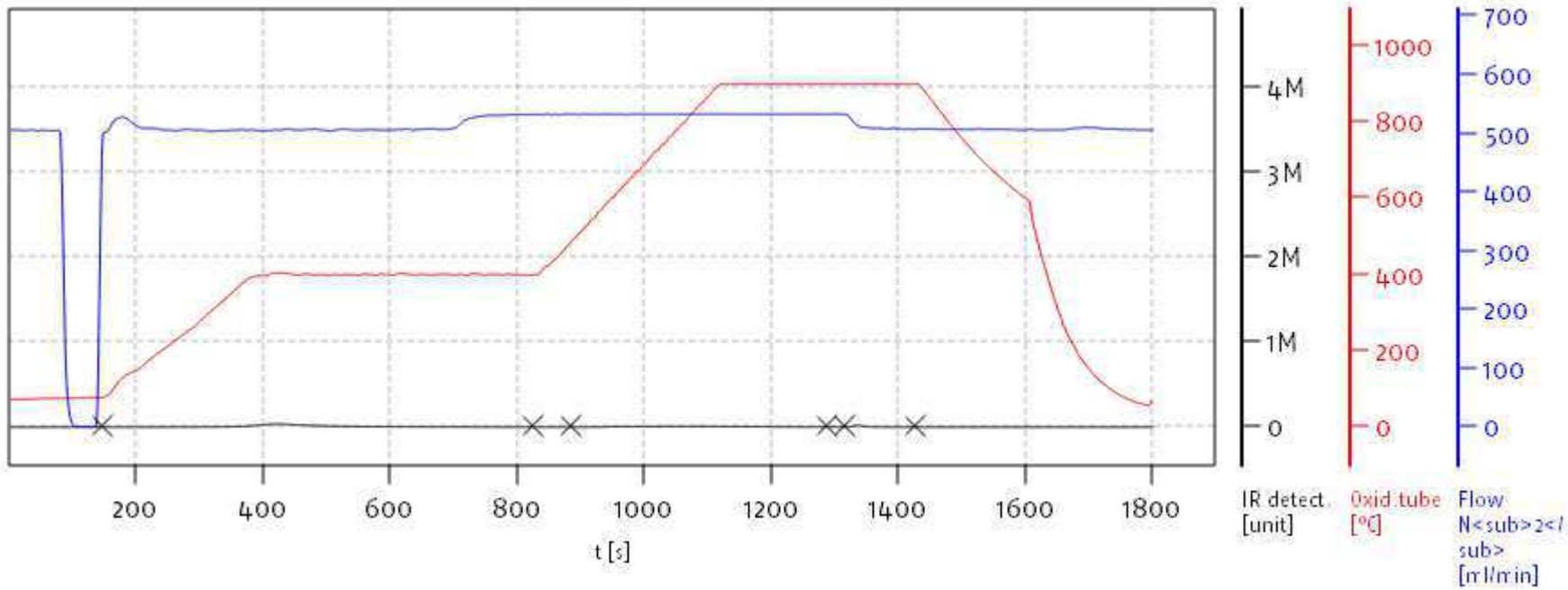
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
92	3	22L0155-18	515.00		CARBON	12/18/2022 9:59 AM	bl	0.042	178 586	0.058	0.000	15 263	79 921	0.042	0.016	0.9263	1.0000



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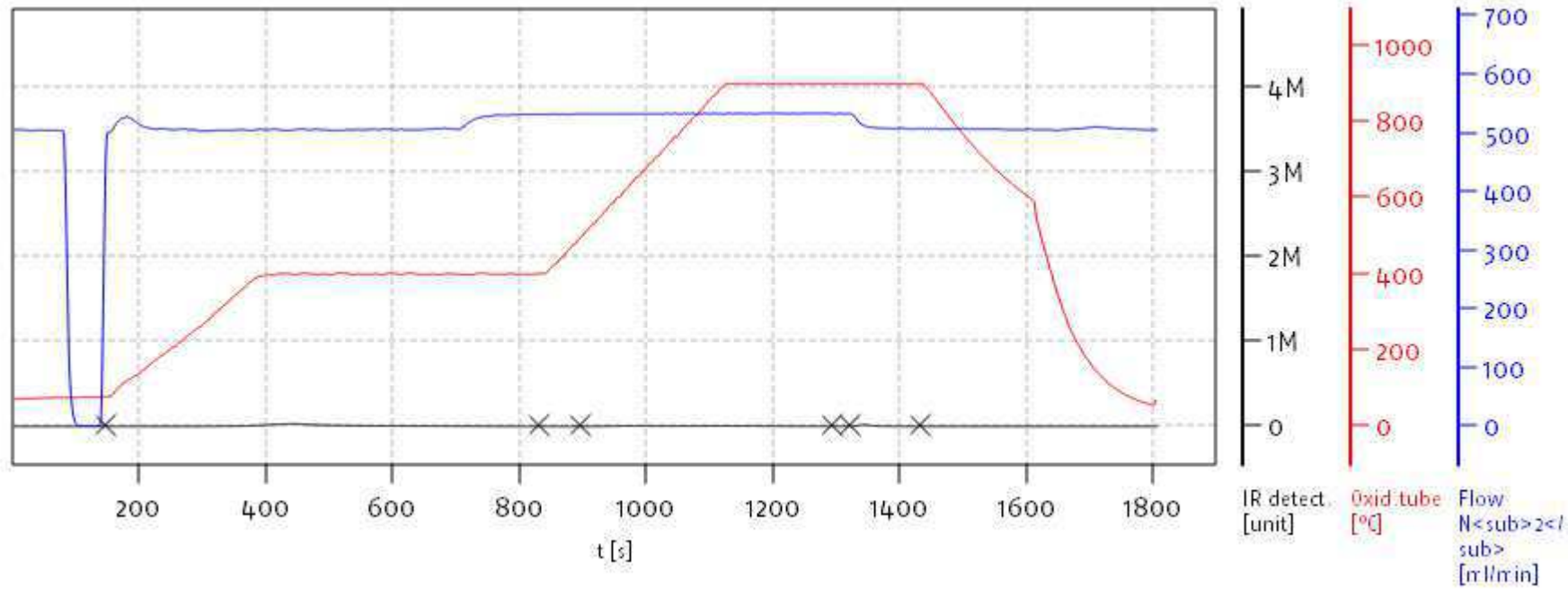
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
93	4	22L0155-19	613.40		CARBON	12/18/2022 10:30 AM	bl	0.030	154 811	0.037	0.000	17 621	52 887	0.030	0.007	0.9263	1.0000



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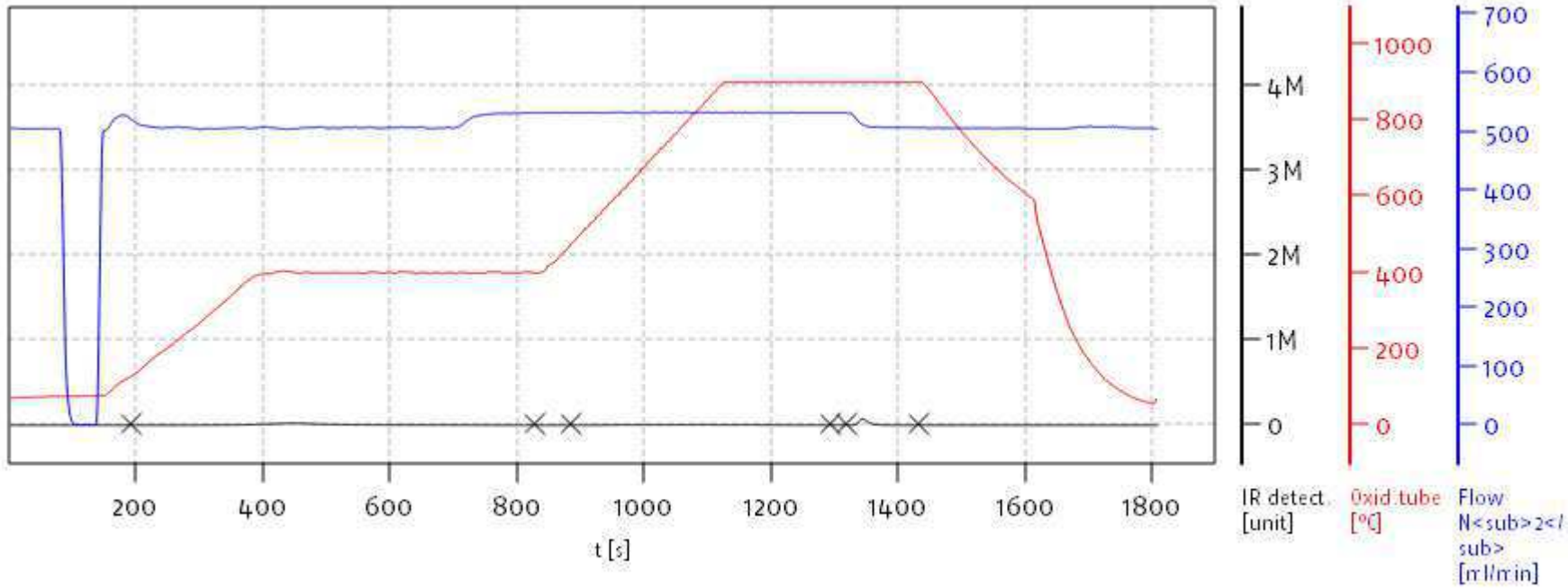
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
94	5	22L0155-20	506.00		CARBON	12/18/2022 11:01 AM	bl	0.030	110 442	0.035	0.007	47 828	42 365	0.024	0.005	0.9263	1.0000



Name:

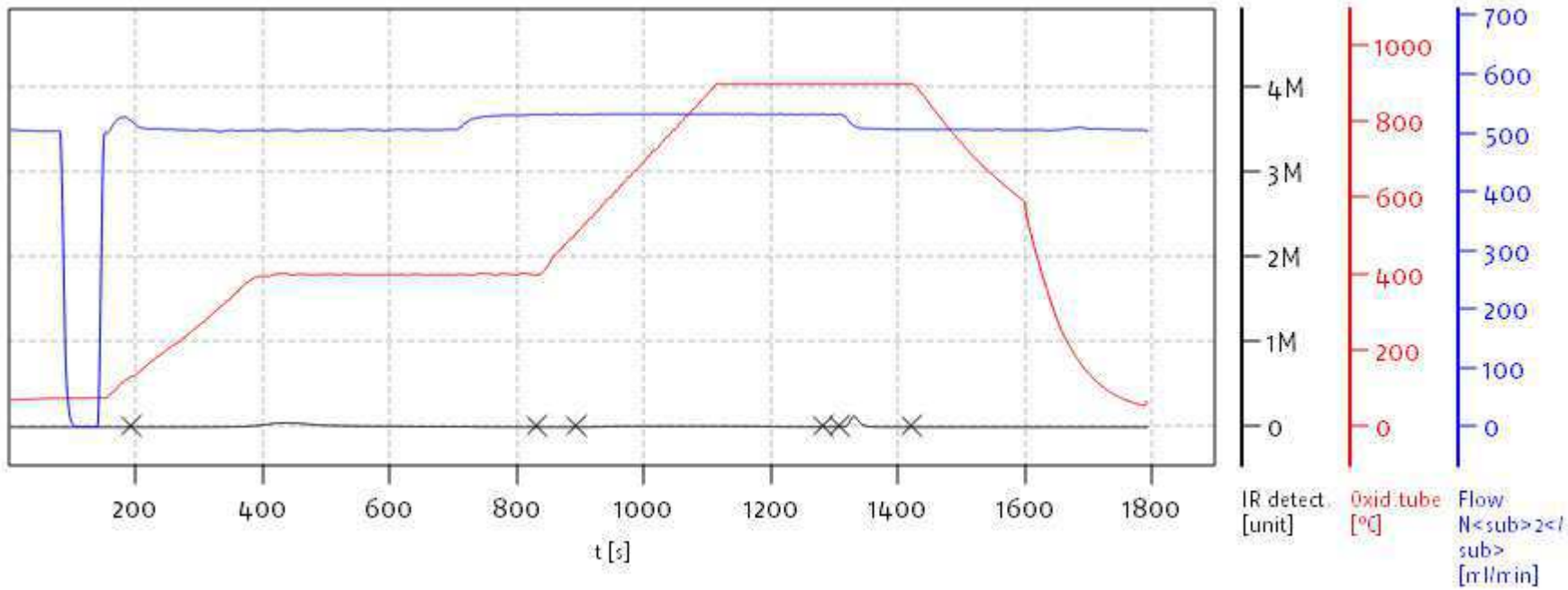
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	22L0155-21	508.20		CARBON	12/18/2022 11:31 AM	bl	0.079	248 904	0.103	0.017	81 200	104 635	0.063	0.024	0.9263	1.0000



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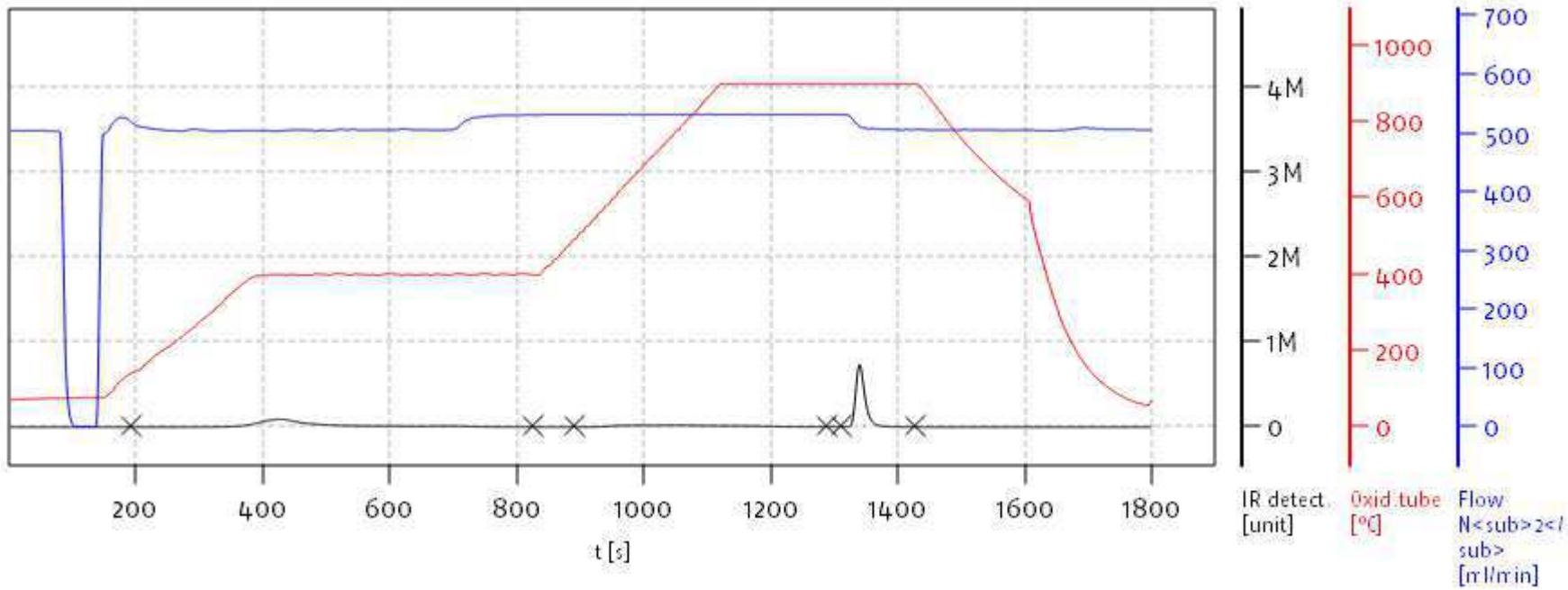
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
96	7	22L0155-22	542.10		CARBON	12/18/2022 12:01 PM	bl	0.229	411 584	0.273	0.127	471 482	179 958	0.102	0.044	0.9263	1.0000



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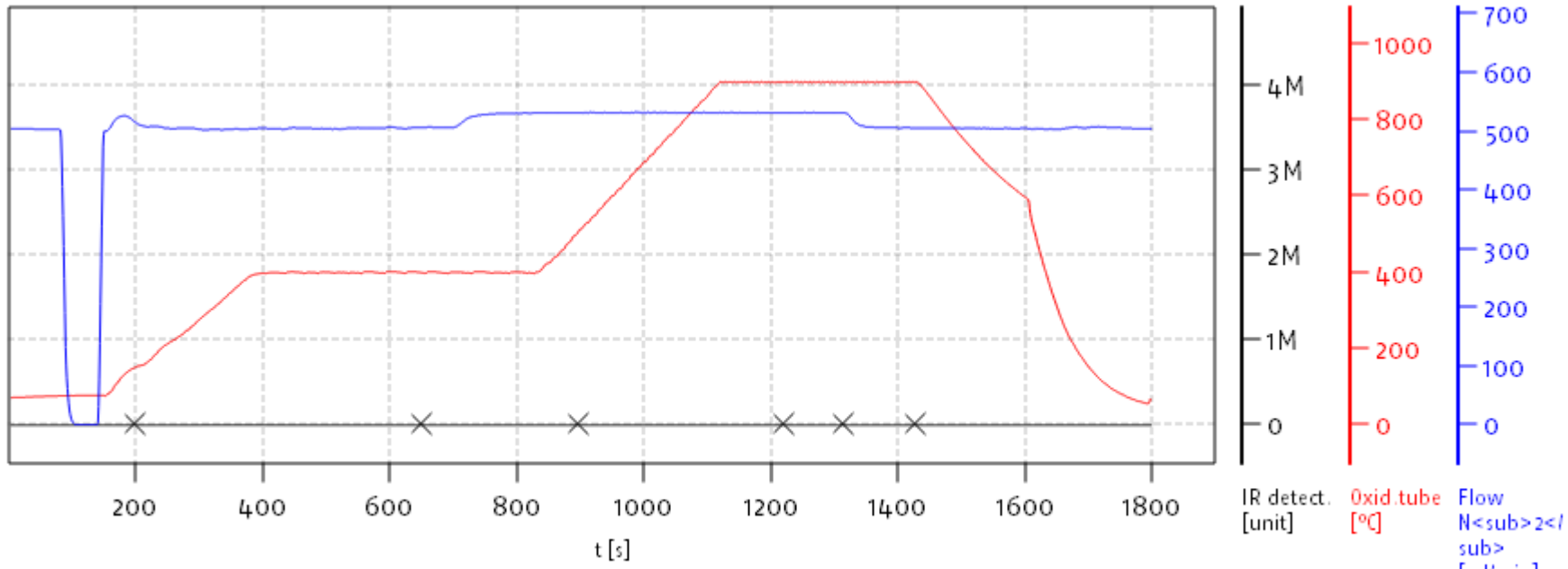
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
97	8	BLANK	1.00		CARBON	12/18/2022 12:32 PM	bl	0.000	5 321	0.000	0.000	177	452	0.000	0.000	0.9263	1.0000



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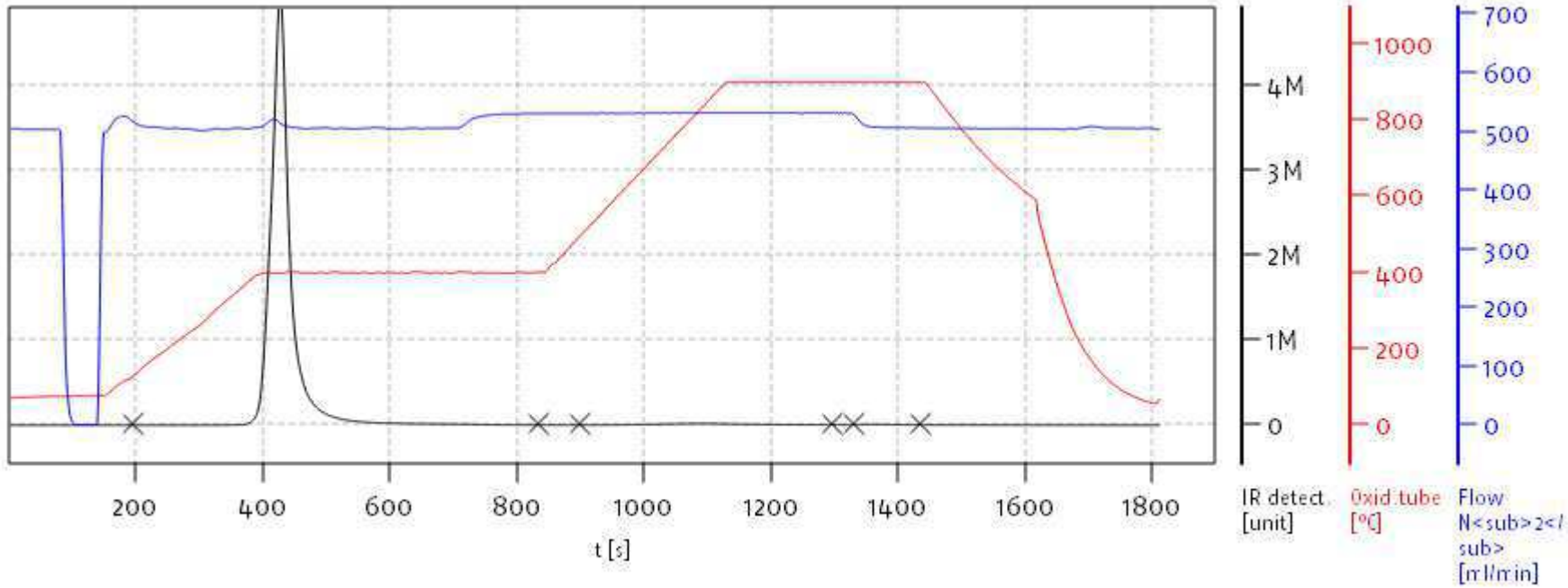
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
98	9	Dfactor	21.00		CARBON	12/18/2022 1:02 PM	bl	44.446	6 588 110	45.209	0.000	23 443	130 030	44.446	0.763	0.9189	1.0000



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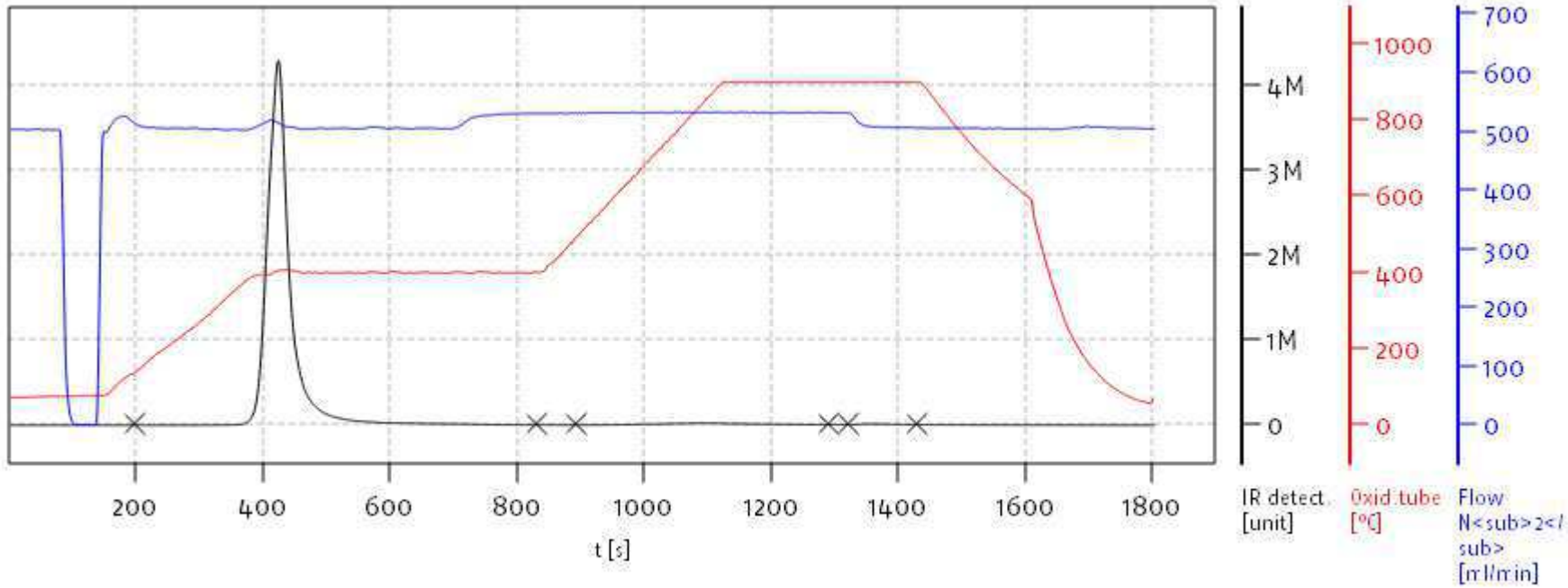
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
99	10	Dfactor	21.50		CARBON	12/18/2022 1:33 PM	bl	44.527	6 531 770	45.574	0.081	37 843	171 931	44.446	1.047	0.9489	1.0000



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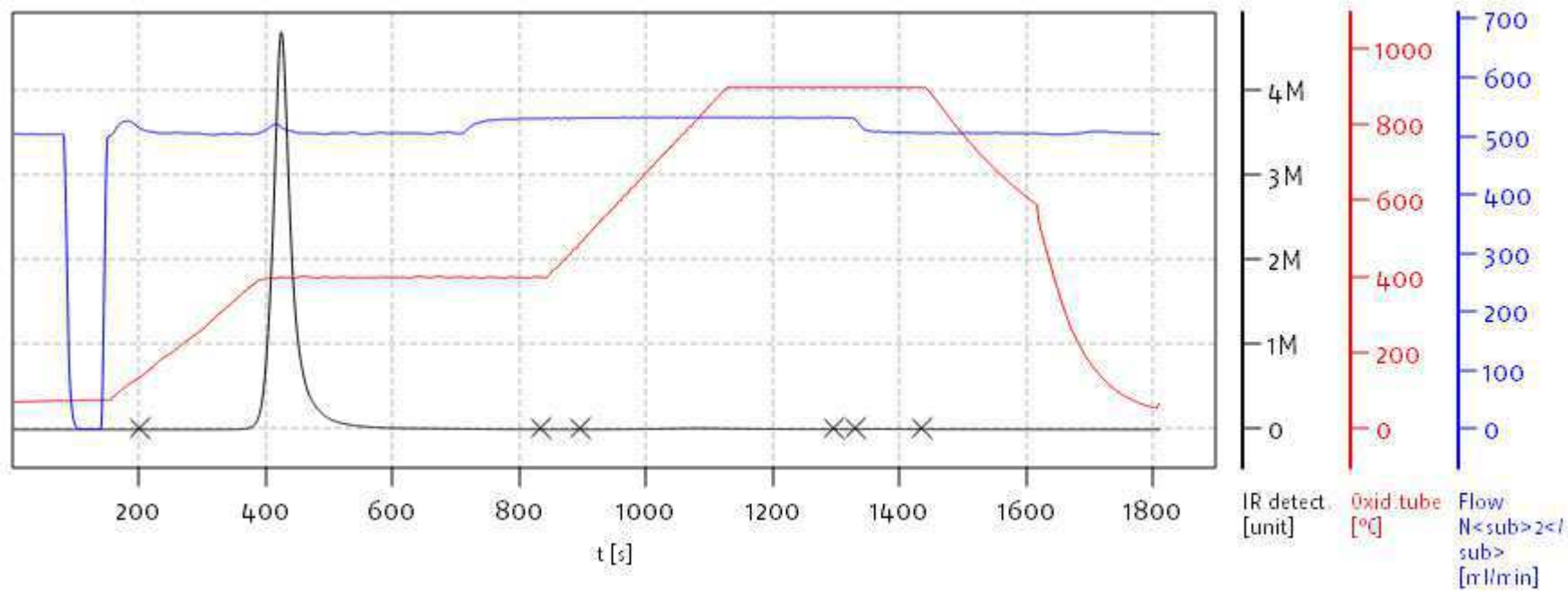
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
100	11	SKL0217-CCV8	20.40		CARBON	12/18/2022 2:03 PM	bl	45.130	6 394 800	45.677	0.000	18 427	98 576	45.130	0.547	0.9339	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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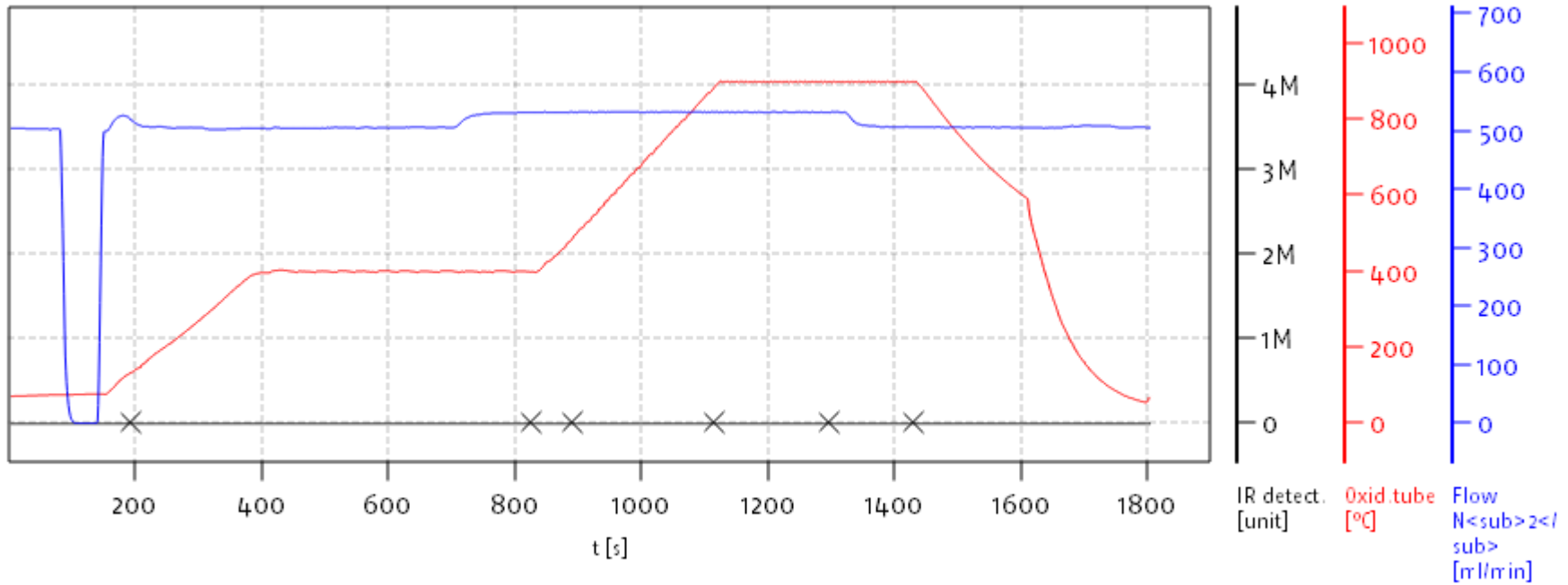
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
101	12	SKL0217-CCB8	574.10		CARBON	12/18/2022 2:34 PM	bl,C3u,C2u	0.000	4 926	0.000	0.000	828	526	0.000	0.000	0.9339	1.0000



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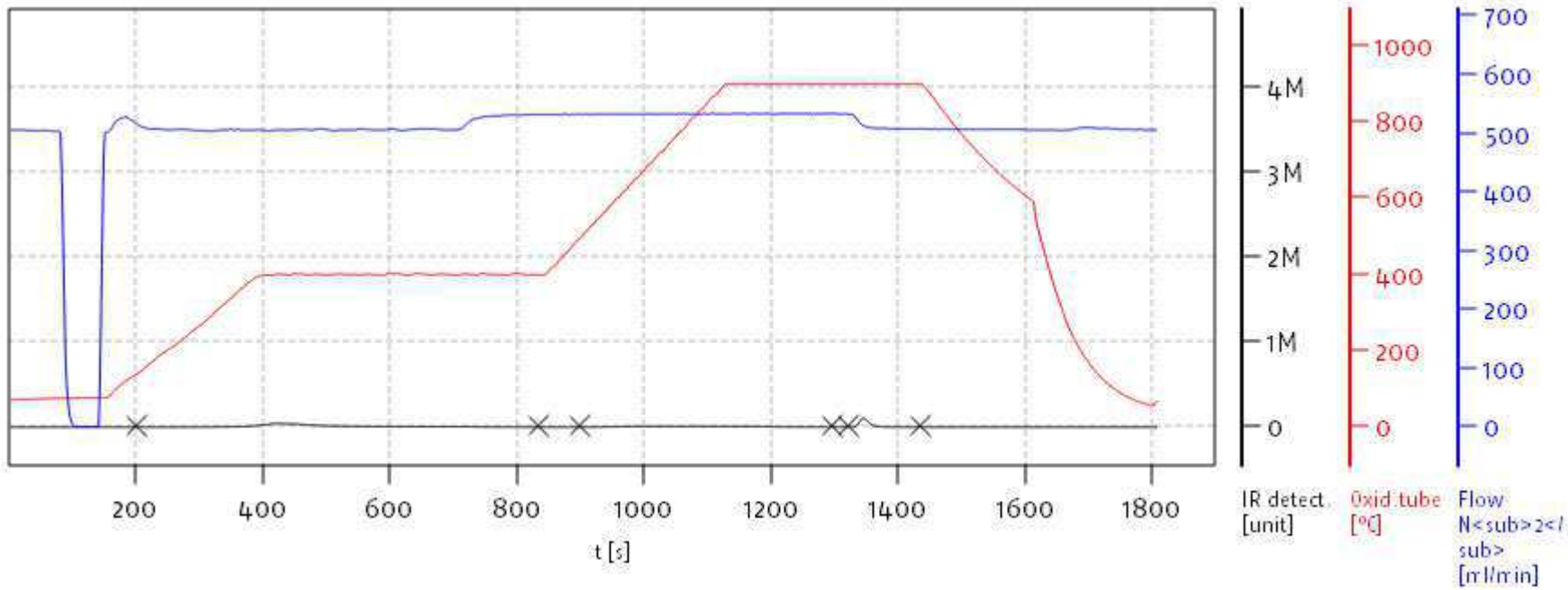
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
102	13	22L0155-23	518.30		CARBON	12/18/2022 3:04 PM	bl	0.066	218 043	0.085	0.013	69 875	87 961	0.053	0.018	0.9339	1.0000



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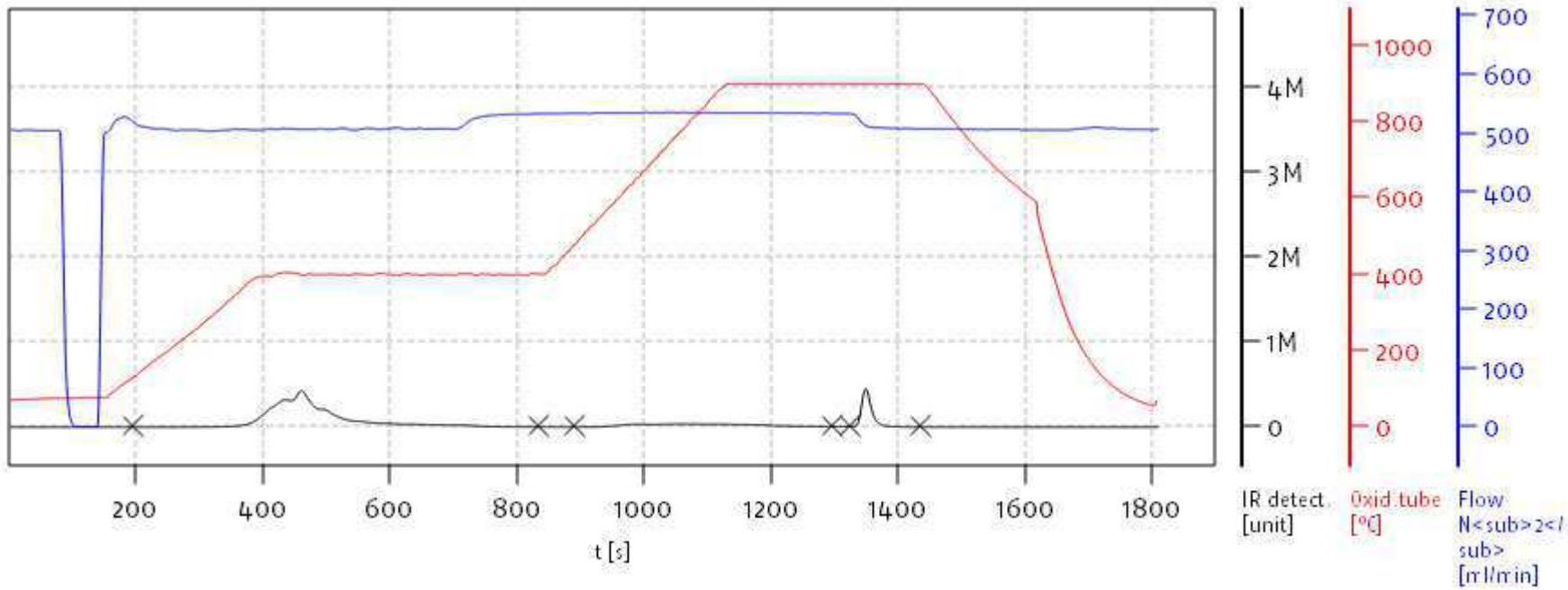
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
103	14	22L0155-24	505.70		CARBON	12/18/2022 3:35 PM	bl	0.546	1 629 490	0.639	0.088	314 031	330 258	0.458	0.093	0.9339	1.0000



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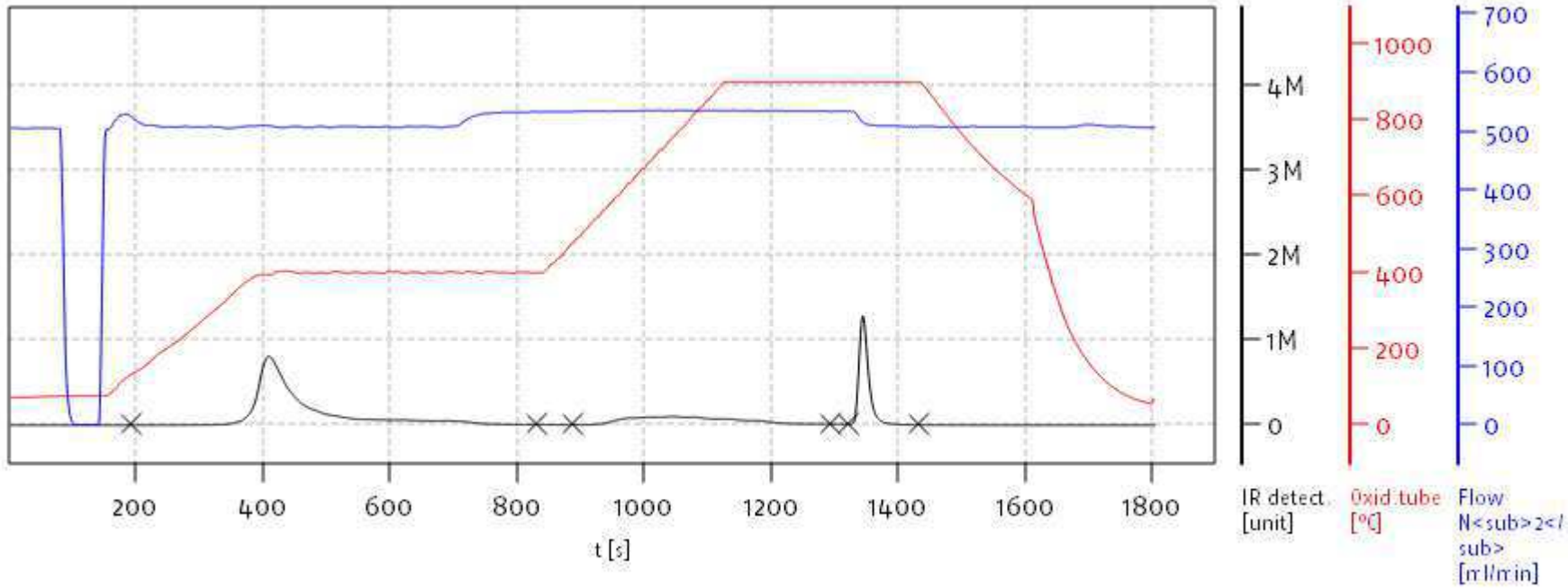
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
104	15	22L0155-25	525.00		CARBON	12/18/2022 4:05 PM	bl	0.921	2 485 870	1.155	0.244	854 639	817 392	0.677	0.233	0.9339	1.0000



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Serial No: 0300.181017
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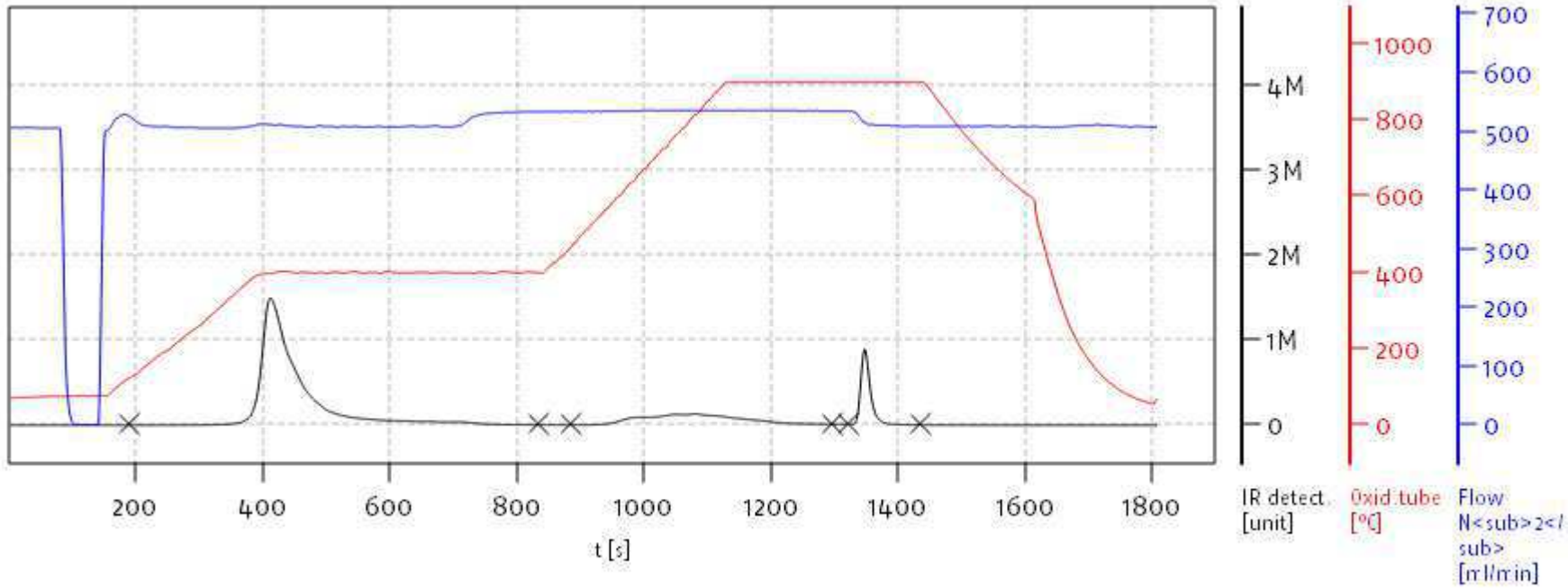
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
105	16	22L0155-26	550.10		CARBON	12/18/2022 4:36 PM	bl	1.135	3 729 610	1.395	0.161	600 257	951 434	0.973	0.260	0.9339	1.0000



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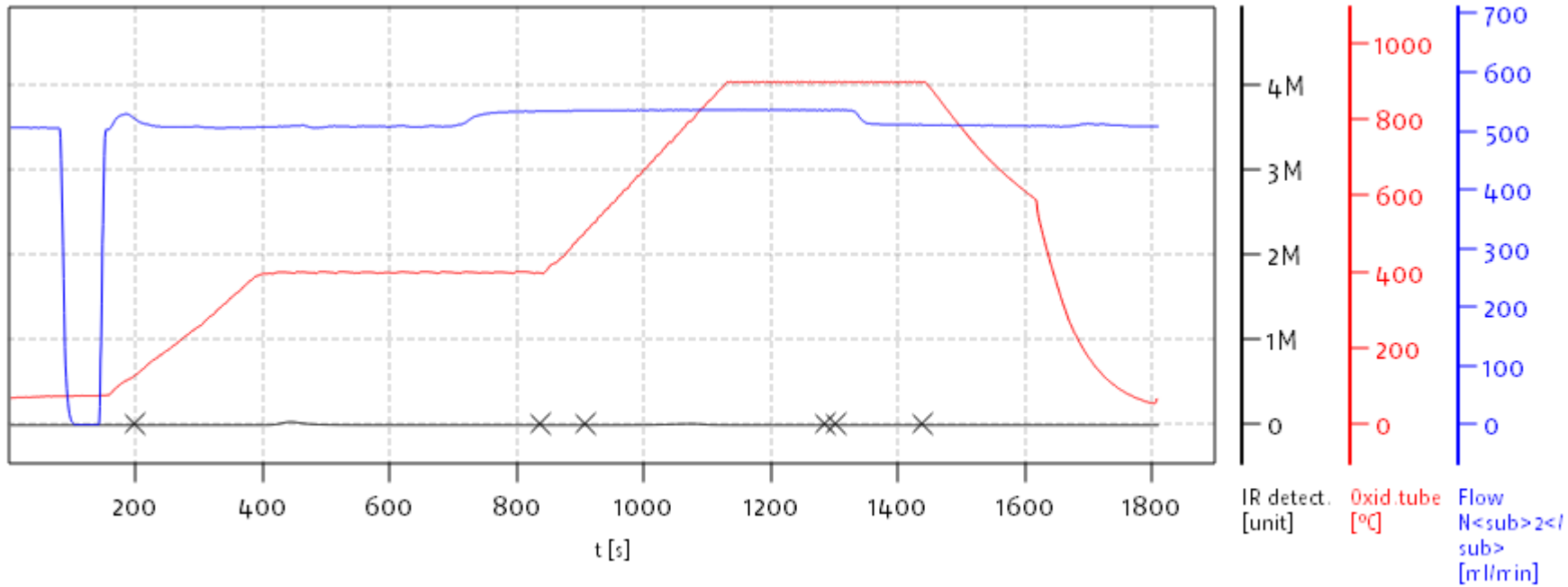
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
106	17	BKL0427-MRL1	510.50		CARBON	12/18/2022 5:06 PM	bl,C2u	0.011	66 562	0.014	0.000	325	35 996	0.011	0.003	0.9339	1.0000



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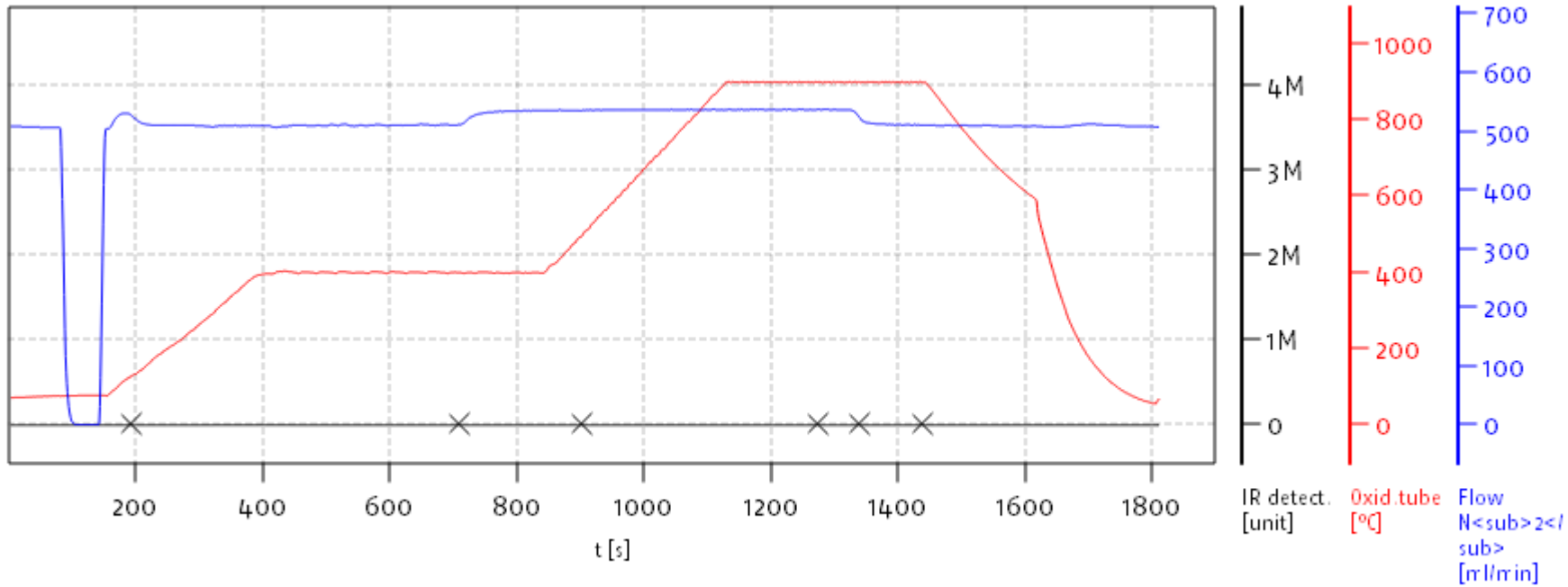
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
107	18	BKL0427-BLK1	512.90		CARBON	12/18/2022 5:37 PM	bl,C3u,C2u	0.000	7 326	0.000	0.000	336	1 287	0.000	0.000	0.9339	1.0000



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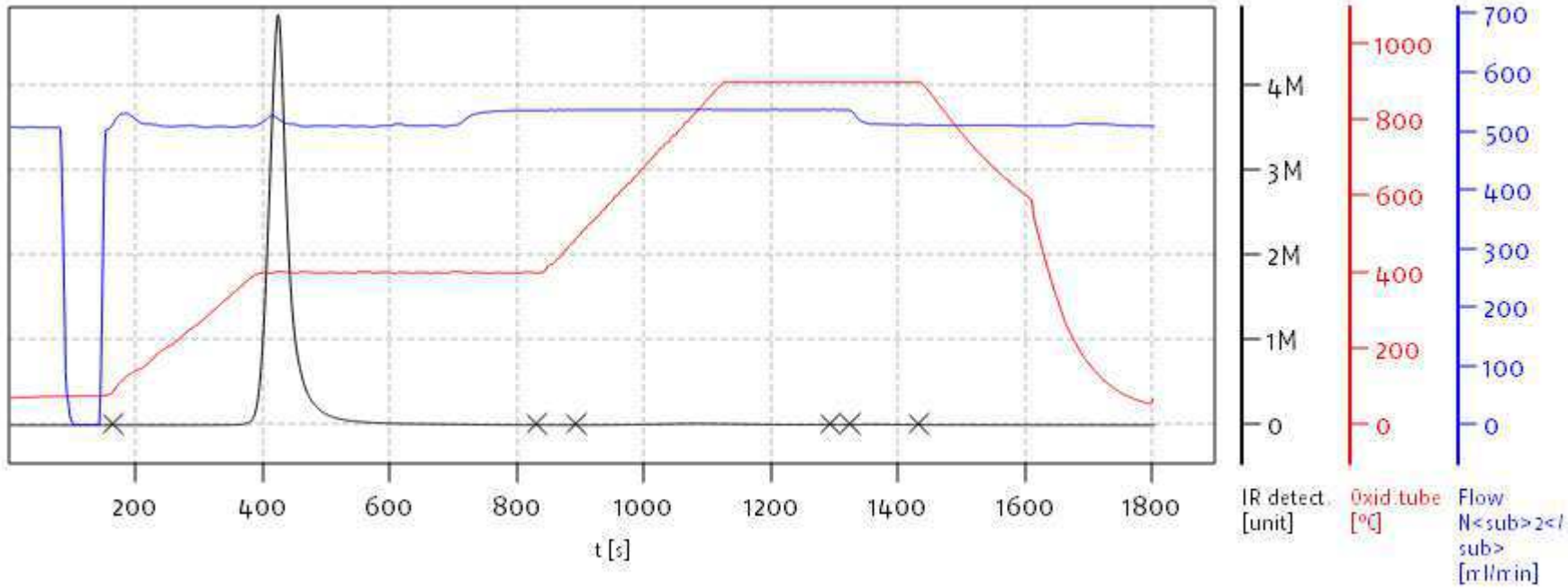
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
108	19	BKL0427-BS1	21.80		CARBON	12/18/2022 6:08 PM	bl	44.824	6 785 570	45.575	0.000	25 189	132 332	44.824	0.751	0.9339	1.0000



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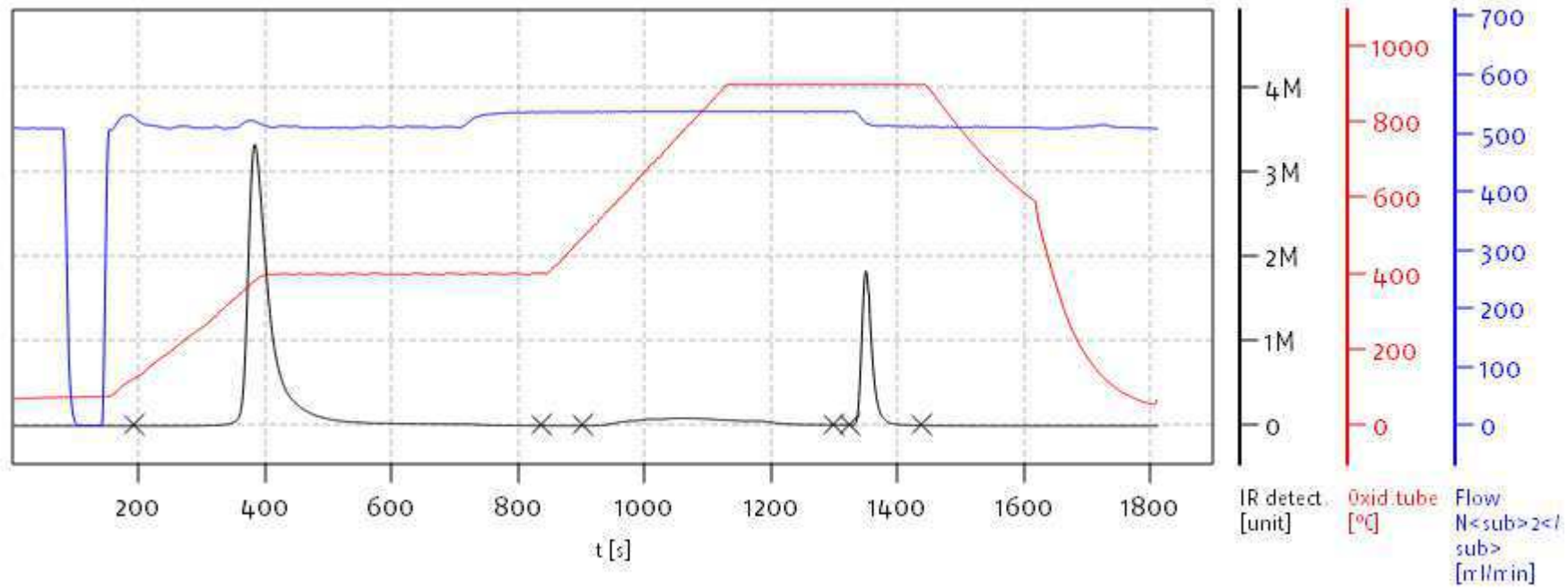
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
109	20	BKL0427-SRM1	311.00		CARBON	12/18/2022 6:38 PM	bl	3.048	5 204 460	3.404	0.641	1 314 380	742 484	2.407	0.356	0.9339	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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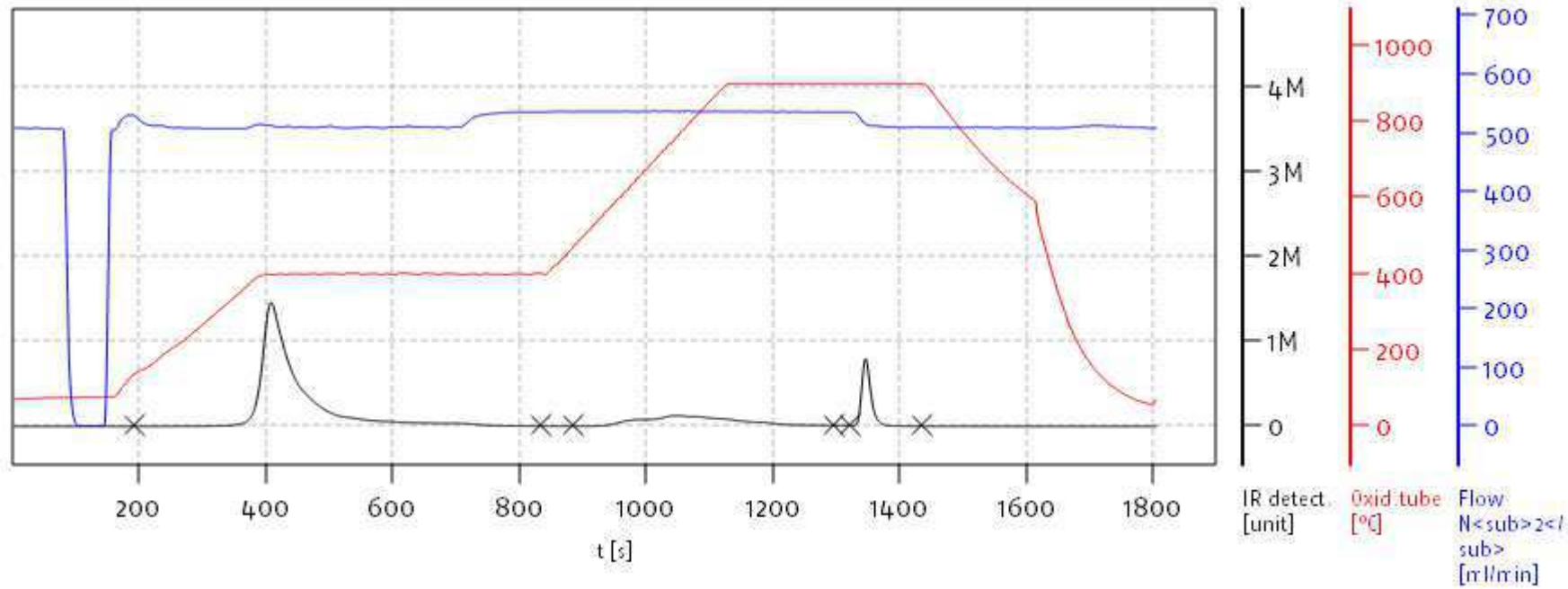
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
110	21	22L0155-27	514.70		CARBON	12/18/2022 7:09 PM	bl	1.133	3 538 770	1.383	0.147	513 921	858 300	0.987	0.250	0.9339	1.0000



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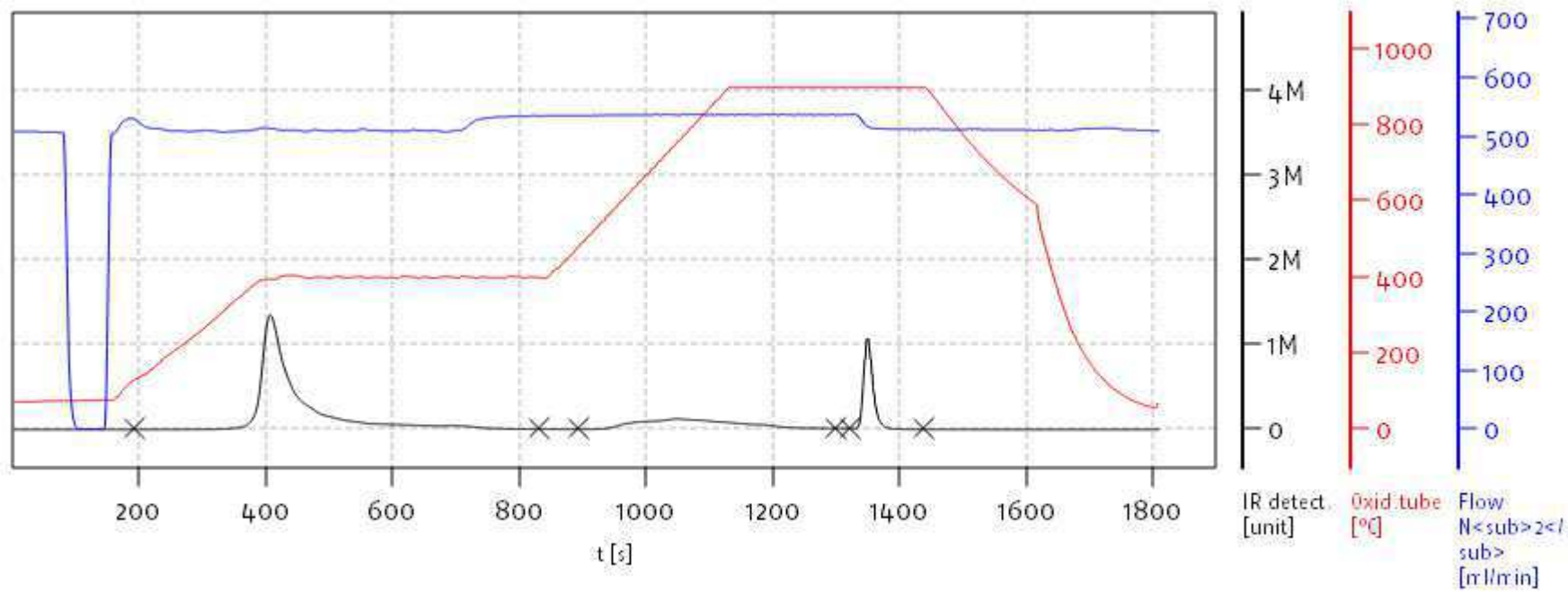
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
111	22	BKL0427-DUP1	513.40		CARBON	12/18/2022 7:39 PM	bl	1.089	3 165 300	1.358	0.205	705 330	919 454	0.884	0.269	0.9339	1.0000



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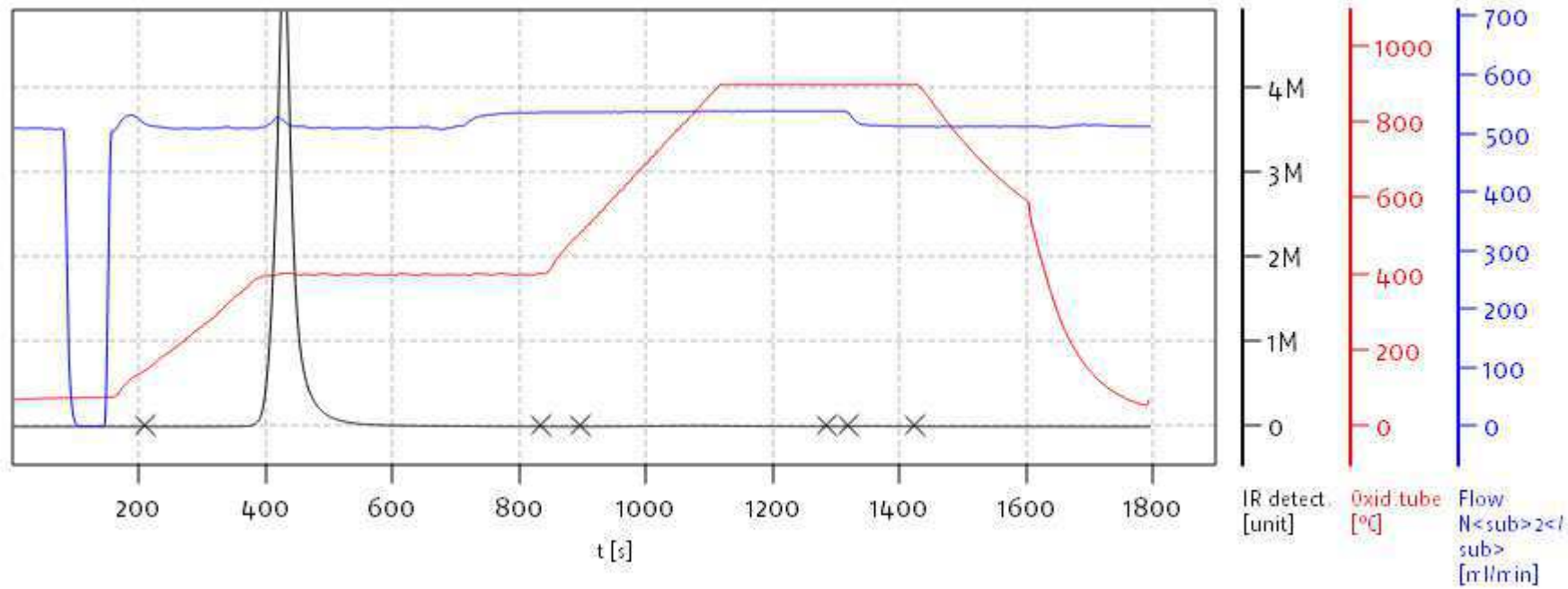
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
112	23	SKL0217-CCV9	21.30		CARBON	12/18/2022 8:09 PM	bl	45.314	6 702 750	45.672	0.000	13 935	75 912	45.314	0.359	0.9339	1.0000



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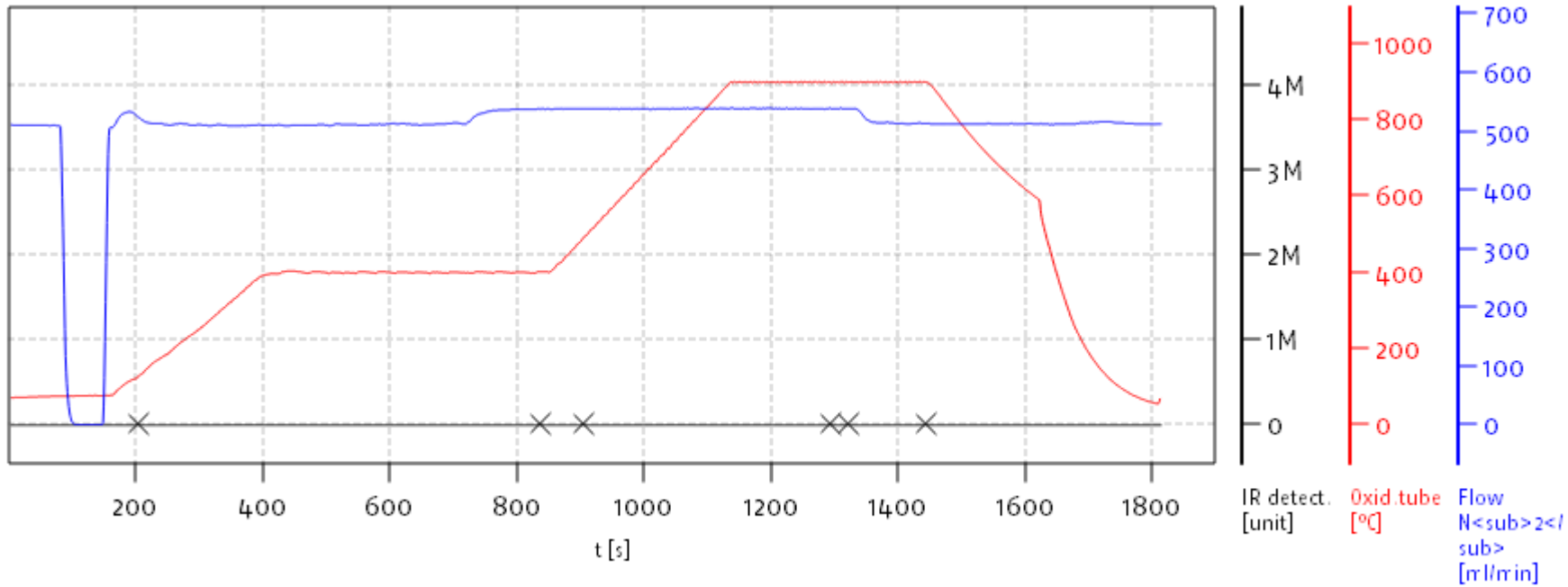
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
113	24	SKL0217-CCB9	508.00		CARBON	12/18/2022 8:40 PM	bl,C2u	0.000	4 634	0.000	0.000	485	3 595	0.000	0.000	0.9339	1.0000



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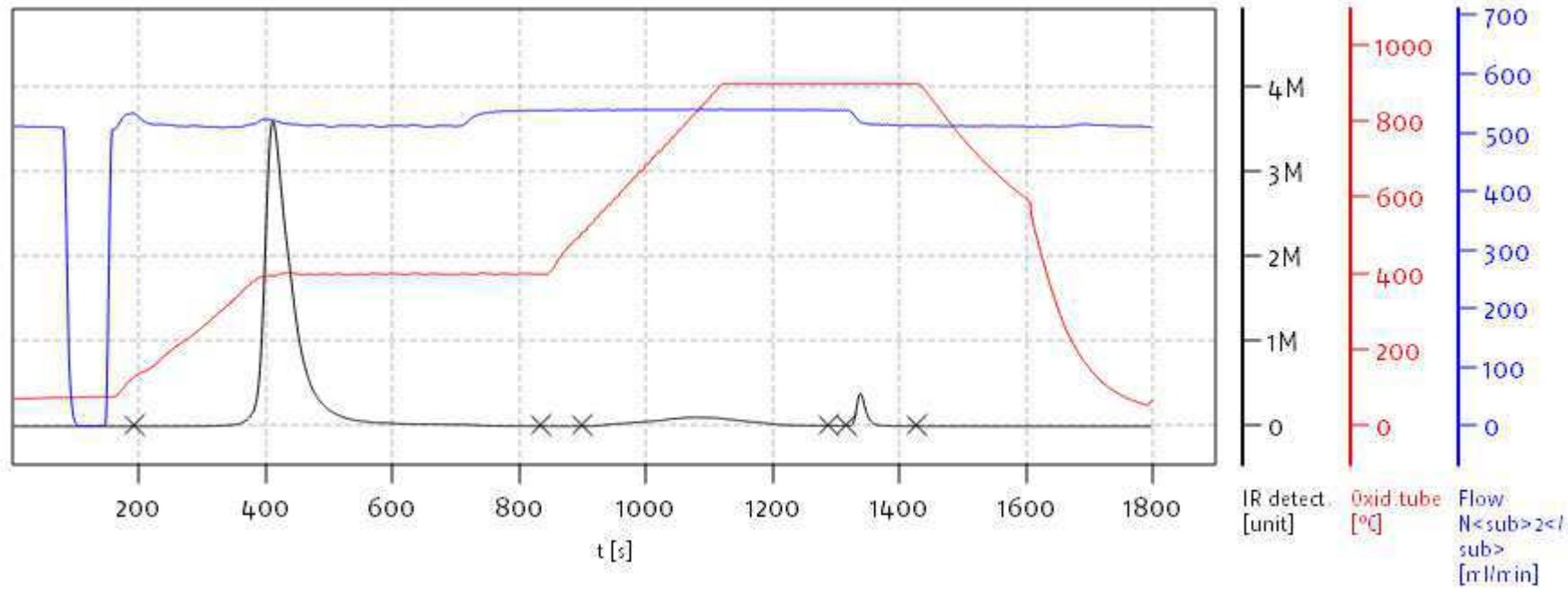
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
114	25	BKL0427-MS1	529.10	0.0087	CARBON	12/18/2022 9:11 PM	bl	1.940	6 878 110	2.144	0.068	258 197	722 779	1.872	0.204	0.9339	1.0000



Name:

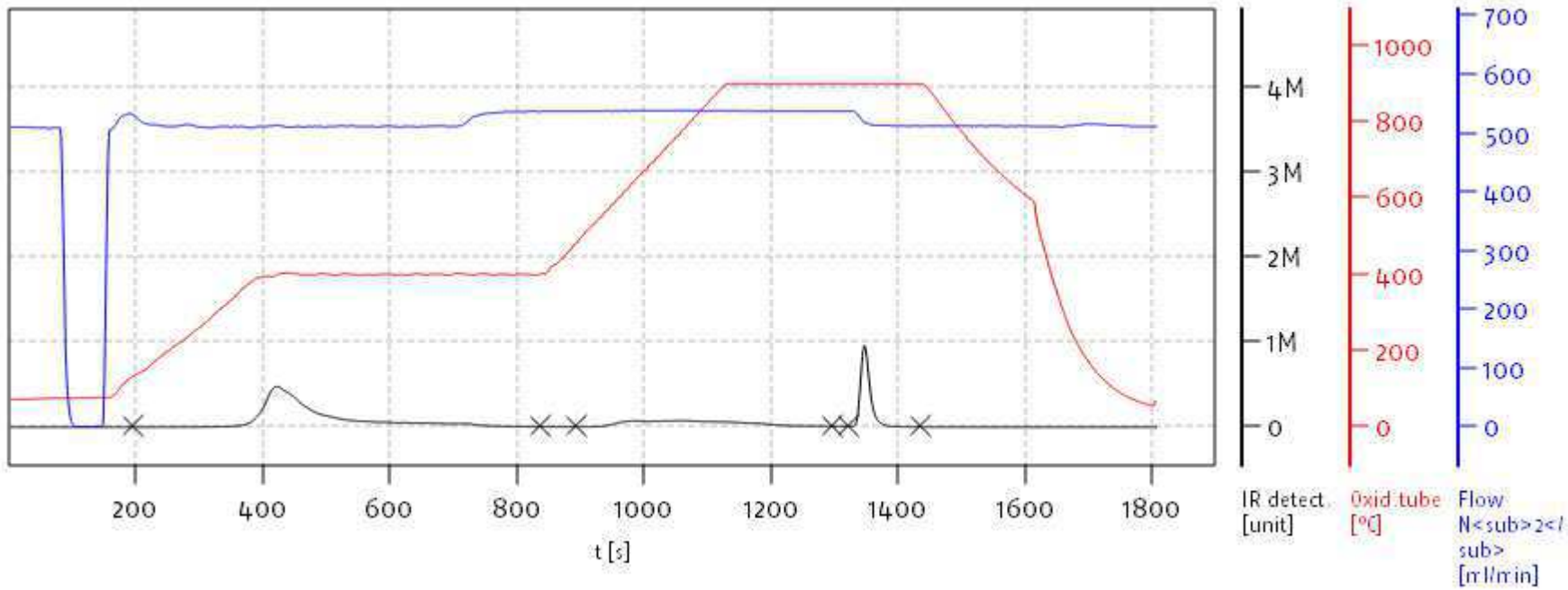
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
115	26	22L0155-28	540.40		CARBON	12/18/2022 9:41 PM	bl	0.660	1 850 440	0.841	0.172	627 969	656 593	0.488	0.180	0.9339	1.0000



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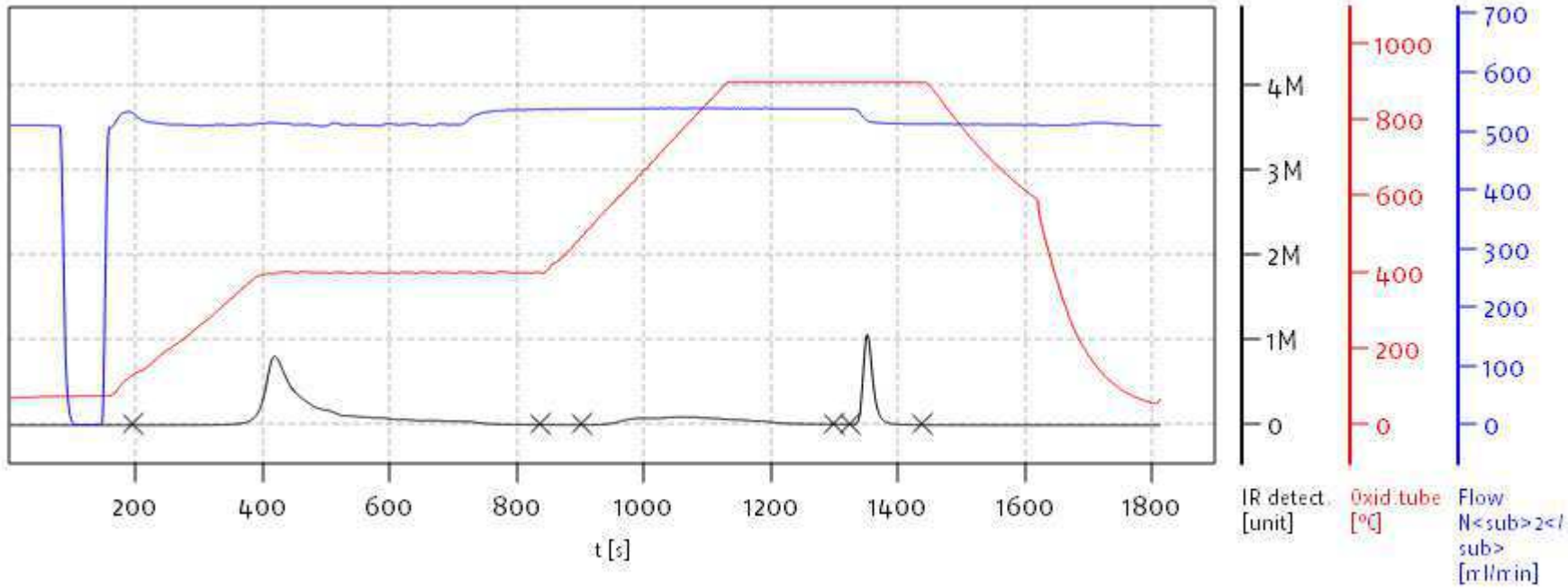
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
116	27	22L0155-29	512.90		CARBON	12/18/2022 10:12 PM	bl	0.903	2 468 130	1.124	0.215	738 726	757 098	0.688	0.220	0.9339	1.0000



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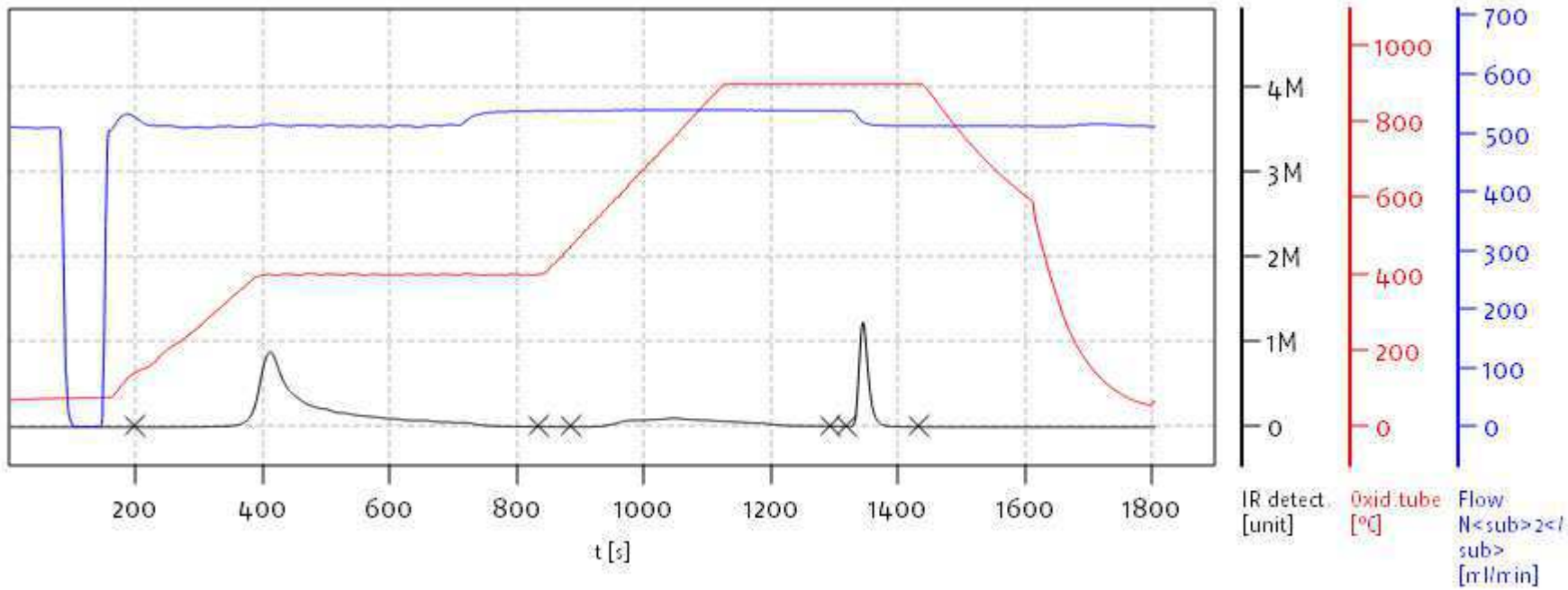
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
117	28	22L0155-30	534.80		CARBON	12/18/2022 10:42 PM	bl	1.023	2 977 200	1.237	0.226	805 951	764 278	0.798	0.214	0.9339	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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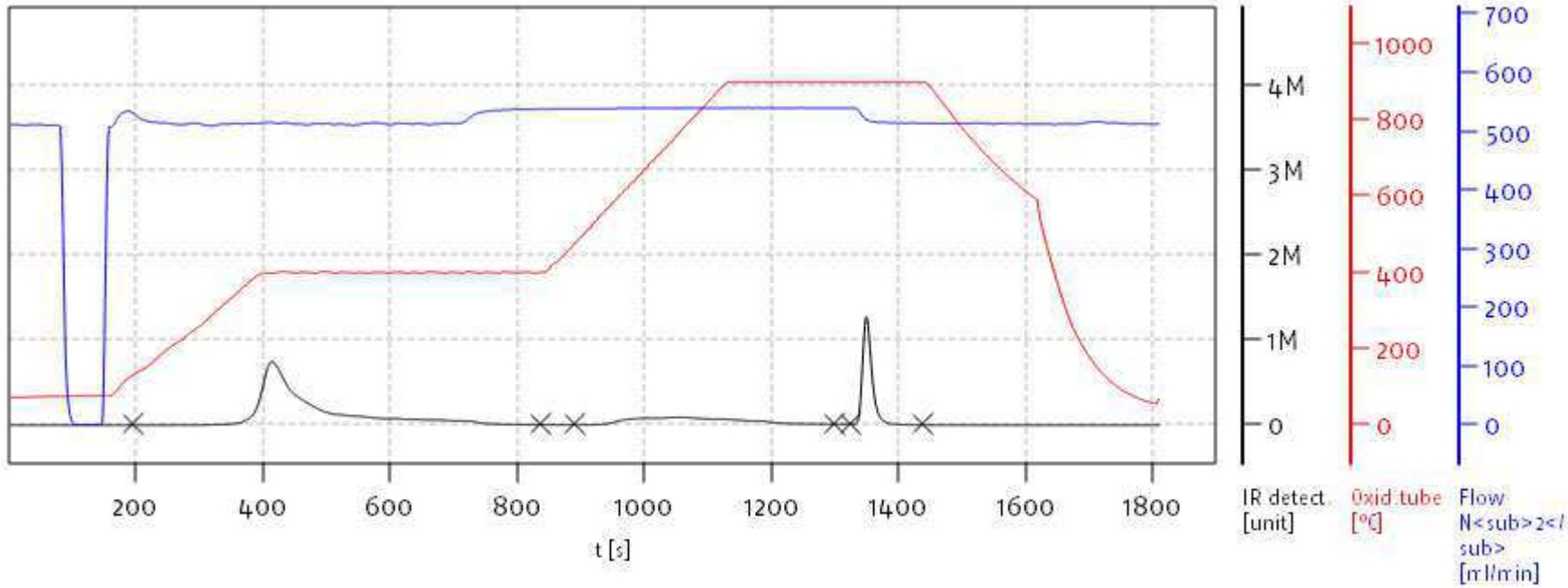
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
118	29	22L0155-31	501.70		CARBON	12/18/2022 11:13 PM	bl	0.965	2 516 370	1.186	0.248	830 152	742 498	0.717	0.221	0.9339	1.0000



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Serial No: 0300.181017
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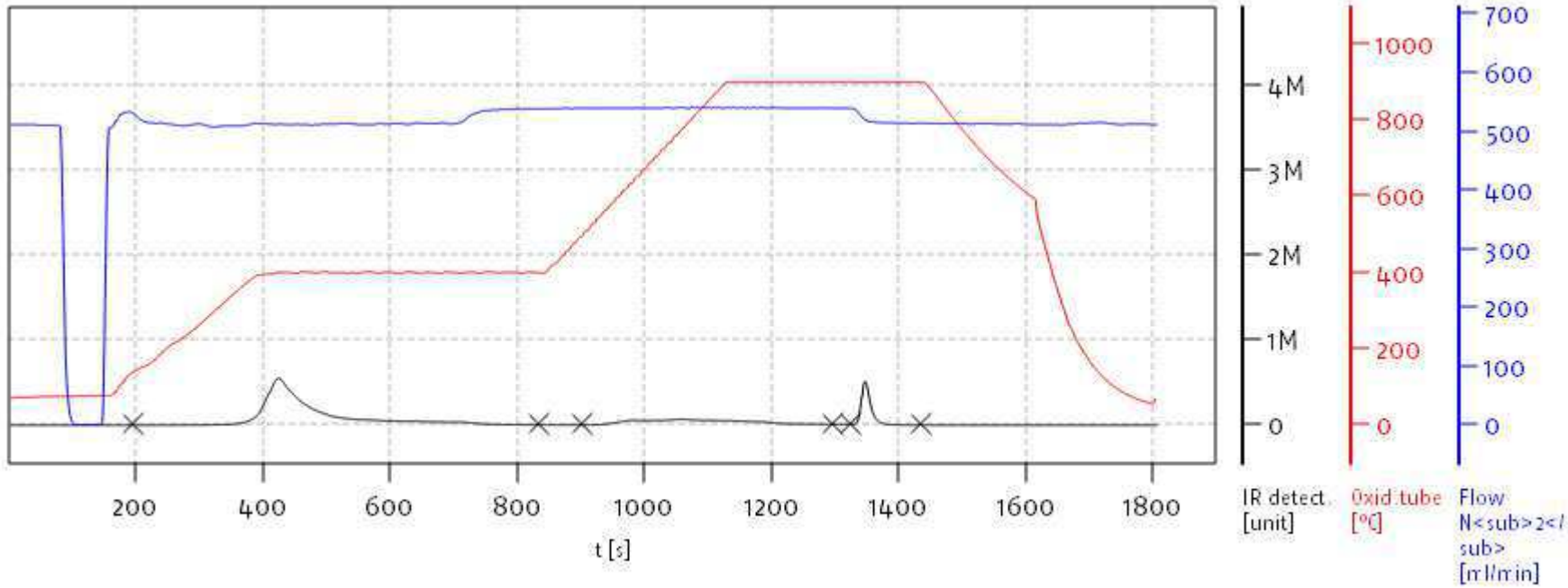
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
119	30	22L0155-32	529.40		CARBON	12/18/2022 11:43 PM	bl	0.588	1 850 130	0.743	0.090	335 540	556 687	0.498	0.155	0.9339	1.0000



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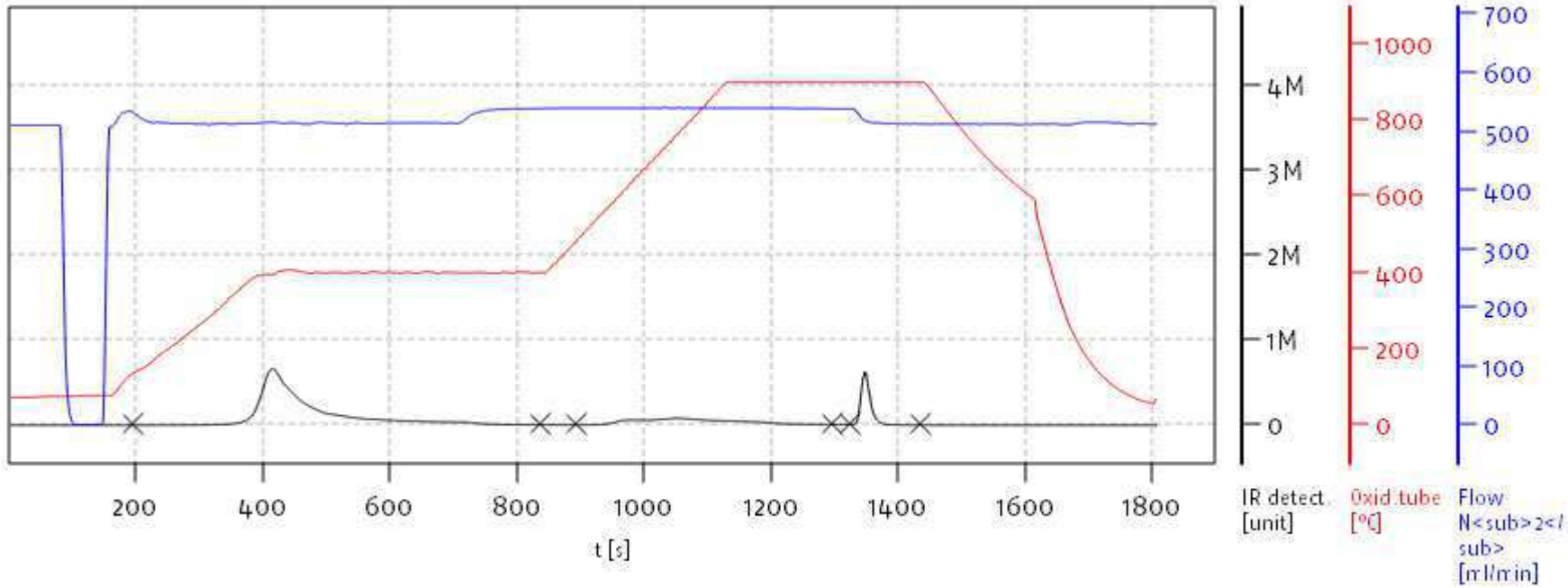
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
120	31	22L0155-33	501.10		CARBON	12/19/2022 12:14 AM	bl	0.749	2 216 440	0.922	0.117	404 831	589 218	0.632	0.174	0.9339	1.0000



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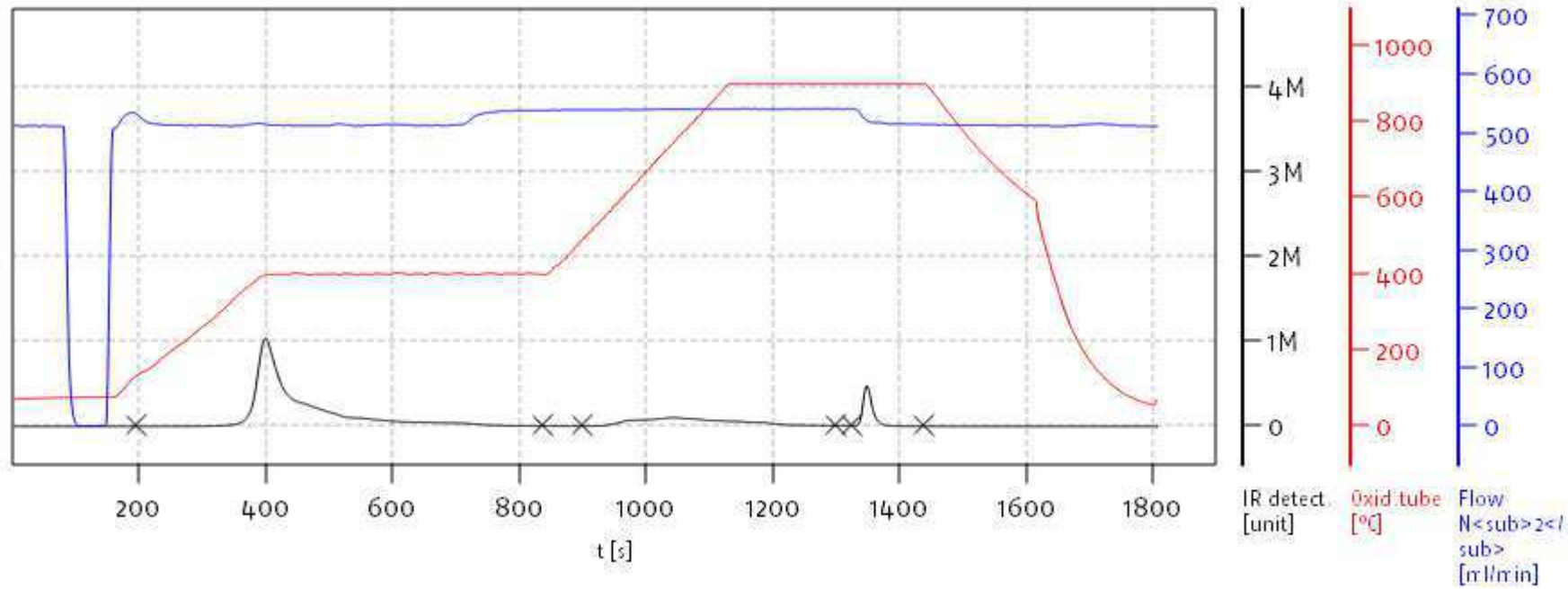
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
121	32	22L0155-34	503.70		CARBON	12/19/2022 12:44 AM	bl	0.880	2 789 390	1.097	0.087	310 682	730 848	0.793	0.216	0.9339	1.0000



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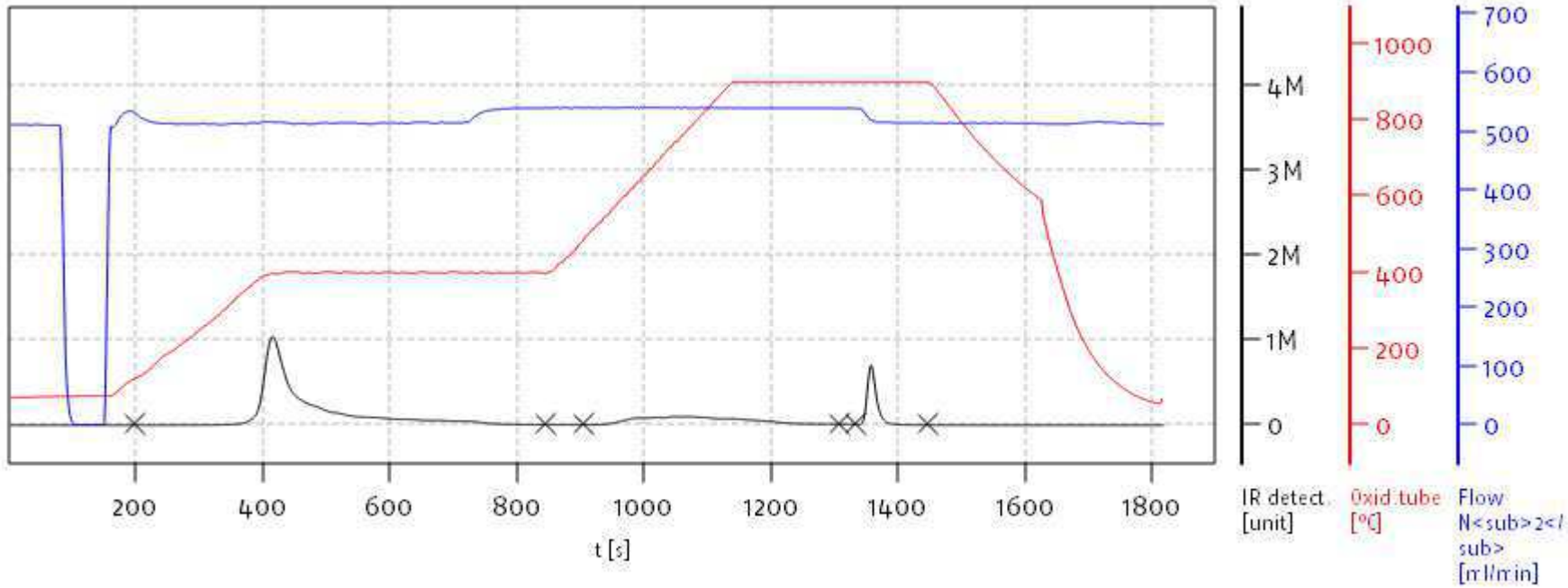
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
122	33	22L0155-35	541.60		CARBON	12/19/2022 1:15 AM	bl	0.845	2 733 430	1.068	0.122	453 399	806 624	0.723	0.223	0.9339	1.0000



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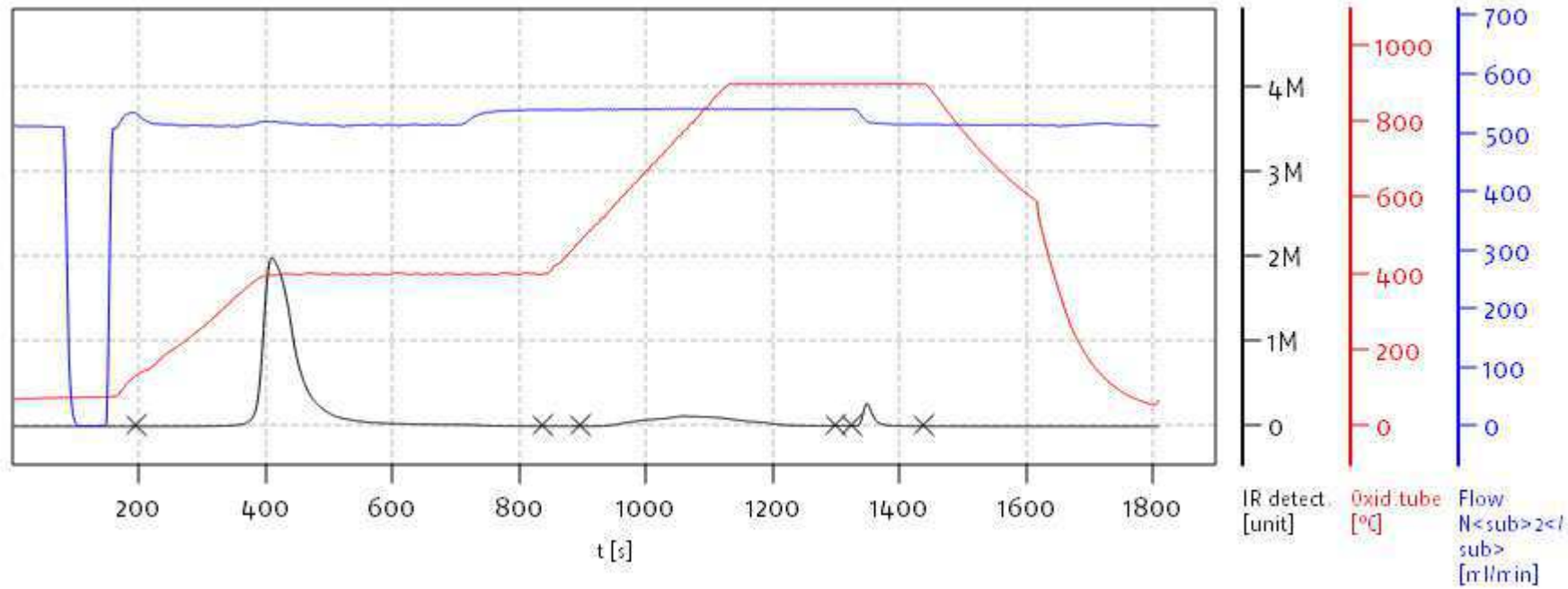
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
123	34	22L0155-36	622.50		CARBON	12/19/2022 1:46 AM	bl	1.094	4 560 040	1.287	0.041	191 970	804 056	1.053	0.193	0.9339	1.0000



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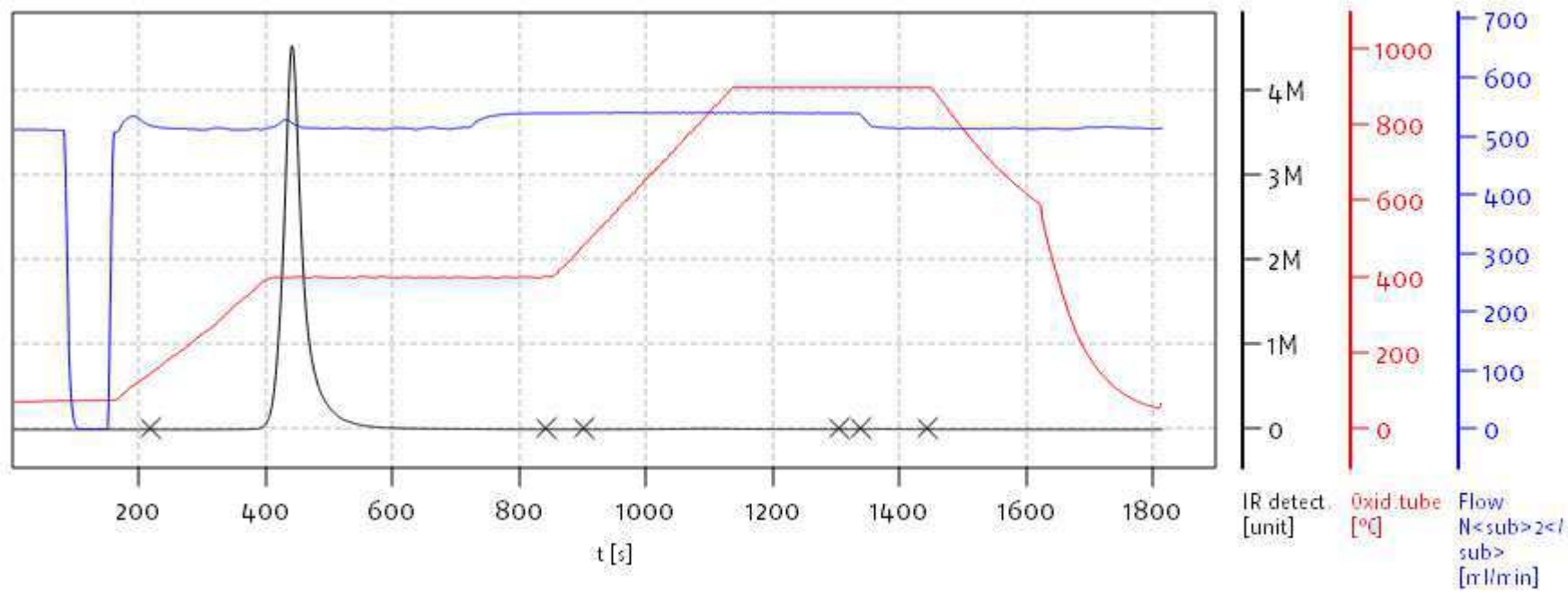
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
124	35	SKL0217-CCVA	20.30		CARBON	12/19/2022 2:16 AM	bl	44.705	6 303 870	45.068	0.000	15 233	74 069	44.705	0.362	0.9339	1.0000



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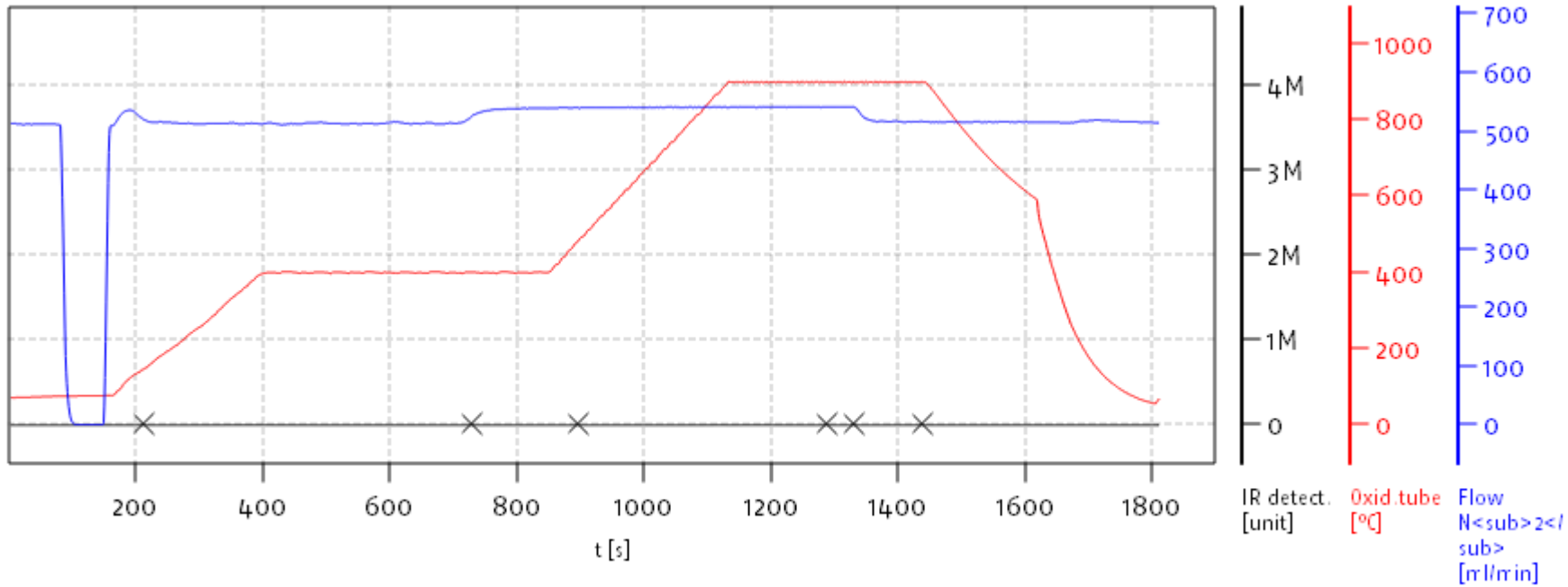
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
125	36	SKL0217-CCBA	505.40		CARBON	12/19/2022 2:47 AM	bl,C2u	0.000	3 891	0.000	0.000	329	3 860	0.000	0.000	0.9339	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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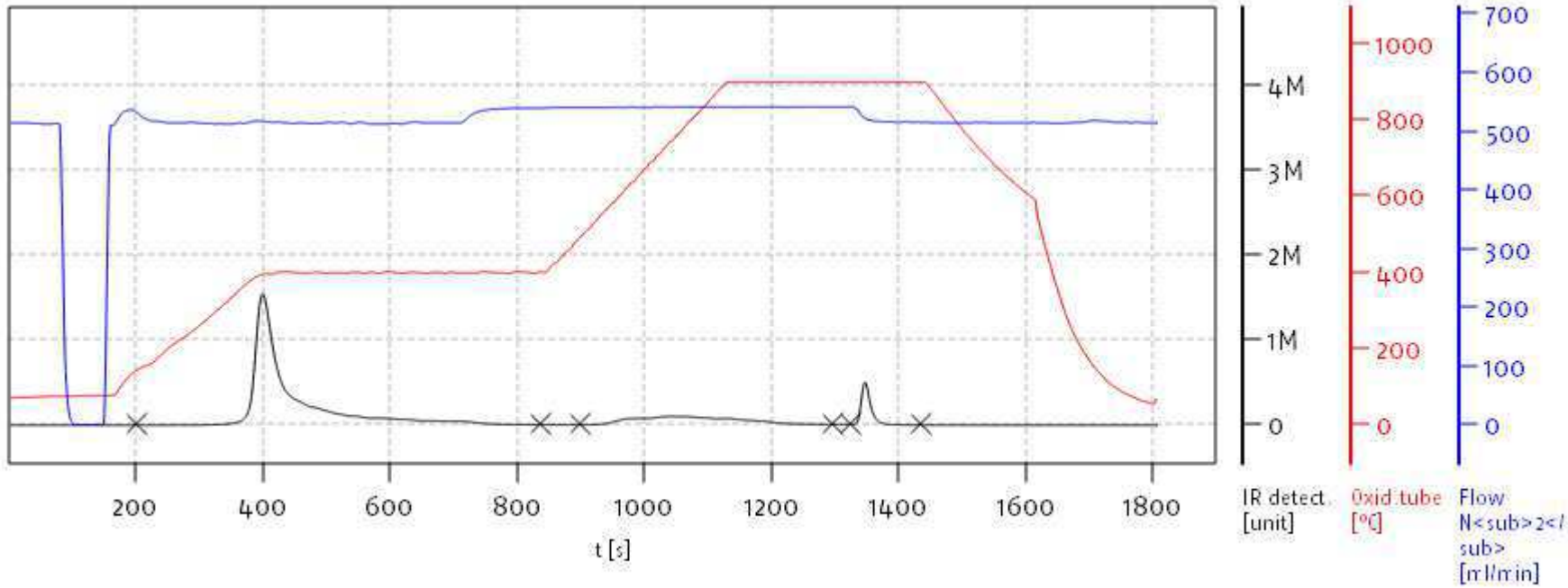
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
126	37	22L0155-37	537.10		CARBON	12/19/2022 3:17 AM	bl	0.983	3 350 610	1.208	0.089	333 816	804 873	0.895	0.224	0.9339	1.0000



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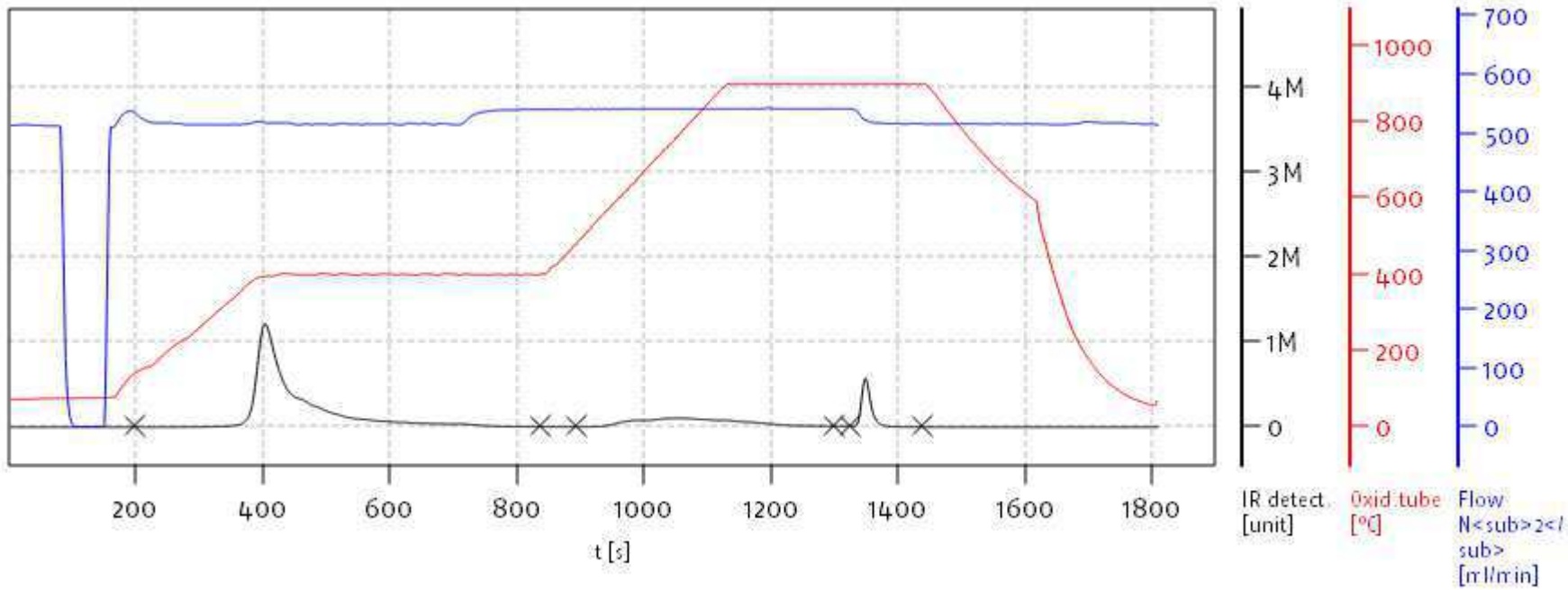
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
127	38	22L0155-38	515.40		CARBON	12/19/2022 3:48 AM	bl	0.970	3 111 150	1.206	0.105	375 718	811 807	0.865	0.236	0.9339	1.0000



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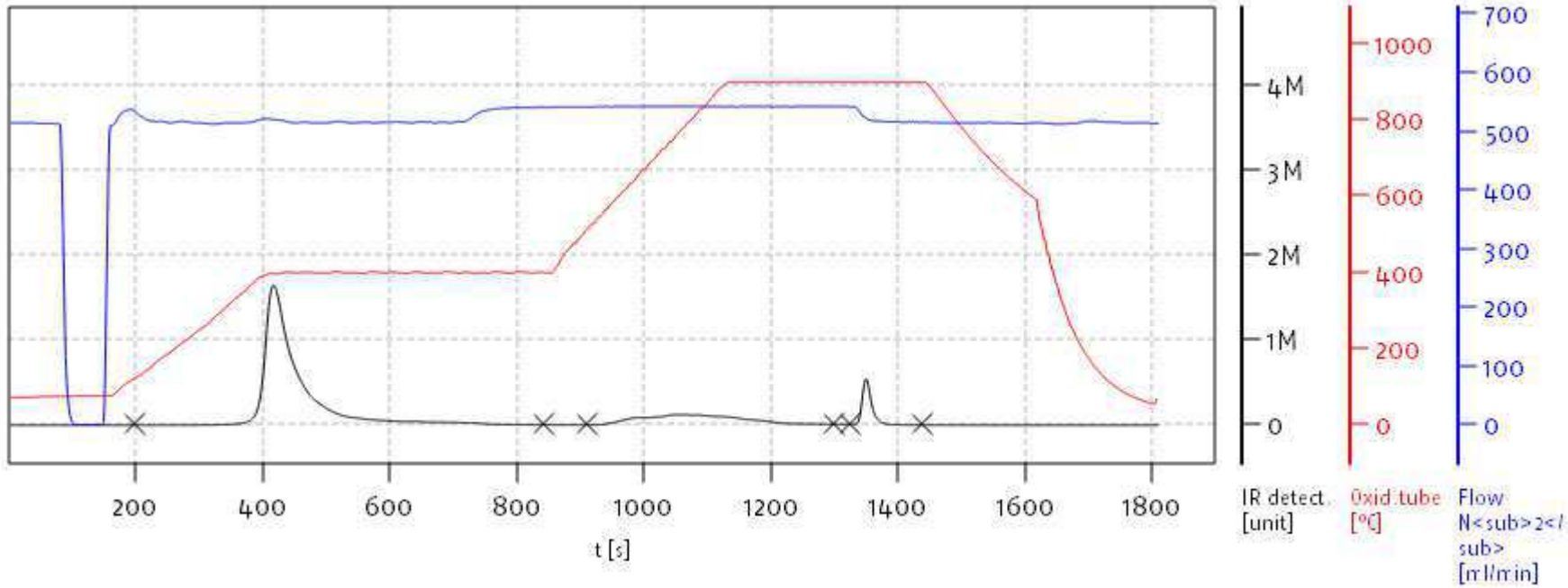
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
128	39	22L0155-39	573.30		CARBON	12/19/2022 4:18 AM	bl	1.017	3 702 650	1.258	0.090	359 396	920 469	0.927	0.241	0.9339	1.0000



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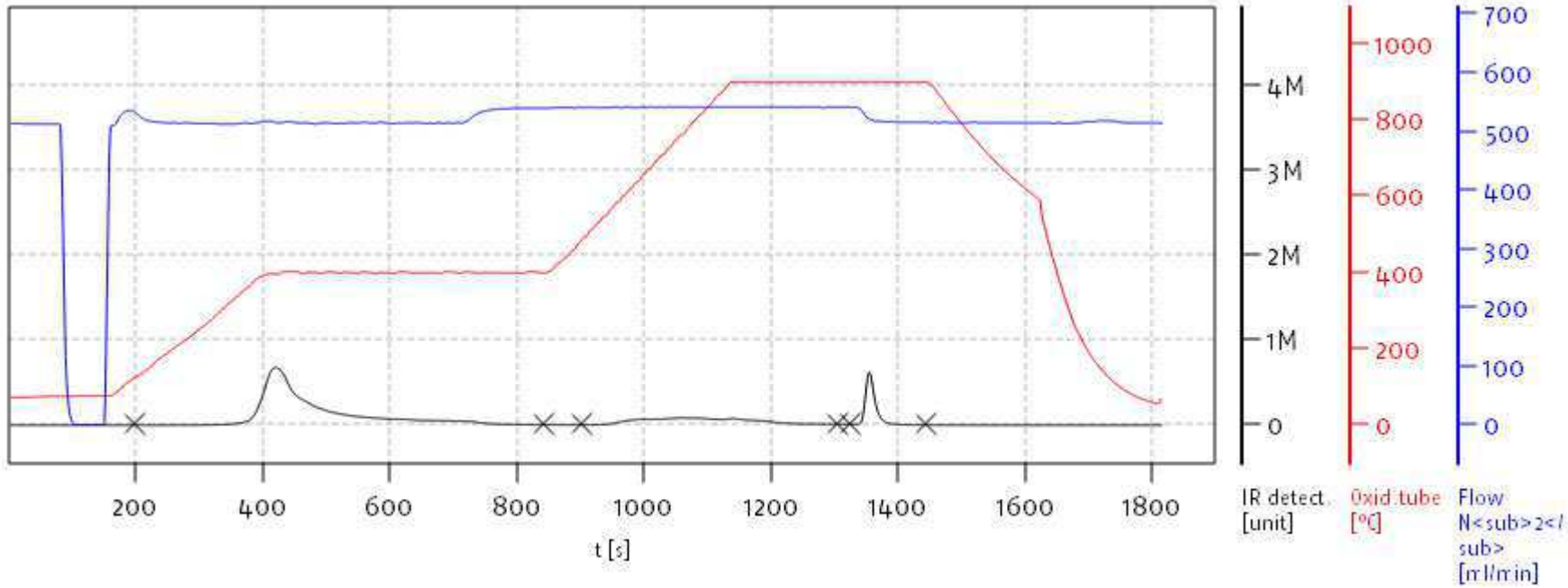
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
129	40	22L0155-40	516.70		CARBON	12/19/2022 4:49 AM	bl	0.792	2 433 790	0.996	0.118	421 587	708 183	0.674	0.204	0.9339	1.0000



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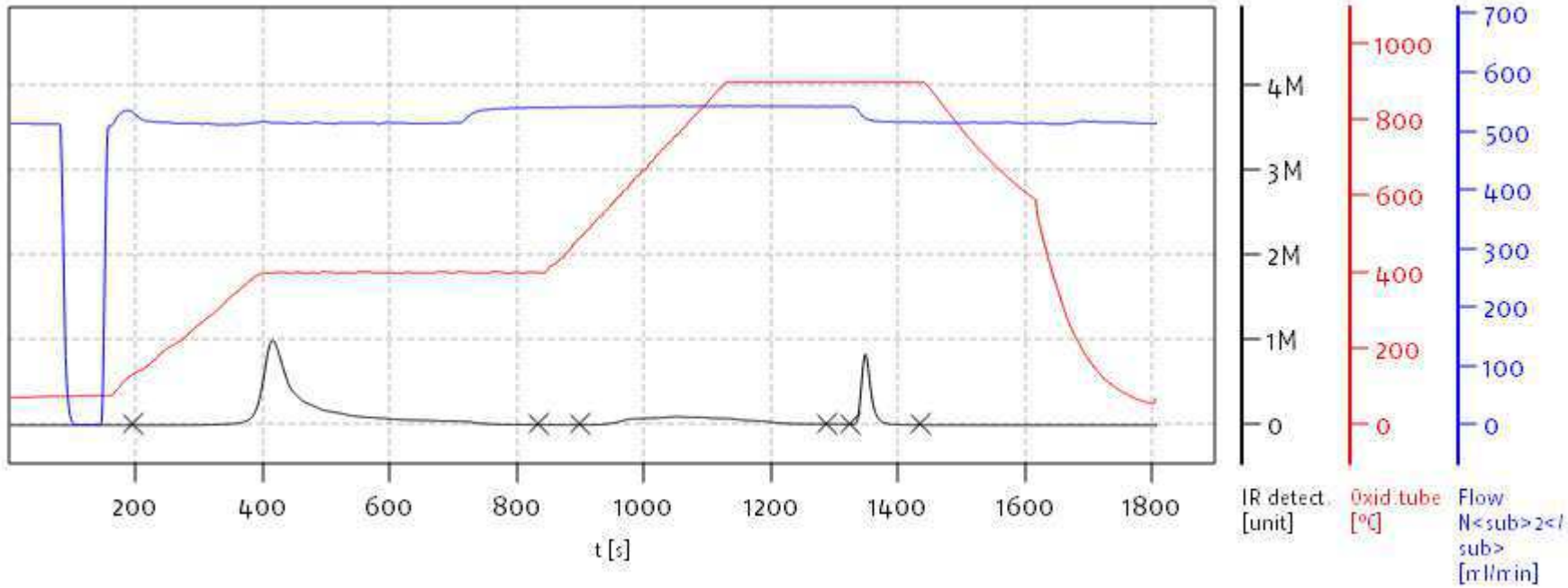
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
130	41	22L0155-41	500.90		CARBON	12/19/2022 5:20 AM	bl	0.953	2 757 590	1.183	0.165	560 587	770 733	0.788	0.230	0.9339	1.0000



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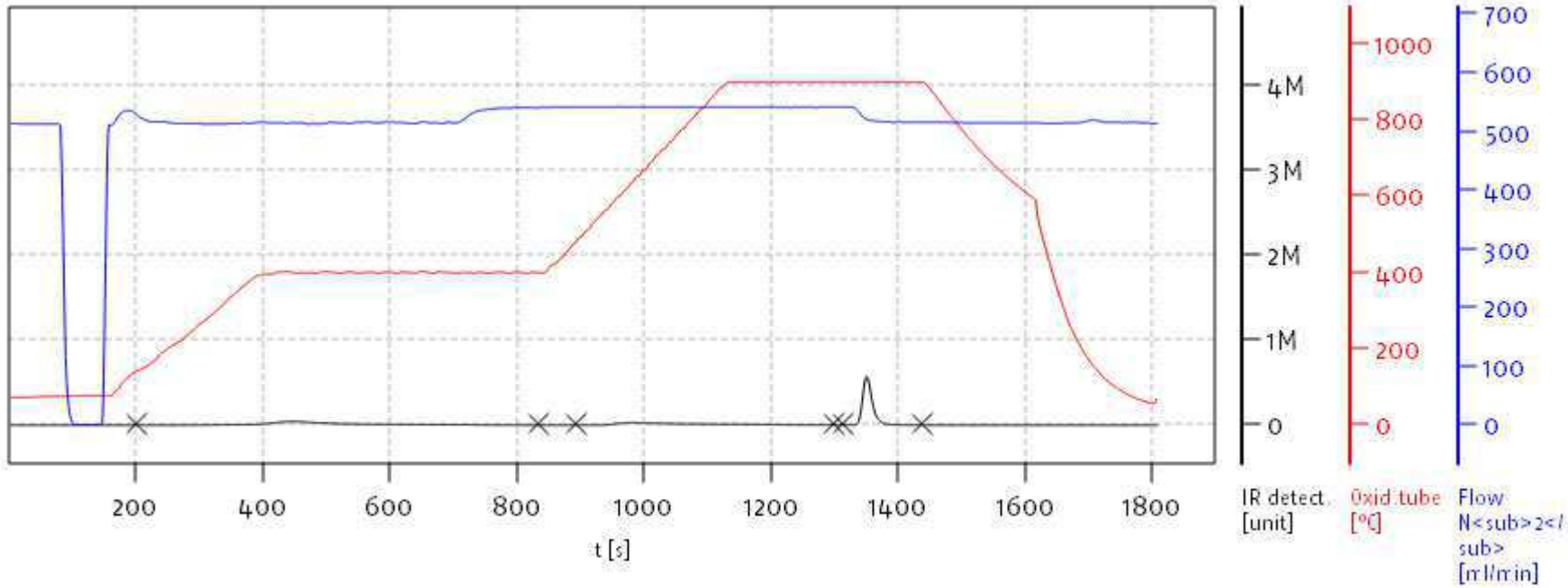
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
131	42	22L0155-42	502.30		CARBON	12/19/2022 5:50 AM	bl	0.169	231 882	0.212	0.110	384 258	164 325	0.059	0.042	0.9339	1.0000



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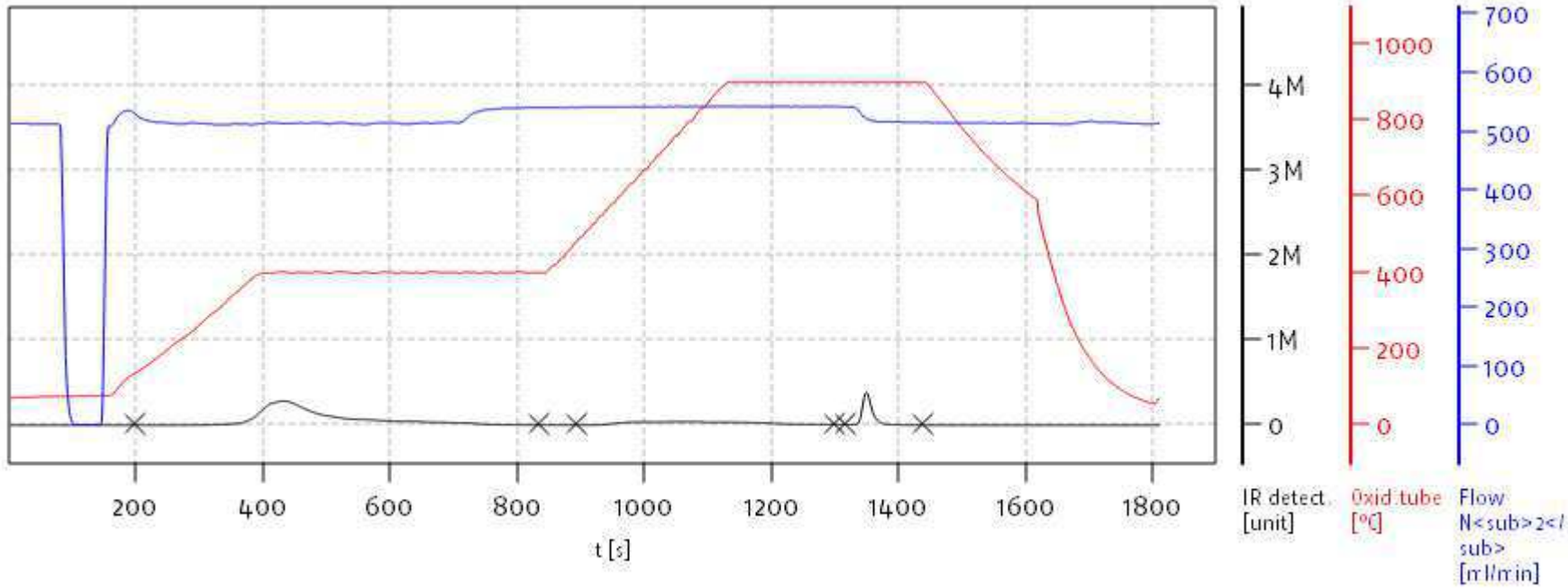
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
132	43	22L0155-43	509.80		CARBON	12/19/2022 6:21 AM	bl	0.463	1 409 690	0.566	0.071	259 052	365 753	0.392	0.103	0.9339	1.0000



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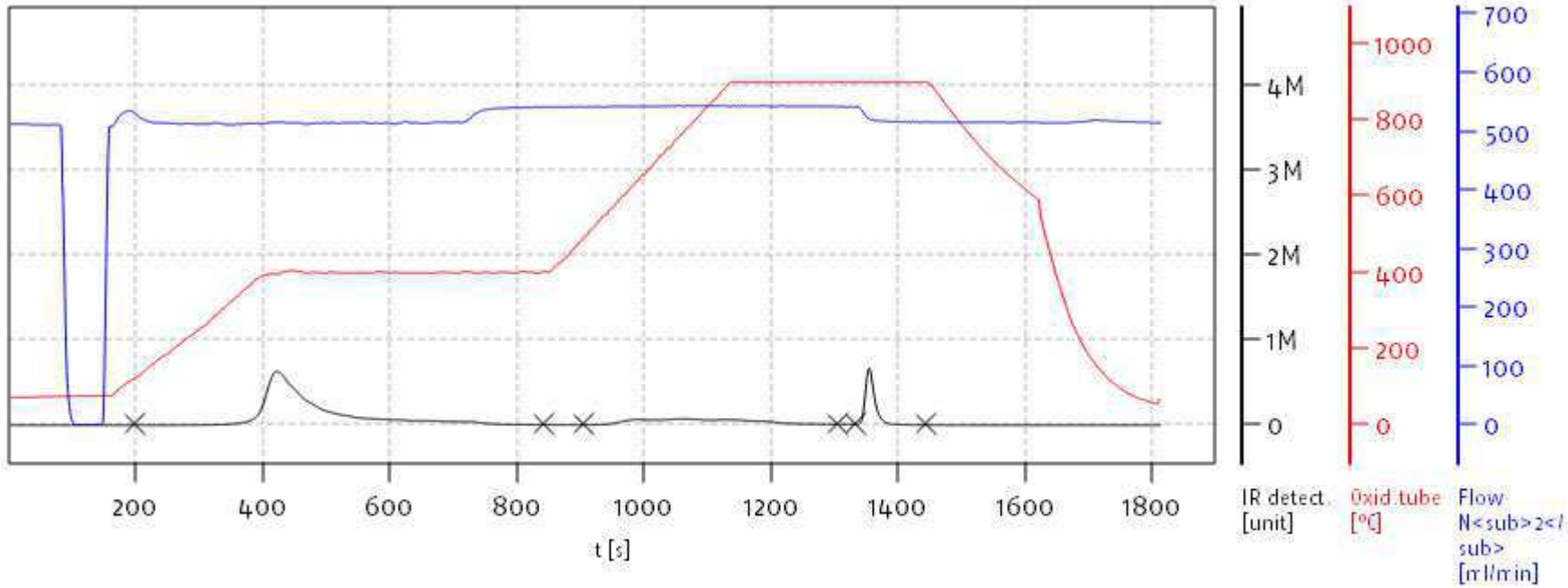
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
133	44	22L0155-44	522.10		CARBON	12/19/2022 6:51 AM	bl	0.740	2 258 700	0.919	0.122	436 962	632 127	0.618	0.180	0.9339	1.0000



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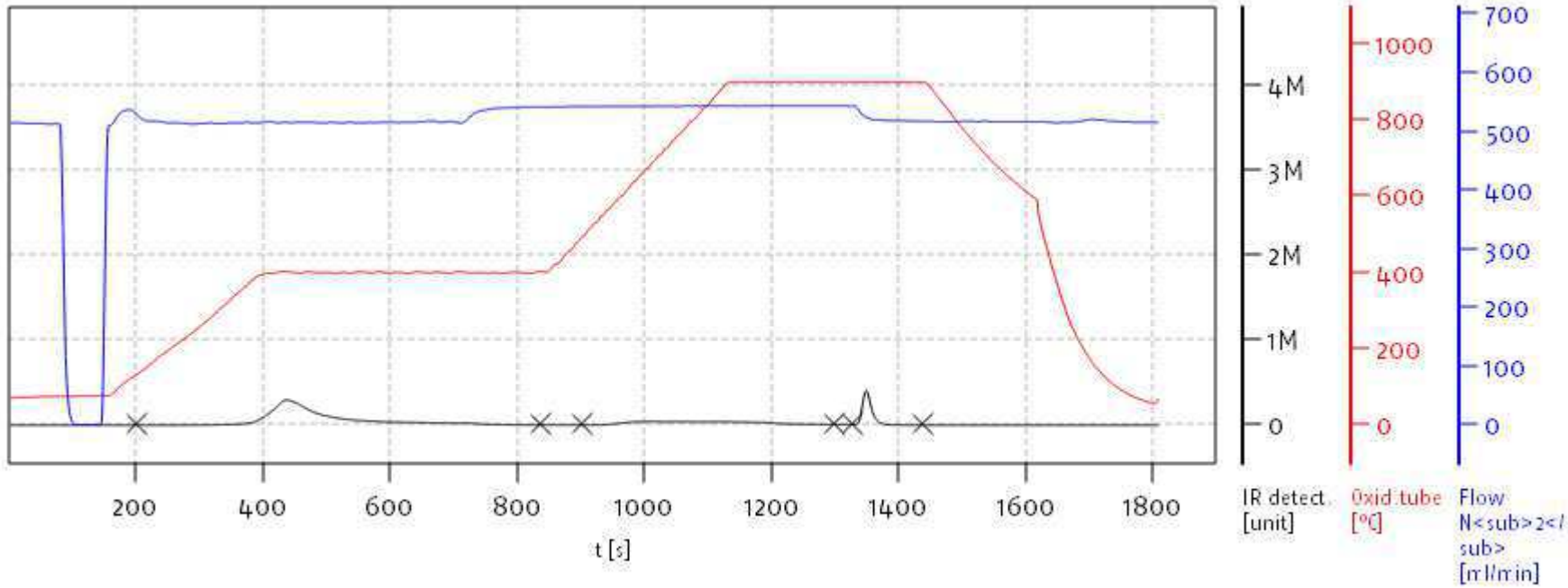
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
134	45	22L0155-45	518.50		CARBON	12/19/2022 7:22 AM	bl	0.398	1 202 780	0.510	0.070	261 965	399 327	0.328	0.111	0.9339	1.0000



Name:

Access: soliTOC superuser

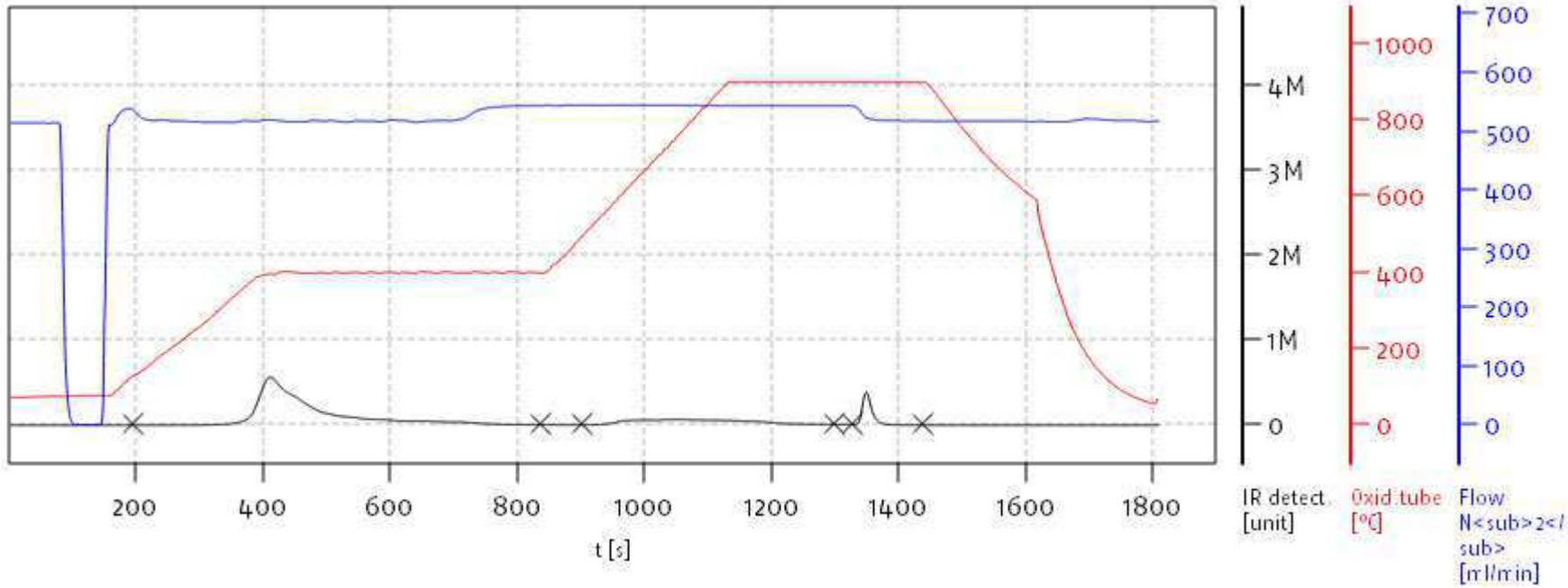
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
135	46	22L0155-46	528.90		CARBON	12/19/2022 7:53 AM	bl	0.640	2 122 680	0.802	0.067	255 287	580 235	0.573	0.162	0.9339	1.0000



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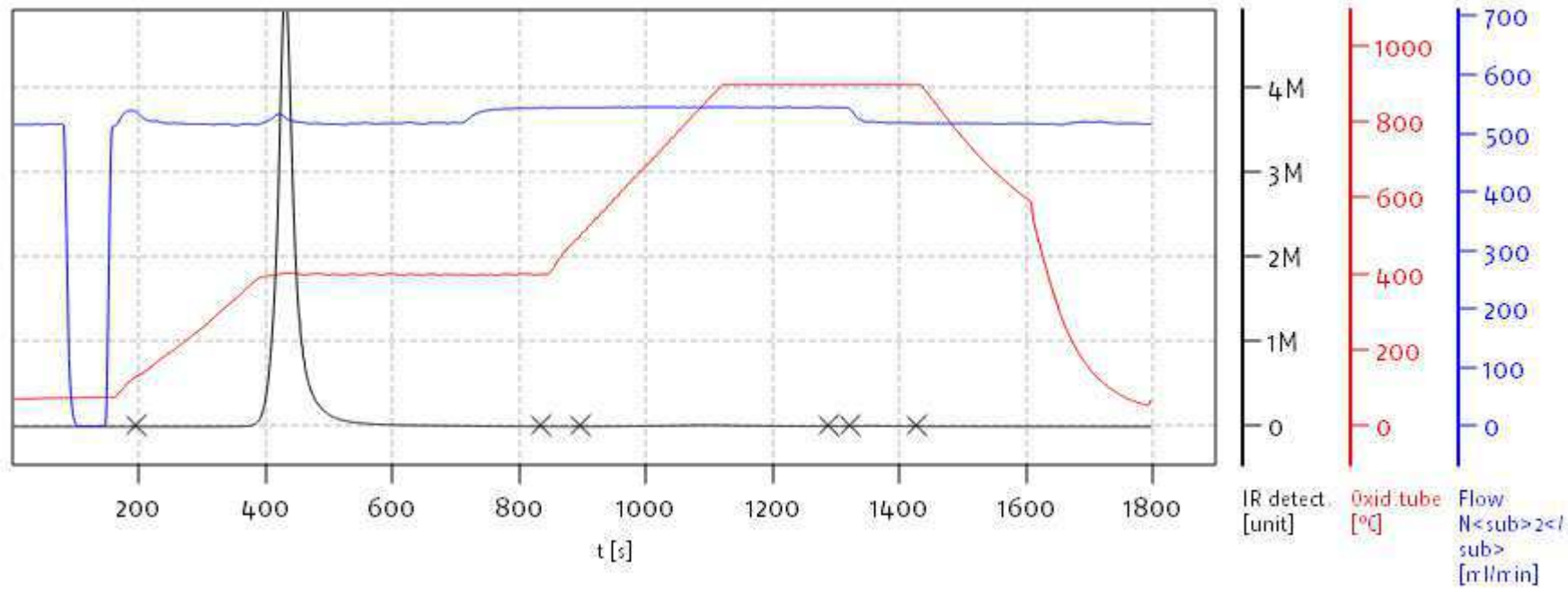
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
136	47	SKL0217-CCVB	21.00		CARBON	12/19/2022 8:23 AM	bl	44.192	6 445 800	44.861	0.000	22 634	117 274	44.192	0.669	0.9339	1.0000



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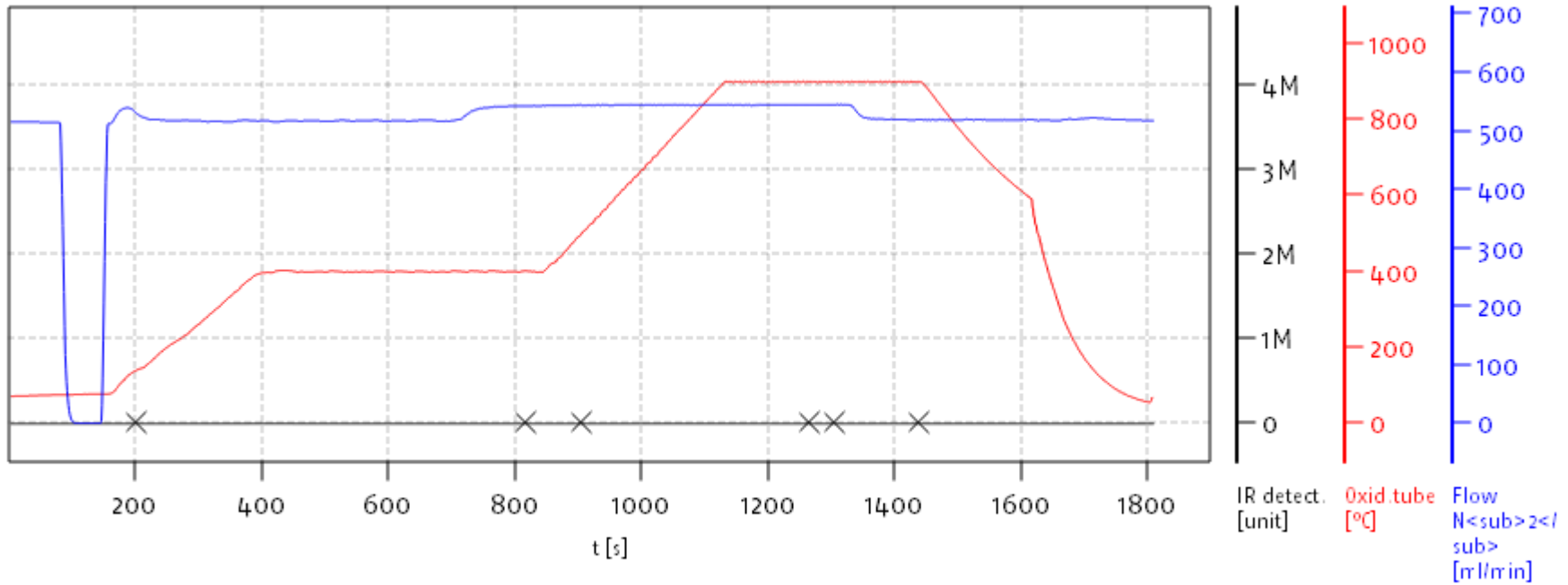
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
137	48	SKL0217-CCBB	517.70		CARBON	12/19/2022 8:54 AM	bl,C3u,C2u	0.000	4 648	0.000	0.000	426	1 879	0.000	0.000	0.9339	1.0000



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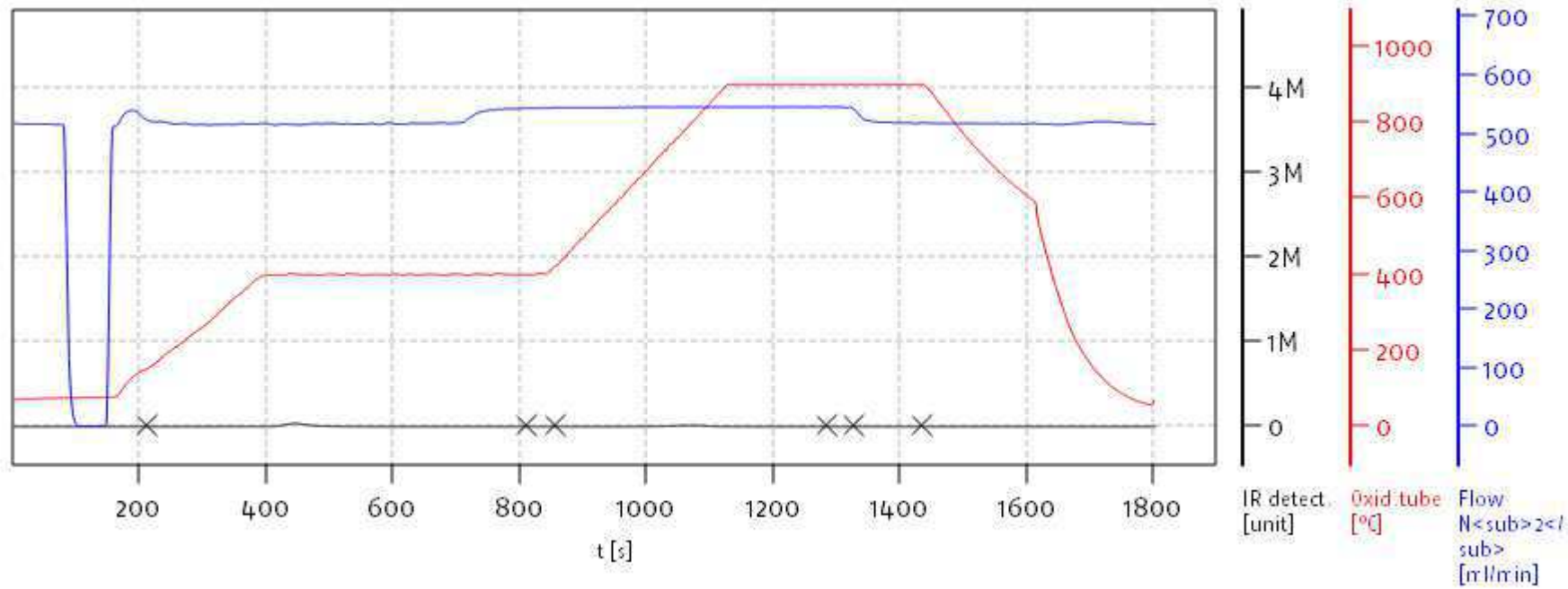
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
138	49	BKL0434-MRL1	526.80		CARBON	12/19/2022 9:24 AM	bl,C2u	0.012	71 306	0.015	0.000	656	37 327	0.012	0.003	0.9339	1.0000



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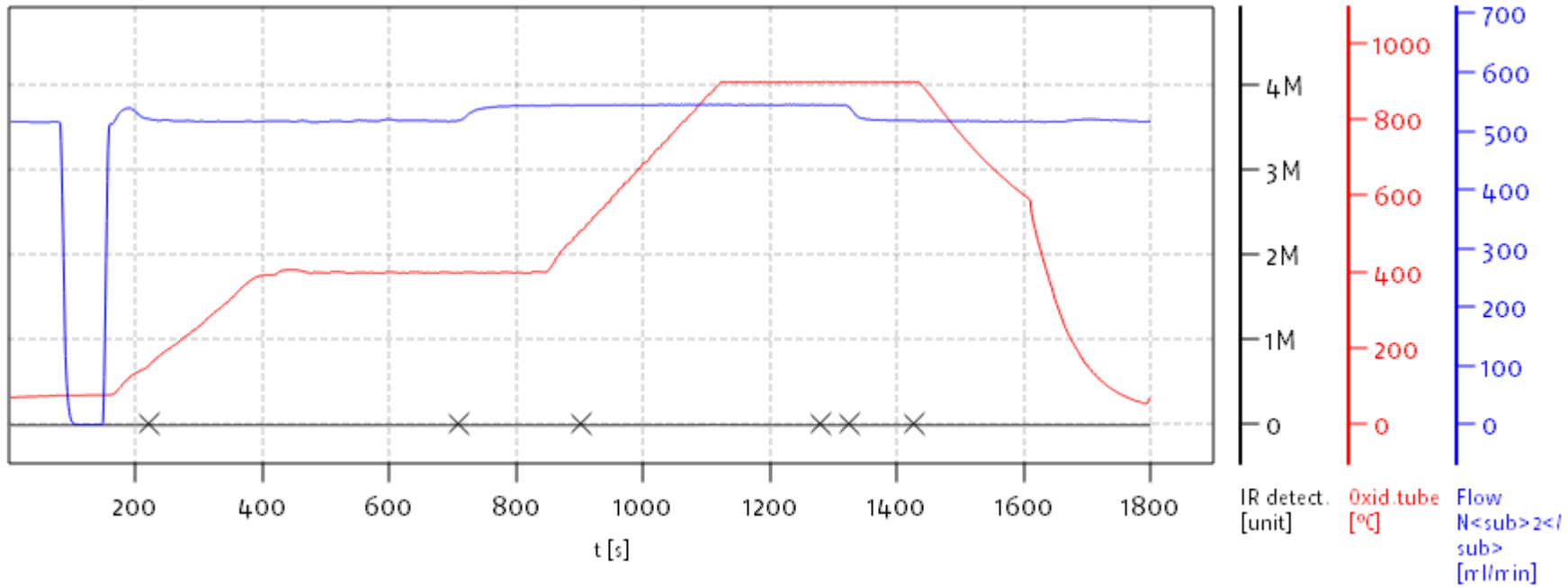
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
139	50	BKL0434-BLK1	518.90		CARBON	12/19/2022 9:54 AM	bl,C2u	0.000	5 286	0.000	0.000	403	8 688	0.000	0.000	0.9339	1.0000



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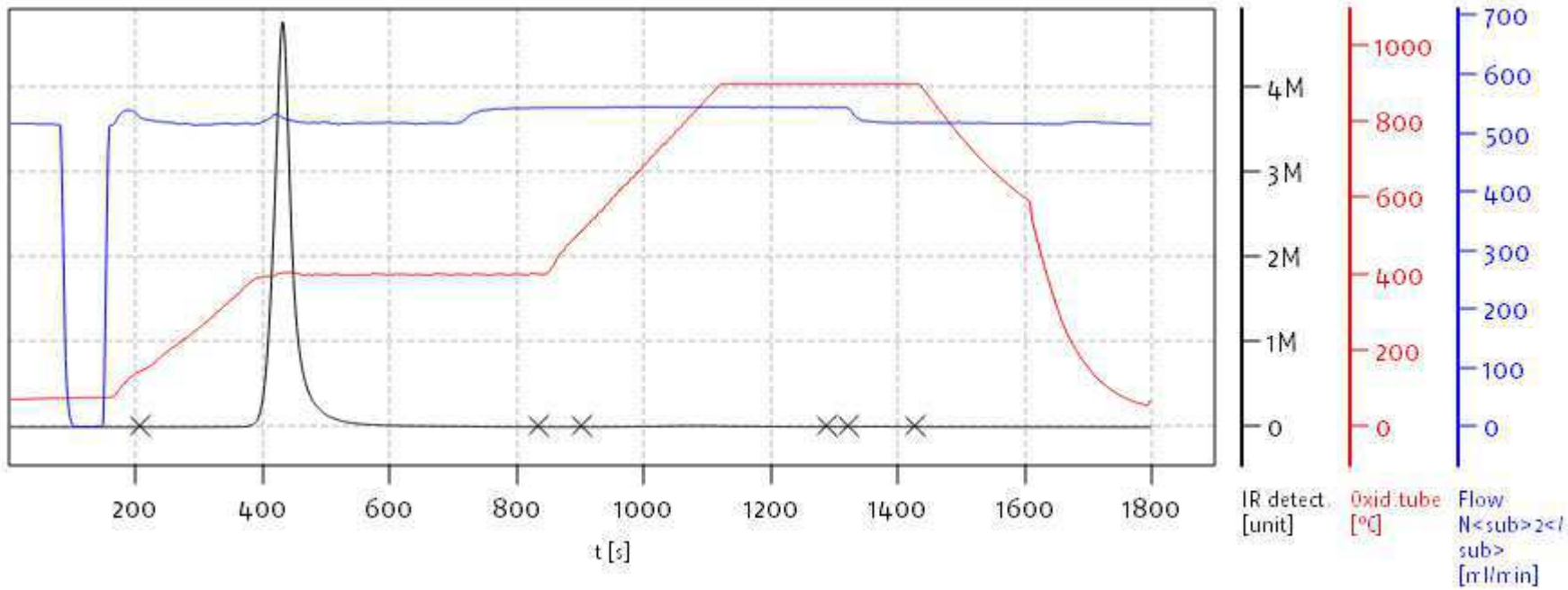
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
140	51	BKL0434-BS1	20.40		CARBON	12/19/2022 10:25 AM	bl	44.504	6 306 430	45.082	0.000	17 976	102 660	44.504	0.578	0.9339	1.0000



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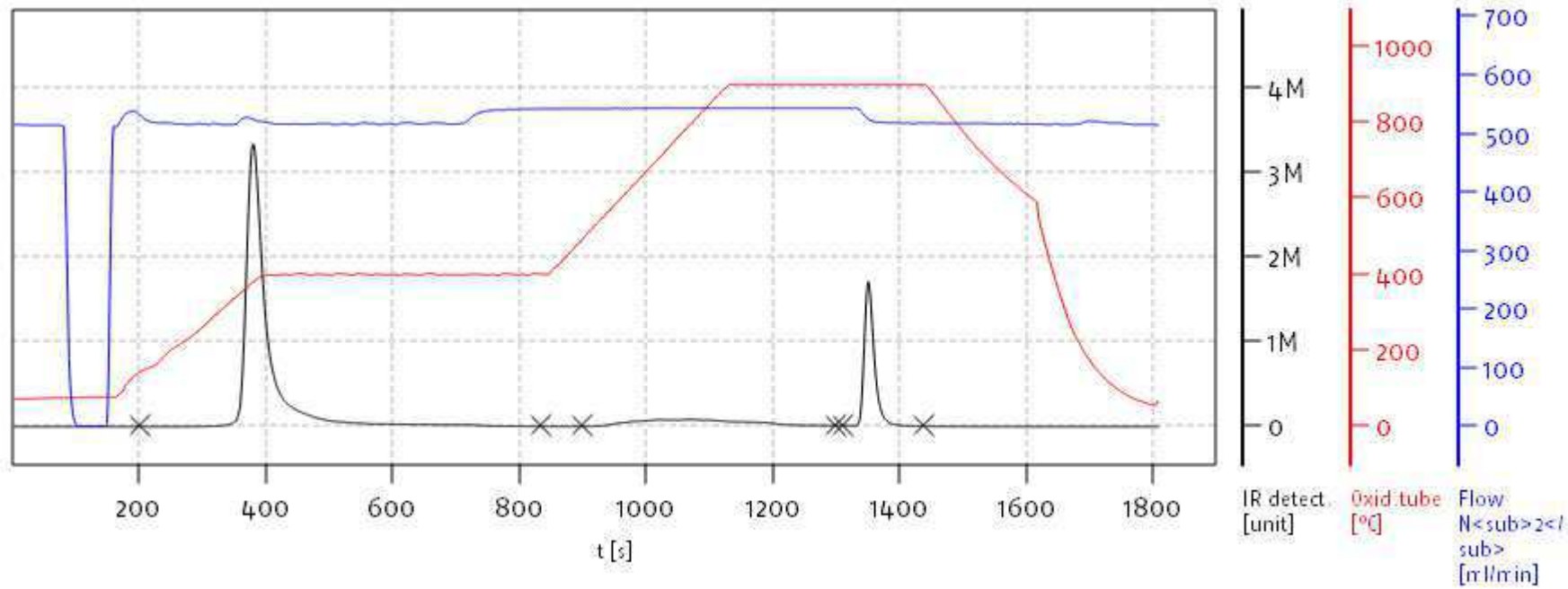
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
141	52	BKL0434-SRM1	286.60		CARBON	12/19/2022 10:55 AM	bl	2.991	4 695 020	3.357	0.636	1 203 870	704 619	2.355	0.366	0.9339	1.0000



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Serial No: 0300.181017
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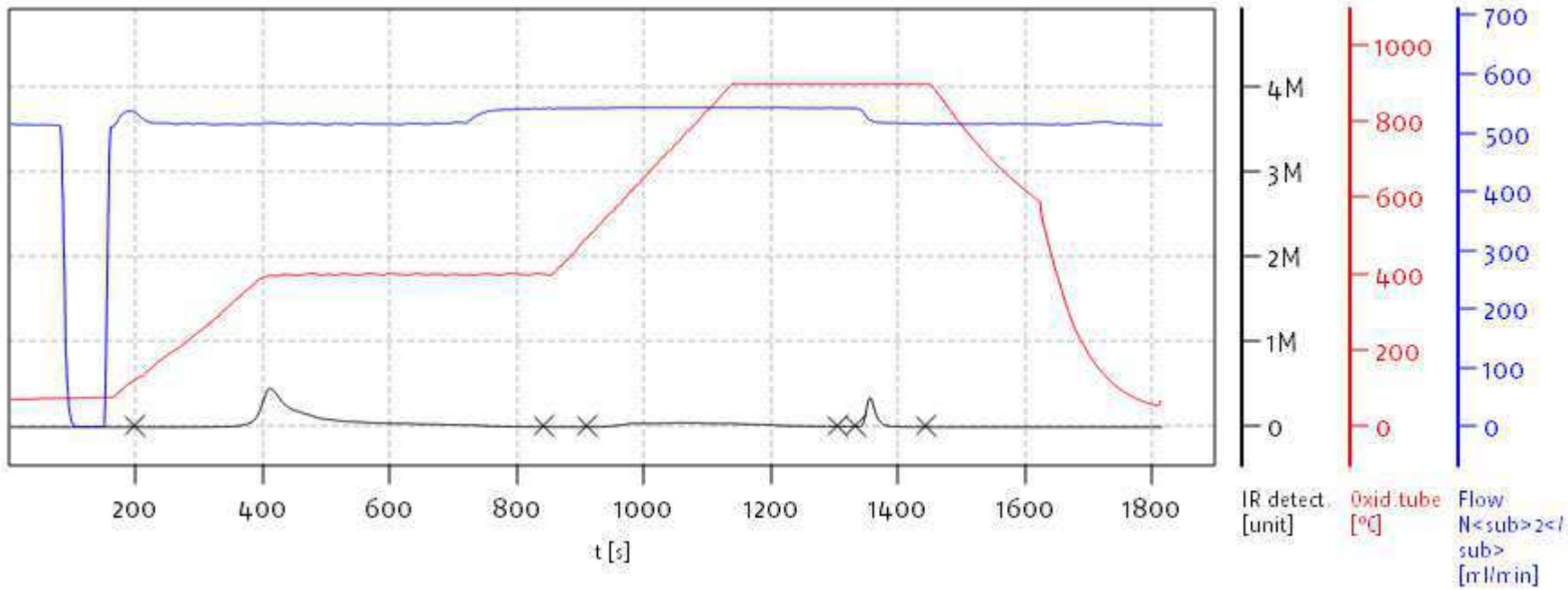
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
142	53	22L0155-47	300.70		CARBON	12/19/2022 11:26 AM	bl	0.786	1 444 340	0.991	0.105	229 800	424 210	0.682	0.205	0.9339	1.0000



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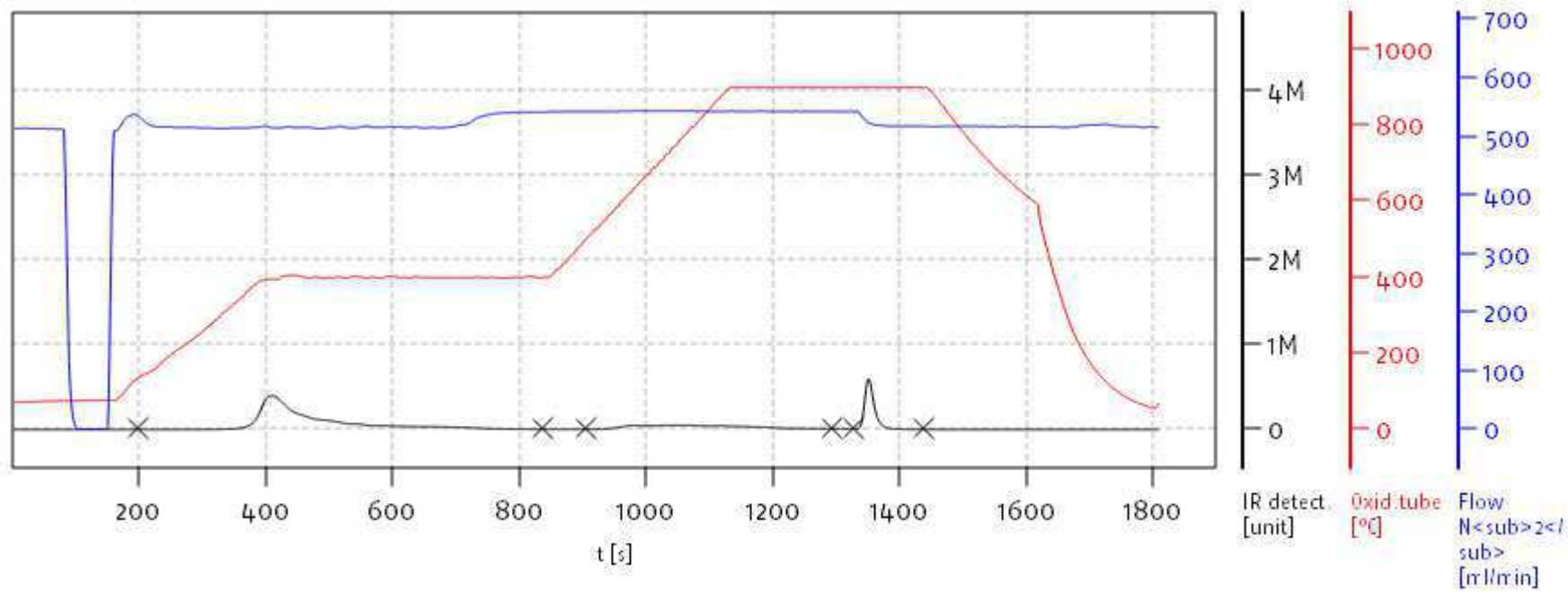
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
143	54	BKL0434-DUP1	297.50		CARBON	12/19/2022 11:57 AM	bl	0.890	1 458 470	1.104	0.194	399 377	438 580	0.696	0.214	0.9339	1.0000



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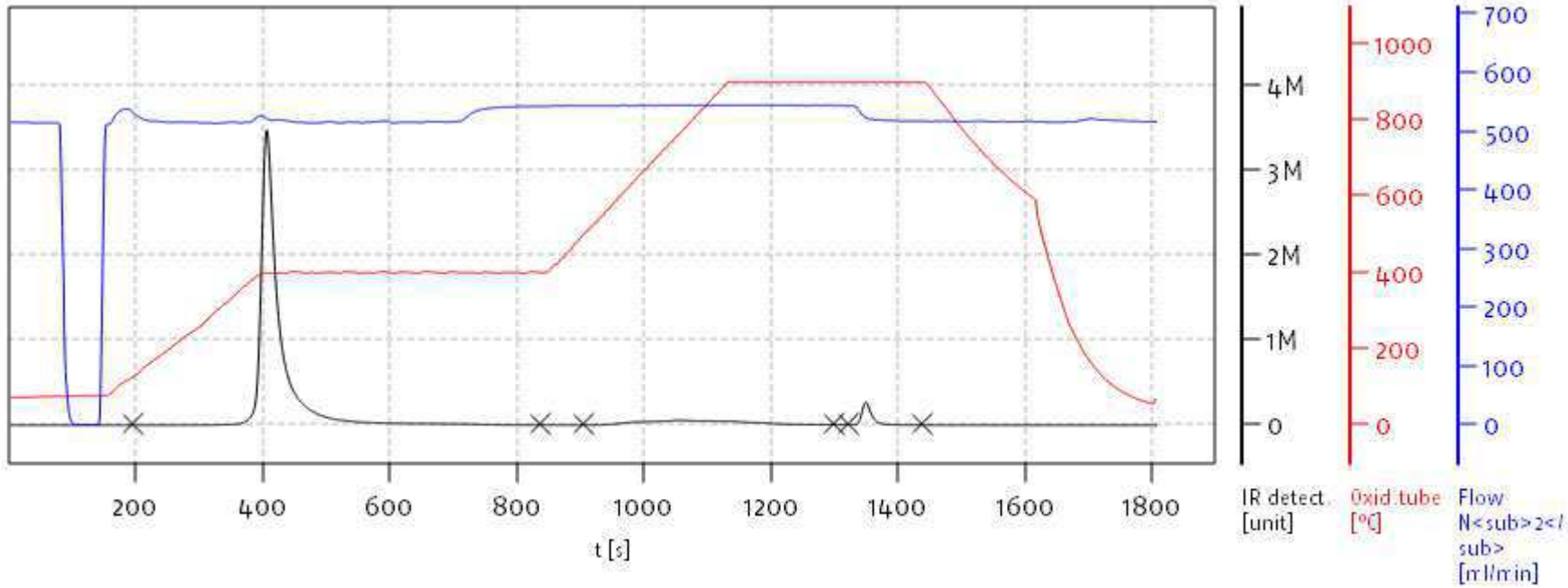
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
144	55	BKL0434-MS1	316.70	0.0081	CARBON	12/19/2022 12:27 PM	bl	2.008	4 256 370	2.200	0.077	184 213	418 601	1.931	0.192	0.9339	1.0000



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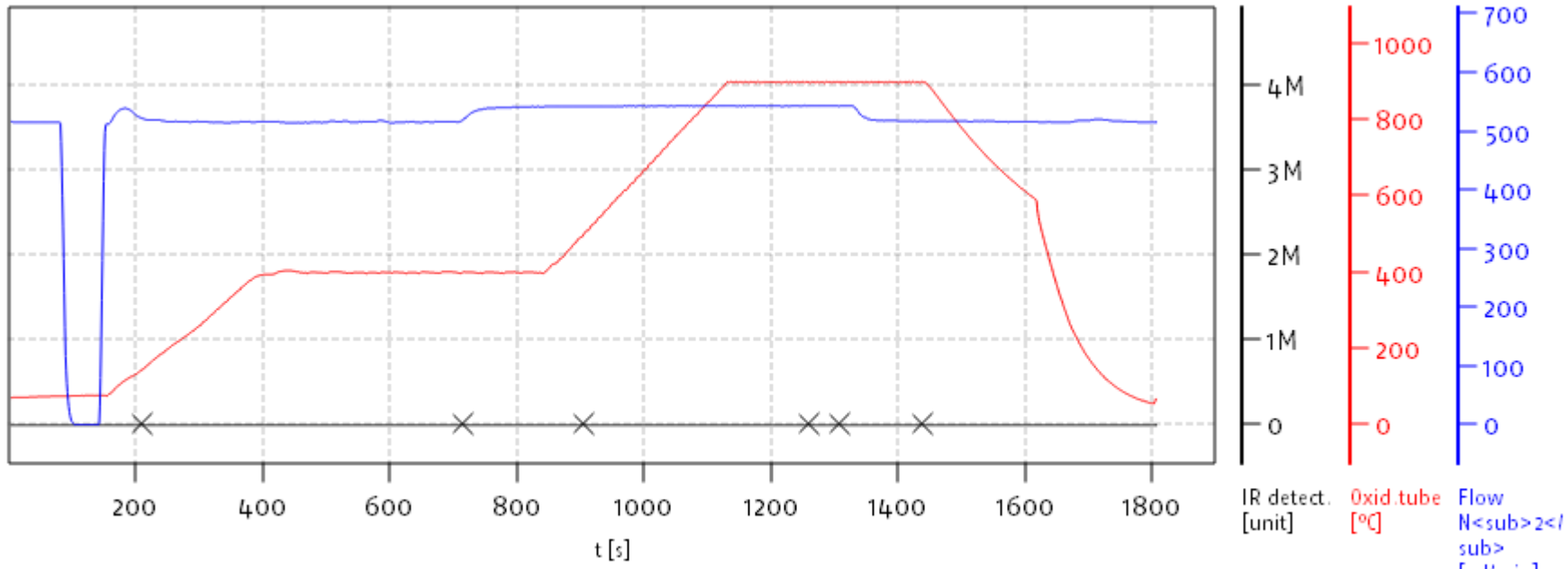
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
145	56	BLANK	1.00		CARBON	12/19/2022 12:58 PM	bl	0.000	2 843	0.000	0.000	311	466	0.000	0.000	0.9339	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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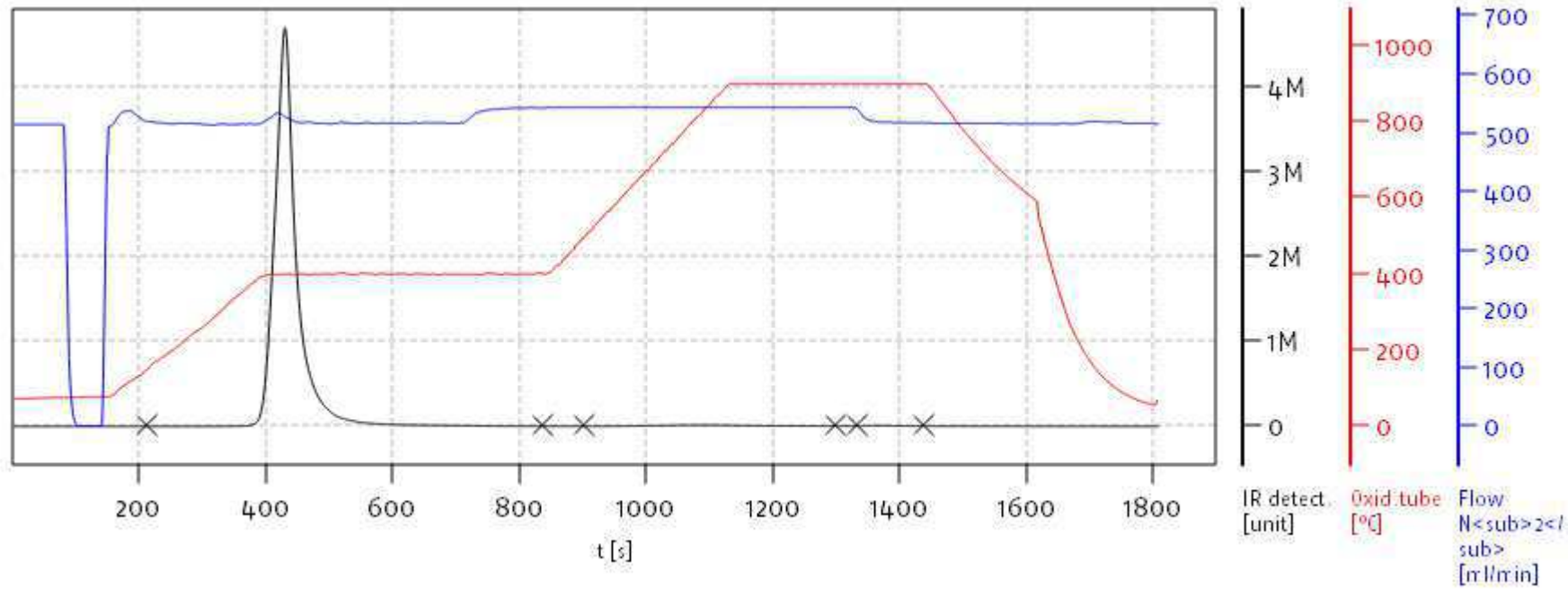
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
146	57	Dfactor	22.90		CARBON	12/19/2022 1:28 PM	bl	44.446	7 040 660	45.028	0.000	23 903	112 623	44.446	0.582	0.9374	1.0000



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Balance: BAL3
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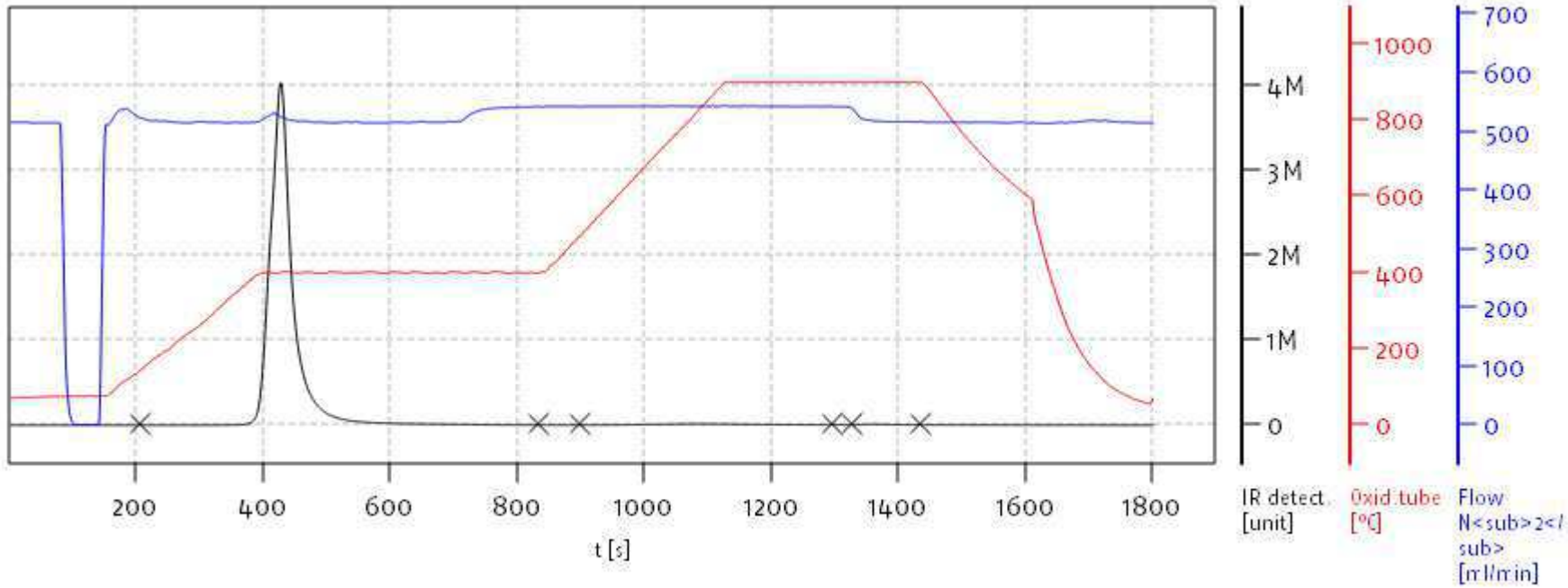
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
147	58	Dfactor	20.20		CARBON	12/19/2022 1:59 PM	bl	44.446	6 117 500	45.095	0.000	26 258	111 257	44.446	0.649	0.9522	1.0000



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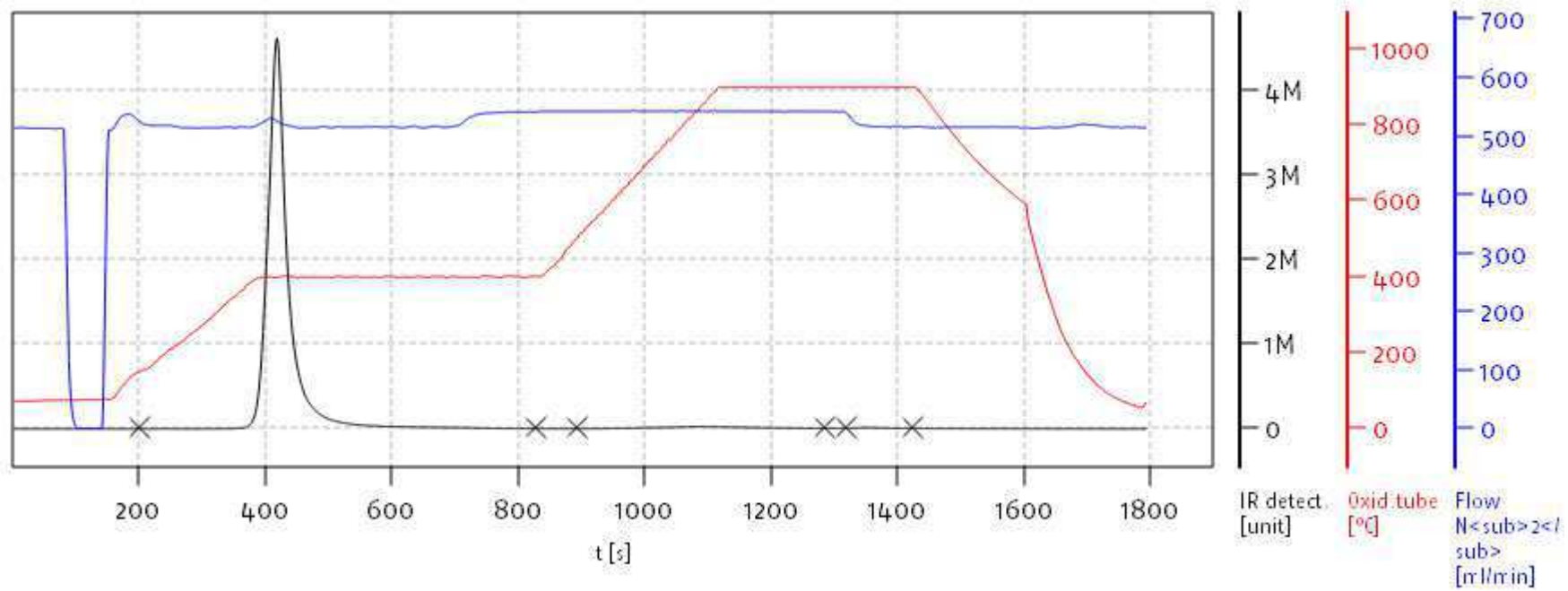
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
148	59	SKL0217-CCVC	21.40		CARBON	12/19/2022 2:29 PM	bl	43.970	6 451 750	45.117	0.059	34 630	185 118	43.912	1.147	0.9448	1.0000



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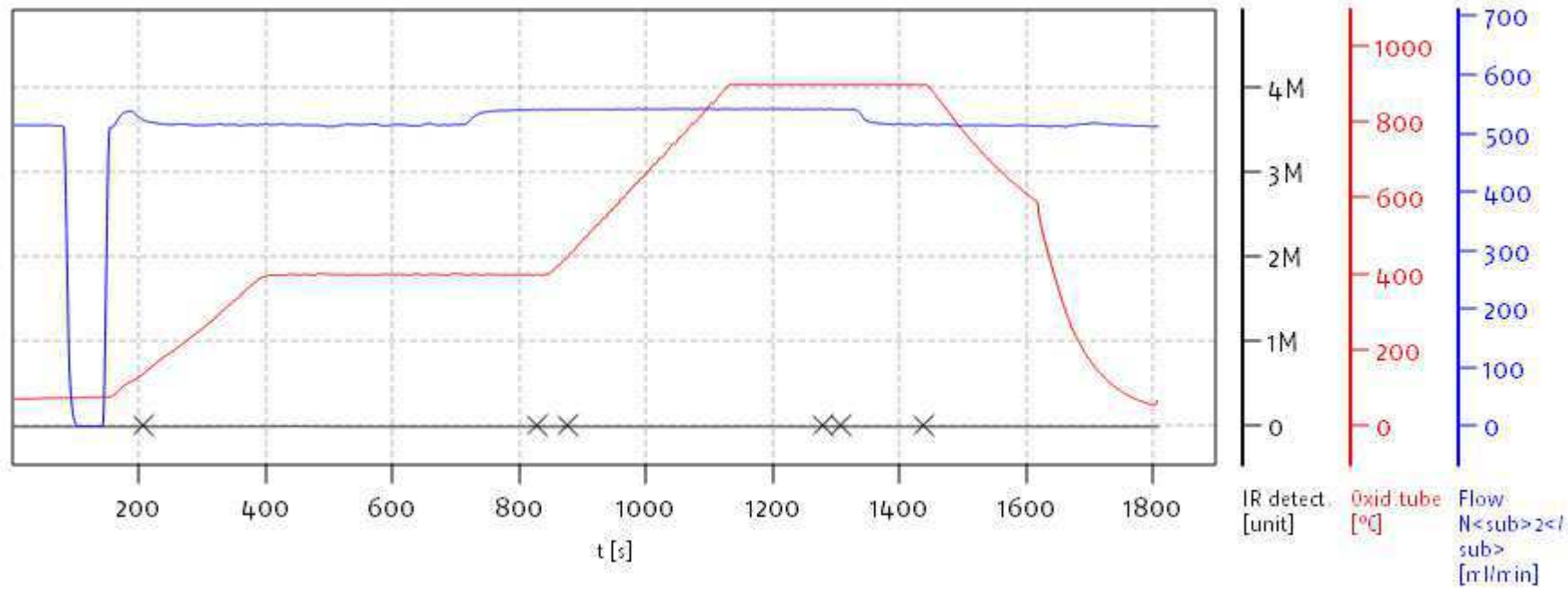
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
149	60	SKL0217-CCBC	518.80		CARBON	12/19/2022 3:00 PM	bl,C2u	0.000	13 041	0.000	0.000	900	3 302	0.000	0.000	0.9448	1.0000



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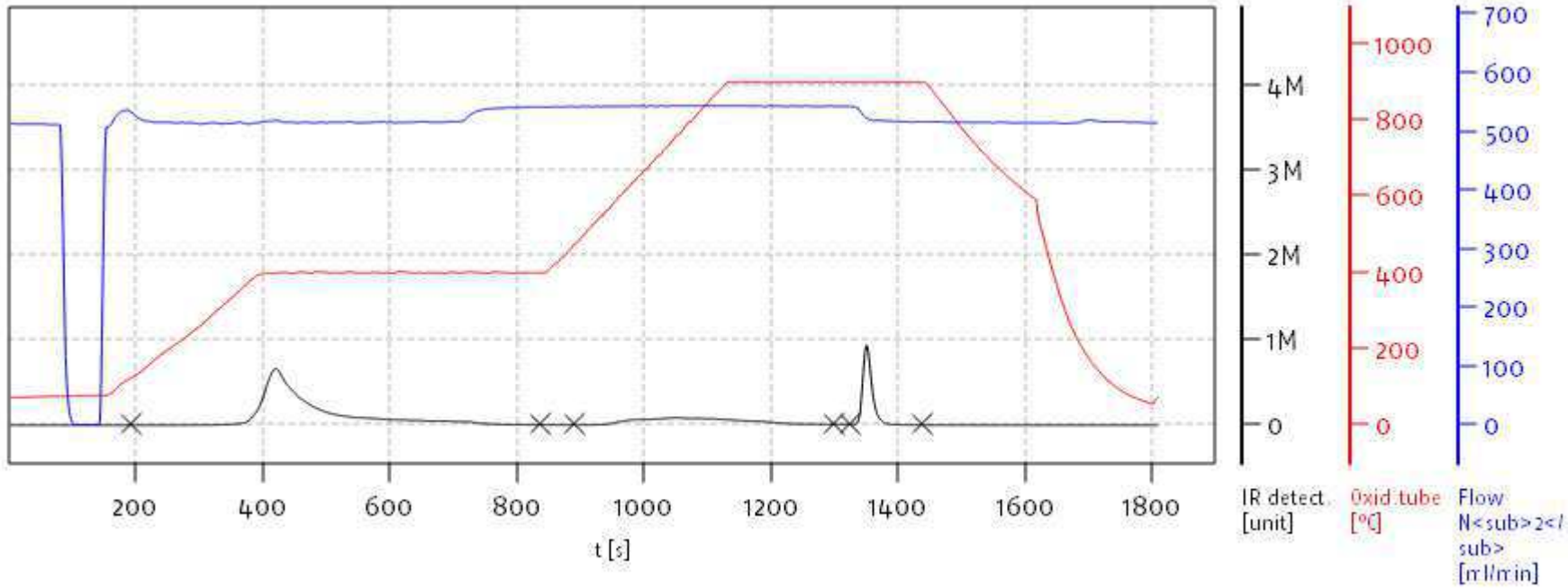
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
150	61	22L0155-48	501.40		CARBON	12/19/2022 3:30 PM	bl	0.831	2 262 460	1.032	0.179	606 182	678 322	0.652	0.201	0.9448	1.0000



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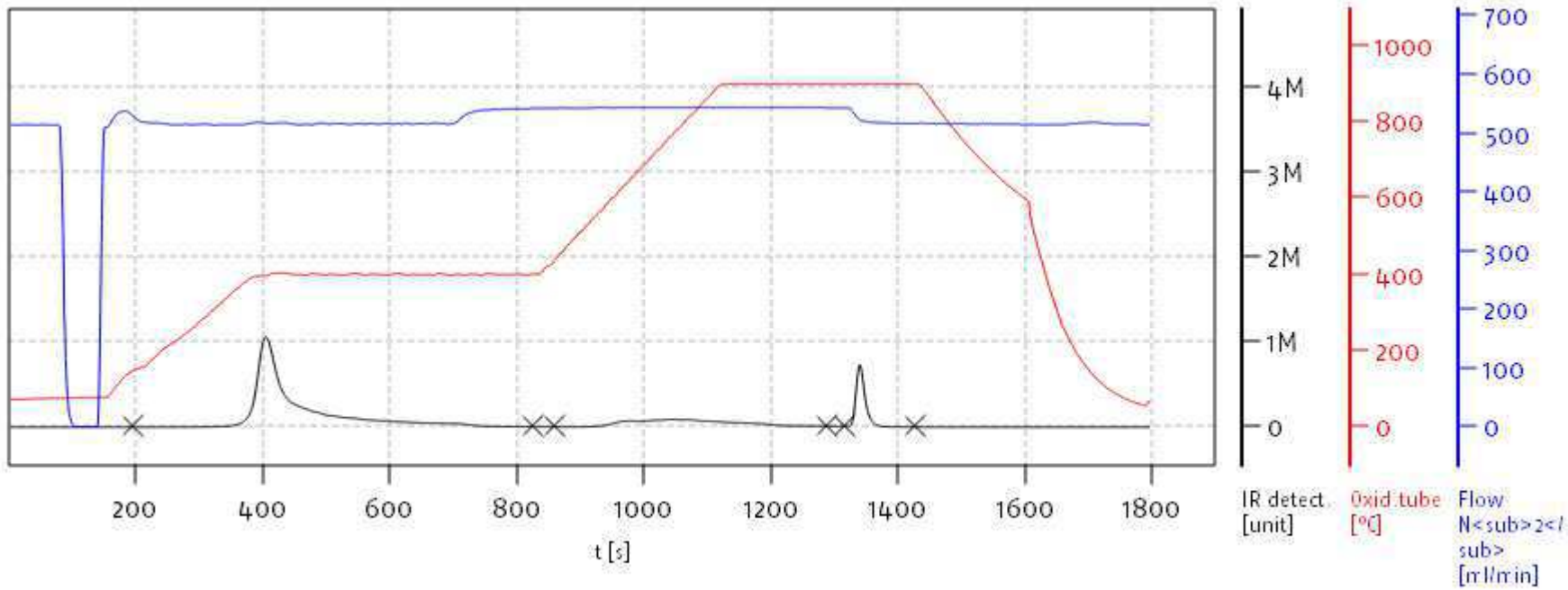
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
151	62	22L0155-49	503.70		CARBON	12/19/2022 4:00 PM	bl	0.894	2 643 310	1.103	0.134	463 351	705 750	0.760	0.209	0.9448	1.0000



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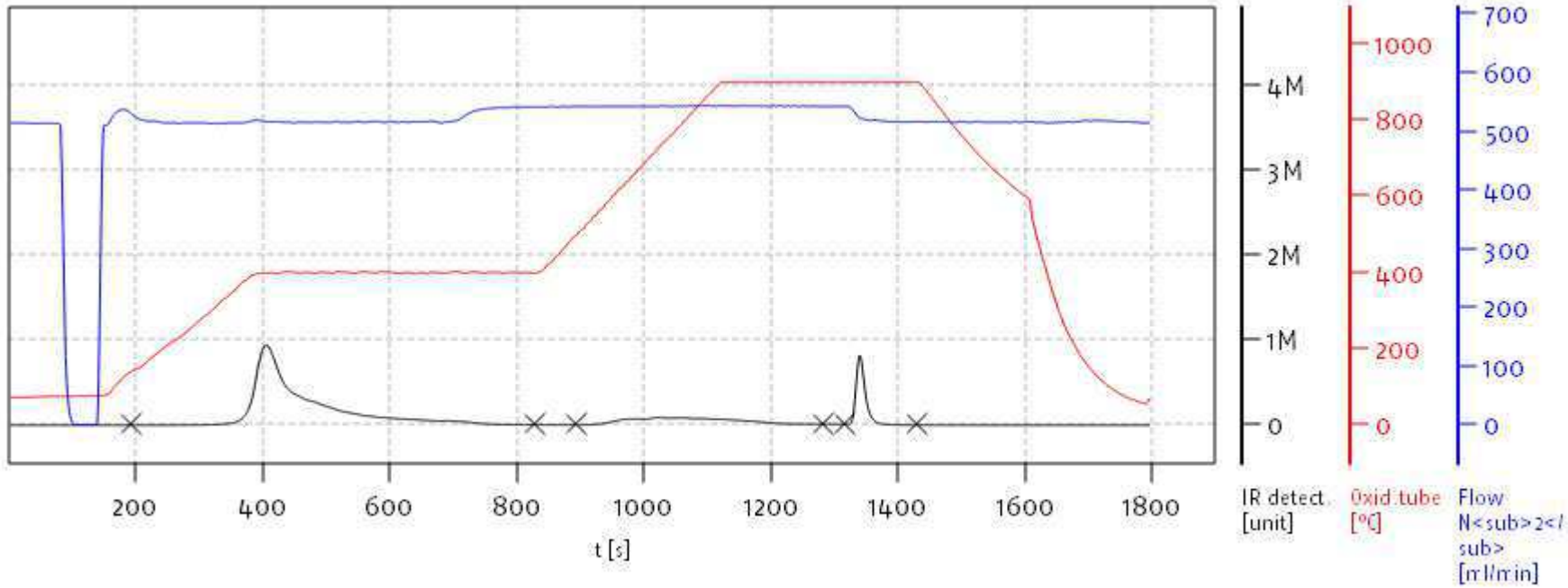
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
152	63	22L0155-50	510.00		CARBON	12/19/2022 4:31 PM	bl	1.041	3 127 170	1.248	0.152	528 022	708 468	0.889	0.207	0.9448	1.0000



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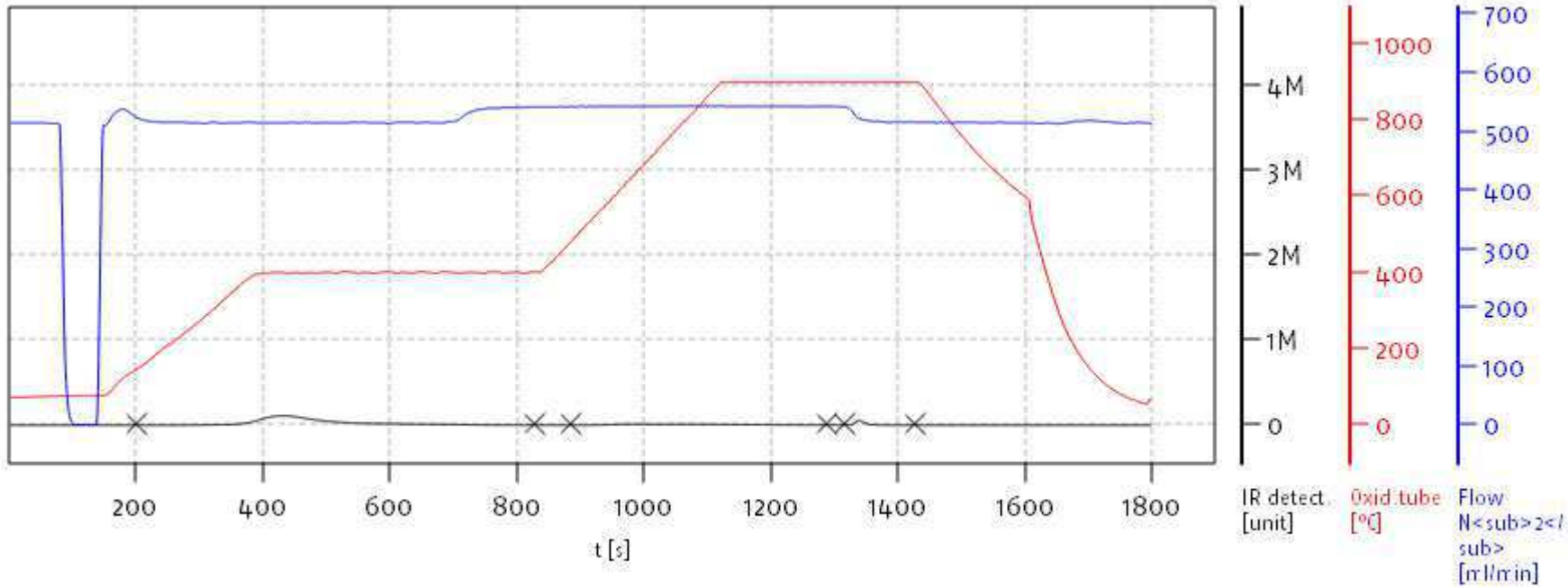
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
153	64	22L0155-51	525.80		CARBON	12/19/2022 5:01 PM	bl	0.149	551 811	0.170	0.003	36 837	97 854	0.146	0.021	0.9448	1.0000



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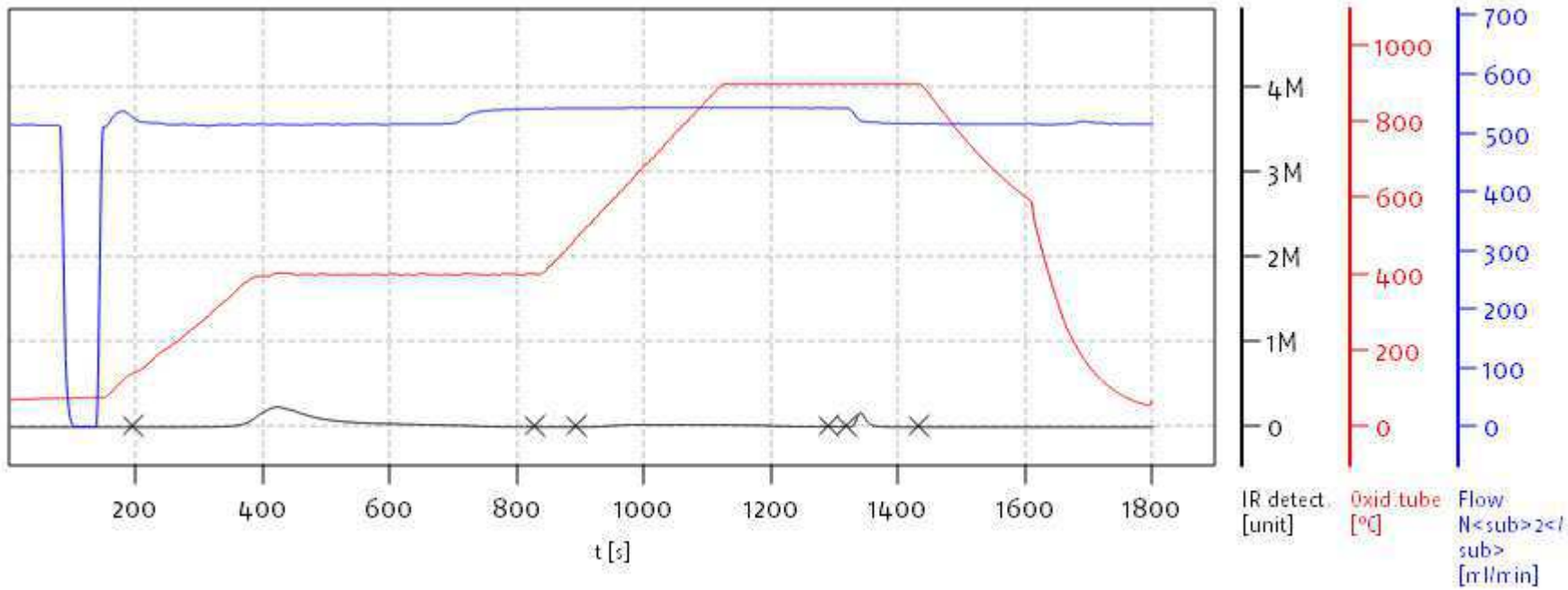
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
154	65	22L0155-52	509.70		CARBON	12/19/2022 5:32 PM	bl	0.345	1 138 450	0.417	0.026	112 697	261 264	0.319	0.071	0.9448	1.0000



Name:

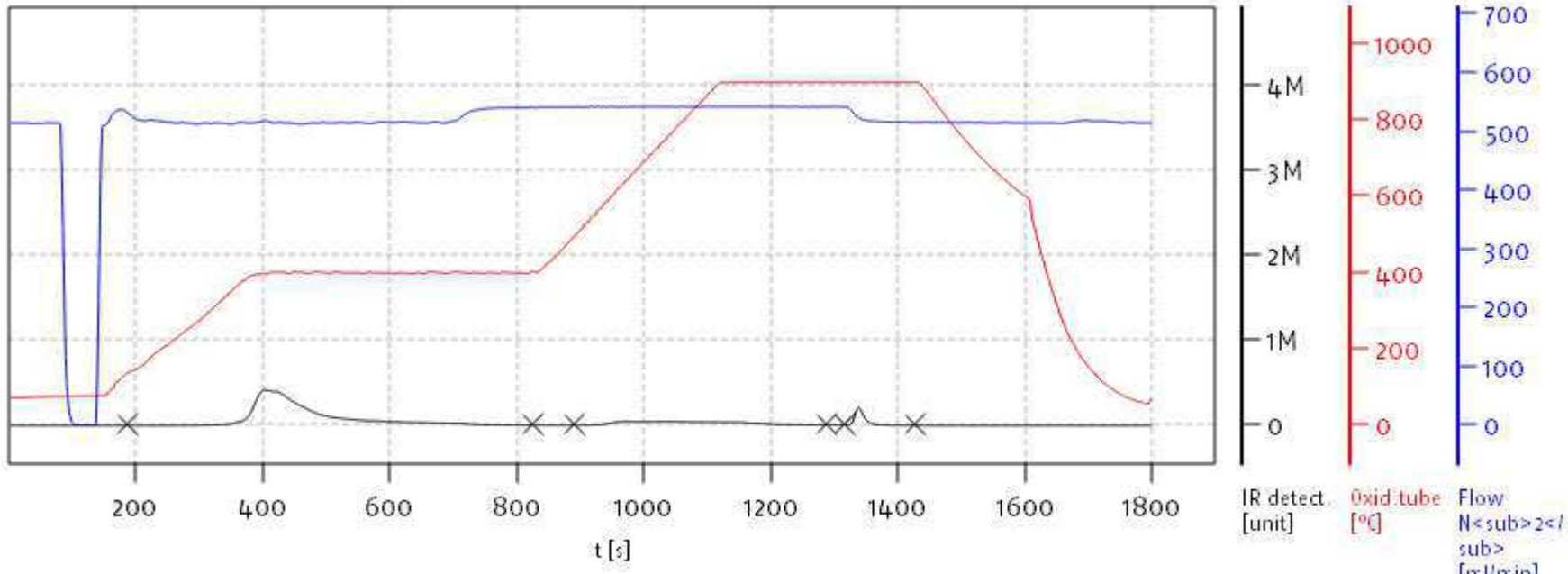
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
155	66	22L0155-53	512.00		CARBON	12/19/2022 6:02 PM	bl	0.529	1 755 950	0.645	0.035	142 432	408 766	0.494	0.116	0.9448	1.0000



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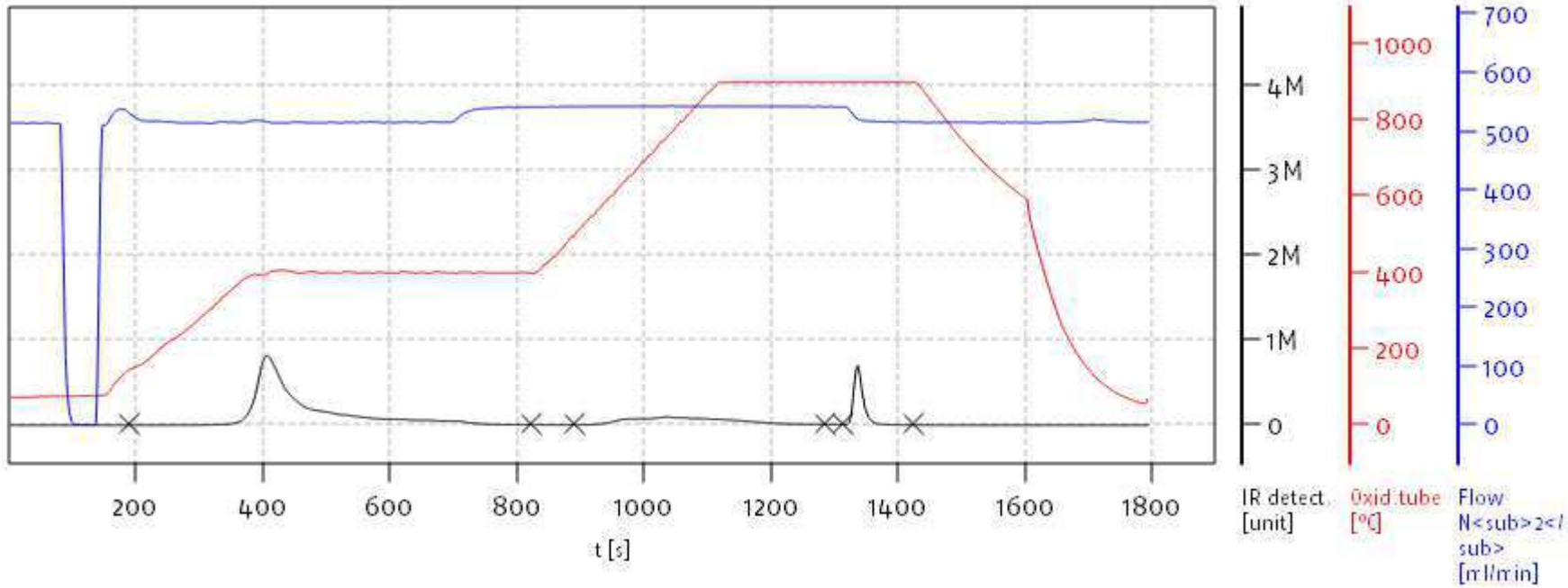
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
156	67	22L0155-54	514.80		CARBON	12/19/2022 6:32 PM	bl	0.851	2 566 930	1.054	0.129	455 693	703 634	0.722	0.204	0.9448	1.0000



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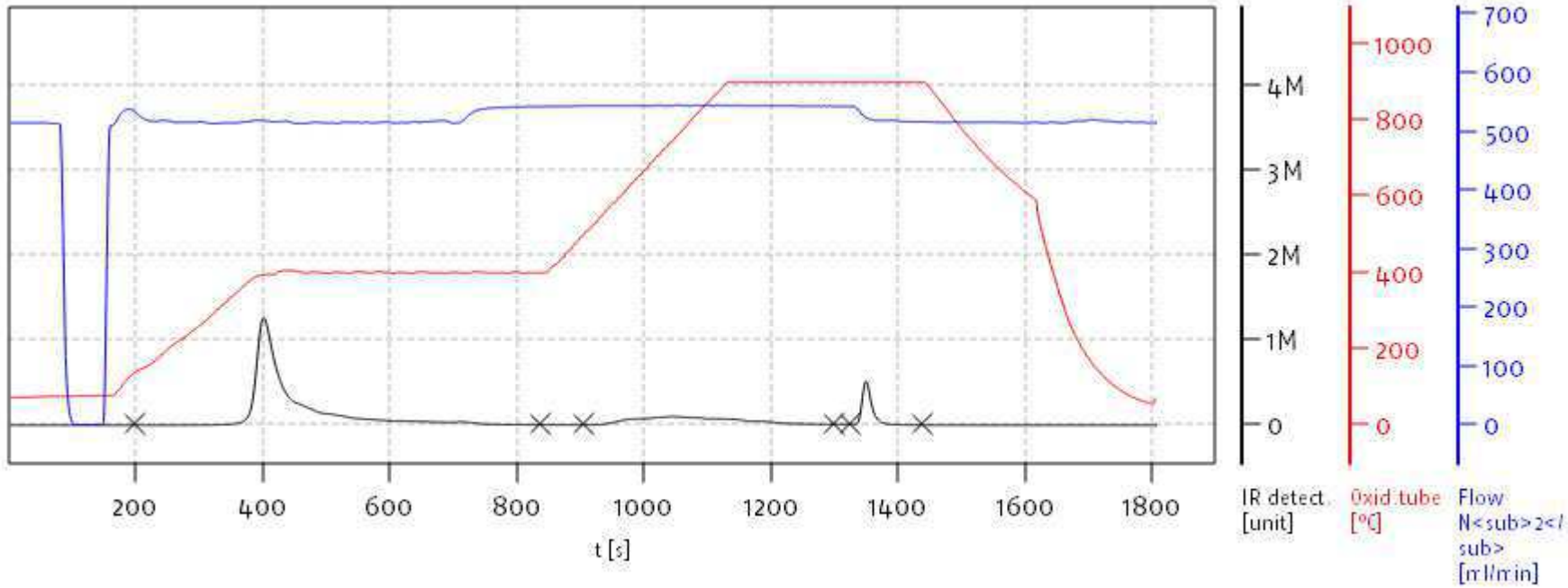
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
157	68	22L0155-55	502.40		CARBON	12/19/2022 7:03 PM	bl	0.895	2 759 840	1.119	0.099	348 228	754 944	0.796	0.224	0.9448	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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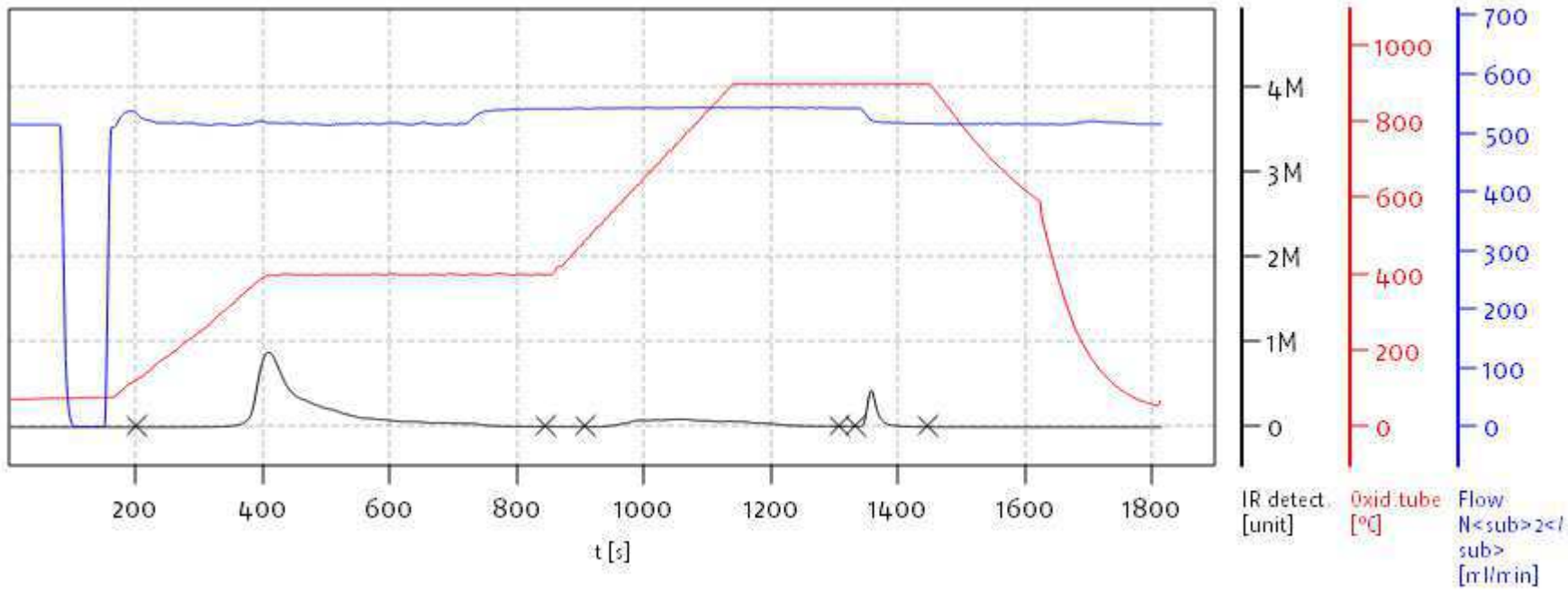
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
158	69	22L0155-56	567.80		CARBON	12/19/2022 7:34 PM	bl	0.842	2 998 180	1.030	0.077	308 923	713 266	0.765	0.187	0.9448	1.0000



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Serial No: 0300.181017
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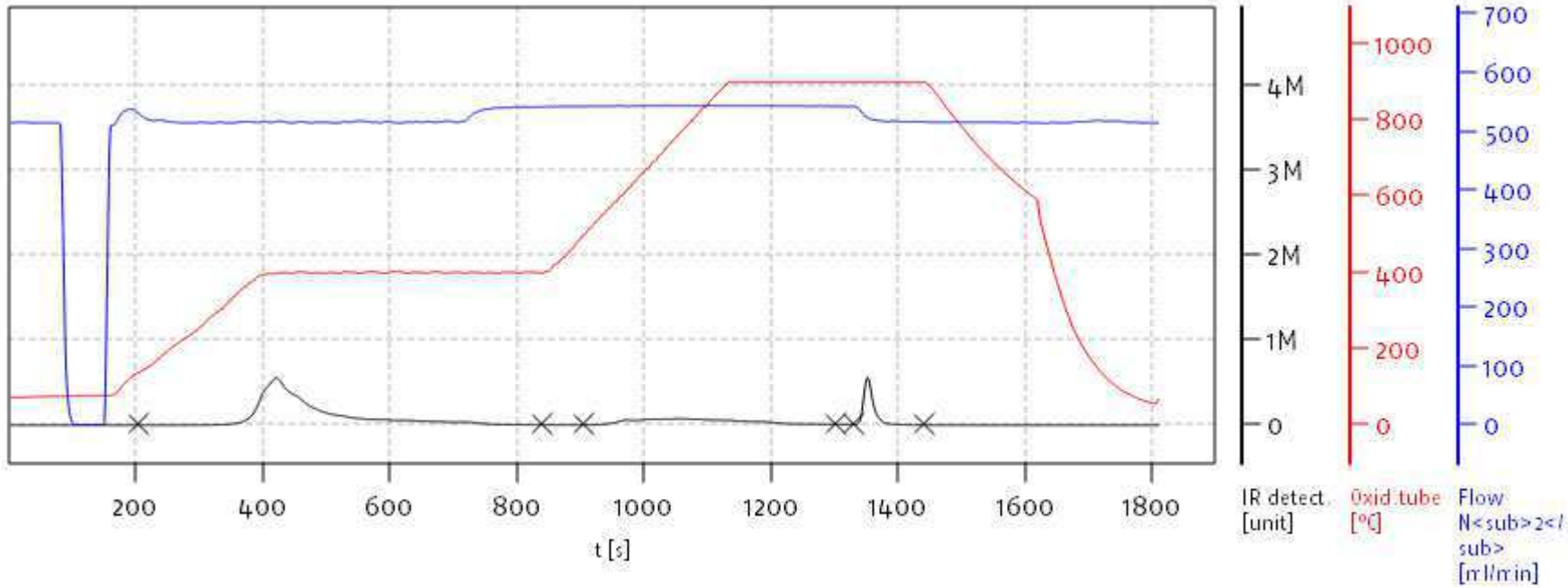
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
159	70	22L0155-57	562.70		CARBON	12/19/2022 8:04 PM	bl	0.641	2 118 640	0.805	0.098	380 998	621 204	0.544	0.164	0.9448	1.0000



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Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
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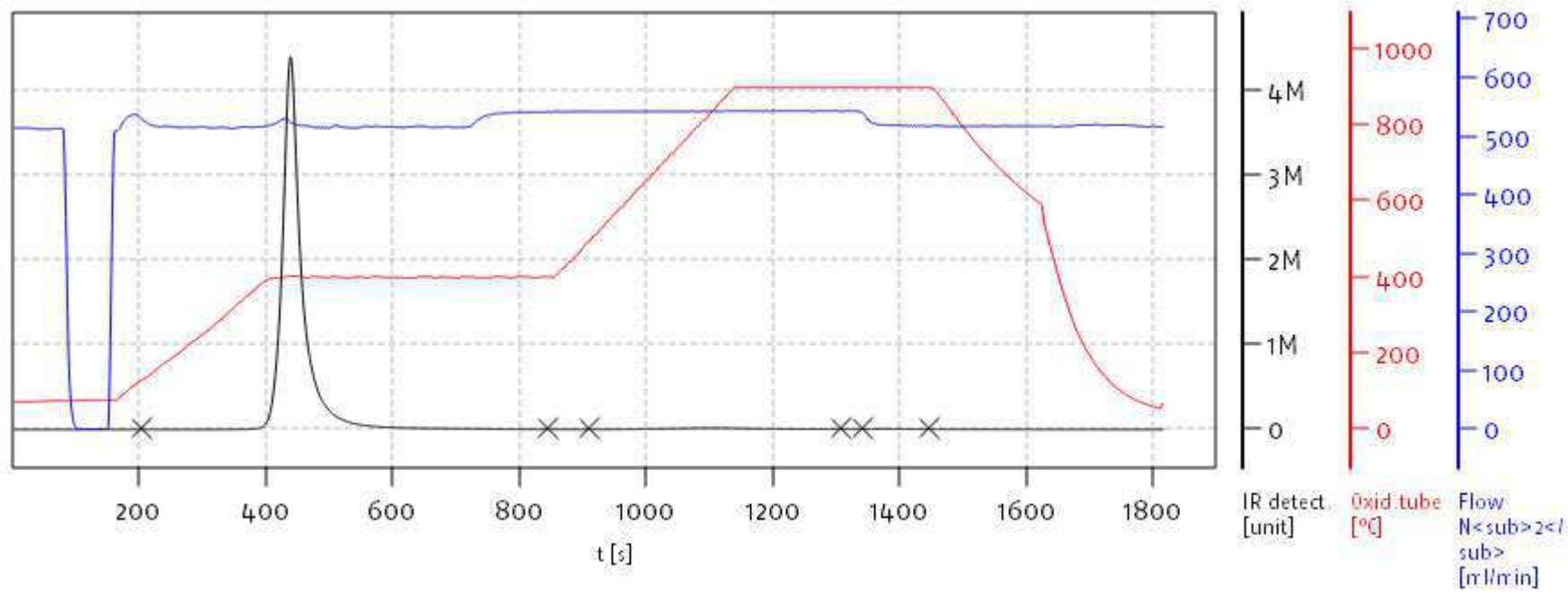
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
160	71	SKL0217-CCVD	19.70		CARBON	12/19/2022 8:35 PM	bl	44.055	5 960 590	44.844	0.000	22 603	127 020	44.055	0.790	0.9448	1.0000



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Soli TOC Cube, Carbon
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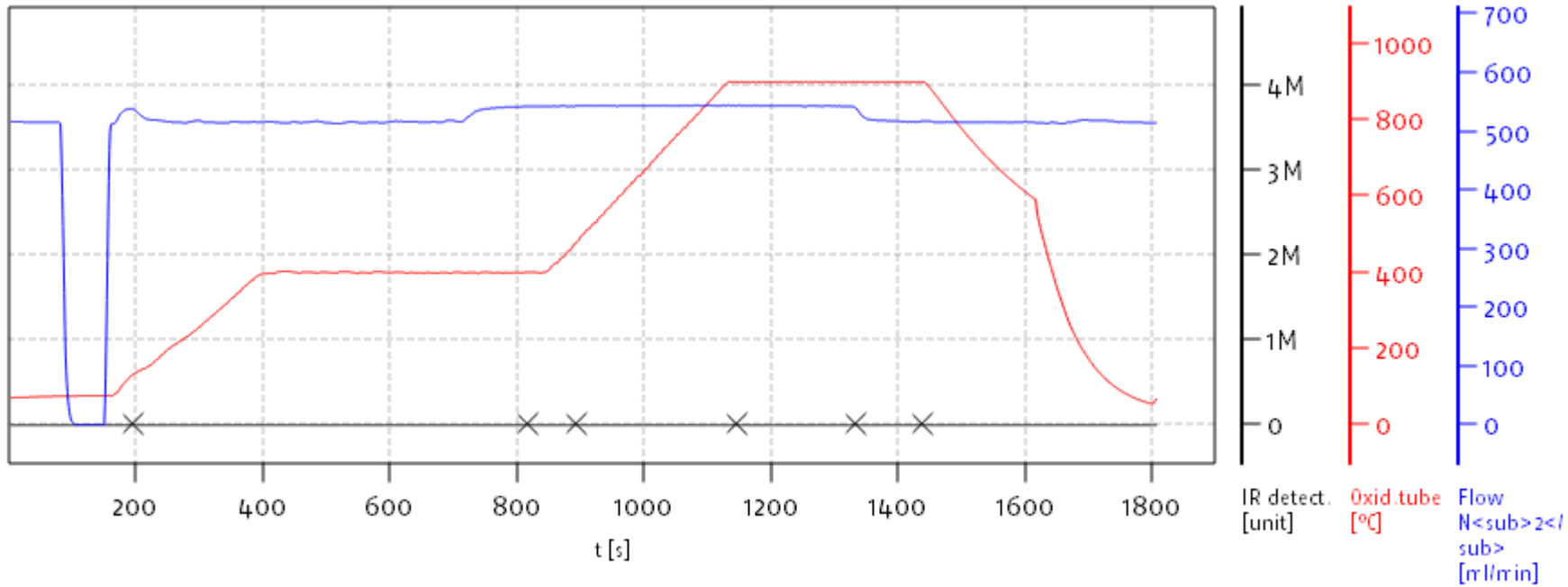
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
161	72	SKL0217-CCBD	561.60		CARBON	12/19/2022 9:05 PM	bl,C3u,C2u	0.000	3 930	0.000	0.000	497	950	0.000	0.000	0.9448	1.0000



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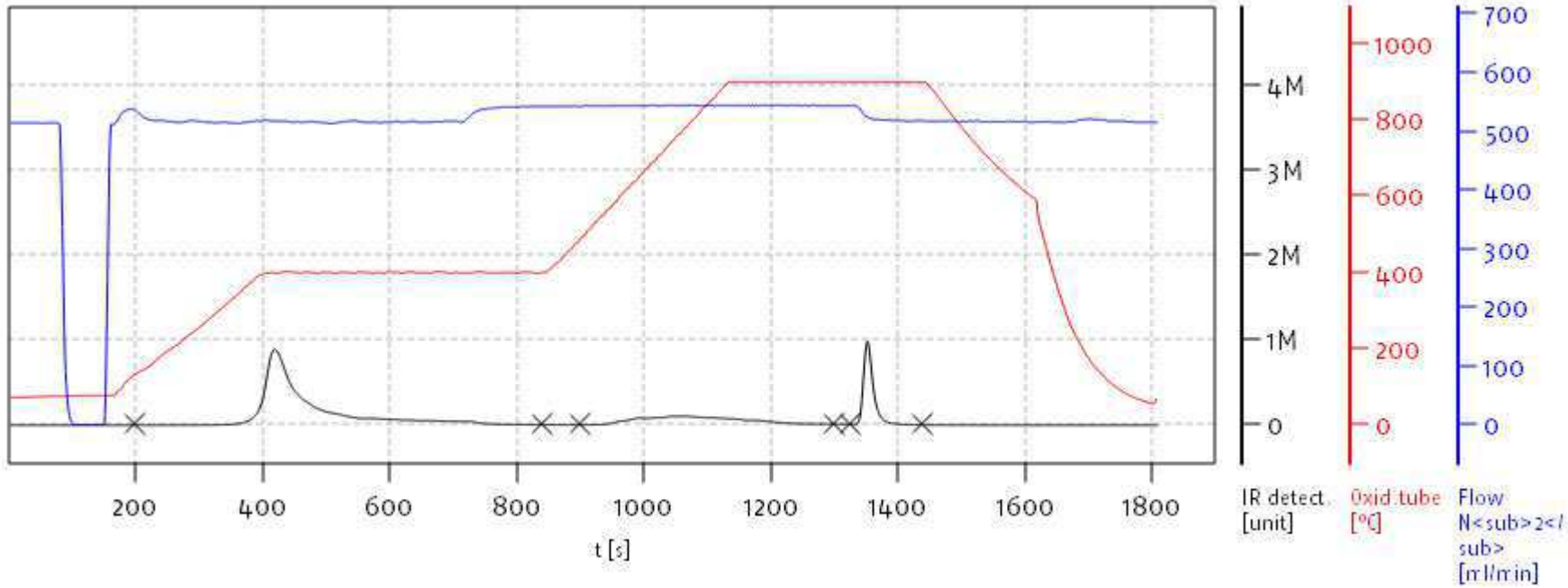
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
162	73	22L0155-58	517.10		CARBON	12/19/2022 9:36 PM	bl	0.903	2 532 670	1.138	0.194	674 833	813 027	0.709	0.235	0.9448	1.0000



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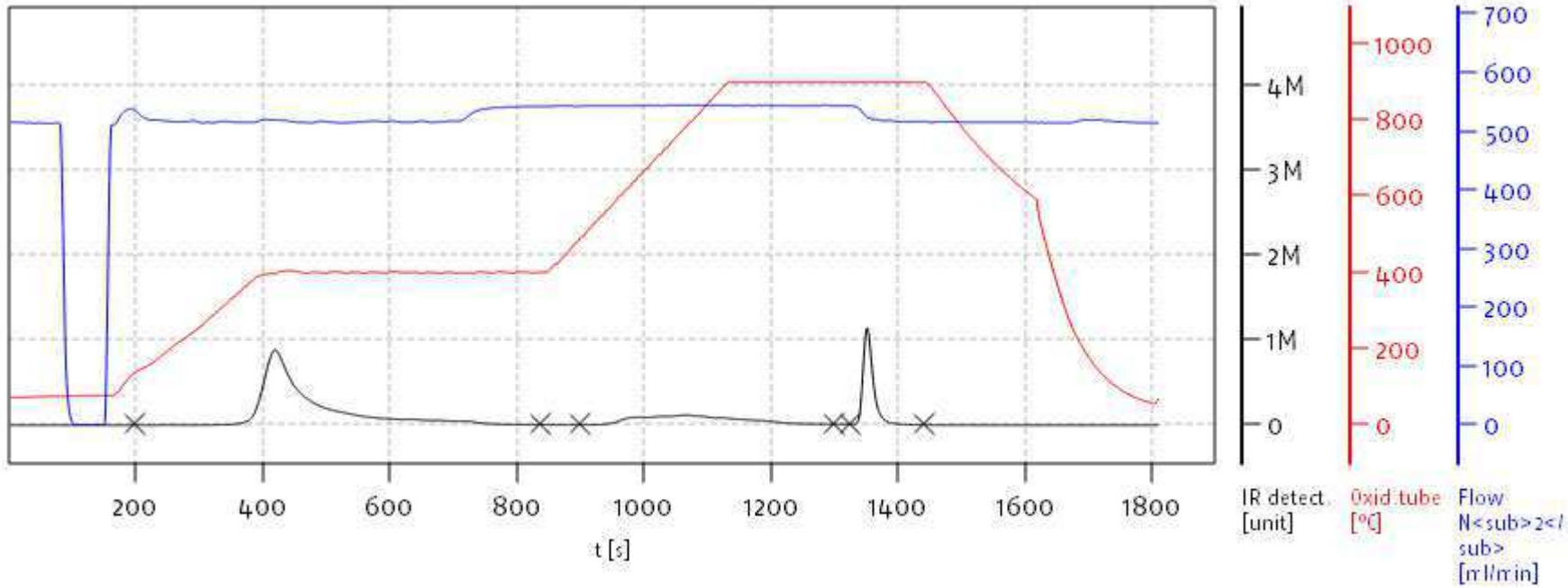
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
163	74	22L0155-59	582.80		CARBON	12/19/2022 10:06 PM	bl	0.917	2 856 050	1.146	0.207	805 275	889 946	0.710	0.229	0.9448	1.0000



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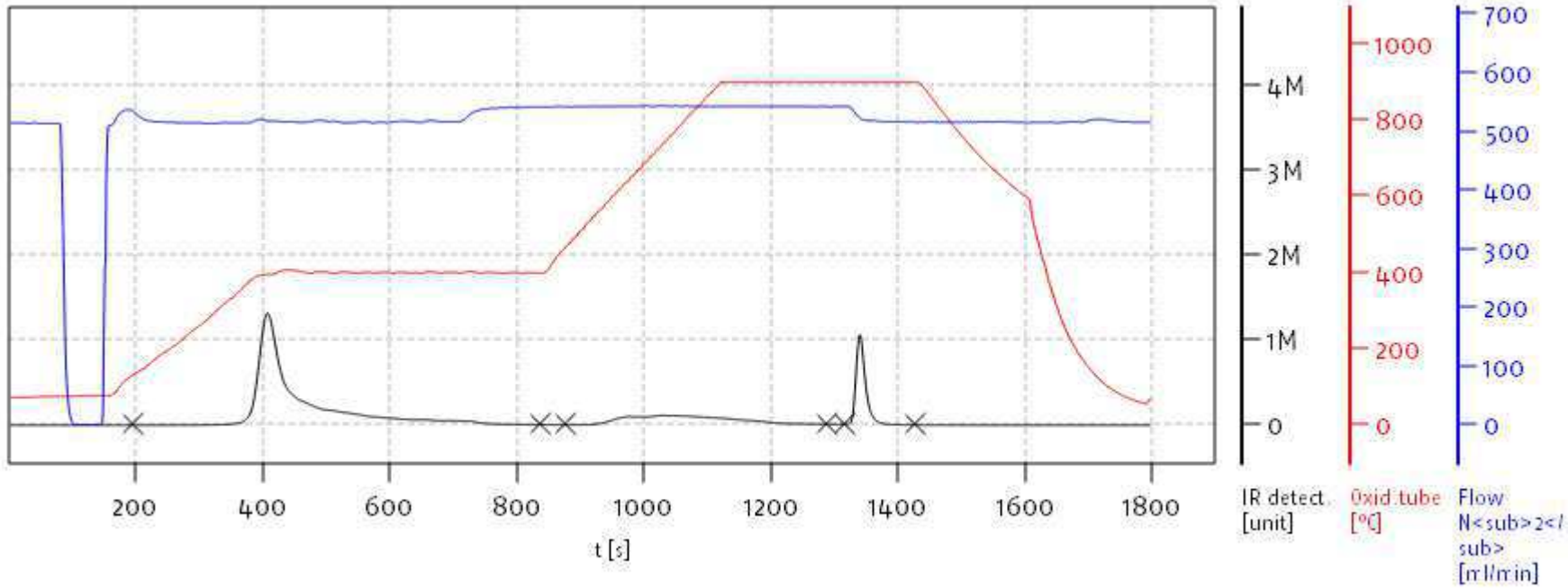
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
164	75	22L0155-60	516.40		CARBON	12/19/2022 10:37 PM	bl	1.113	3 243 110	1.376	0.202	701 927	902 483	0.911	0.263	0.9448	1.0000



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Balance: BAL3
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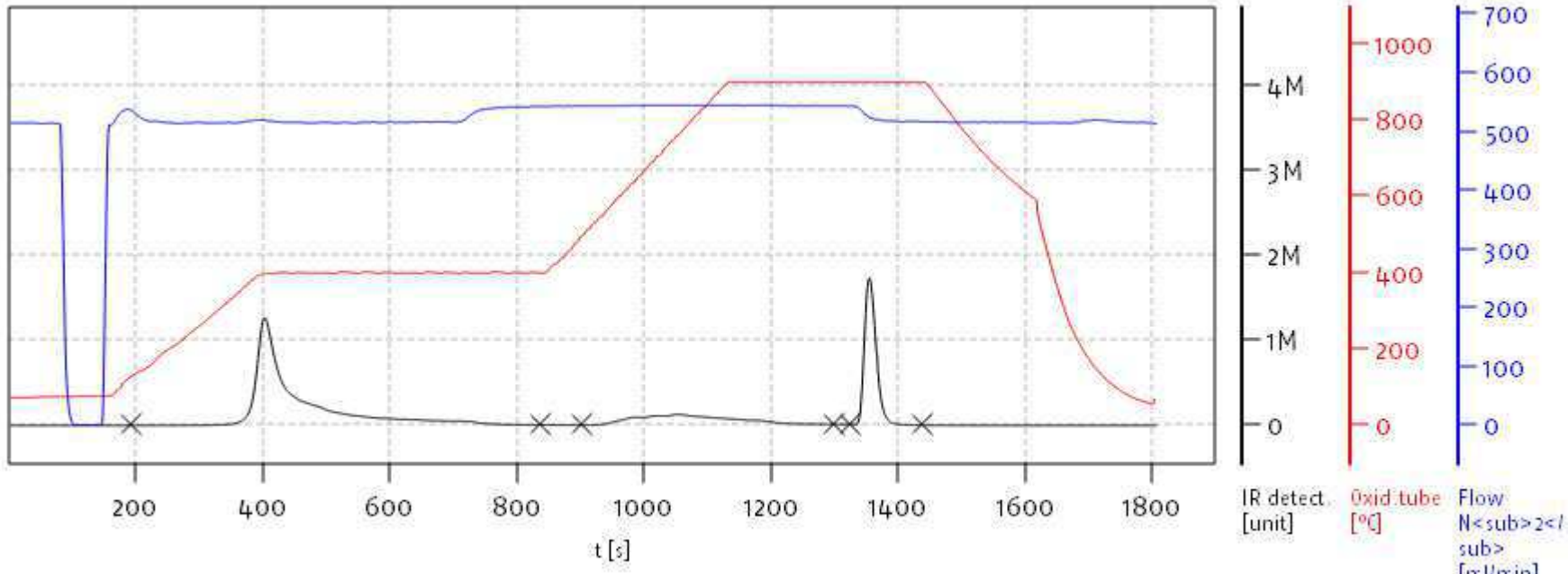
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
165	76	22L0155-61	545.90		CARBON	12/19/2022 11:07 PM	bl	1.240	3 187 960	1.496	0.393	1 412 460	930 433	0.847	0.256	0.9448	1.0000



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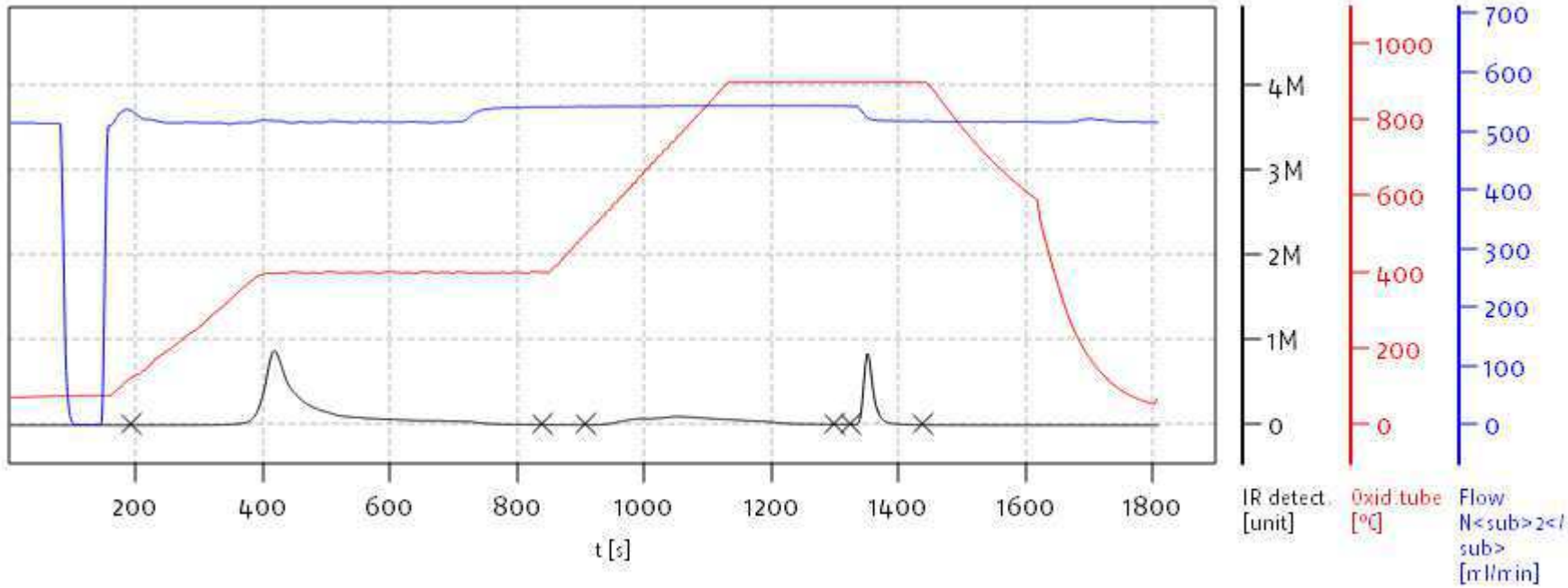
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
166	77	22L0155-62	503.60		CARBON	12/19/2022 11:38 PM	bl	0.873	2 448 400	1.090	0.170	579 959	732 274	0.703	0.217	0.9448	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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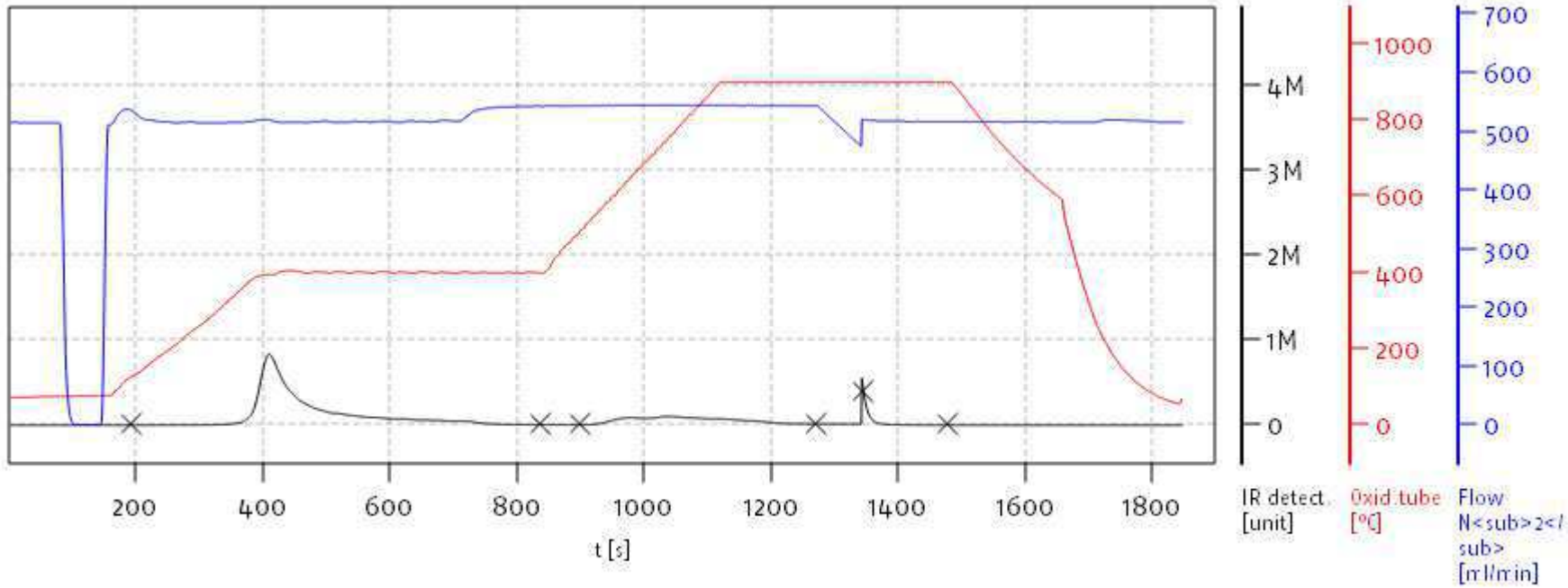
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
167	78	22L0155-63	503.80		CARBON	12/20/2022 12:09 AM	bl	0.787	2 631 460	1.022	0.031	125 896	790 922	0.756	0.235	0.9448	1.0000



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Balance: BAL3
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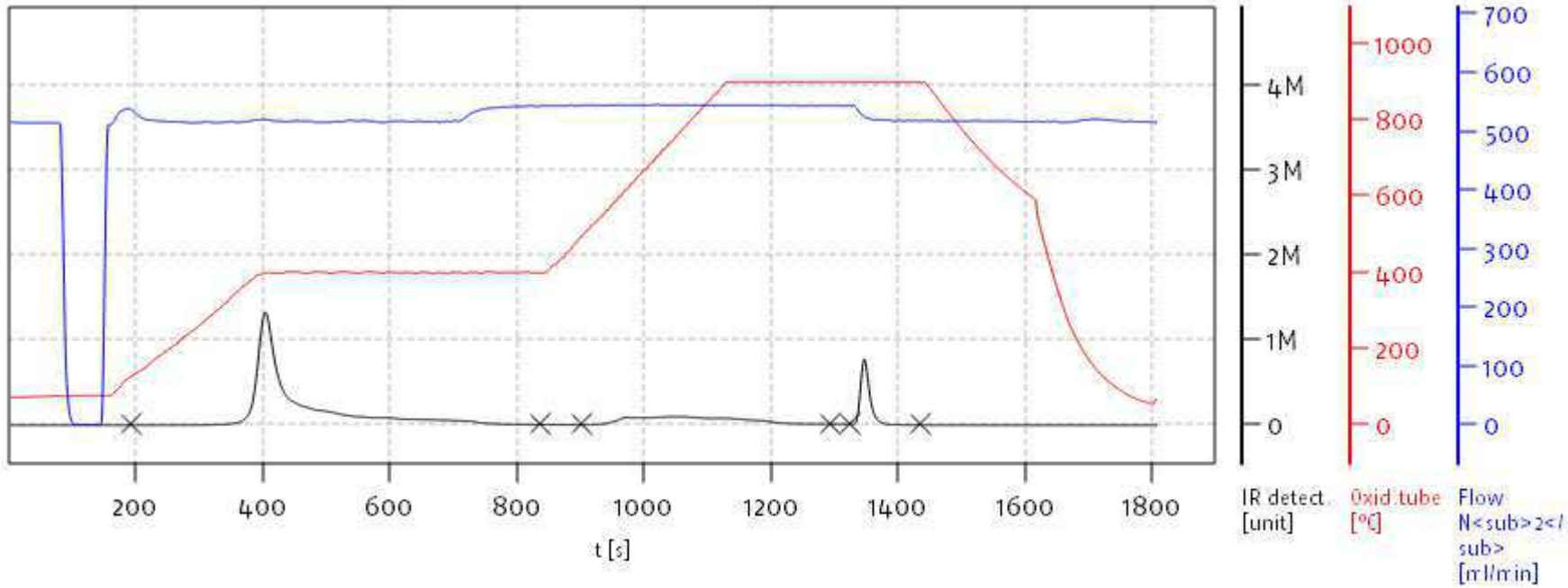
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
168	79	22L0155-64	509.10		CARBON	12/20/2022 12:40 AM	bl	0.994	2 992 340	1.241	0.142	495 108	838 846	0.852	0.247	0.9448	1.0000



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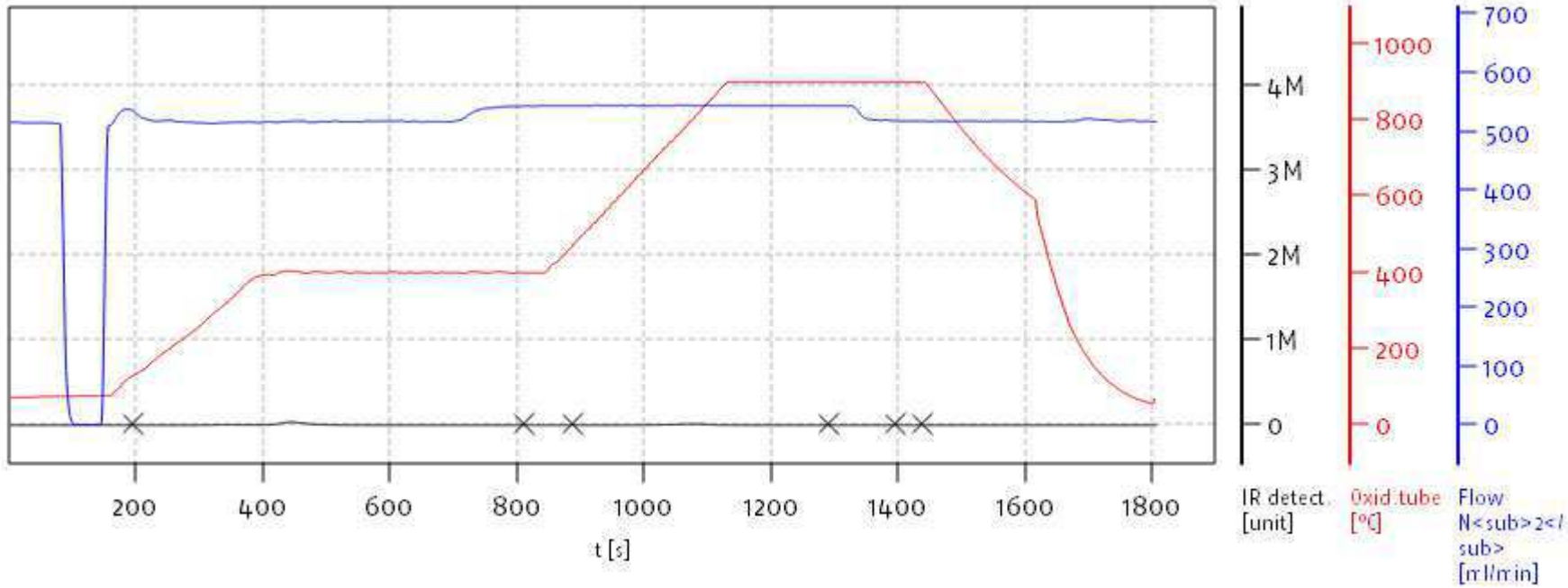
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
169	80	BKL0463-MRL1	512.00		CARBON	12/20/2022 1:10 AM	bl,C2u	0.016	82 500	0.019	0.000	93	36 106	0.016	0.003	0.9448	1.0000



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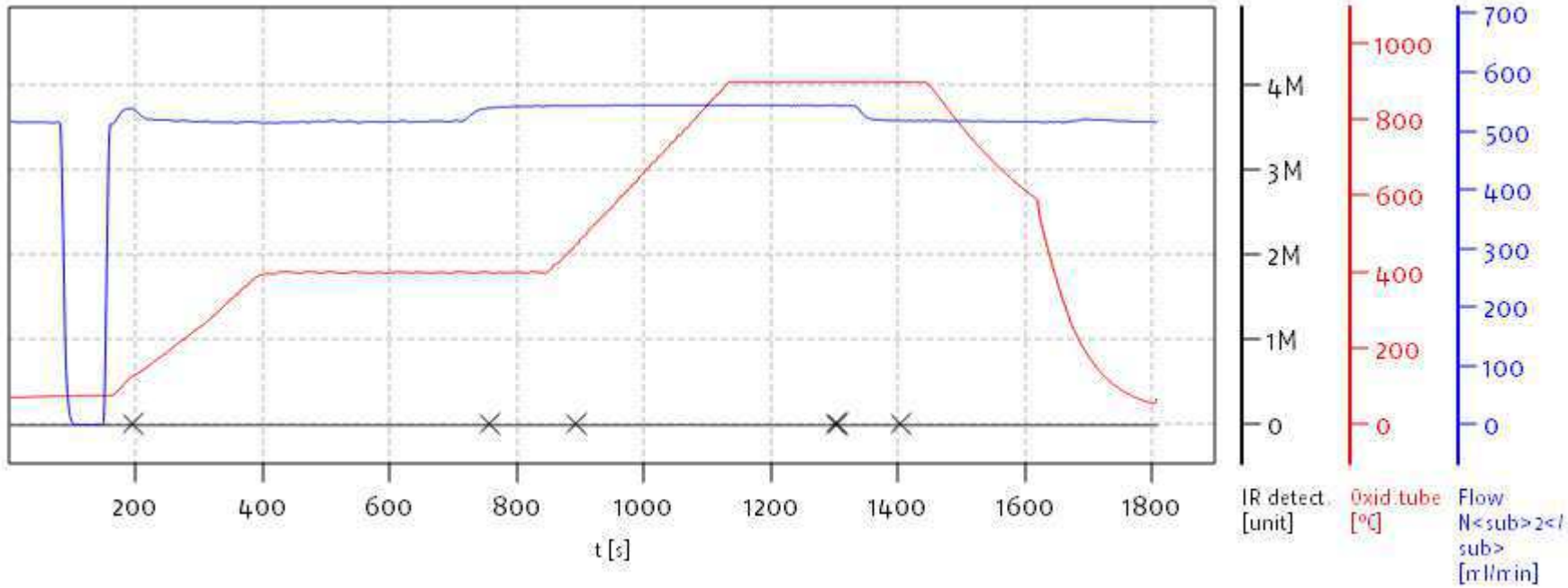
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
170	81	BKL0463-BLK1	503.90		CARBON	12/20/2022 1:41 AM	bl,C2u	0.000	6 605	0.000	0.000	274	5 913	0.000	0.000	0.9448	1.0000



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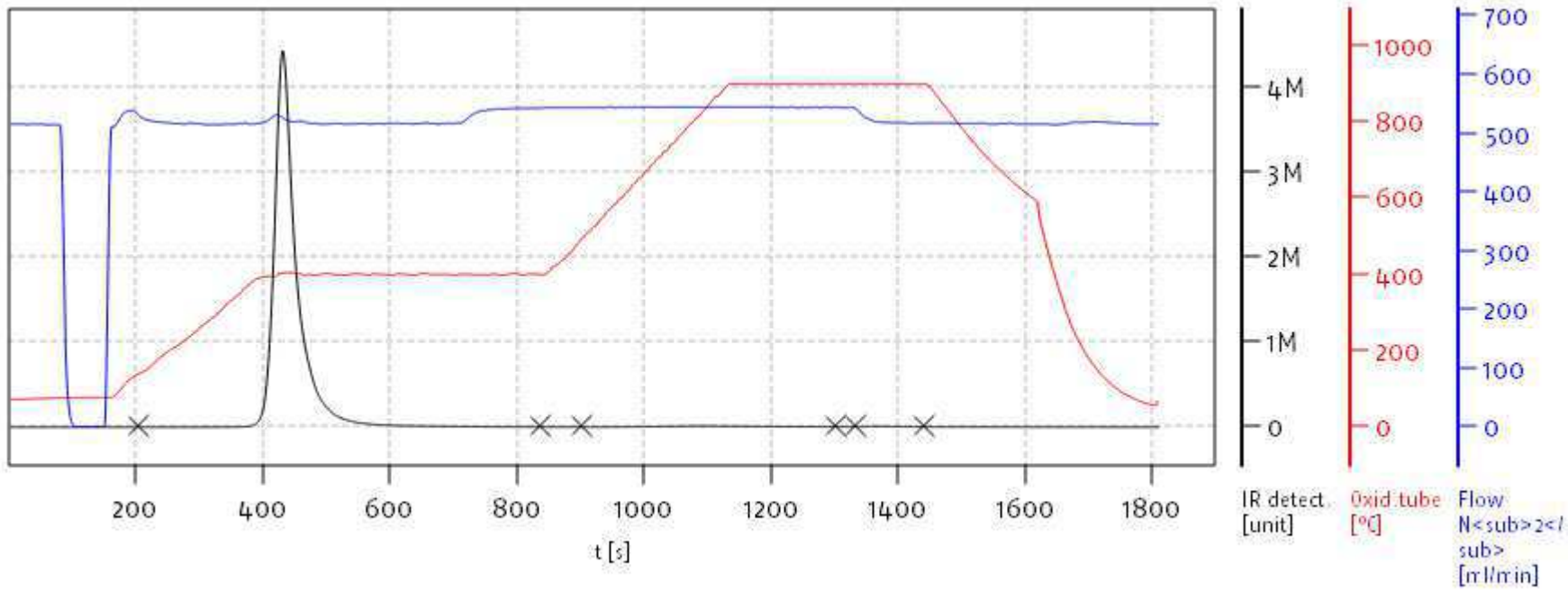
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
171	82	BKL0463-BS1	22.00		CARBON	12/20/2022 2:11 AM	bl	44.521	6 723 480	45.042	0.000	24 433	100 672	44.520	0.522	0.9448	1.0000



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Balance: BAL3
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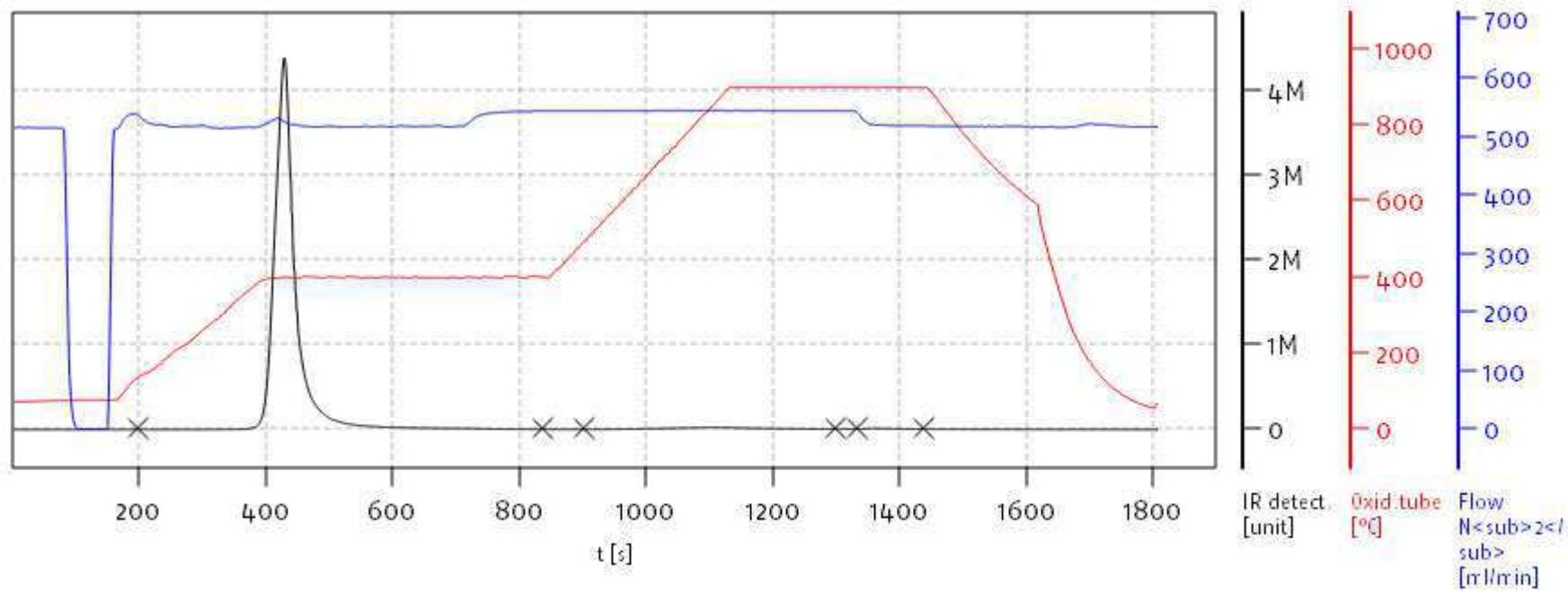
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
172	83	SKL0217-CCVE	20.40		CARBON	12/20/2022 2:42 AM	bl	43.686	6 114 500	44.791	0.039	31 725	172 204	43.646	1.105	0.9448	1.0000



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Balance: BAL3
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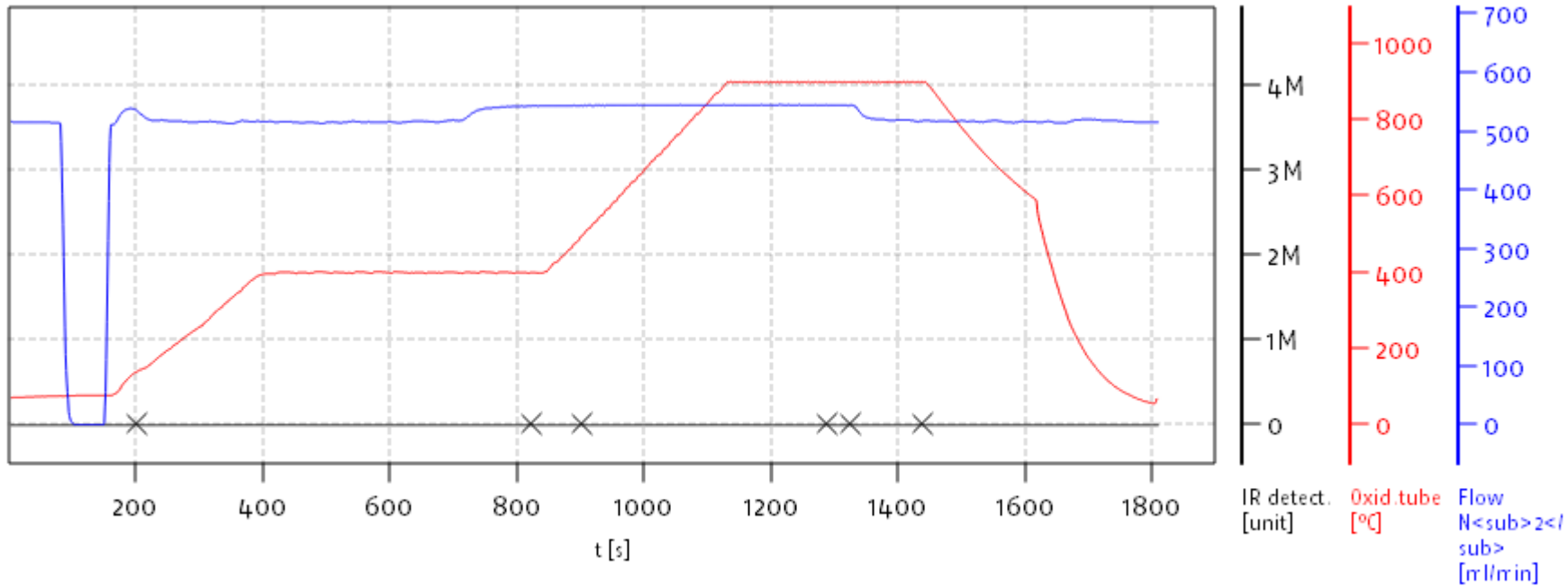
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
173	84	SKL0217-CCBE	541.50		CARBON	12/20/2022 3:12 AM	bl,C2u	0.000	7 687	0.000	0.000	806	6 811	0.000	0.000	0.9448	1.0000



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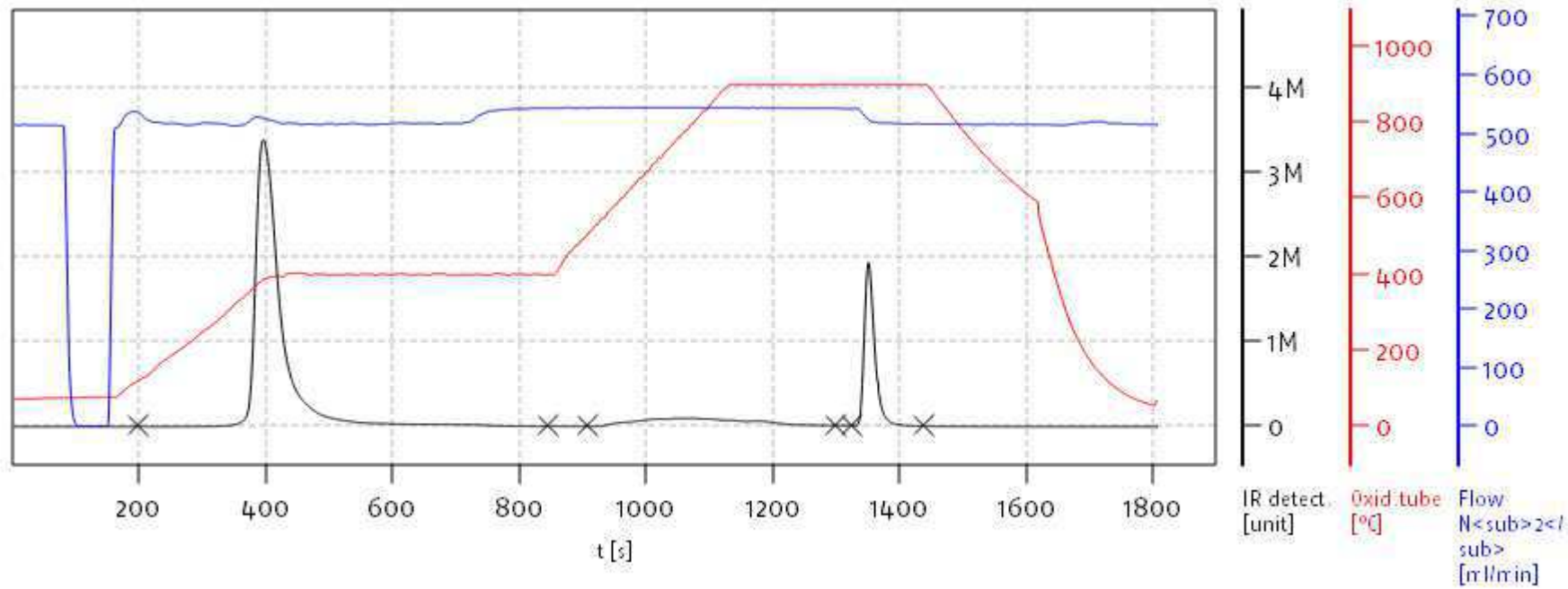
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
174	85	BKL0463-SRM1	347.90		CARBON	12/20/2022 3:43 AM	bl	3.060	5 844 020	3.415	0.614	1 407 440	823 792	2.446	0.355	0.9448	1.0000



Name:

Access: soliTOC superuser

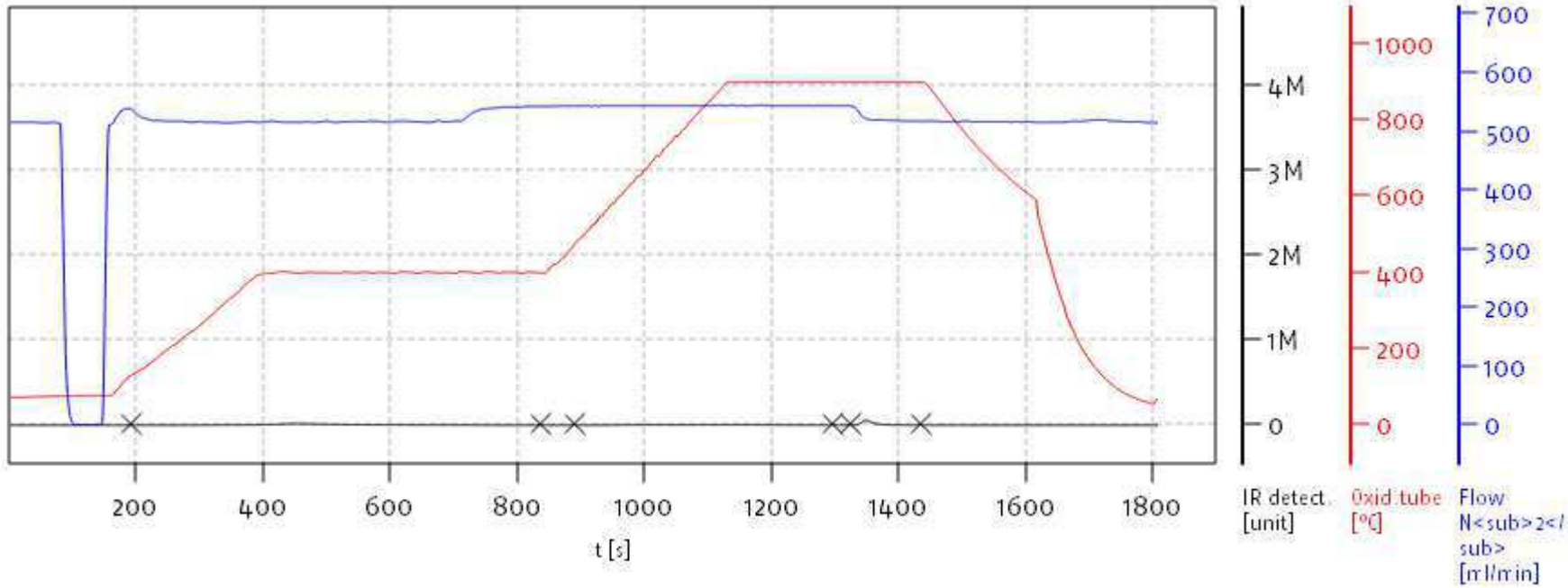
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
175	86	22L0156-01	598.50		CARBON	12/20/2022 4:13 AM	bl	0.023	96 957	0.027	0.006	48 901	40 795	0.017	0.004	0.9448	1.0000



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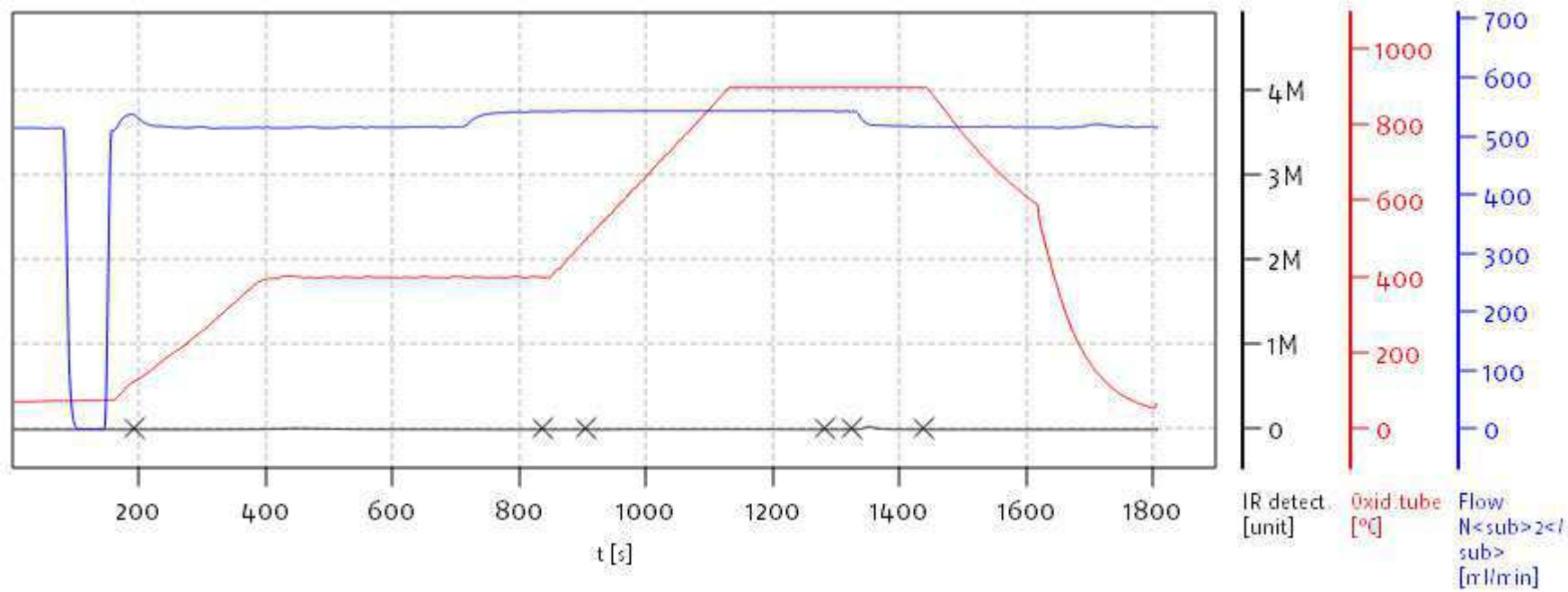
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
176	87	BKL0463-DUP1	598.40		CARBON	12/20/2022 4:44 AM	bl	0.011	66 509	0.013	0.001	31 133	33 971	0.010	0.002	0.9448	1.0000



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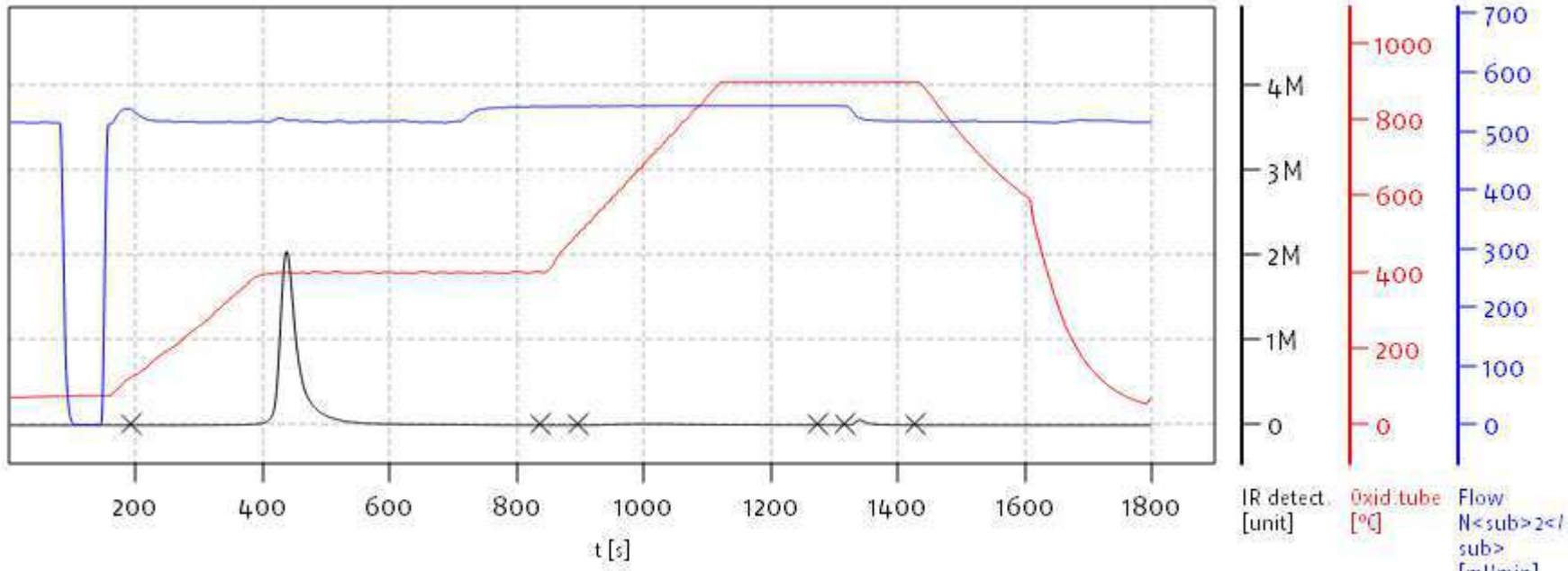
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
177	88	BKL0463-MS1	601.50	0.0085	CARBON	12/20/2022 5:14 AM	bl	0.640	2 625 410	0.658	0.008	56 440	98 817	0.632	0.019	0.9448	1.0000



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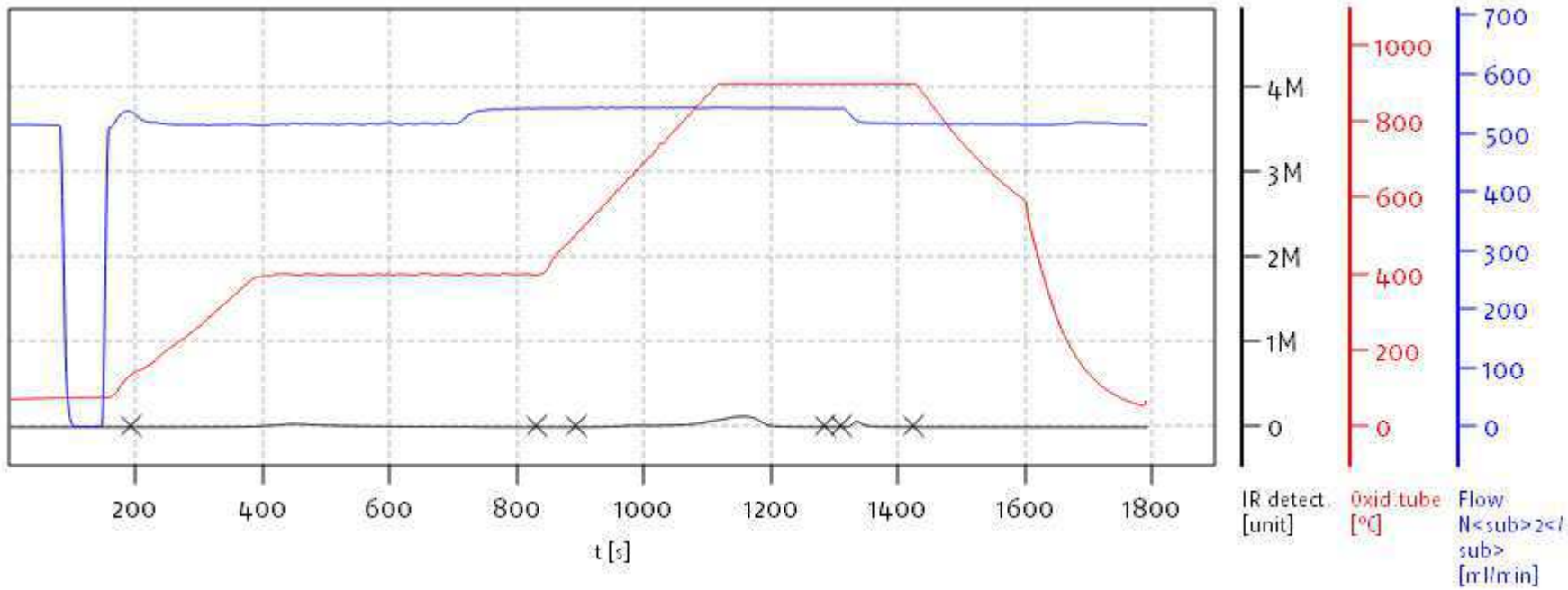
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
178	89	22L0156-02	501.20		CARBON	12/20/2022 5:45 AM	bl	0.058	198 479	0.199	0.008	51 774	484 681	0.050	0.142	0.9448	1.0000



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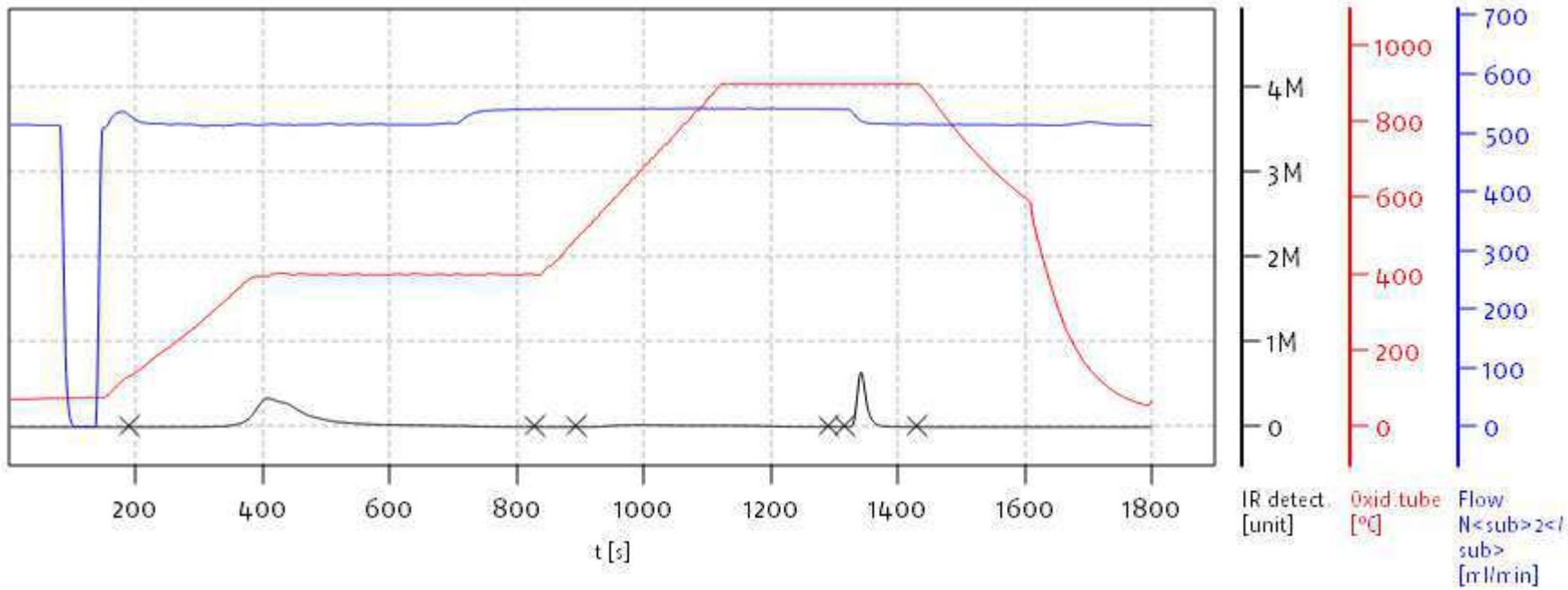
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
179	1	22L0156-03	500.00		CARBON	12/20/2022 6:15 AM	bl	0.499	1 324 590	0.553	0.119	412 411	199 861	0.380	0.054	0.9448	1.0000



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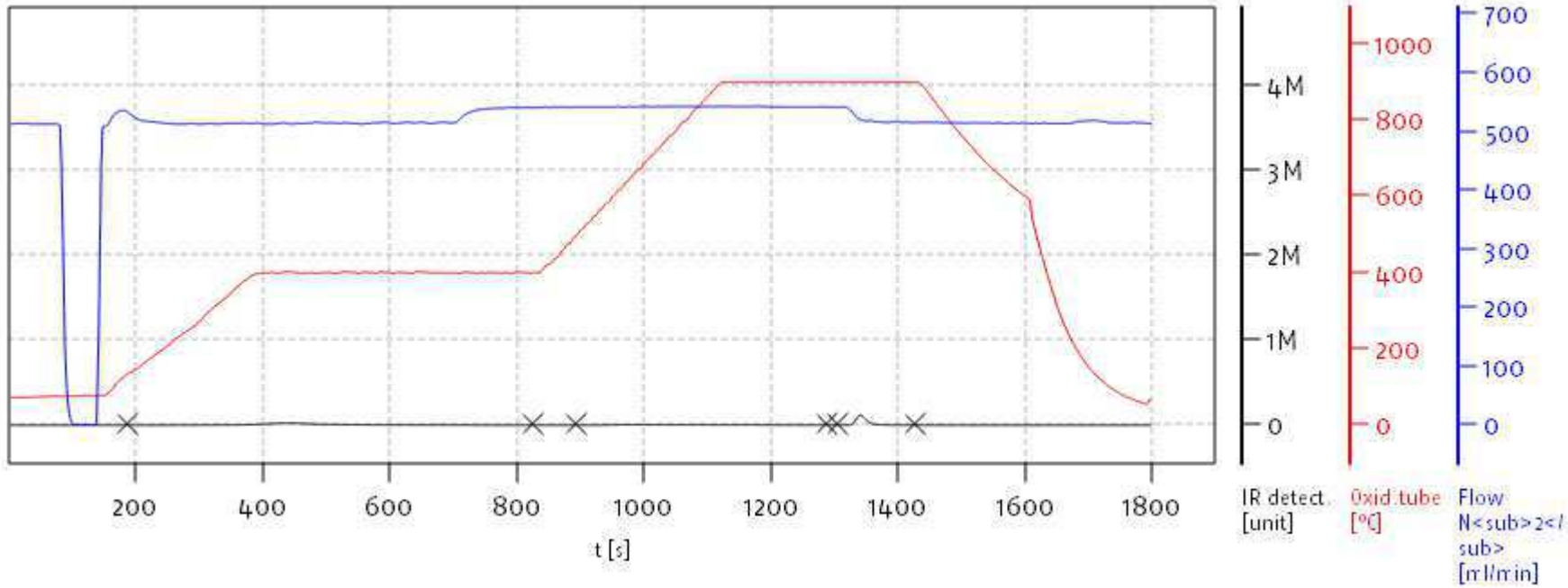
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
180	2	22L0156-04	523.40		CARBON	12/20/2022 6:45 AM	bl	0.045	122 106	0.051	0.018	87 731	47 796	0.027	0.006	0.9448	1.0000



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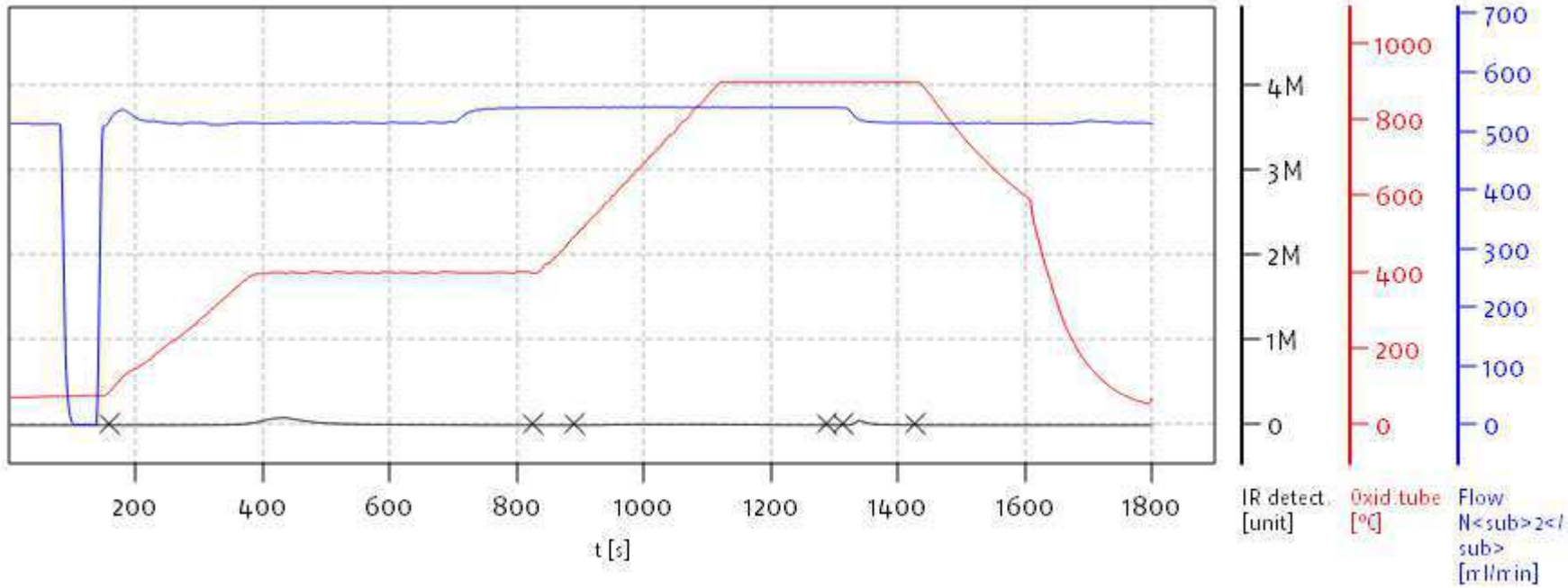
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
181	3	22L0156-05	513.30		CARBON	12/20/2022 7:16 AM	bl	0.095	332 727	0.110	0.008	52 564	77 600	0.087	0.015	0.9448	1.0000



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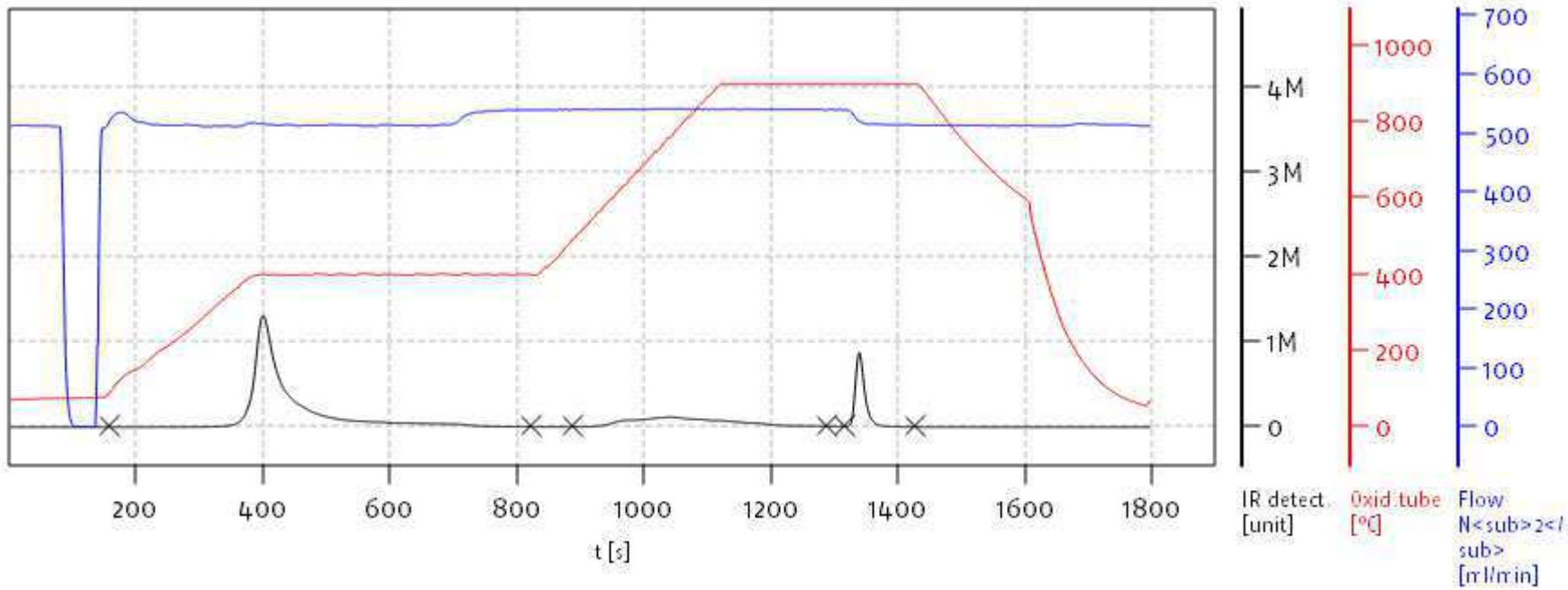
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
182	4	22L0199-01	524.40		CARBON	12/20/2022 7:46 AM	bl	0.969	2 921 100	1.206	0.162	574 519	829 196	0.807	0.237	0.9448	1.0000



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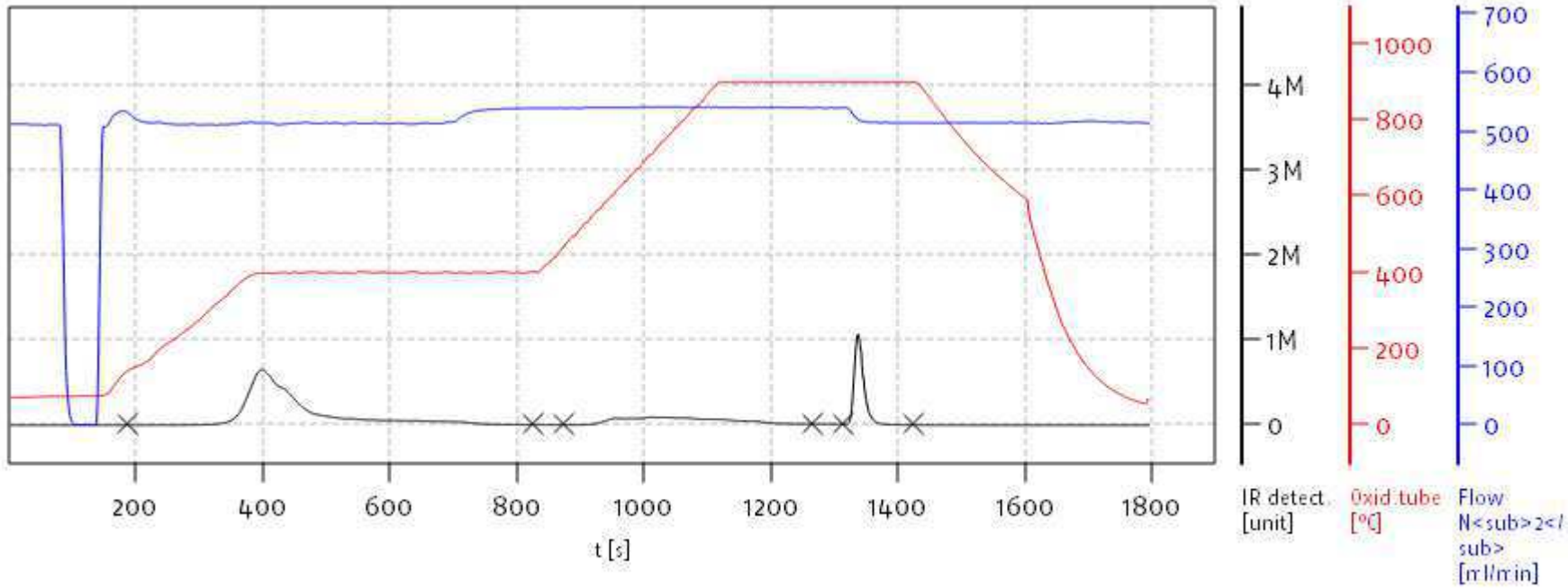
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
183	5	22L0199-02	505.50		CARBON	12/20/2022 8:17 AM	bl	0.903	2 427 950	1.127	0.209	707 865	755 105	0.695	0.223	0.9448	1.0000



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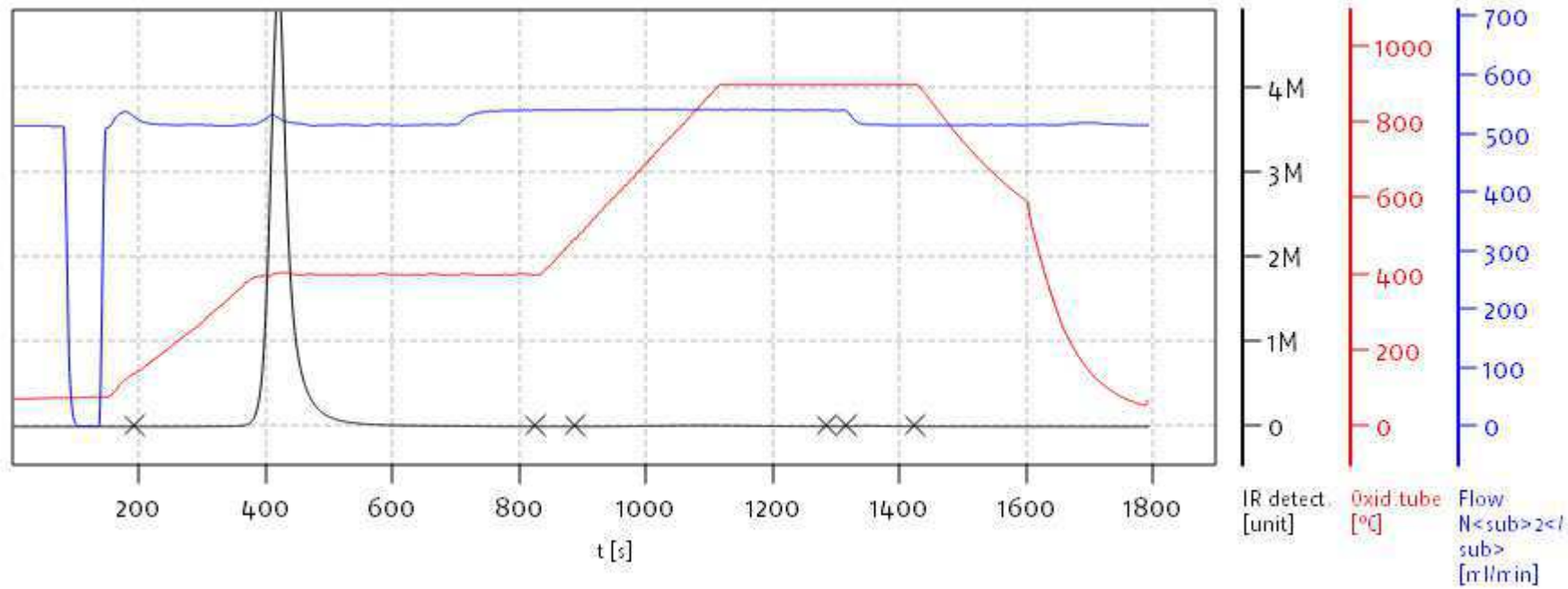
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
184	6	SKL0217-CCVF	22.50		CARBON	12/20/2022 8:47 AM	bl	45.118	6 967 550	45.663	0.000	22 312	105 828	45.118	0.546	0.9448	1.0000



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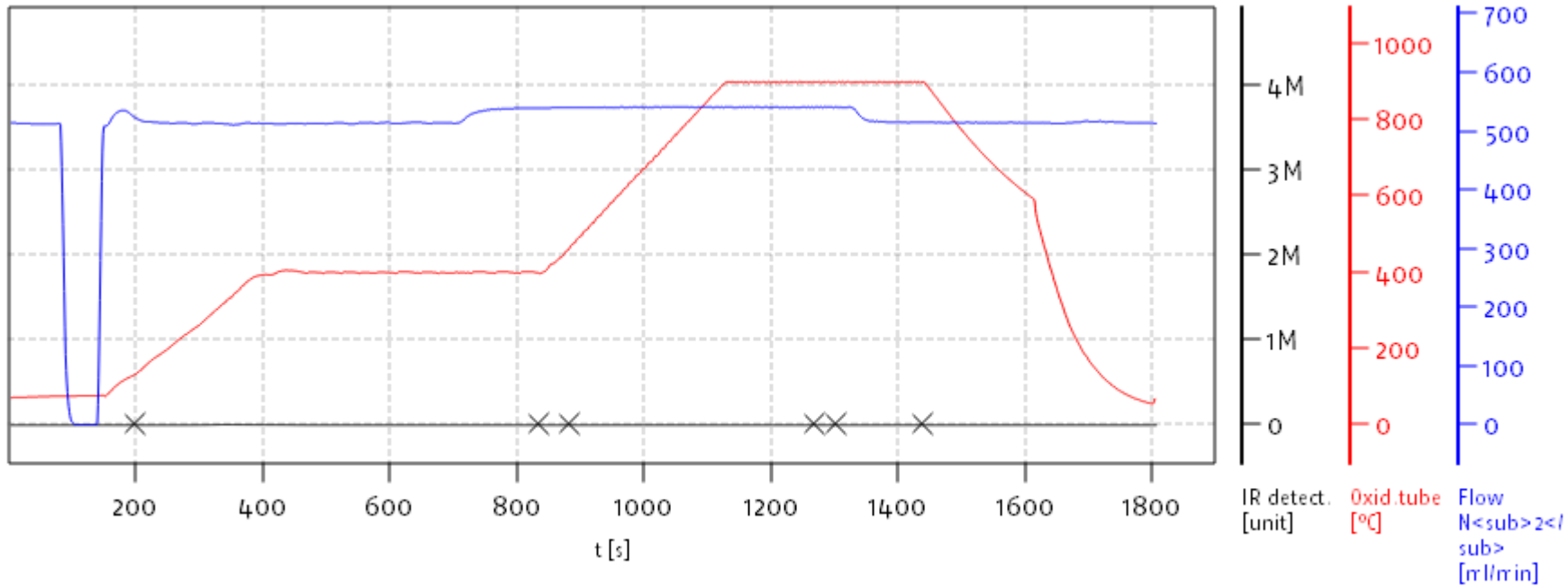
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
185	7	SKL0217-CCBF	537.70		CARBON	12/20/2022 9:17 AM	bl,C3u,C2u	0.000	21 484	0.000	0.000	398	1 196	0.000	0.000	0.9448	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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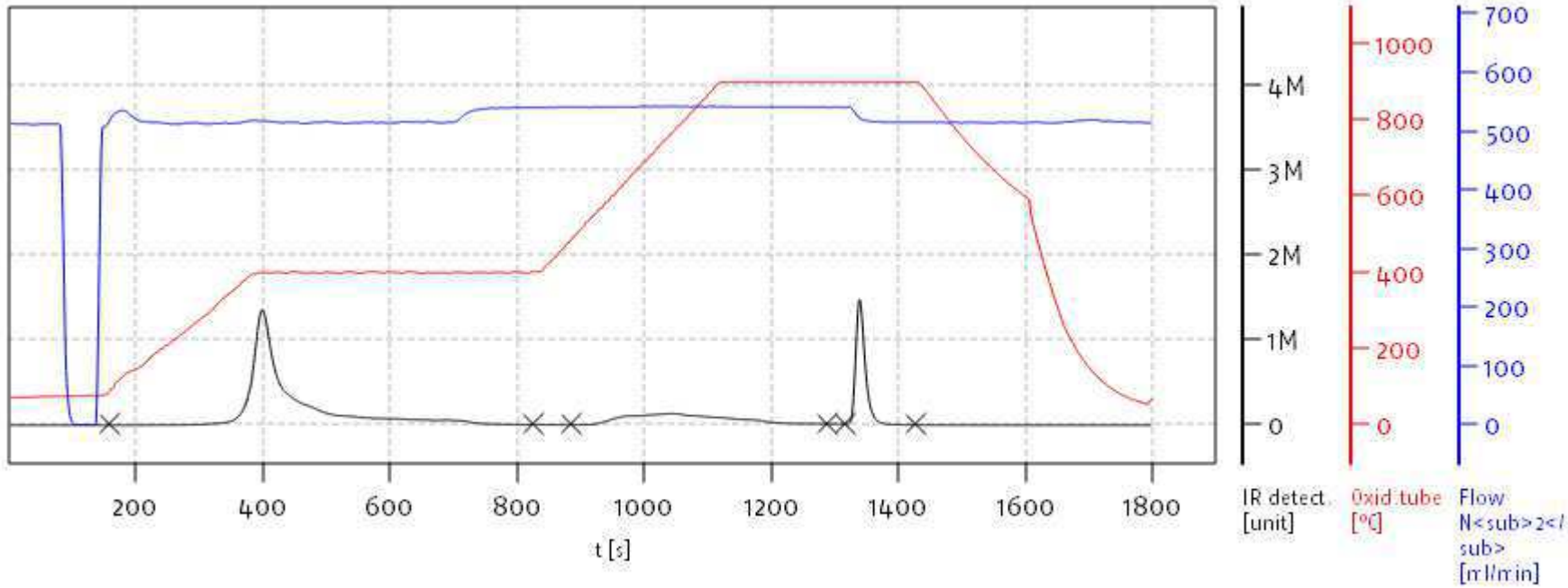
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
186	8	22L0199-03	560.10		CARBON	12/20/2022 9:48 AM	bl	1.115	3 291 930	1.391	0.262	975 703	1 023 980	0.853	0.276	0.9448	1.0000



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Balance: BAL3
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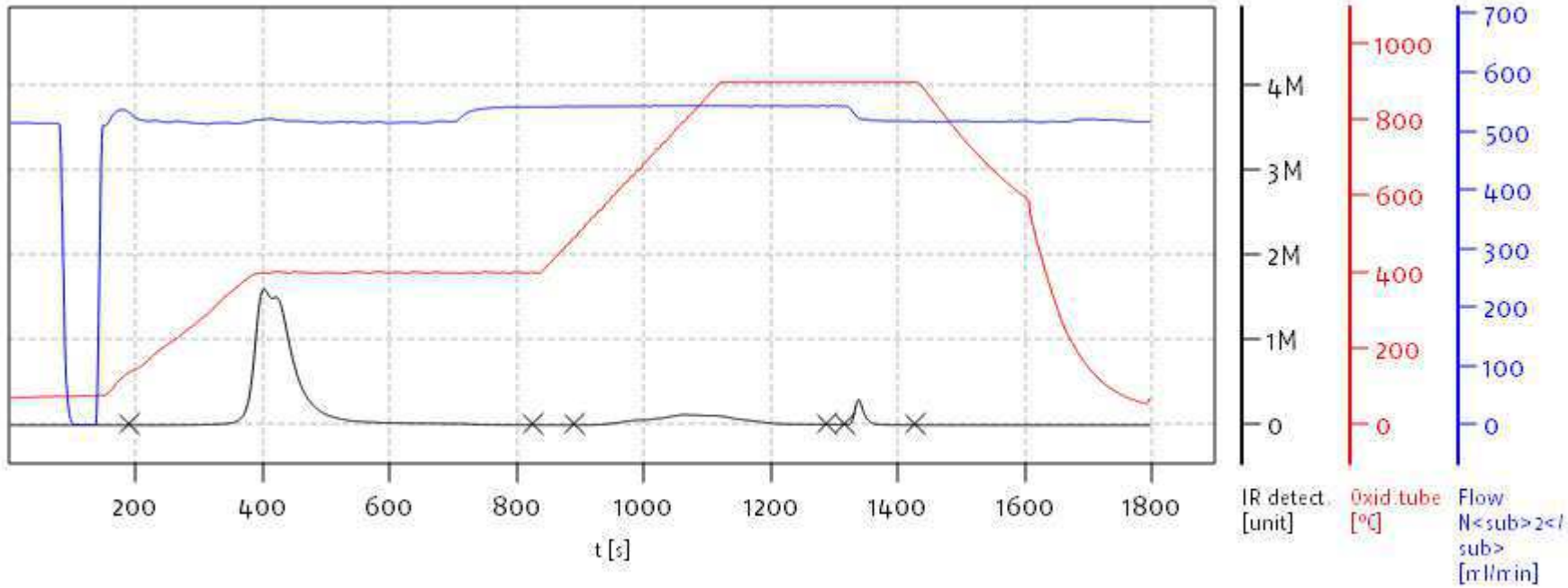
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
187	9	22L0199-04	522.70		CARBON	12/20/2022 10:18 AM	bl	1.255	4 331 230	1.479	0.051	197 323	782 278	1.204	0.224	0.9448	1.0000



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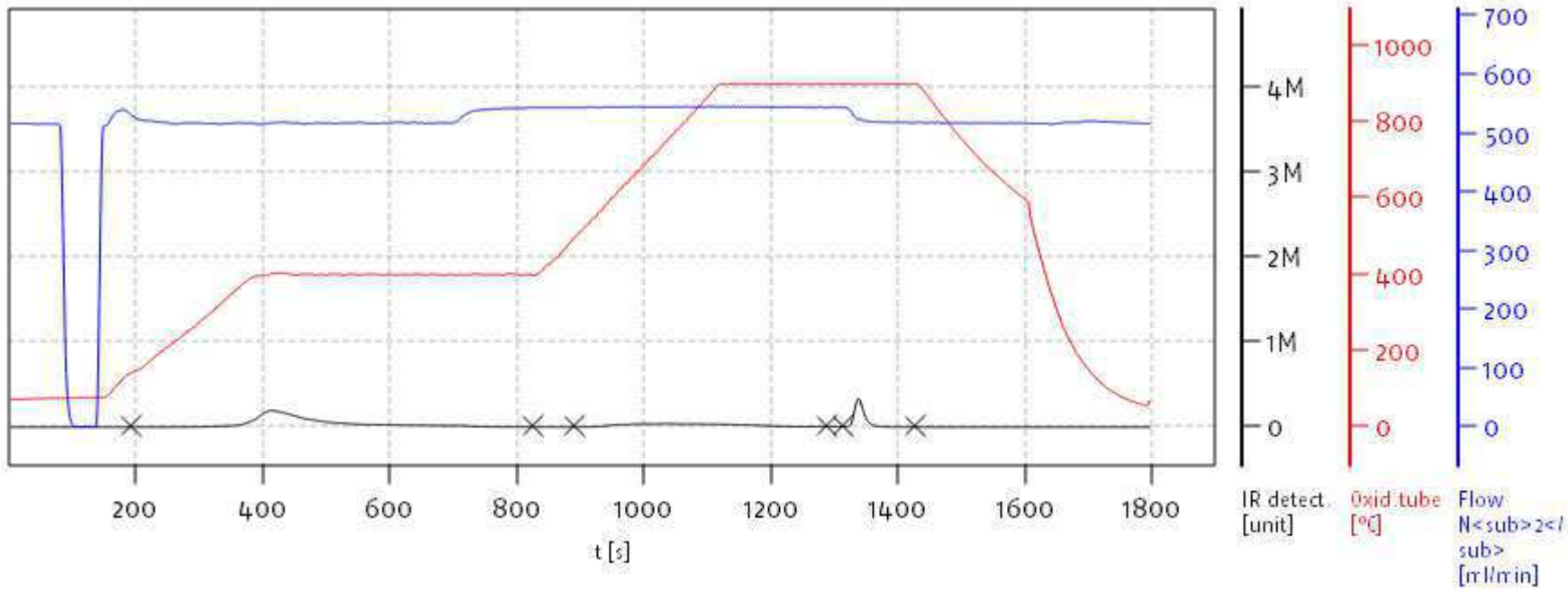
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
188	10	22L0199-05	516.00		CARBON	12/20/2022 10:49 AM	bl	0.300	874 341	0.392	0.059	224 340	333 507	0.240	0.092	0.9448	1.0000



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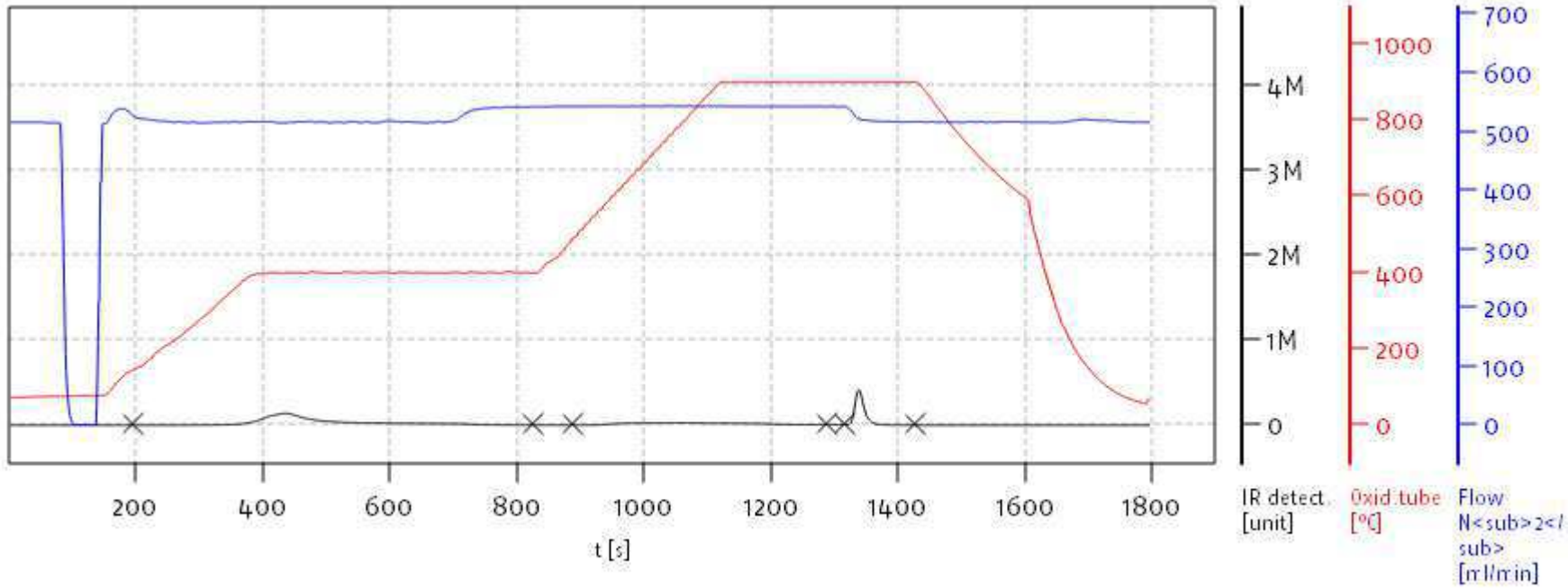
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
189	11	22L0199-06	548.90		CARBON	12/20/2022 11:19 AM	bl	0.232	639 113	0.294	0.069	269 938	247 418	0.163	0.062	0.9448	1.0000



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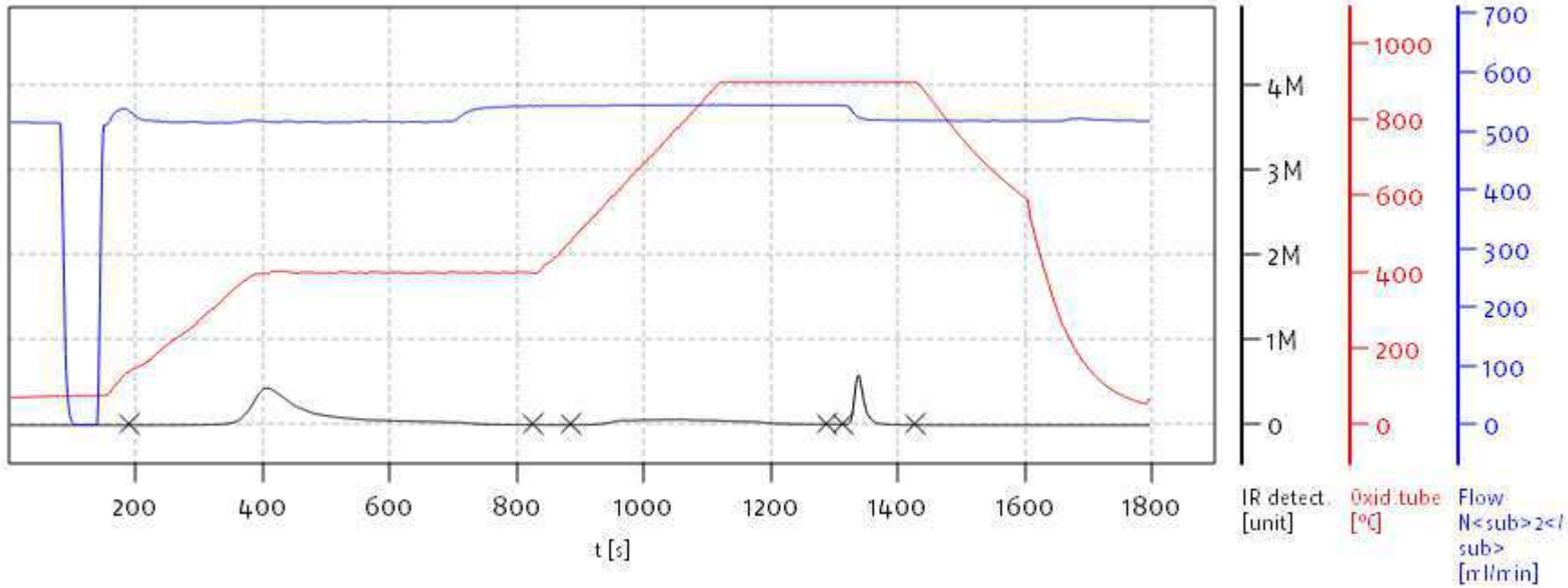
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
190	12	22L0199-07	504.50		CARBON	12/20/2022 11:49 AM	bl	0.636	1 823 540	0.800	0.115	402 585	560 617	0.521	0.164	0.9448	1.0000



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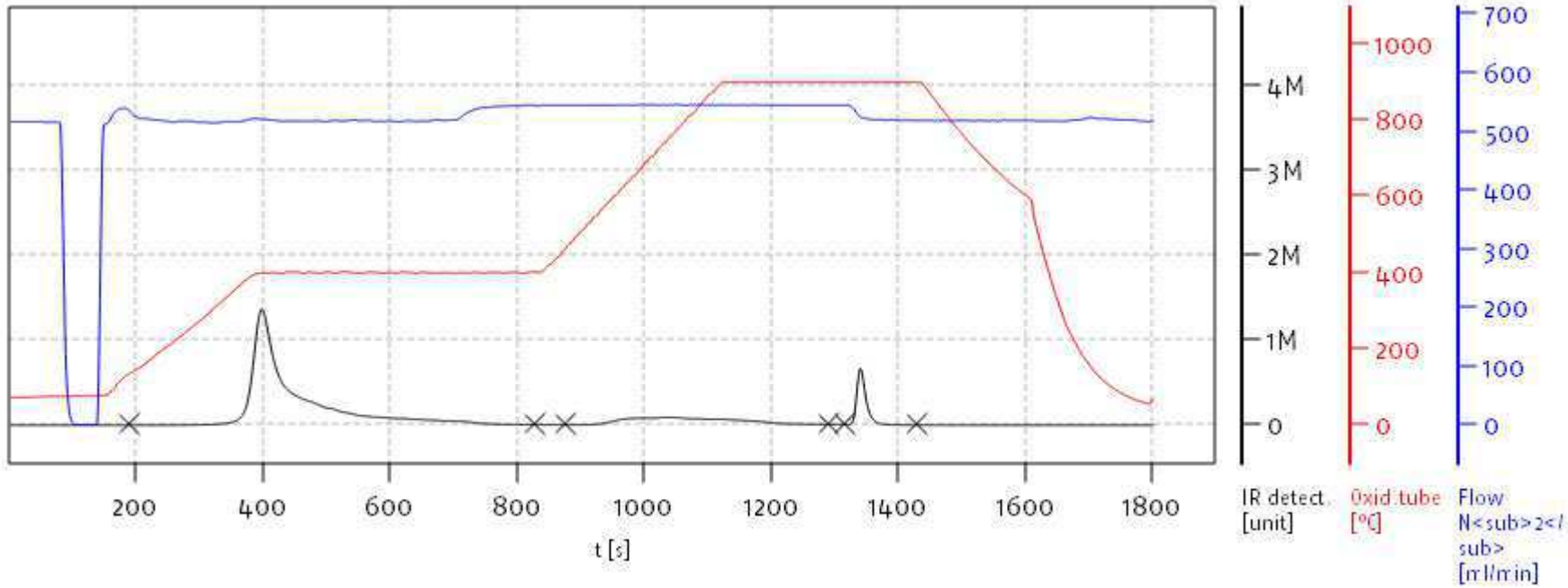
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
191	13	22L0199-08	540.40		CARBON	12/20/2022 12:20 PM	bl	1.076	3 577 230	1.281	0.116	429 874	738 756	0.961	0.204	0.9448	1.0000



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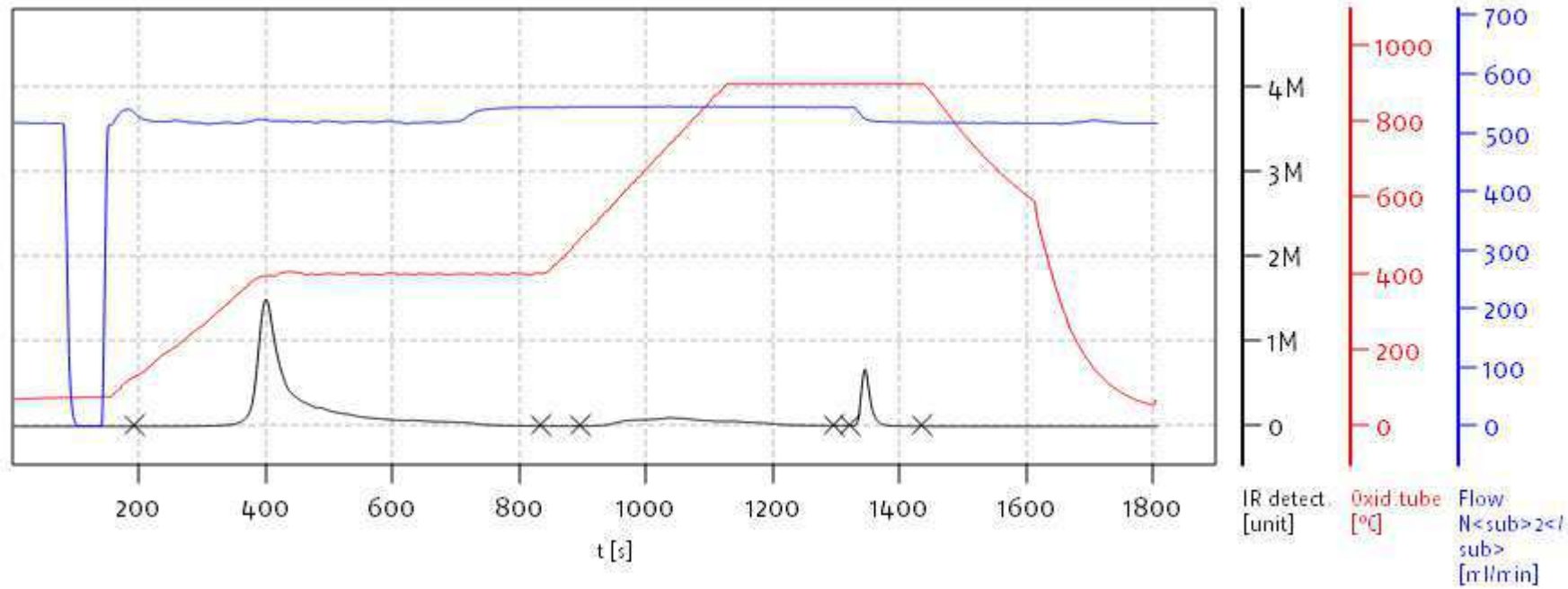
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
192	14	22L0199-09	519.80		CARBON	12/20/2022 12:50 PM	bl	1.109	3 542 490	1.314	0.120	428 410	715 126	0.989	0.205	0.9448	1.0000



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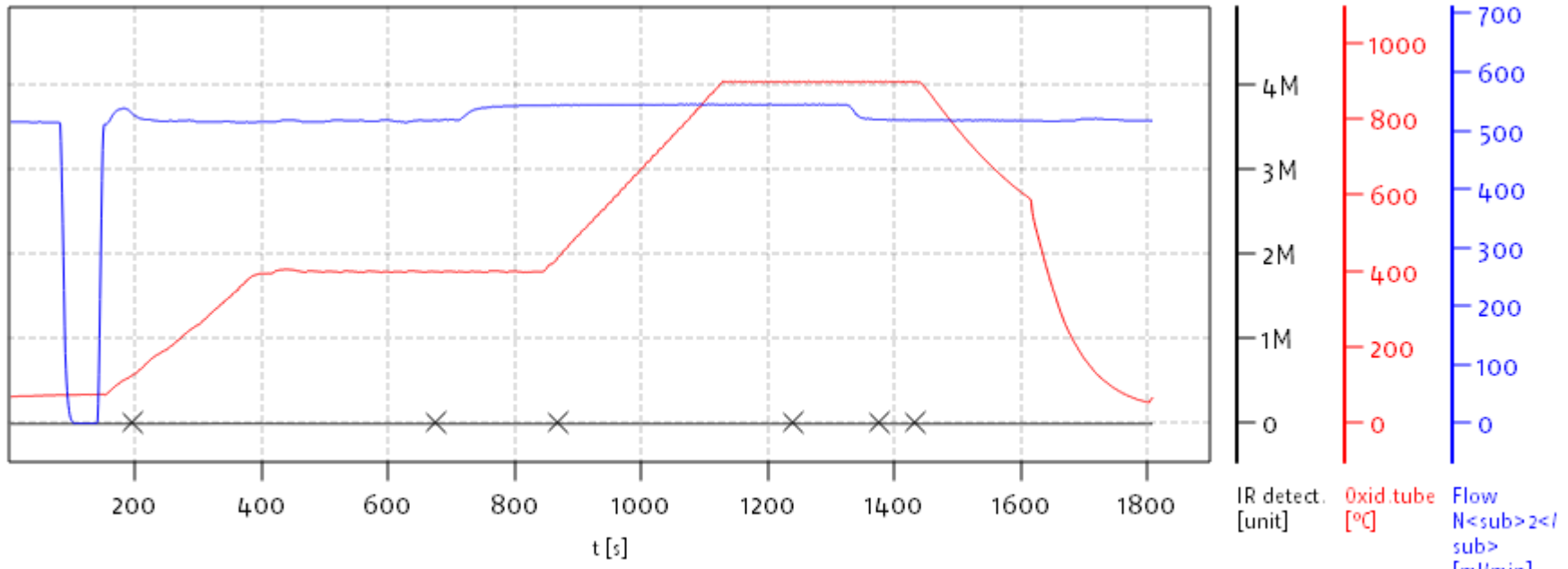
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
193	15	BLANK	1.00		CARBON	12/20/2022 1:21 PM	bl	0.000	10 041	0.000	0.000	91	568	0.000	0.000	0.9448	1.0000



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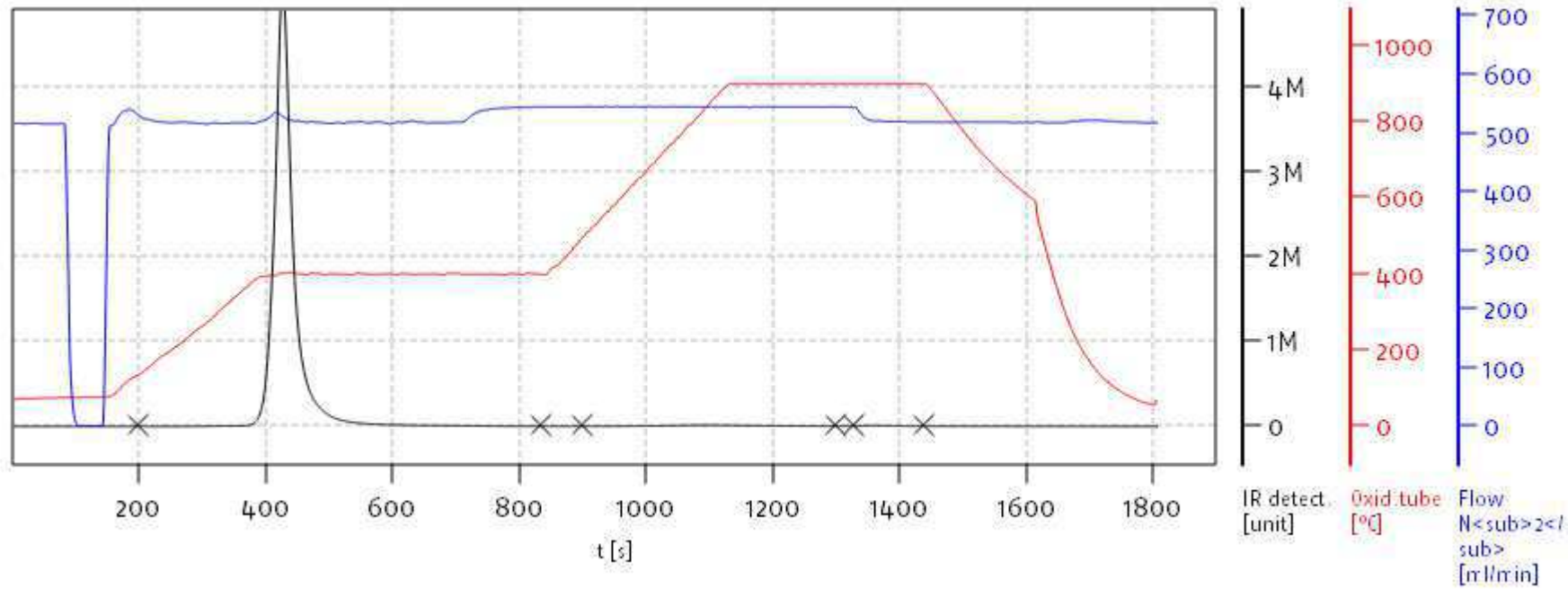
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
194	16	Dfactor	21.60		CARBON	12/20/2022 1:51 PM	bl	44.446	6 665 330	45.009	0.000	23 938	105 172	44.446	0.564	0.9341	1.0000



Name:

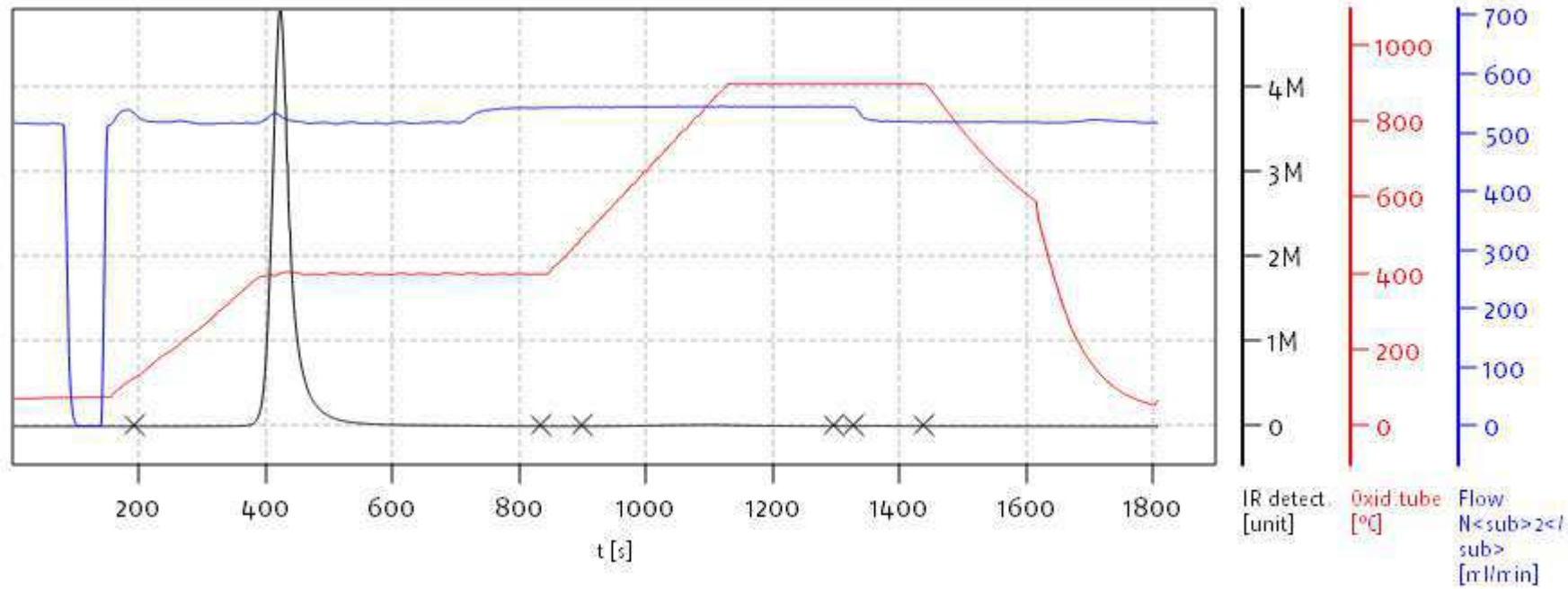
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
195	17	Dfactor	21.10		CARBON	12/20/2022 2:22 PM	bl	44.446	6 552 730	45.141	0.000	15 933	121 315	44.446	0.695	0.9283	1.0000



Name:

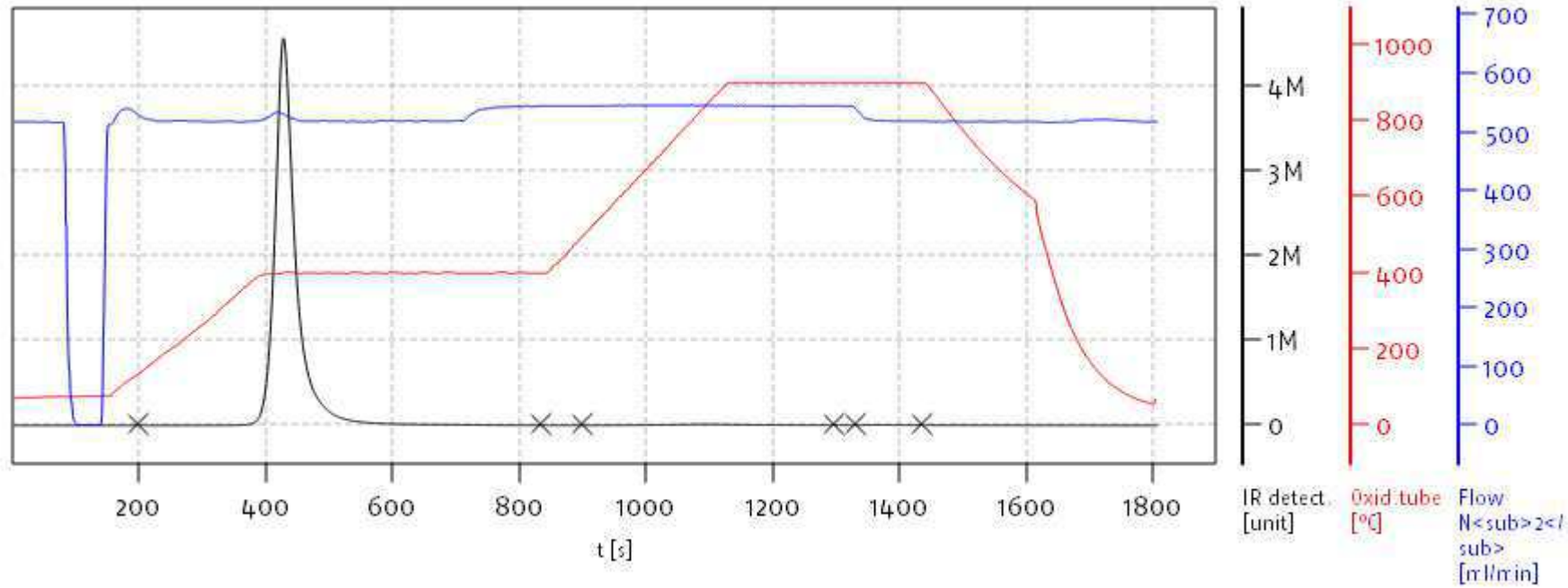
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
196	18	SKL0217-CCVG	21.40		CARBON	12/20/2022 2:52 PM	bl	44.189	6 586 520	44.630	0.000	18 852	87 537	44.189	0.441	0.9312	1.0000



Name:

Access: soliTOC superuser

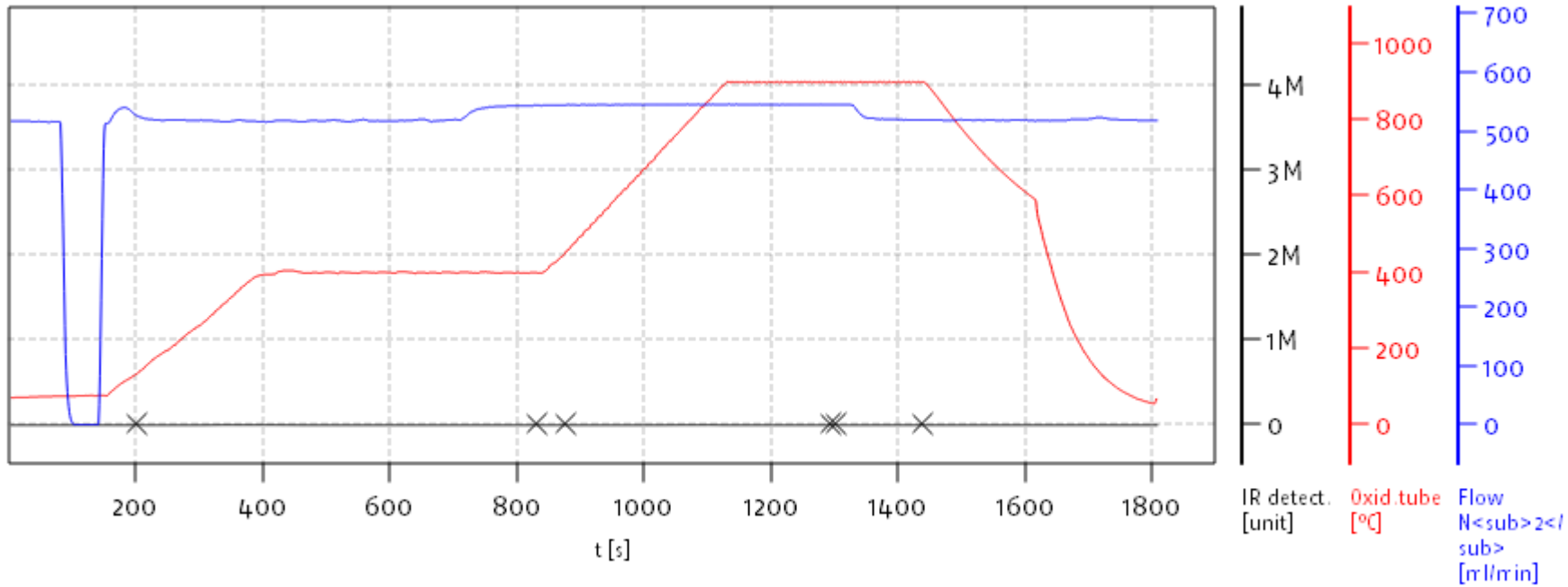
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
197	19	SKL0217-CCBG	520.70		CARBON	12/20/2022 3:23 PM	bl,C2u	0.000	12 328	0.000	0.000	705	6 361	0.000	0.000	0.9312	1.0000



Name:

Access: soliTOC superuser

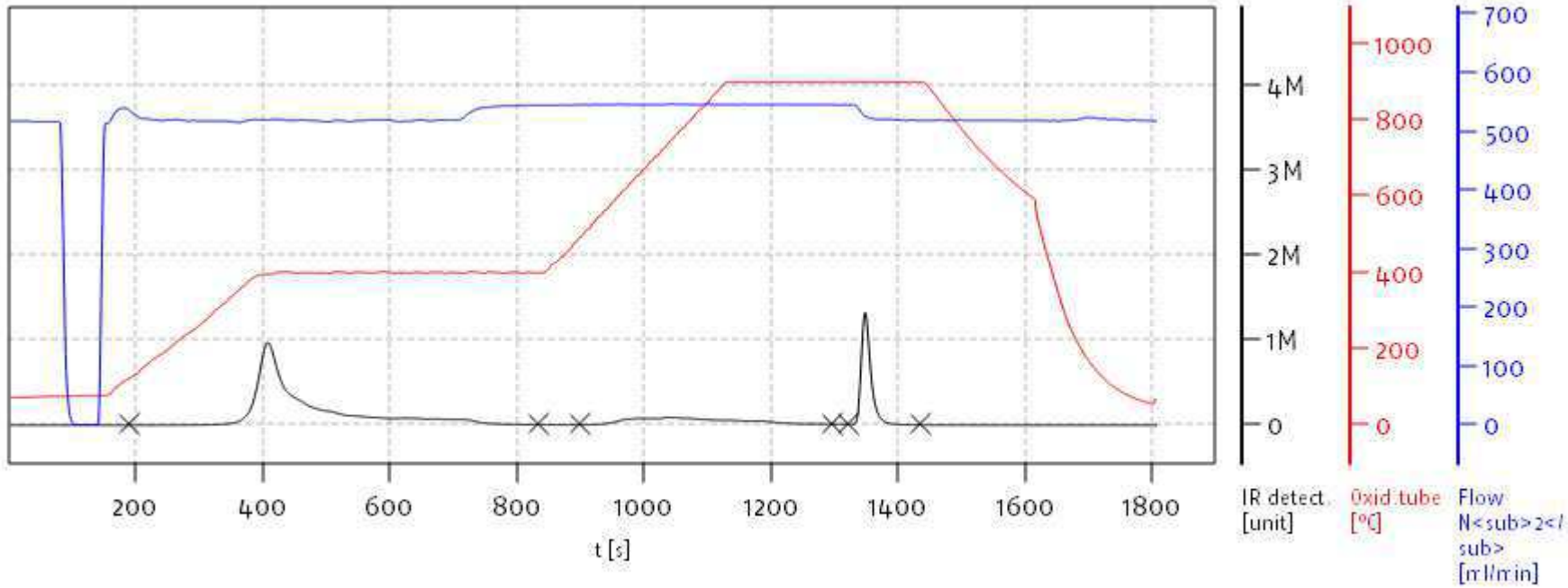
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
198	20	22L0199-10	519.10		CARBON	12/20/2022 3:54 PM	bl	1.053	2 892 420	1.256	0.257	887 781	708 865	0.796	0.203	0.9312	1.0000



Name:

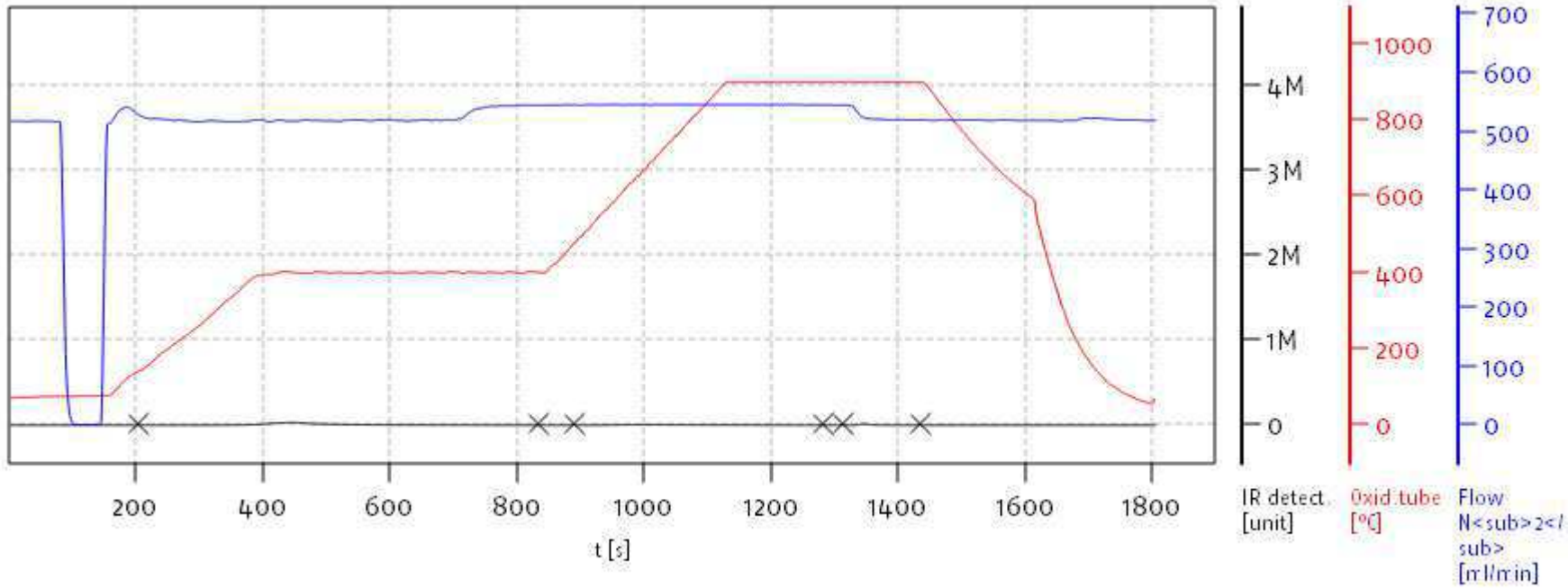
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
199	21	22L0199-11	612.50		CARBON	12/20/2022 4:24 PM	bl	0.025	131 352	0.027	0.000	11 023	34 262	0.025	0.002	0.9312	1.0000



Name:

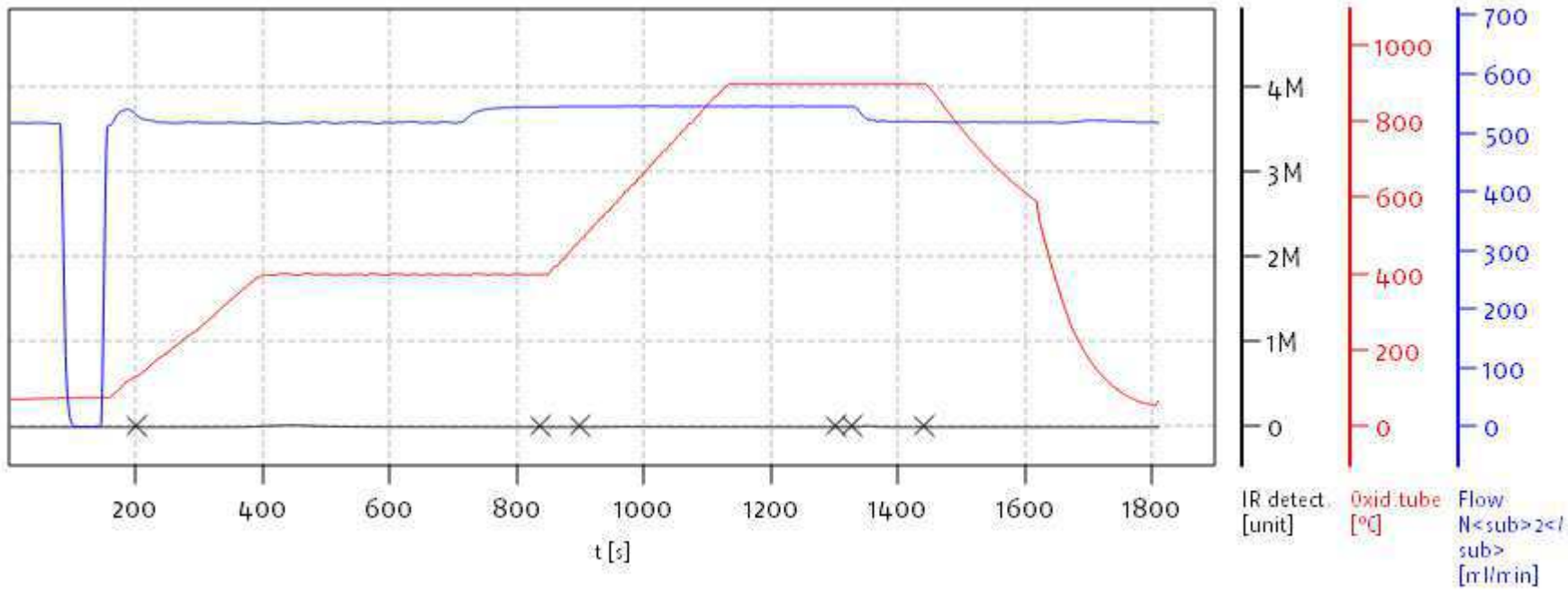
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
200	22	22L0199-12	505.10		CARBON	12/20/2022 4:55 PM	bl	0.020	97 615	0.020	0.000	9 973	26 039	0.020	0.000	0.9312	1.0000



Name:

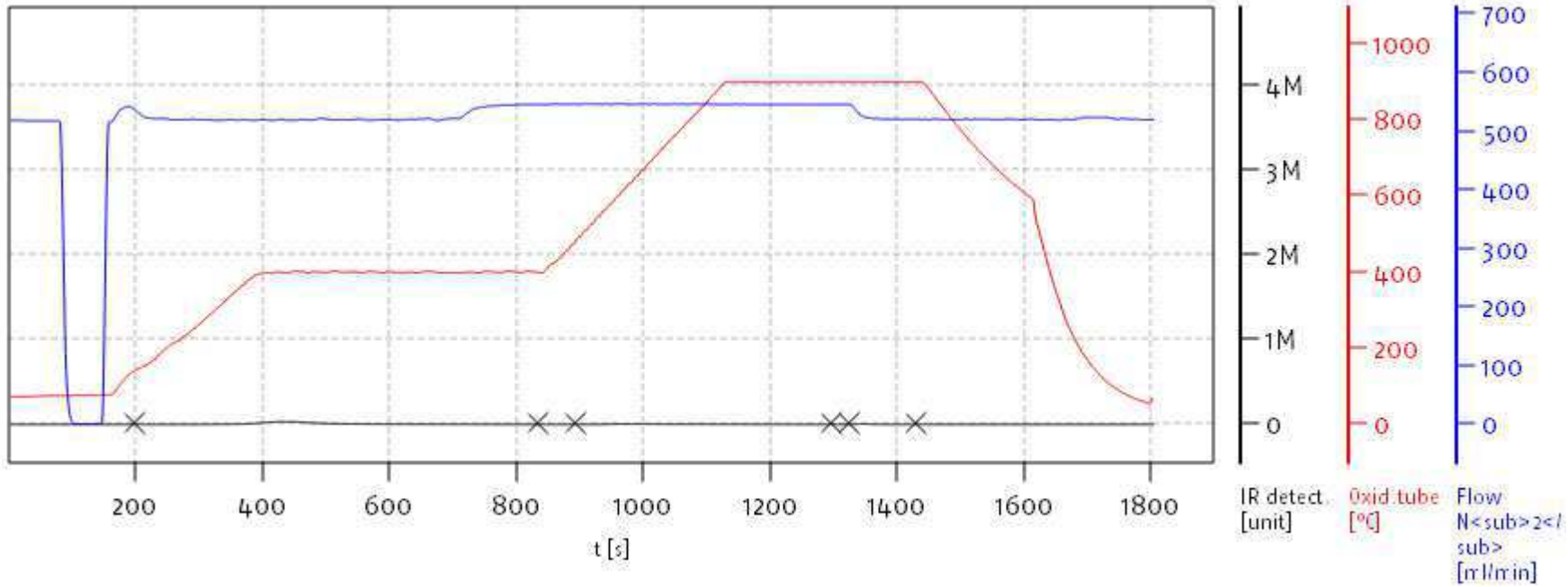
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
201	23	22L0199-13	511.70		CARBON	12/20/2022 5:25 PM	bl	0.034	148 167	0.036	0.000	5 907	30 729	0.034	0.001	0.9312	1.0000



Name:

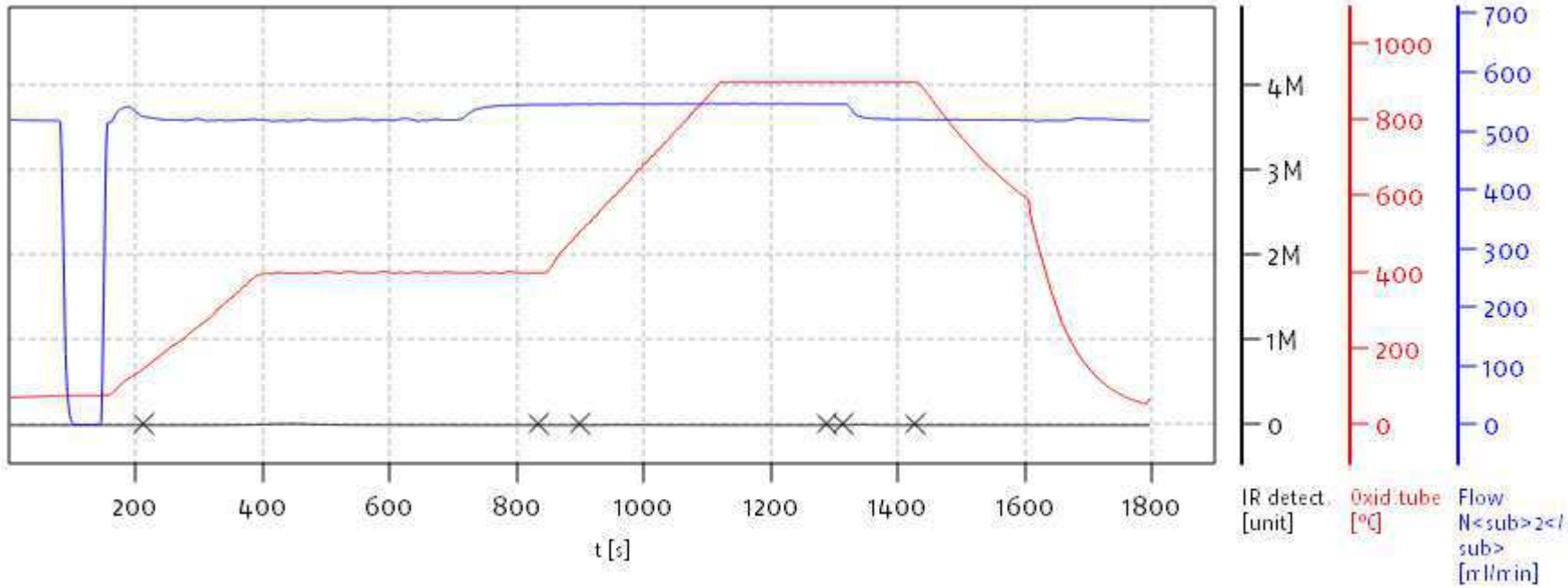
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
202	24	22L0199-14	545.70		CARBON	12/20/2022 5:55 PM	bl	0.011	68 240	0.011	0.000	7 299	14 713	0.011	0.000	0.9312	1.0000



Name:

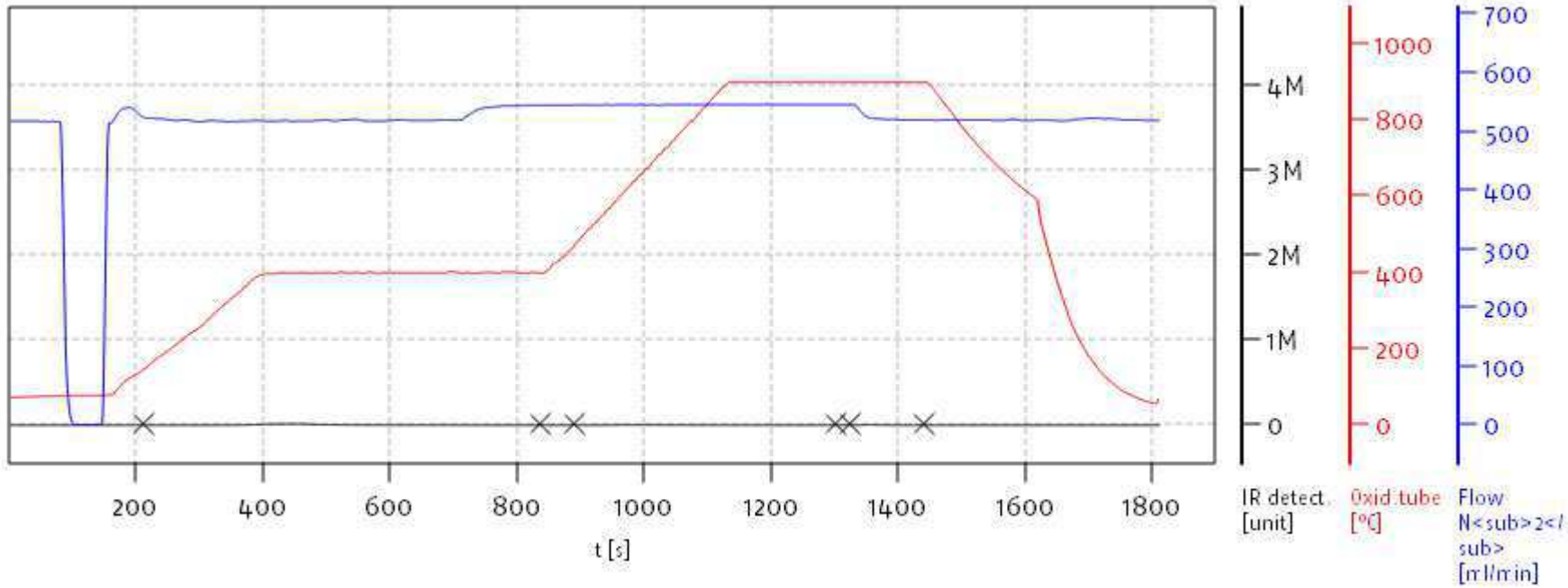
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
203	25	22L0199-15	561.20		CARBON	12/20/2022 6:26 PM	bl	0.011	69 068	0.011	0.000	6 061	16 717	0.011	0.000	0.9312	1.0000



Name:

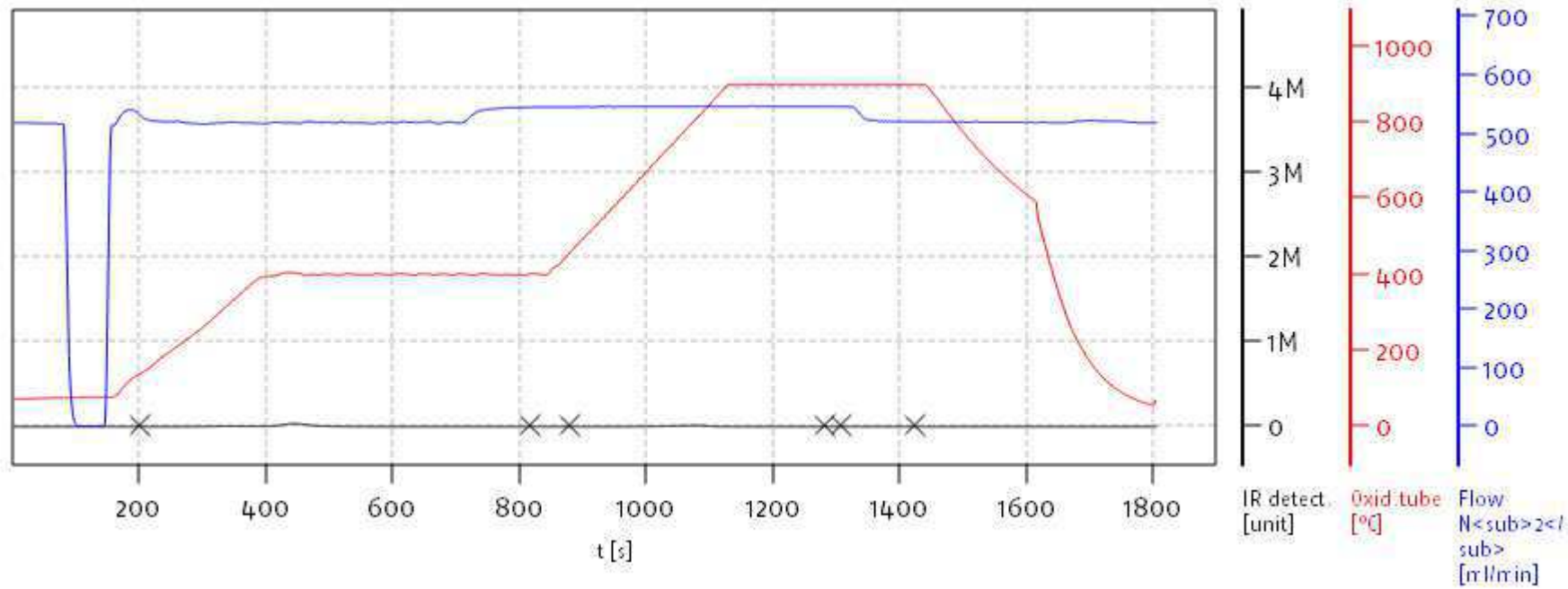
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
204	26	BKL0464-MRL1	507.50		CARBON	12/20/2022 6:57 PM	bl,C2u	0.017	87 864	0.020	0.000	287	36 173	0.017	0.003	0.9312	1.0000



Name:

Access: soliTOC superuser

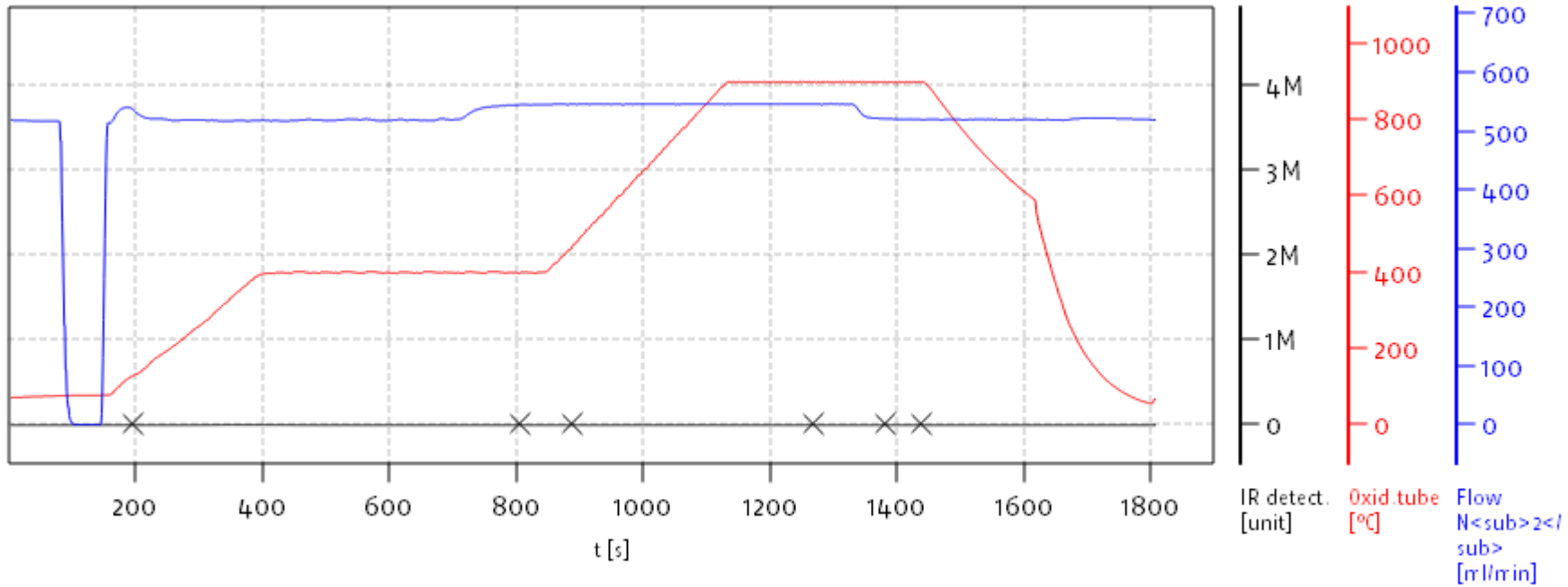
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
205	27	BKL0464-BLK1	507.10		CARBON	12/20/2022 7:27 PM	bl,C3u,C2u	0.000	15 420	0.000	0.000	102	1 881	0.000	0.000	0.9312	1.0000



Name:

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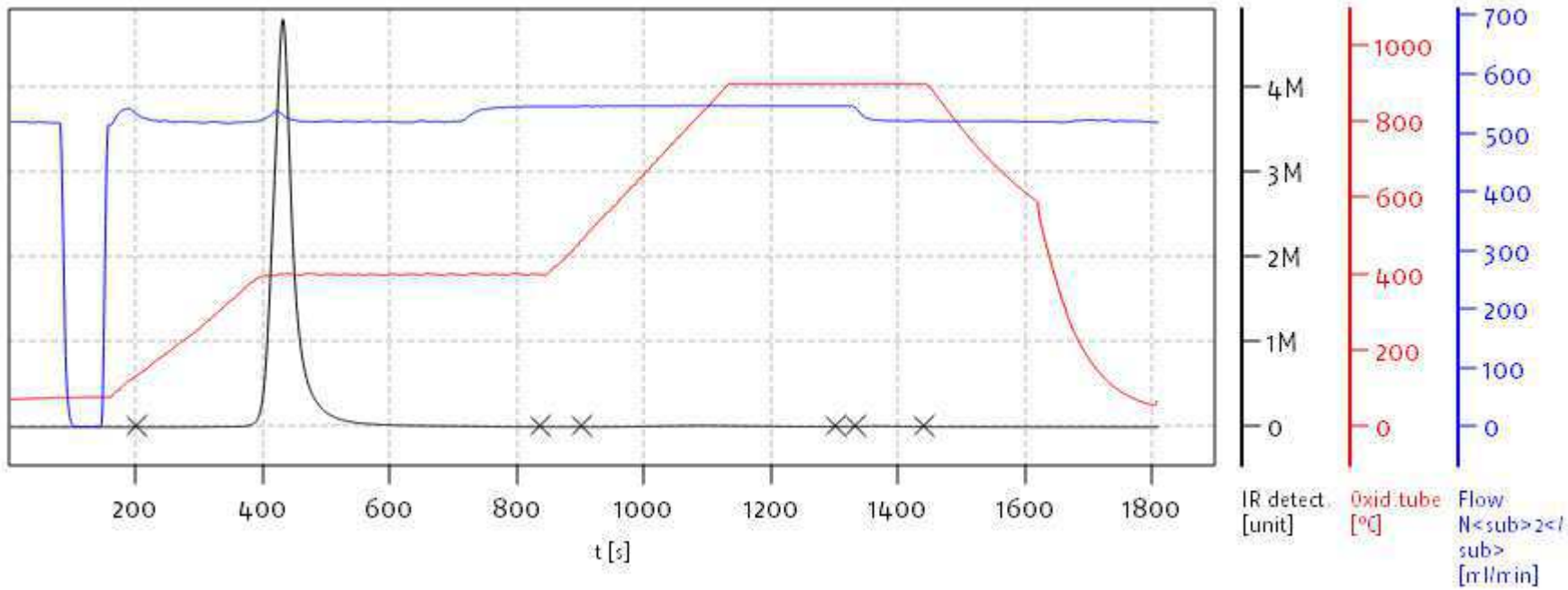
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
206	28	BKL0464-BS1	22.50		CARBON	12/20/2022 7:58 PM	bl	43.899	6 878 350	44.623	0.001	26 682	131 759	43.898	0.724	0.9312	1.0000



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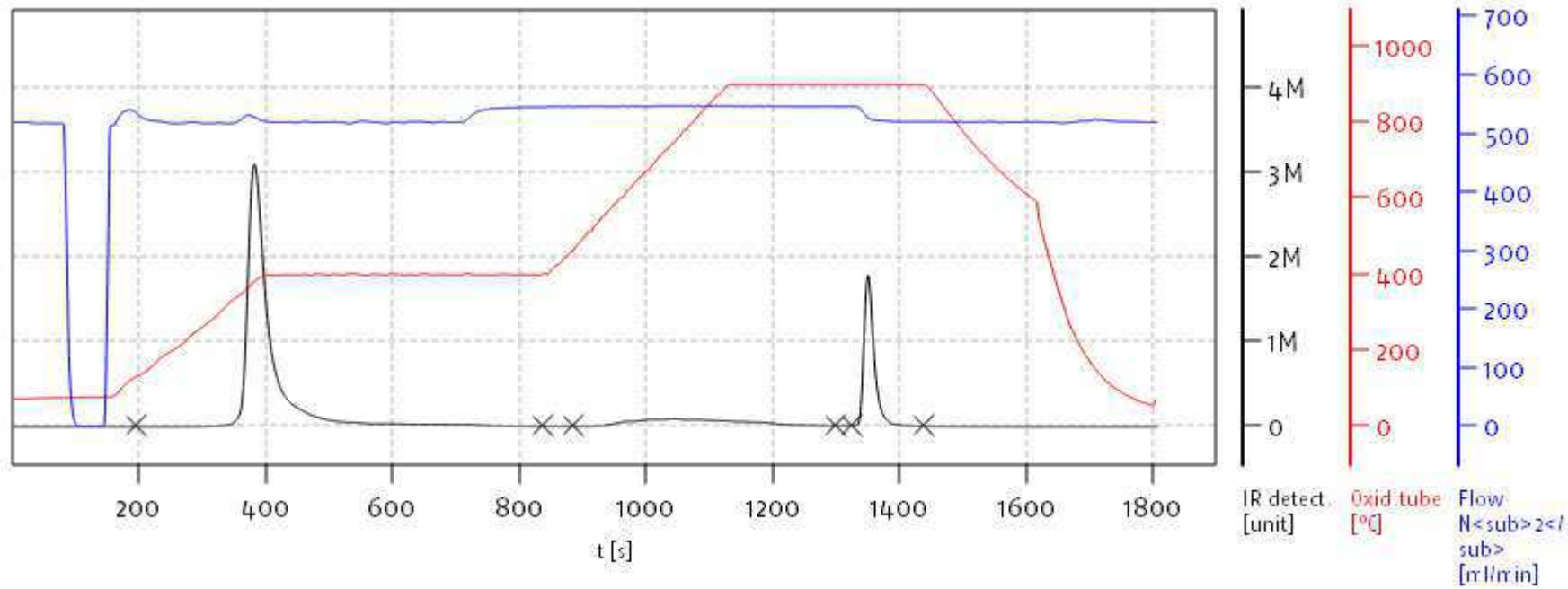
Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
207	29	BKL0464-SRM1	290.00		CARBON	12/20/2022 8:28 PM	bl	2.958	4 645 980	3.339	0.662	1 266 560	739 070	2.296	0.380	0.9312	1.0000



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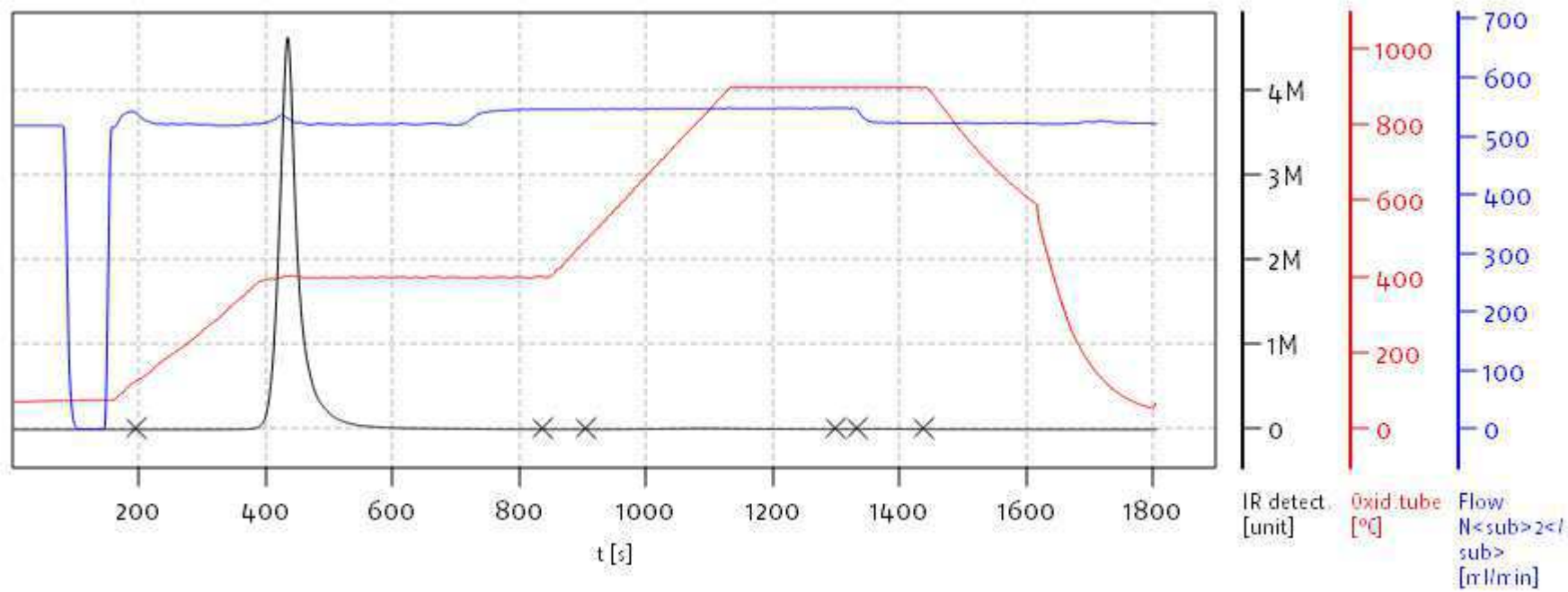
Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
208	30	SKL0217-CCVH	20.50		CARBON	12/20/2022 8:59 PM	bl	43.865	6 264 510	44.389	0.000	22 052	95 947	43.865	0.524	0.9312	1.0000



Name:

Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

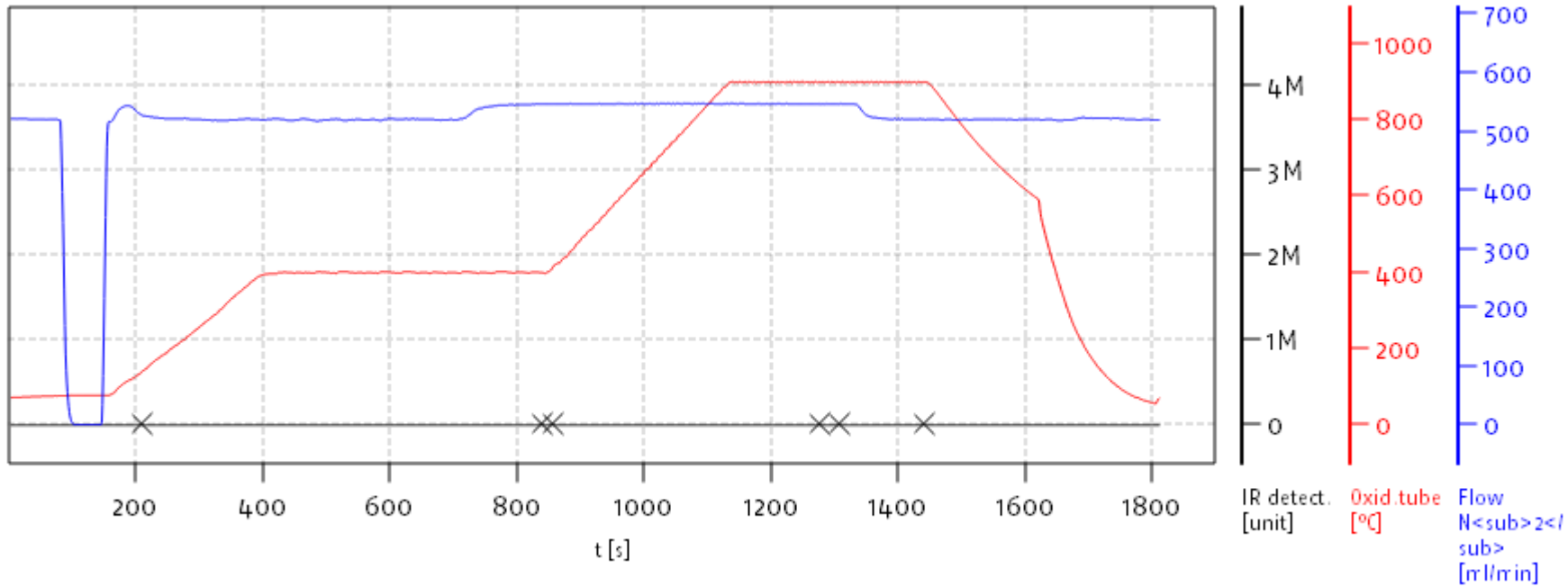
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 121622 DOE from: 12/21/2022 7:31 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
209	31	SKL0217-CCBH	517.20		CARBON	12/20/2022 9:29 PM	bl,C2u	0.000	3 226	0.000	0.000	549	0	0.000	0.000	0.9312	1.0000



Name:

Access: soliTOC superuser

Date: Wed Dec 21 09:58:21 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0336	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Check	SKL0336-CCVE	CubeData_01032023@1005-583	NA	01/01/23 05:30
Calibration Blank	SKL0336-CCBE	CubeData_01032023@1005-589	NA	01/01/23 06:00
Calibration Check	SKL0336-CCVF	CubeData_01032023@1005-061	NA	01/01/23 11:35
Calibration Blank	SKL0336-CCBF	CubeData_01032023@1005-071	NA	01/01/23 12:05
Calibration Check	SKL0336-CCVG	CubeData_01032023@1005-136	NA	01/01/23 15:07
Calibration Blank	SKL0336-CCBG	CubeData_01032023@1005-147	NA	01/01/23 15:38
Initial Cal Check	SKL0336-ICV1	CubeData_01032023@1005-040	NA	12/28/22 15:57
Initial Cal Blank	SKL0336-ICB1	CubeData_01032023@1005-047	NA	12/28/22 16:28
Calibration Check	SKL0336-CCV1	CubeData_01032023@1005-160	NA	12/28/22 22:02
Calibration Blank	SKL0336-CCB1	CubeData_01032023@1005-166	NA	12/28/22 22:33
Calibration Check	SKL0336-CCV2	CubeData_01032023@1005-237	NA	12/29/22 04:09
Calibration Blank	SKL0336-CCB2	CubeData_01032023@1005-244	NA	12/29/22 04:39
Calibration Check	SKL0336-CCV3	CubeData_01032023@1005-314	NA	12/29/22 10:16
Calibration Blank	SKL0336-CCB3	CubeData_01032023@1005-321	NA	12/29/22 10:47
Calibration Check	SKL0336-CCV4	CubeData_01032023@1005-386	NA	12/29/22 16:24
Calibration Blank	SKL0336-CCB4	CubeData_01032023@1005-392	NA	12/29/22 16:54
Calibration Check	SKL0336-CCV5	CubeData_01032023@1005-458	NA	12/29/22 22:30
Calibration Blank	SKL0336-CCB5	CubeData_01032023@1005-466	NA	12/29/22 23:01
Calibration Check	SKL0336-CCV6	CubeData_01032023@1005-536	NA	12/30/22 04:38
Calibration Blank	SKL0336-CCB6	CubeData_01032023@1005-542	NA	12/30/22 05:09
LDW22-SC784M	22L0137-17RE1	CubeData_01032023@1005-596	Solid	12/30/22 09:14
Calibration Check	SKL0336-CCV7	CubeData_01032023@1005-615	NA	12/30/22 10:45
Calibration Blank	SKL0336-CCB7	CubeData_01032023@1005-619	NA	12/30/22 11:16
LDW22-SC776D	BKL0385-MS2	CubeData_01032023@1005-018	Solid	12/30/22 12:17
LDW22-SC784L	BKL0300-MS2	CubeData_01032023@1005-030	Solid	12/30/22 12:48
Calibration Check	SKL0336-CCV8	CubeData_01032023@1005-111	NA	12/30/22 16:52
Calibration Blank	SKL0336-CCB8	CubeData_01032023@1005-124	NA	12/30/22 17:23
Calibration Check	SKL0336-CCV9	CubeData_01032023@1005-205	NA	12/30/22 22:58
Calibration Blank	SKL0336-CCB9	CubeData_01032023@1005-210	NA	12/30/22 23:29

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

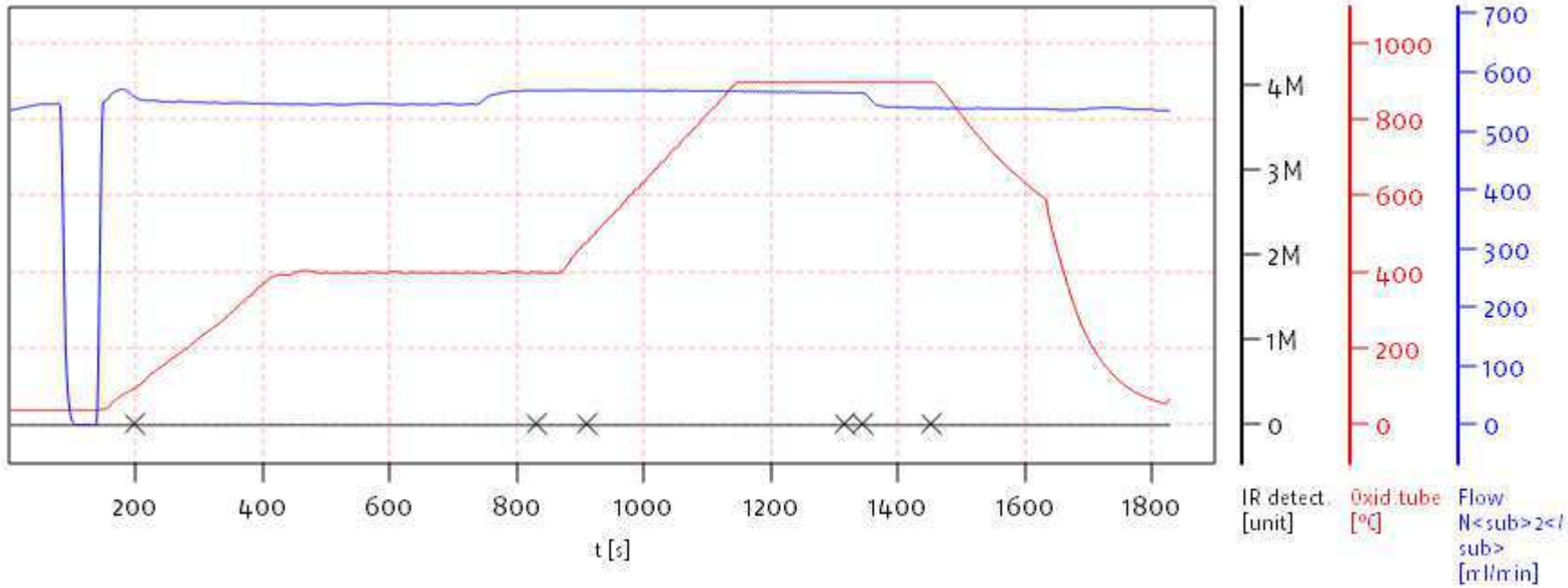
Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SKL0336

SDG: 22L0137
Project: AOC4 UR Phase 3
Instrument: TOC Cube
Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Check	SKL0336-CCVA	CubeData_01032023@1005-283	NA	12/31/22 05:04
Calibration Blank	SKL0336-CCBA	CubeData_01032023@1005-288	NA	12/31/22 05:35
Calibration Check	SKL0336-CCVB	CubeData_01032023@1005-358	NA	12/31/22 11:11
Calibration Blank	SKL0336-CCBB	CubeData_01032023@1005-364	NA	12/31/22 11:41
Calibration Check	SKL0336-CCVC	CubeData_01032023@1005-425	NA	12/31/22 17:17
Calibration Blank	SKL0336-CCBC	CubeData_01032023@1005-431	NA	12/31/22 17:48
Calibration Check	SKL0336-CCVD	CubeData_01032023@1005-504	NA	12/31/22 23:23
Calibration Blank	SKL0336-CCBD	CubeData_01032023@1005-511	NA	12/31/22 23:53

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/28/2022 2:26 PM	bl	0.000	8 478	0.000	0.000	1 876	3 414	0.000	0.000	1.0000	1.0000



Name:

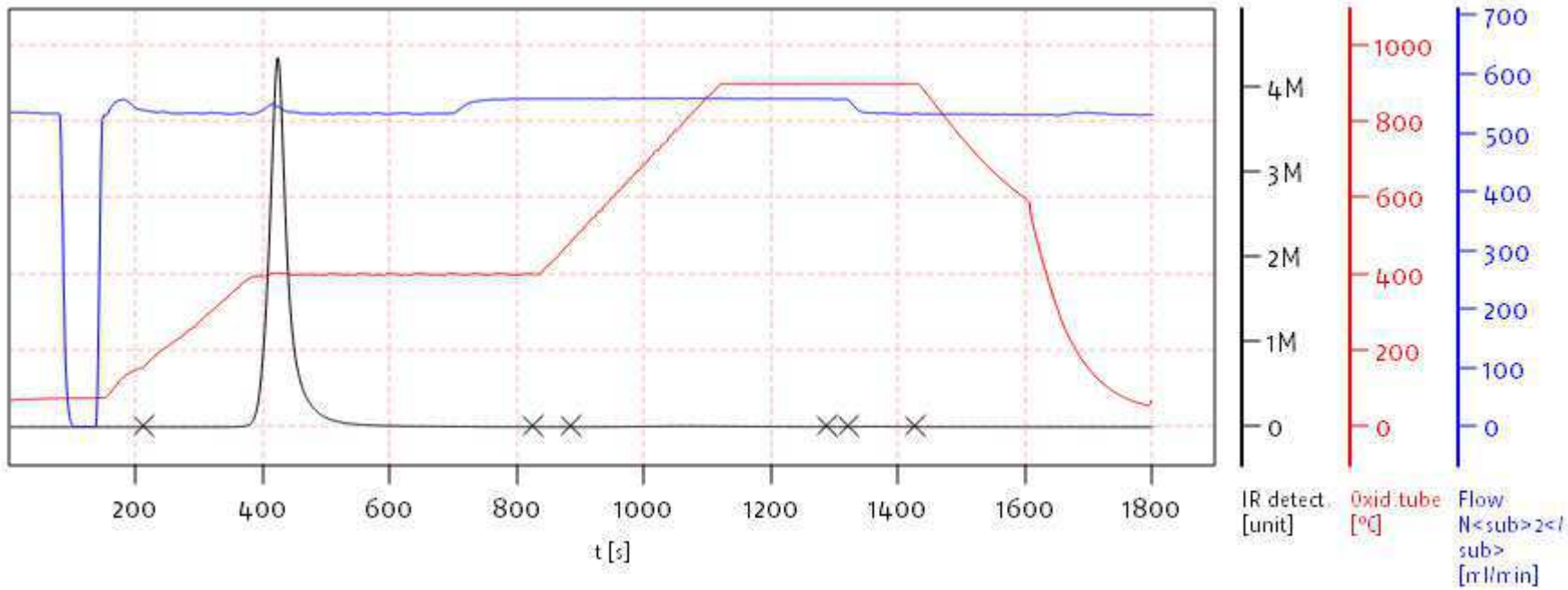
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	19.10		CARBON	12/28/2022 2:56 PM	bl	44.446	5 792 157	44.924	0.000	17 756	85 597	44.446	0.479	0.9511	1.0000



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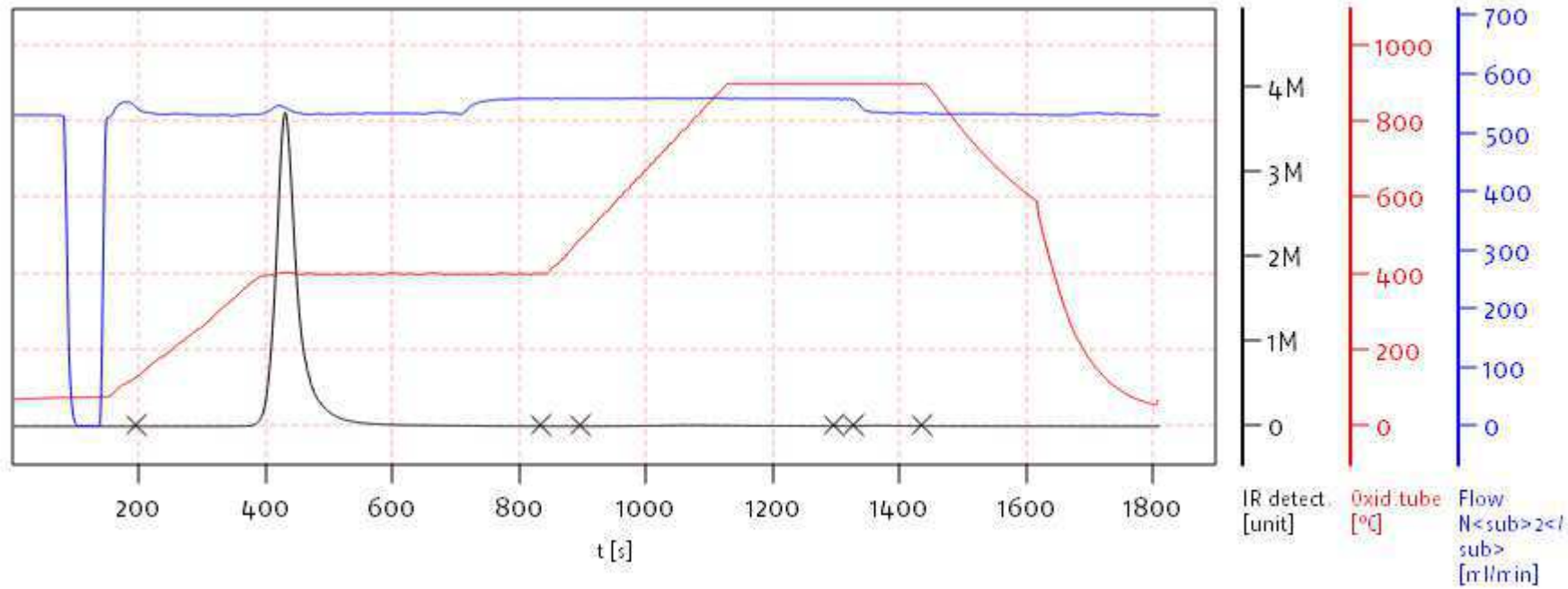
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	19.00		CARBON	12/28/2022 3:27 PM	bl	44.446	5 663 509	45.027	0.000	24 903	97 934	44.446	0.582	0.9677	1.0000



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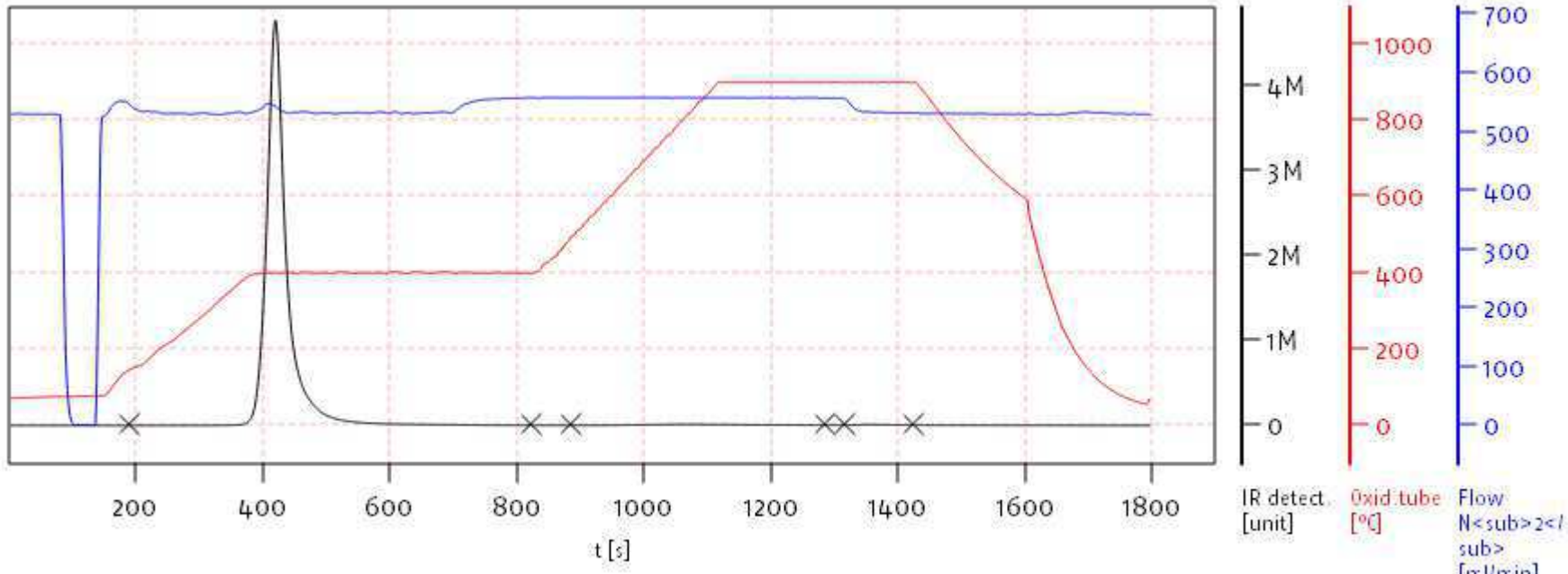
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0336-ICV1	21.60		CARBON	12/28/2022 3:57 PM	bl	44.523	6 501 448	45.056	0.001	26 669	100 954	44.522	0.533	0.9594	1.0000



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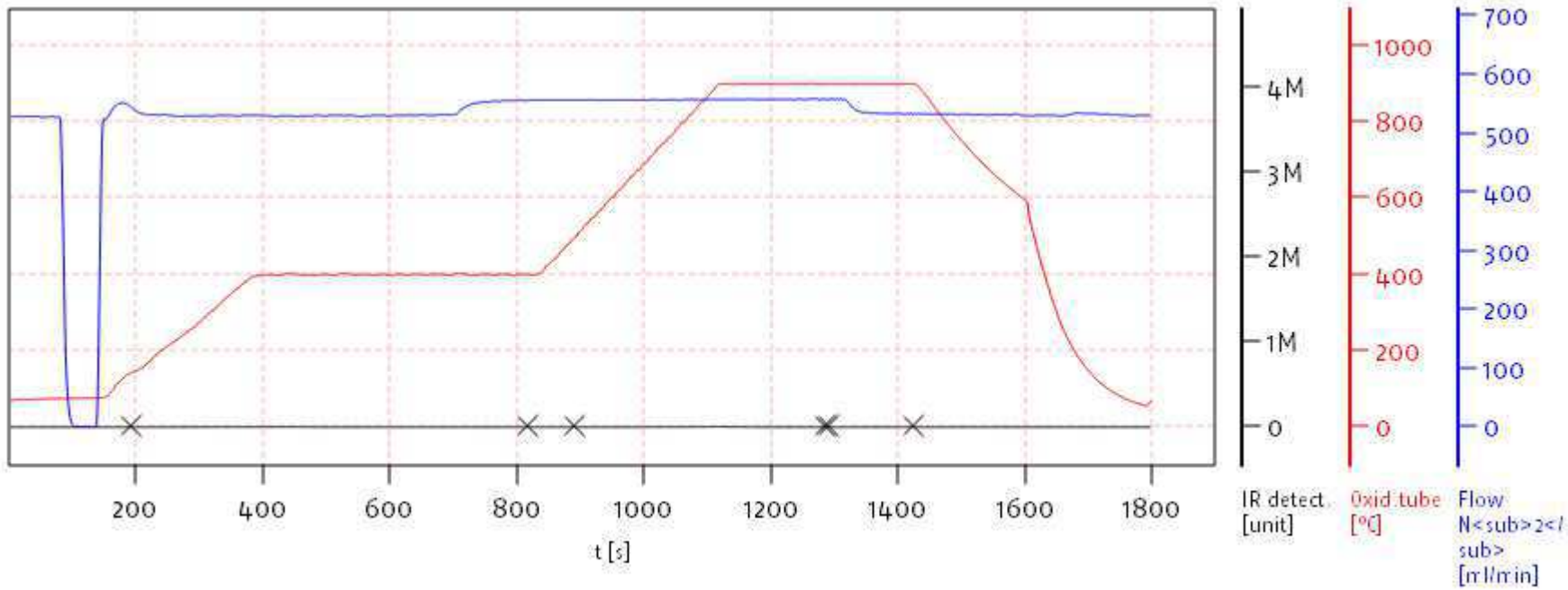
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0336-ICB1	538.20		CARBON	12/28/2022 4:28 PM	bl,C2u	0.000	16 336	0.000	0.000	992	16 586	0.000	0.000	0.9594	1.0000



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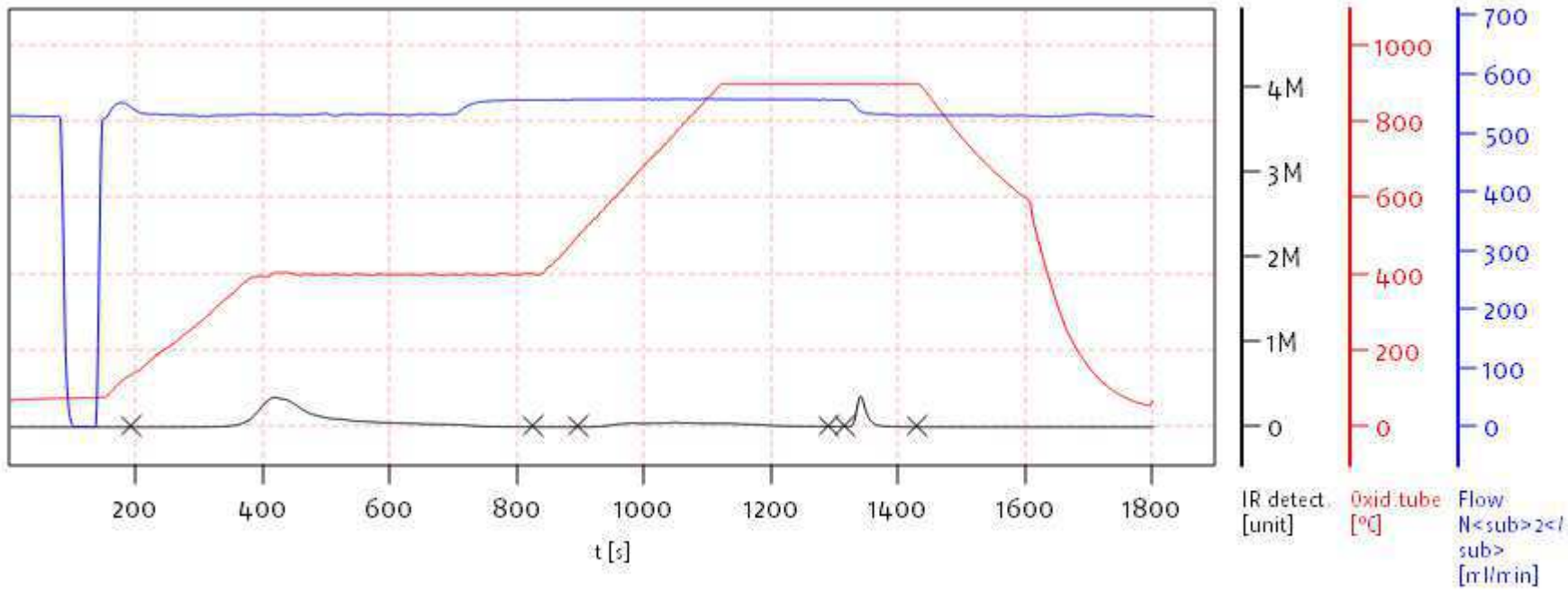
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	22L0307-51	513.50		CARBON	12/28/2022 4:58 PM	bl	0.517	1 576 030	0.639	0.068	253 460	433 029	0.448	0.123	0.9594	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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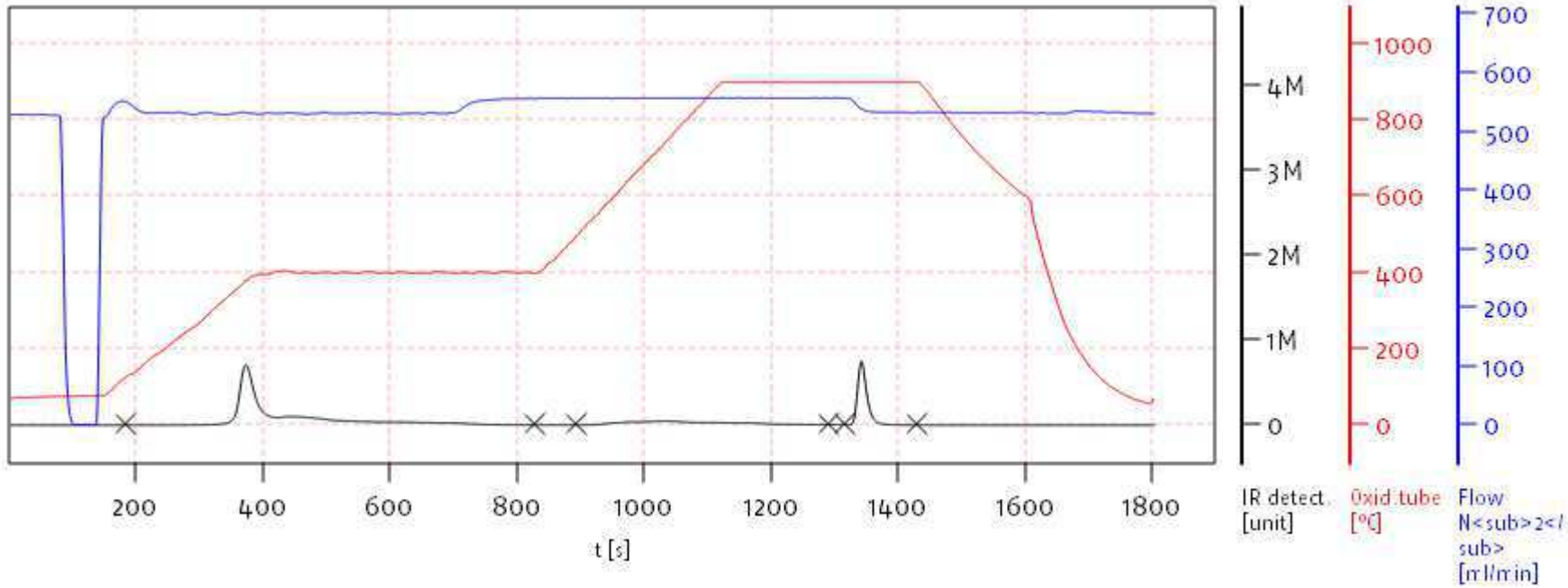
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	22L0307-52	206.60		CARBON	12/28/2022 5:28 PM	bl	1.340	1 411 575	1.583	0.344	485 920	350 334	0.996	0.243	0.9594	1.0000



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Balance: BAL3
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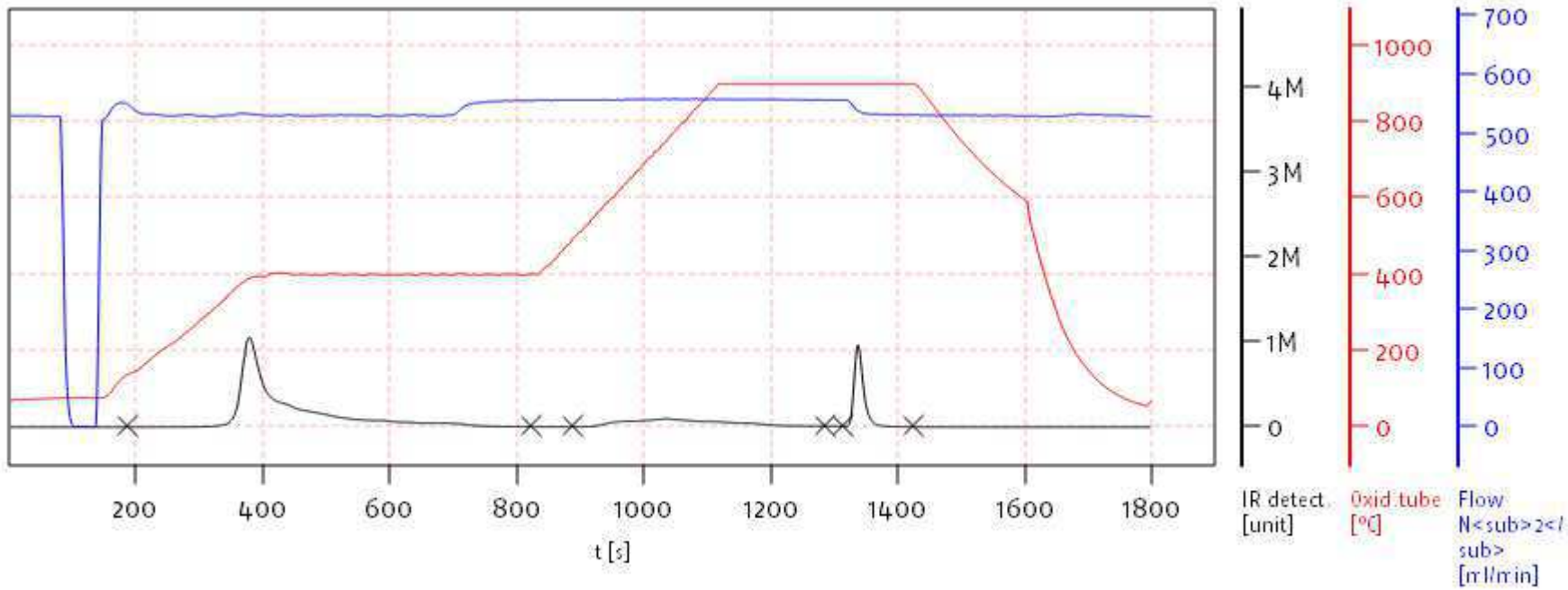
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	22L0307-53	510.80		CARBON	12/28/2022 5:59 PM	bl	0.990	2 796 609	1.195	0.184	634 878	703 238	0.805	0.205	0.9594	1.0000



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Balance: BAL3
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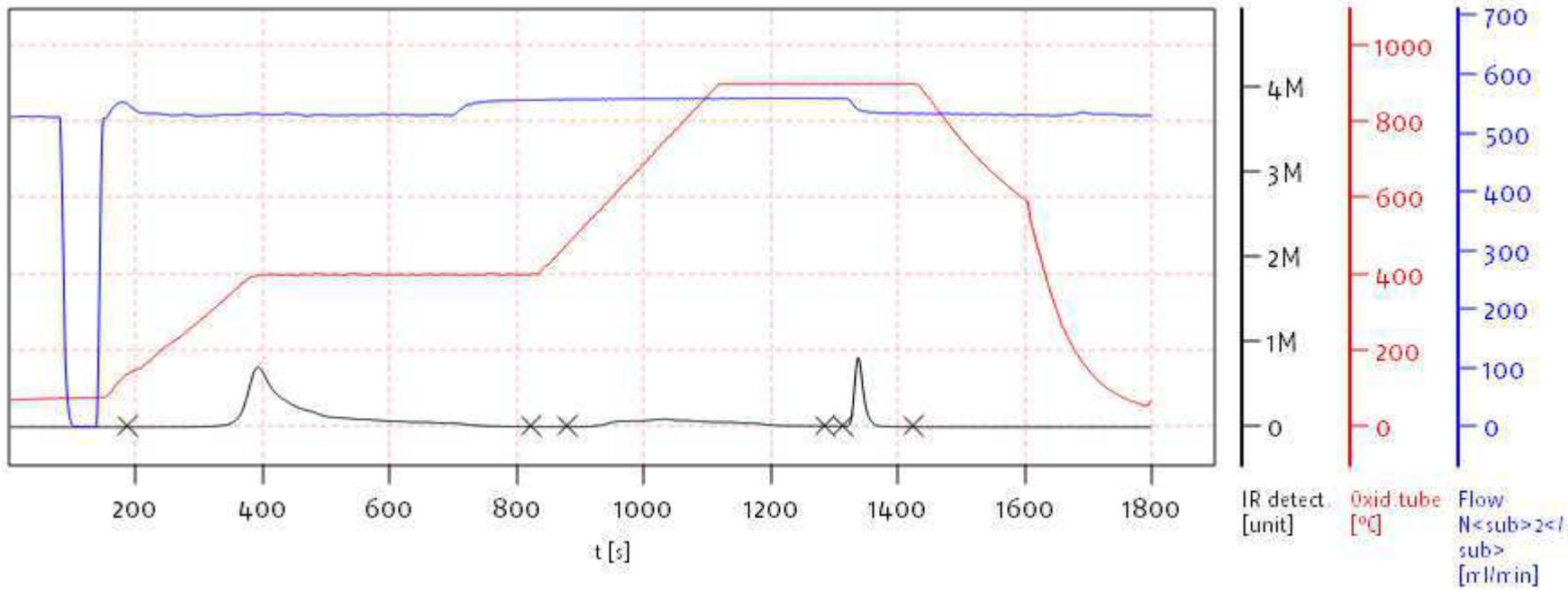
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	22L0307-54	511.80		CARBON	12/28/2022 6:29 PM	bl	0.862	2 476 874	1.065	0.151	524 802	699 052	0.711	0.203	0.9594	1.0000



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Balance: BAL3
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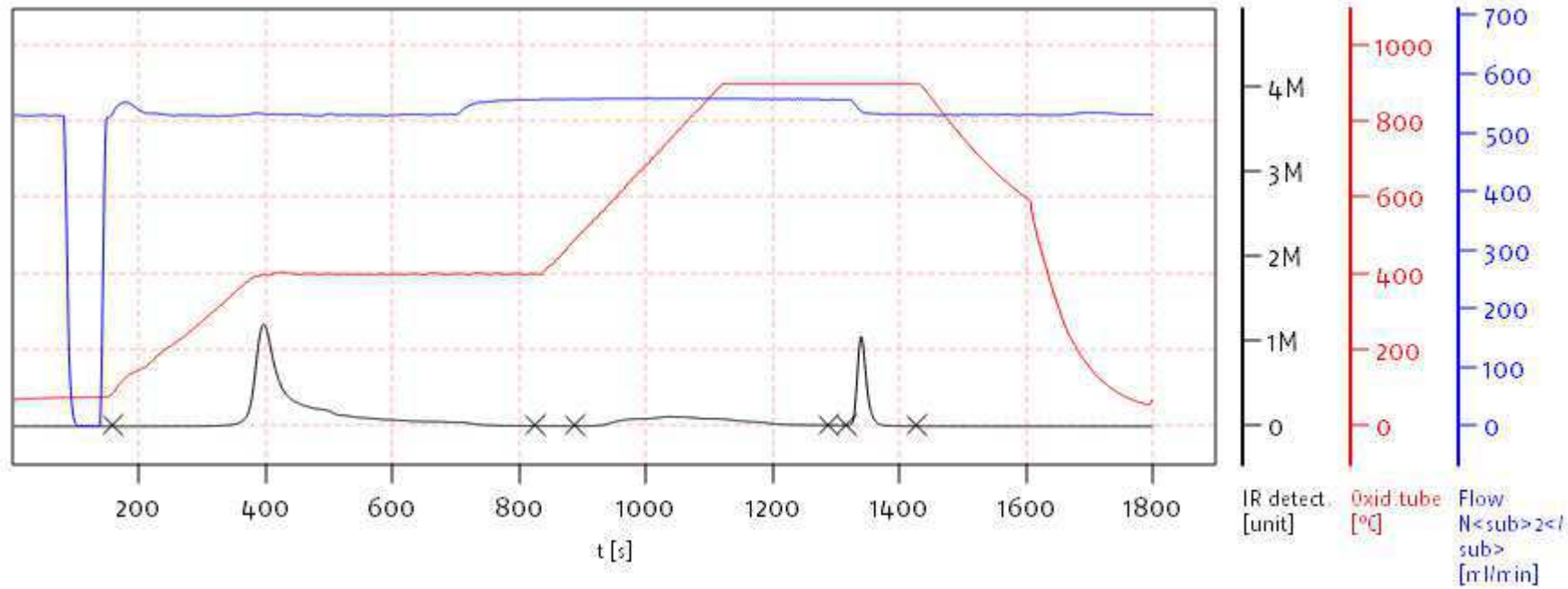
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22L0307-55	510.30		CARBON	12/28/2022 7:00 PM	bl	1.085	3 066 894	1.342	0.200	686 890	873 634	0.885	0.257	0.9594	1.0000



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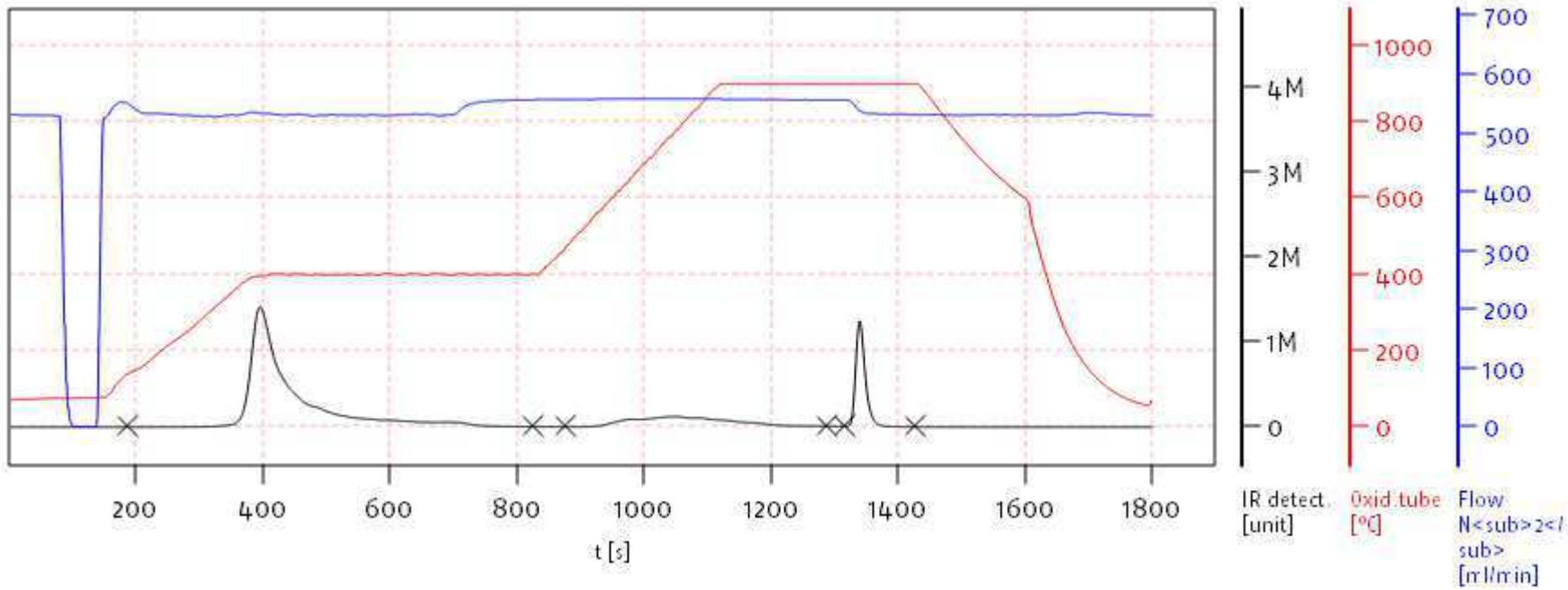
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	22L0307-56	504.50		CARBON	12/28/2022 7:30 PM	bl	1.356	3 794 415	1.620	0.246	829 669	888 171	1.109	0.264	0.9594	1.0000



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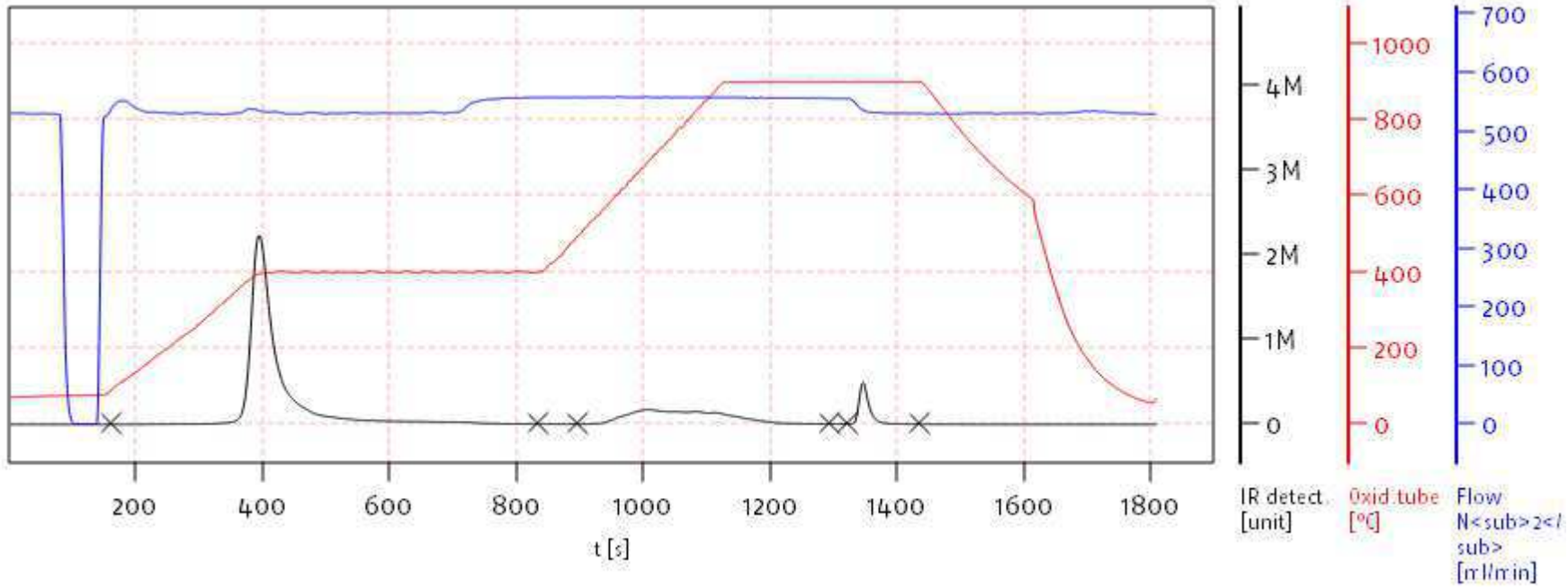
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	22L0307-57	502.40		CARBON	12/28/2022 8:01 PM	bl	1.268	3 984 731	1.625	0.098	343 337	1 185 420	1.170	0.357	0.9594	1.0000



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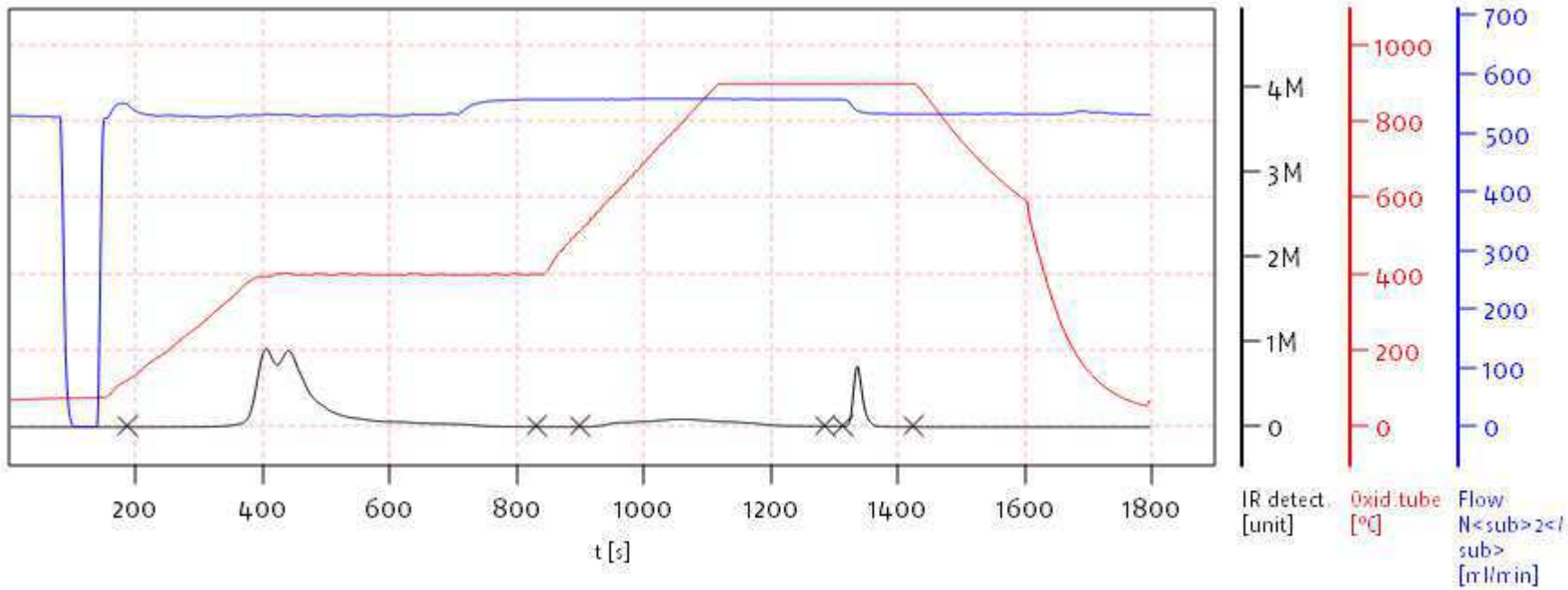
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22L0307-58	505.00		CARBON	12/28/2022 8:31 PM	bl	1.154	3 494 981	1.354	0.134	464 042	678 247	1.020	0.200	0.9594	1.0000



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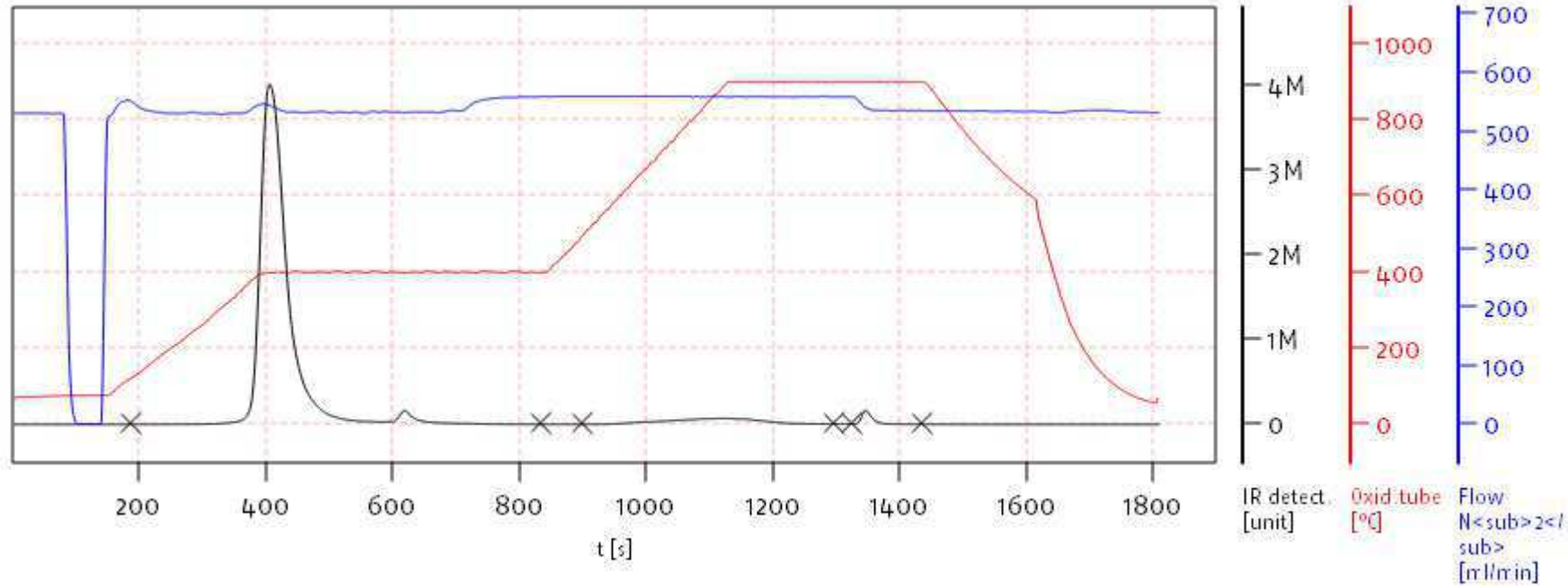
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22L0307-59	533.40		CARBON	12/28/2022 9:01 PM	bl	2.103	7 477 145	2.234	0.028	123 903	477 355	2.075	0.131	0.9594	1.0000



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Balance: BAL3
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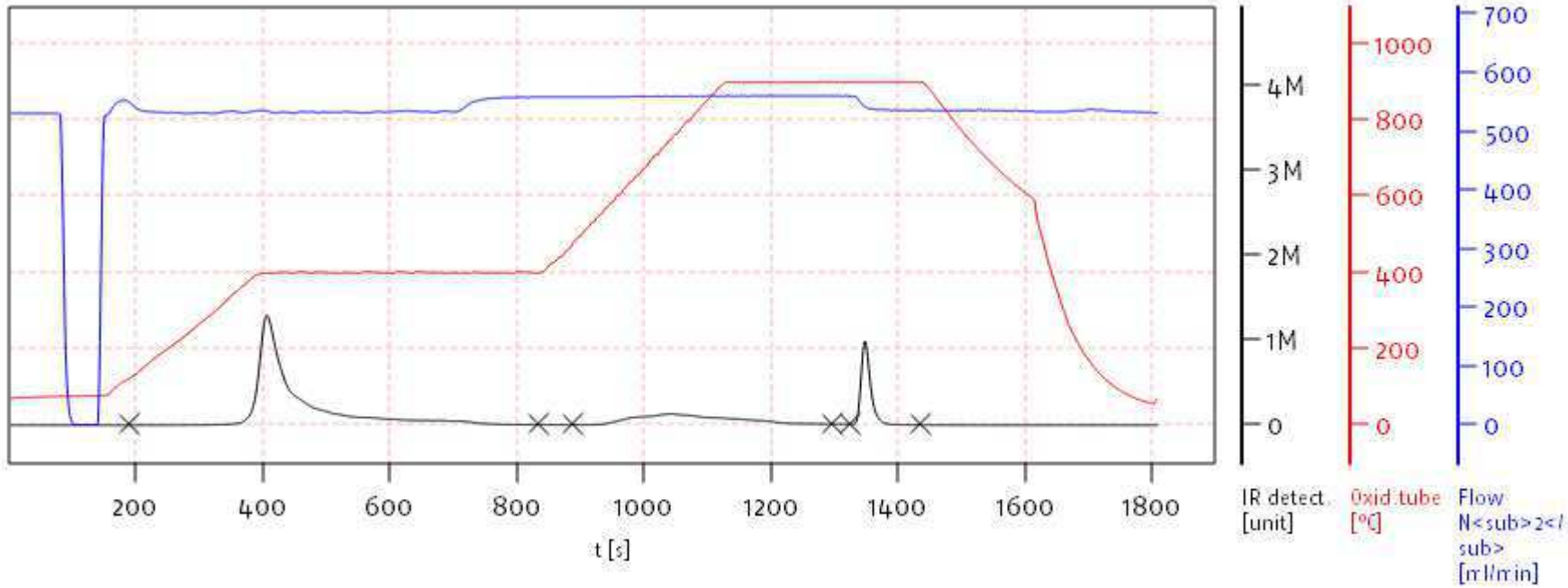
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0307-60	515.50		CARBON	12/28/2022 9:32 PM	bl	1.062	3 058 738	1.332	0.188	653 728	924 826	0.874	0.270	0.9594	1.0000



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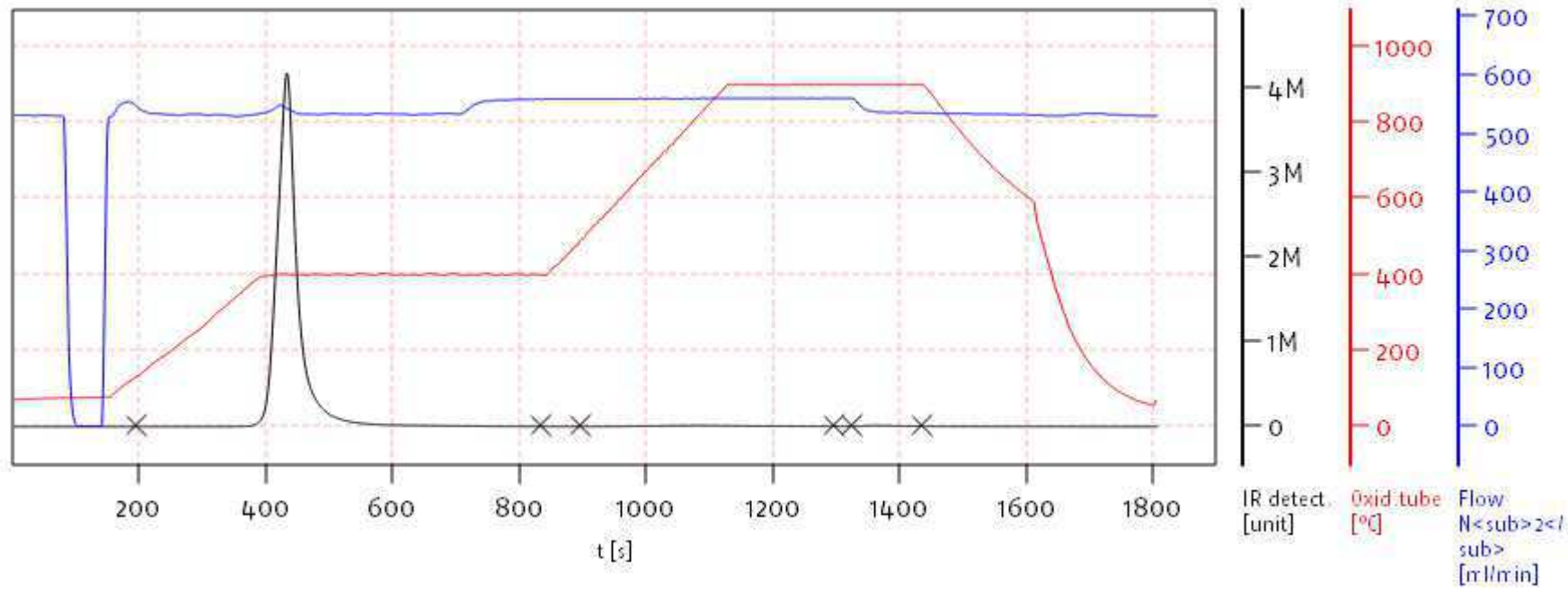
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0336-CCV1	19.70		CARBON	12/28/2022 10:02 PM	bl	44.126	5 874 829	44.681	0.035	30 950	97 177	44.092	0.555	0.9594	1.0000



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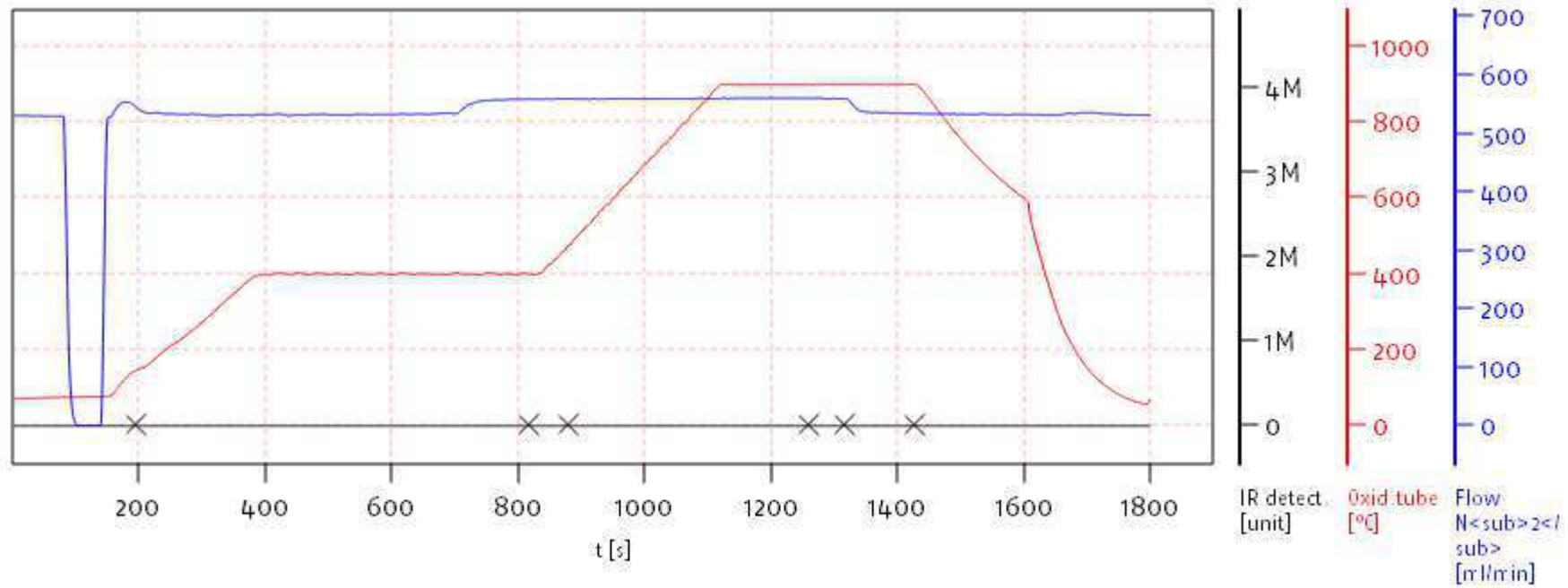
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0336-CCB1	512.00		CARBON	12/28/2022 10:33 PM	bl,C3u,C2u	0.000	4 468	0.000	0.000	710	713	0.000	0.000	0.9594	1.0000



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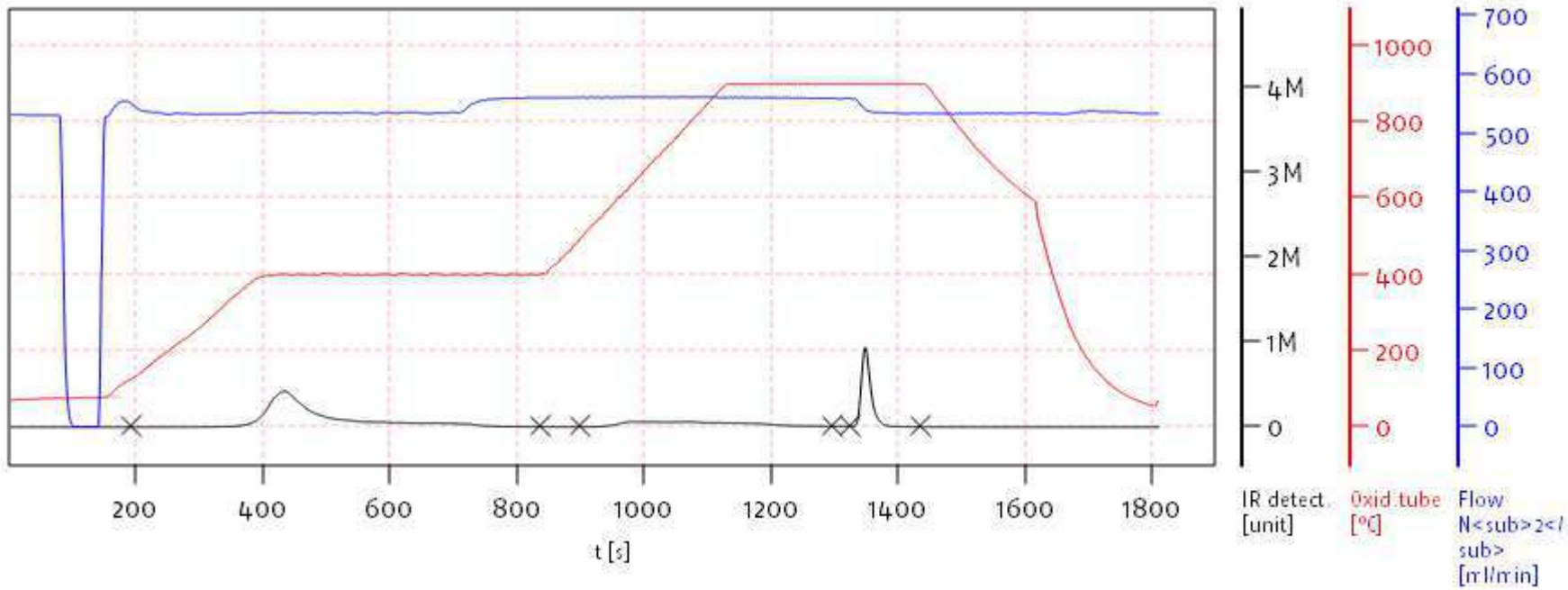
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	22L0307-61	531.80		CARBON	12/28/2022 11:03 PM	bl	0.626	1 642 239	0.780	0.174	625 649	555 991	0.451	0.154	0.9594	1.0000



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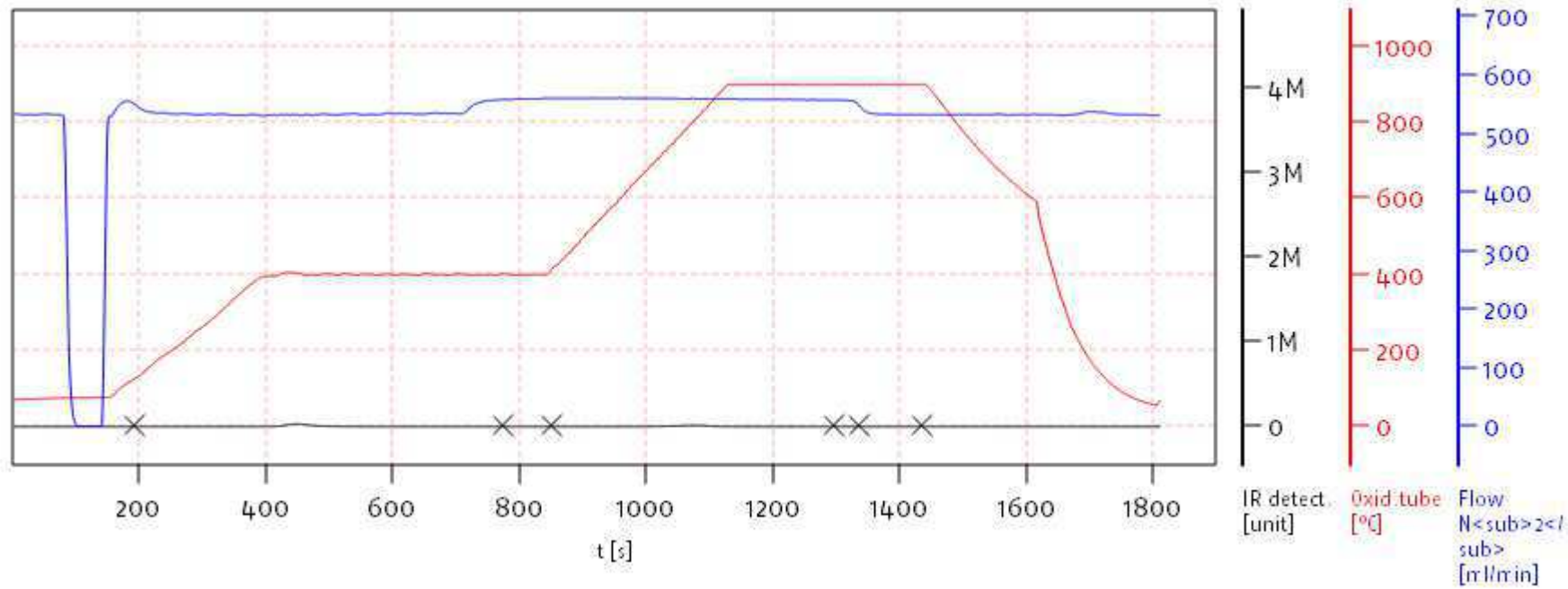
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	BKL0587-MRL1	510.20		CARBON	12/28/2022 11:34 PM	bl,C2u	0.010	60 063	0.013	0.000	430	35 567	0.010	0.003	0.9594	1.0000



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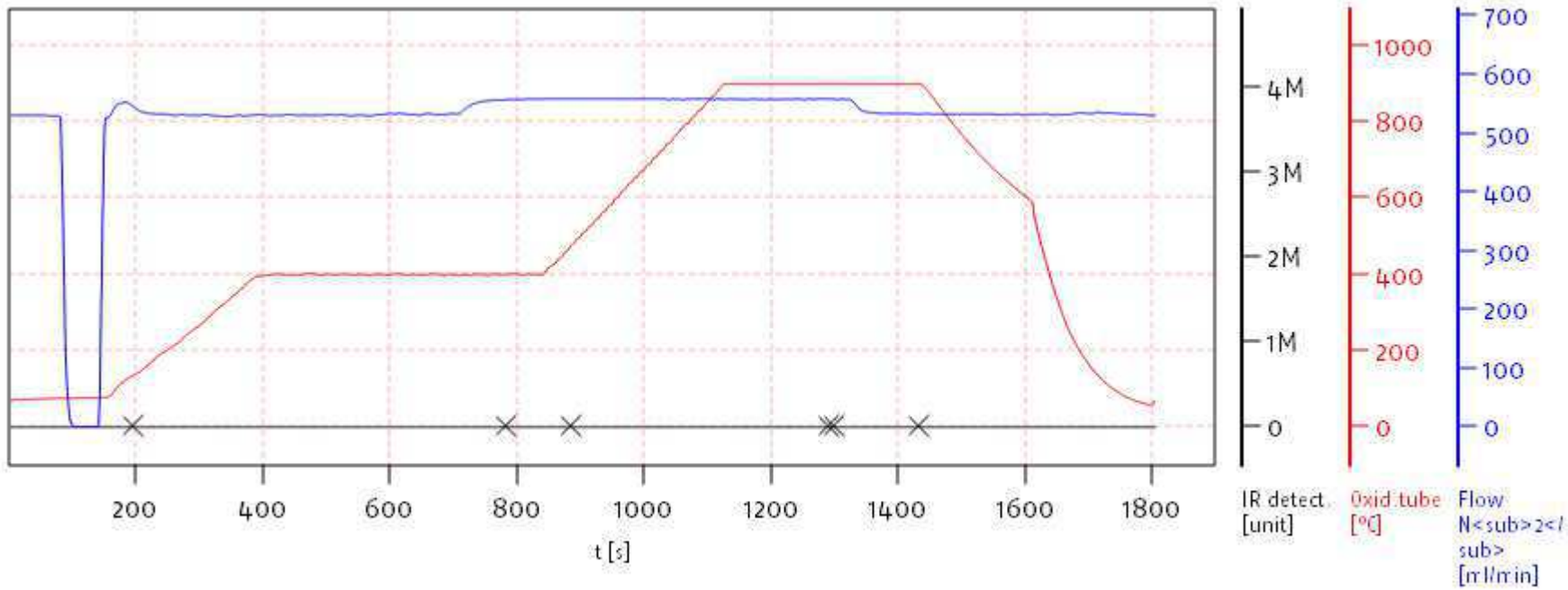
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	BKL0587-BLK1	512.80		CARBON	12/29/2022 12:04 AM	bl,C3u,C2u	0.000	5 080	0.000	0.000	641	2 237	0.000	0.000	0.9594	1.0000



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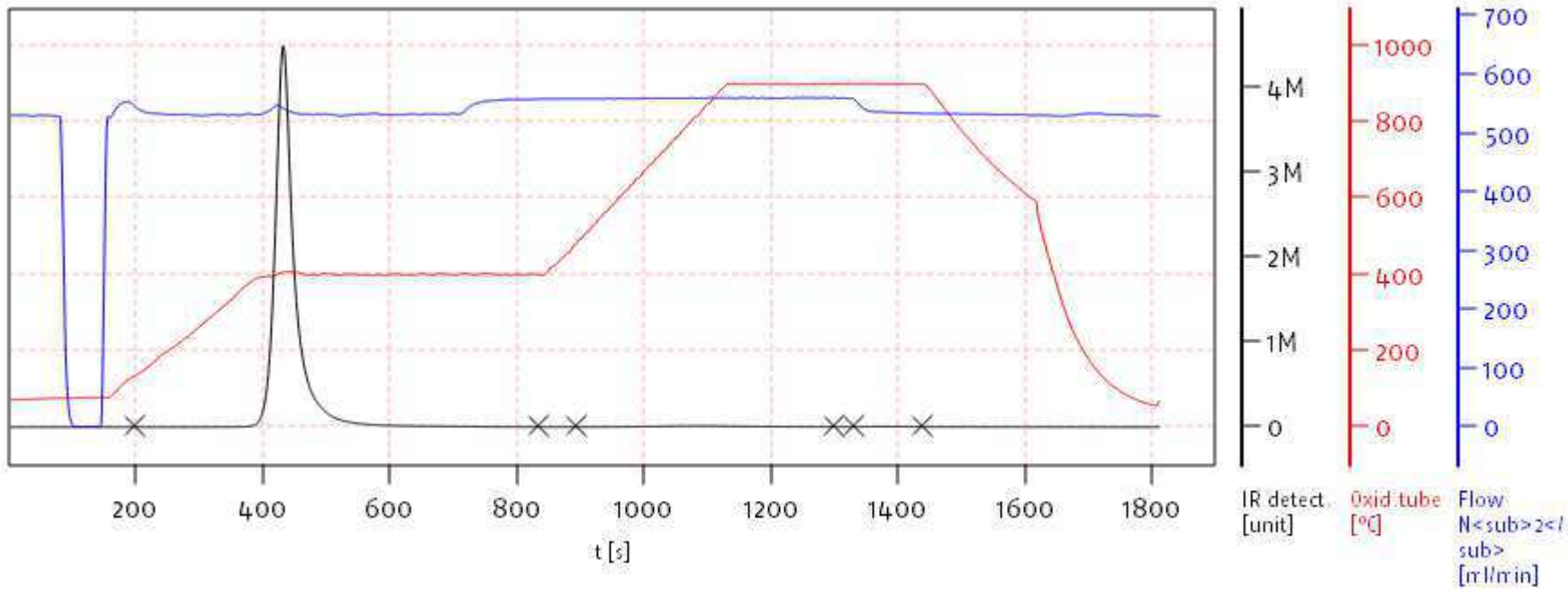
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	BKL0587-BS1	19.90		CARBON	12/29/2022 12:35 AM	bl	44.656	6 009 876	45.212	0.000	20 894	98 026	44.656	0.556	0.9594	1.0000



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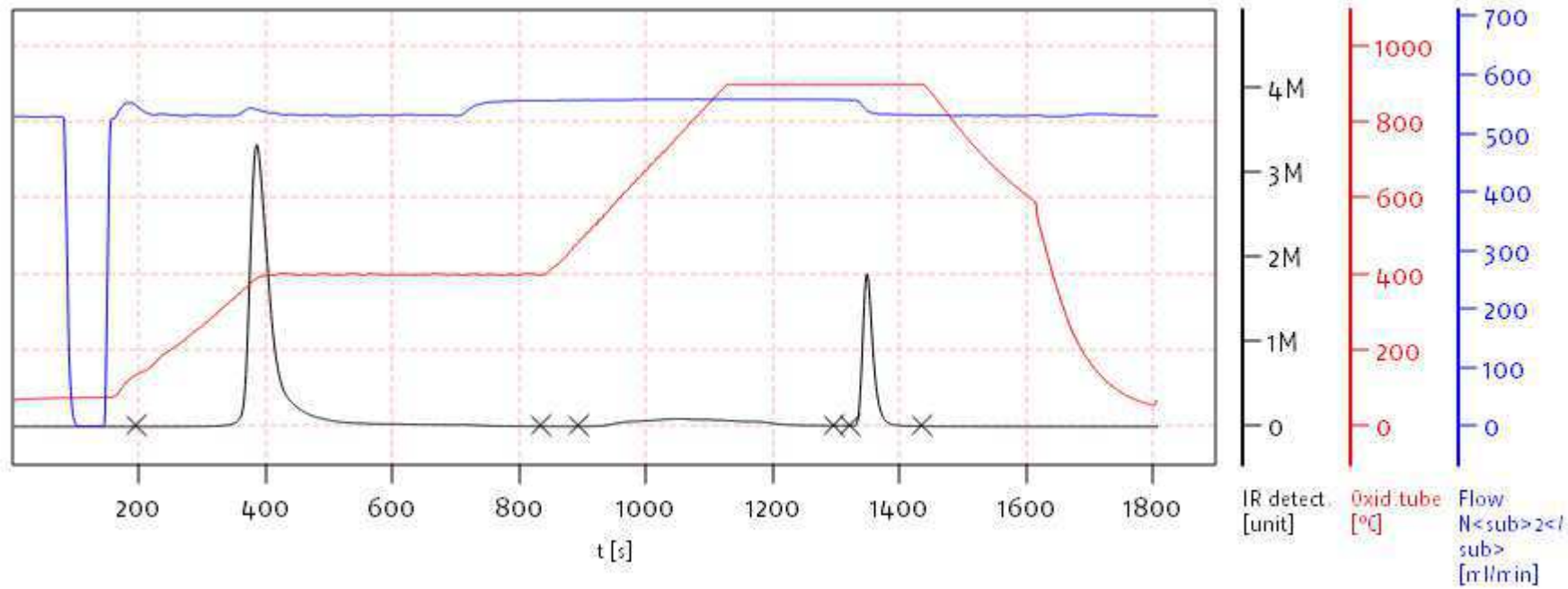
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	BKL0587-SRM1	312.00		CARBON	12/29/2022 1:06 AM	bl	3.016	5 024 035	3.374	0.637	1 309 591	748 752	2.379	0.358	0.9594	1.0000



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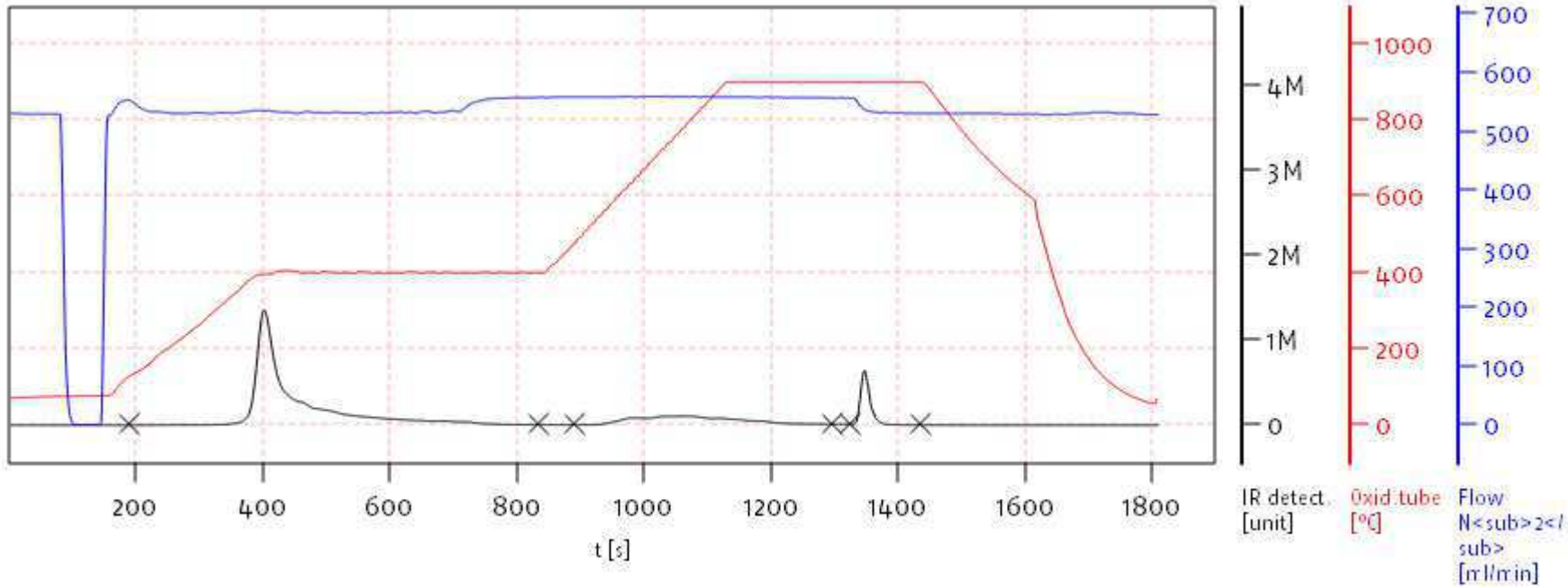
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	22L0307-62	539.60		CARBON	12/29/2022 1:36 AM	bl	0.945	3 045 637	1.173	0.114	424 214	821 013	0.831	0.228	0.9594	1.0000



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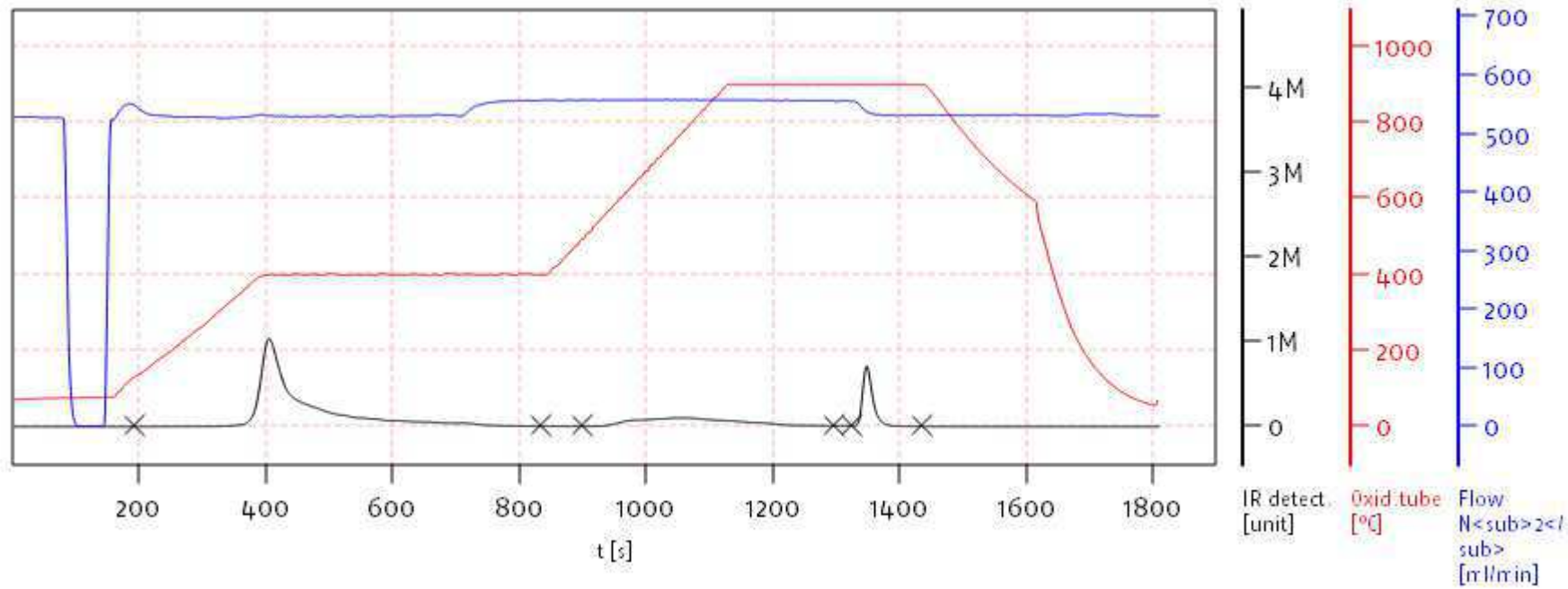
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	BKL0587-DUP1	504.10		CARBON	12/29/2022 2:07 AM	bl	0.955	2 765 977	1.185	0.148	508 583	774 381	0.807	0.230	0.9594	1.0000



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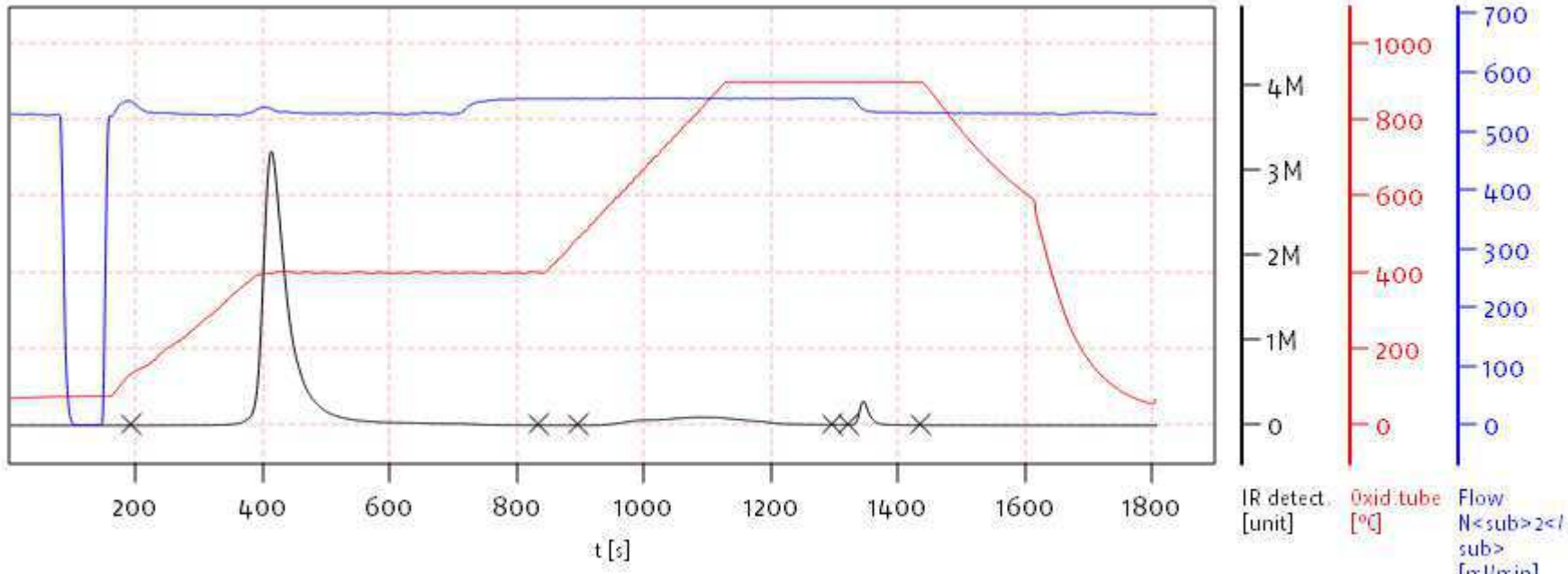
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	BKL0587-MS1	523.60	0.0083	CARBON	12/29/2022 2:37 AM	bl	1.680	5 761 308	1.879	0.053	206 236	698 891	1.627	0.199	0.9594	1.0000



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Serial No: 0300.181017
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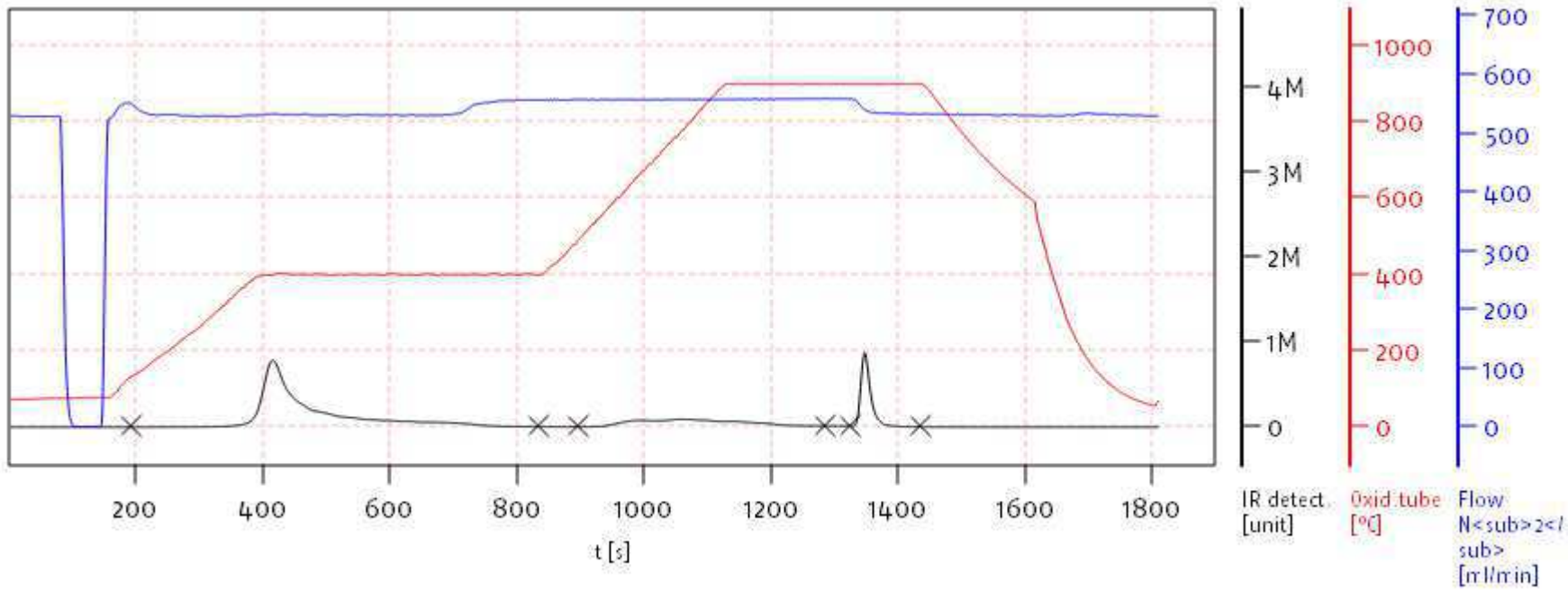
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	22L0307-63	514.30		CARBON	12/29/2022 3:08 AM	bl	0.861	2 410 205	1.074	0.173	600 570	733 979	0.688	0.213	0.9594	1.0000



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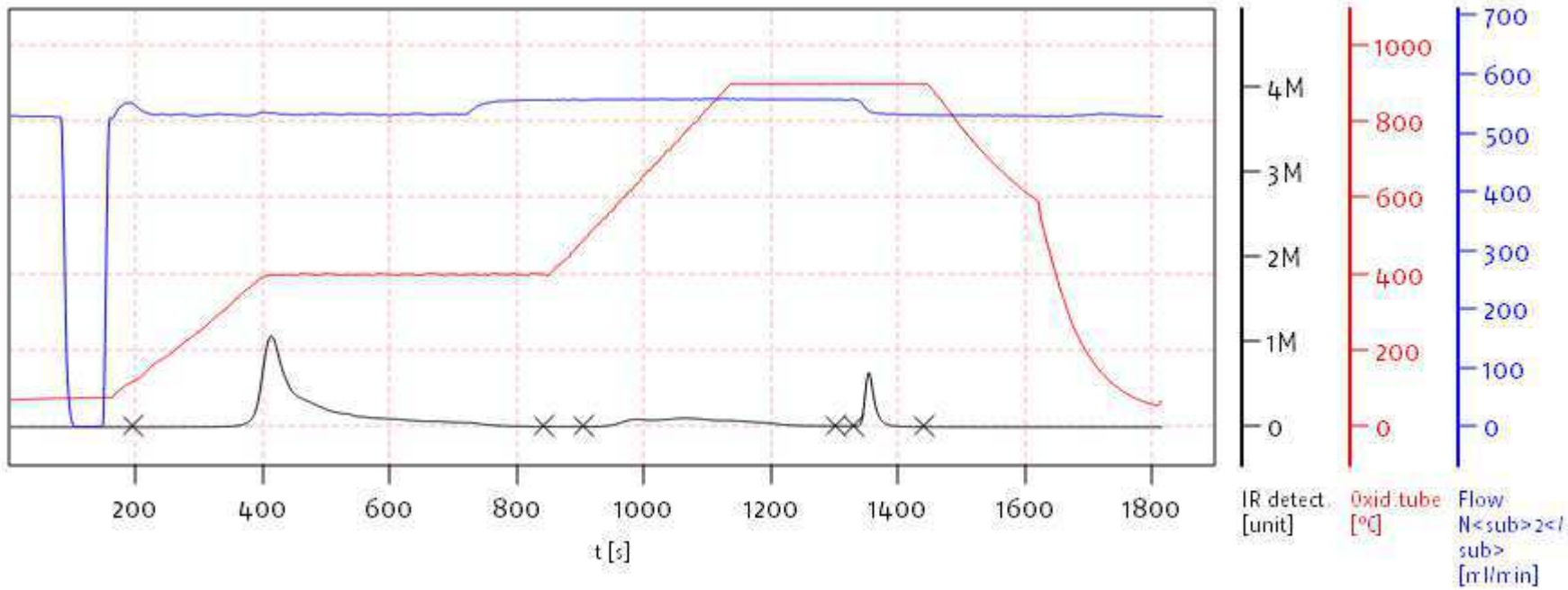
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0307-64	556.30		CARBON	12/29/2022 3:38 AM	bl	0.948	3 143 742	1.171	0.115	441 163	829 711	0.832	0.224	0.9594	1.0000



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Balance: BAL3
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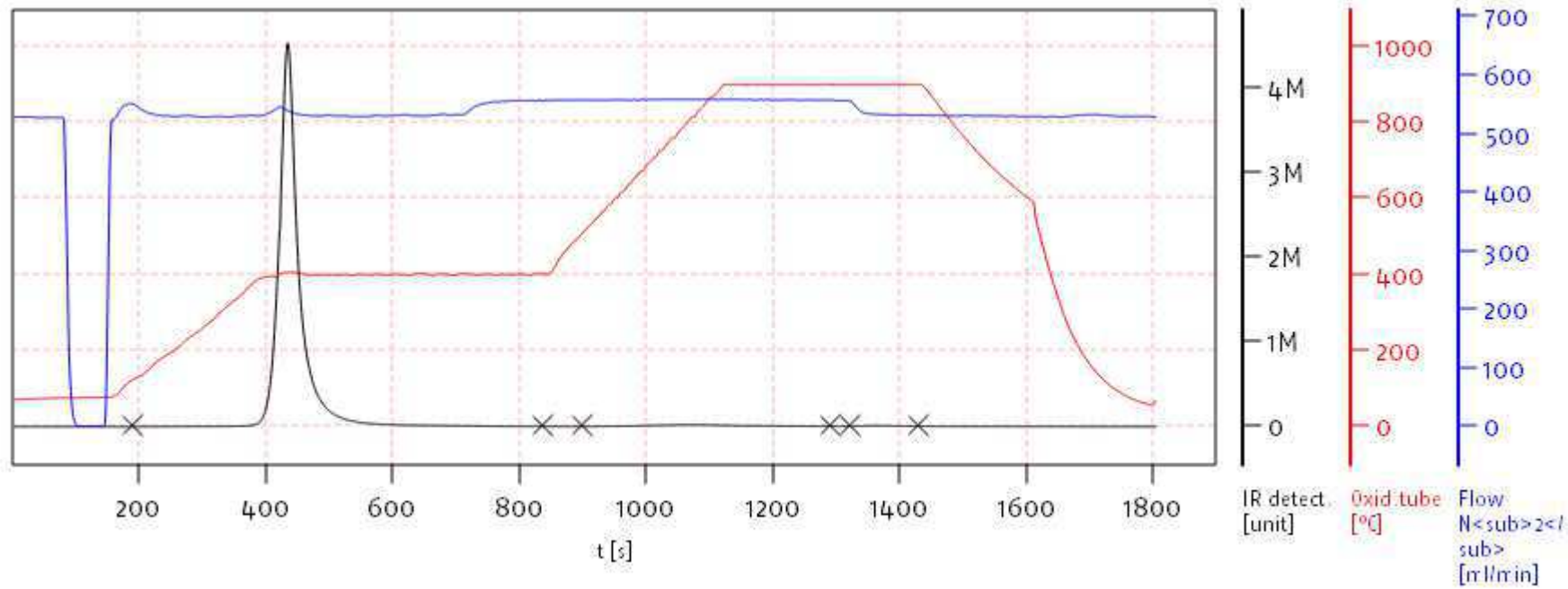
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0336-CCV2	20.90		CARBON	12/29/2022 4:09 AM	bl	44.122	6 230 850	45.047	0.032	30 812	151 468	44.090	0.925	0.9594	1.0000



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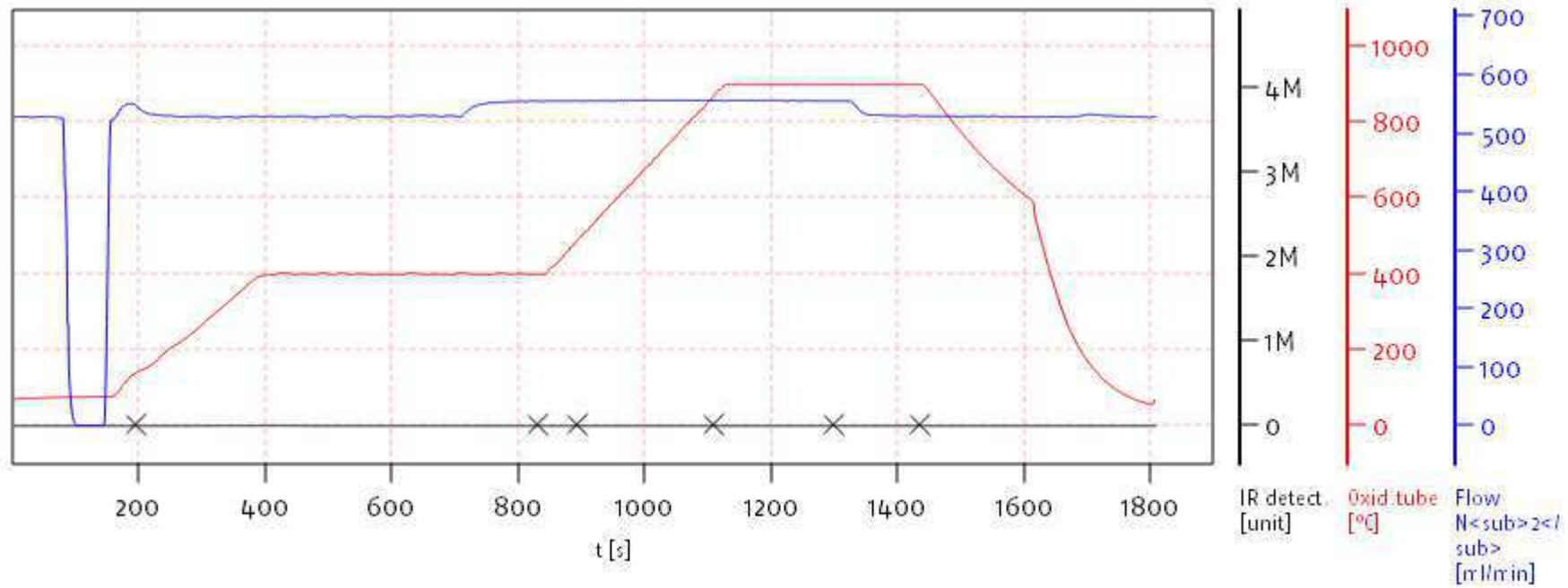
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0336-CCB2	506.50		CARBON	12/29/2022 4:39 AM	bl,C3u,C2u	0.000	12 516	0.000	0.000	620	121	0.000	0.000	0.9594	1.0000



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Balance: BAL3
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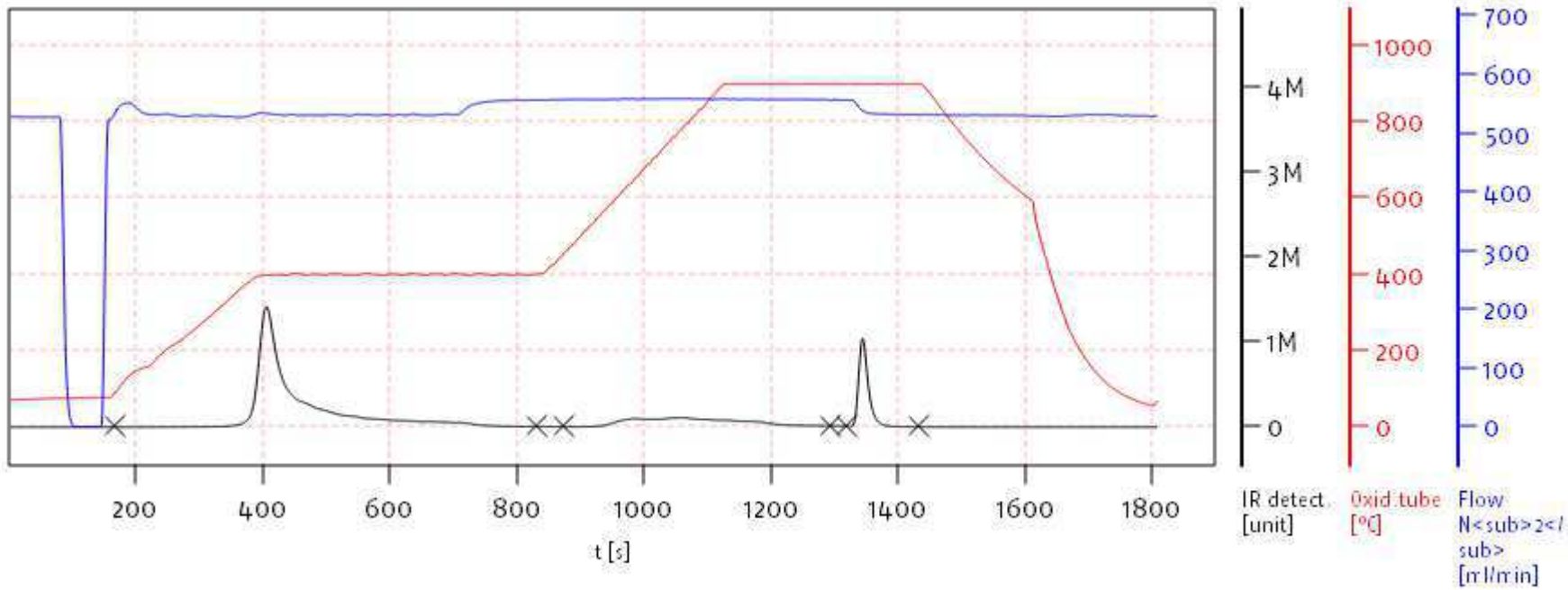
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	22L0307-65	540.60		CARBON	12/29/2022 5:10 AM	bl	1.104	3 338 181	1.355	0.194	704 009	903 607	0.910	0.251	0.9594	1.0000



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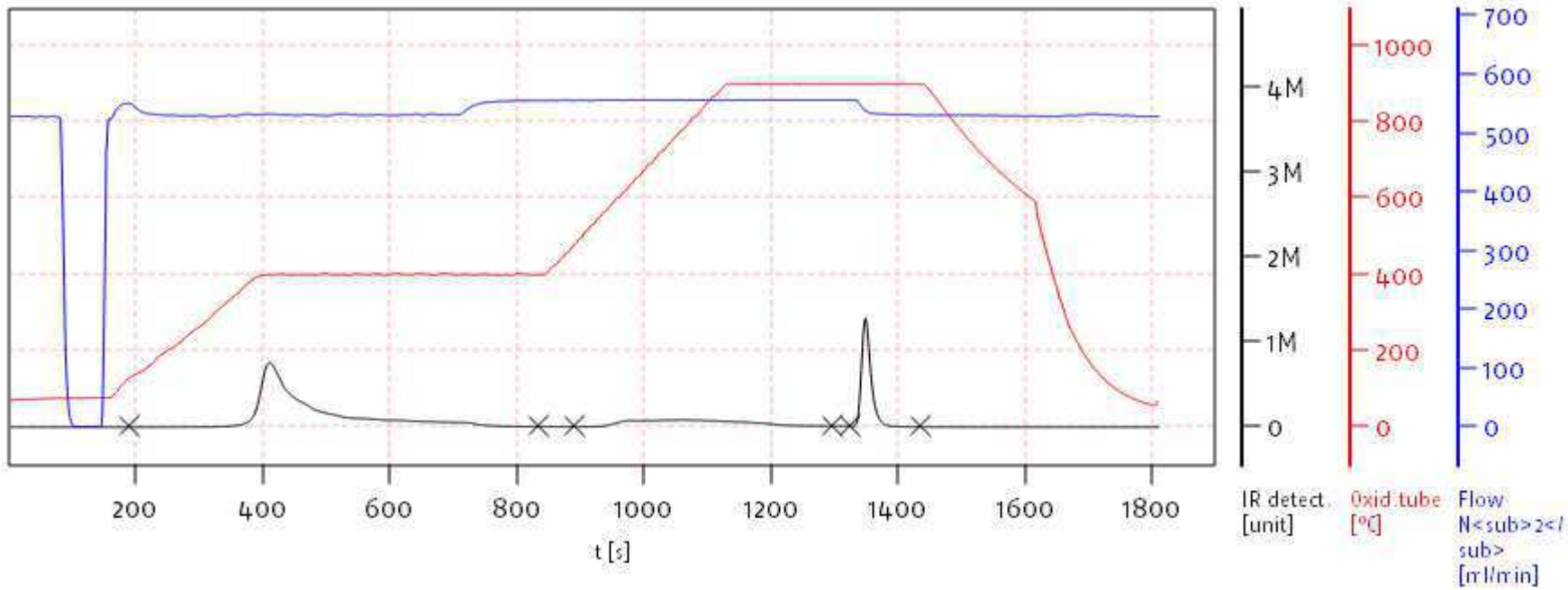
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	22L0307-66	527.40		CARBON	12/29/2022 5:40 AM	bl	0.944	2 530 940	1.153	0.239	840 943	736 911	0.705	0.209	0.9594	1.0000



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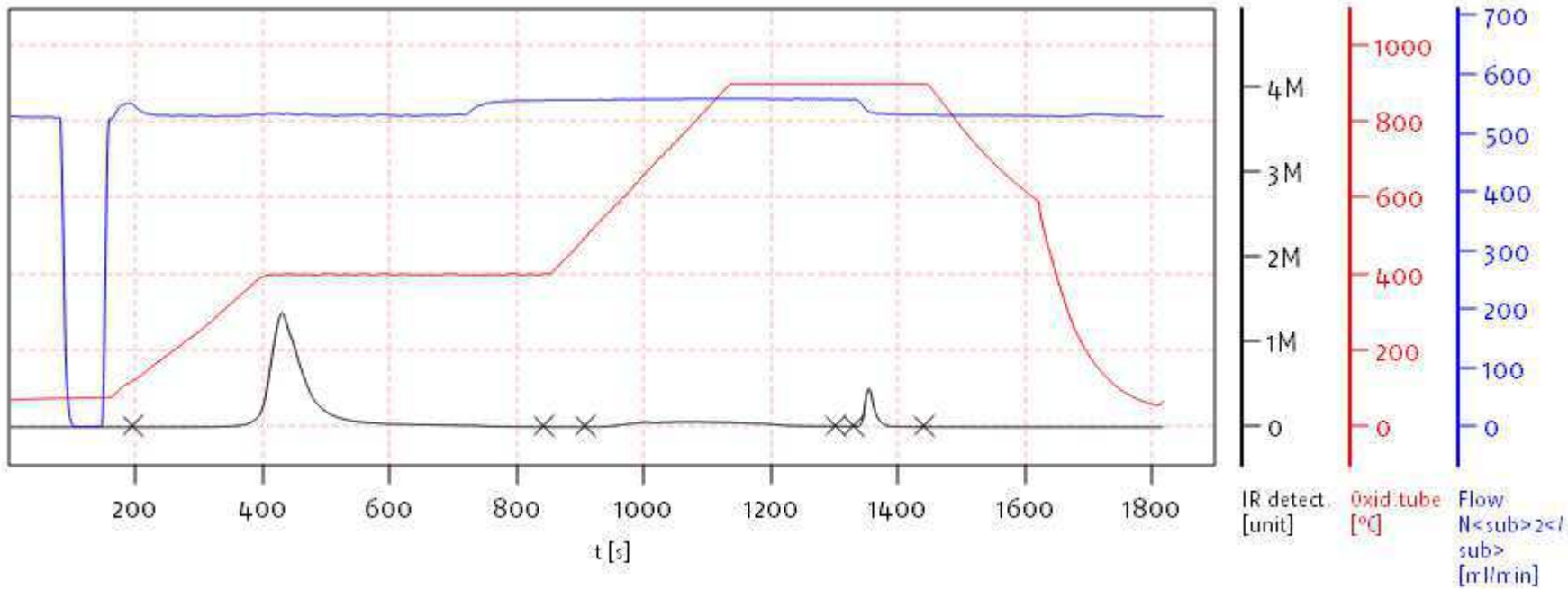
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0473-01	503.10		CARBON	12/29/2022 6:11 AM	bl	1.033	3 234 454	1.188	0.086	305 690	531 582	0.947	0.155	0.9594	1.0000



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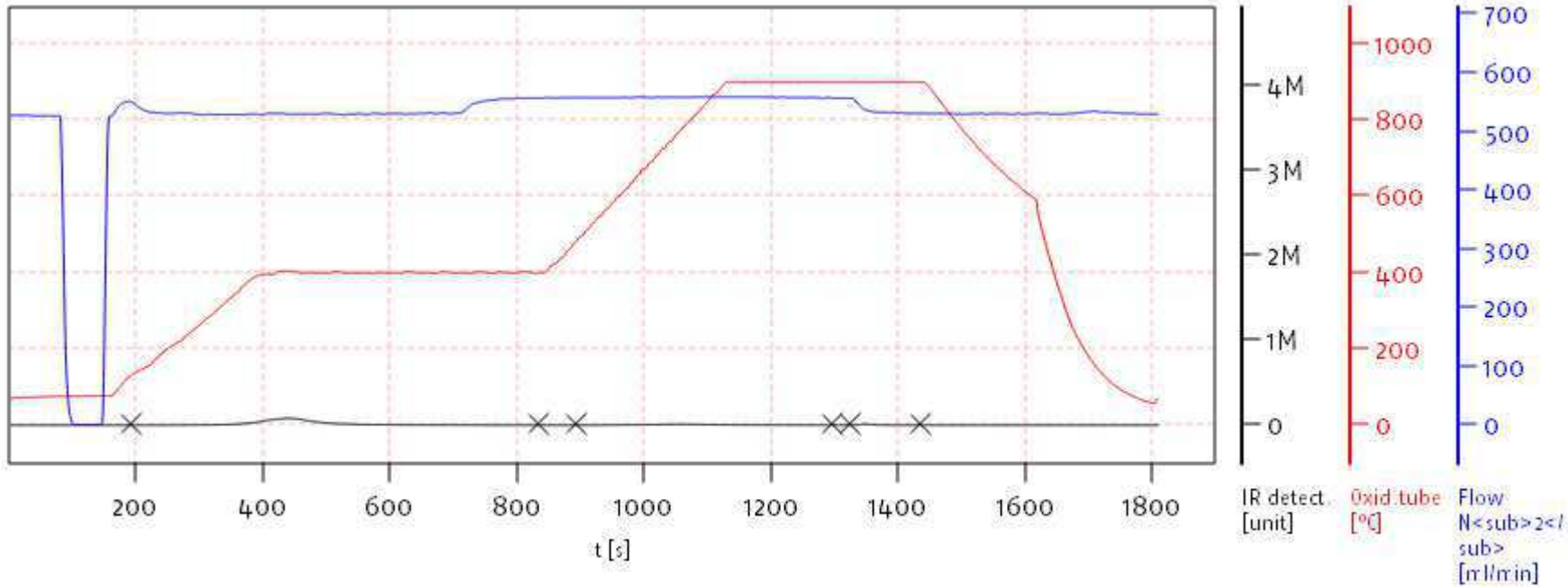
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0473-02	602.50		CARBON	12/29/2022 6:42 AM	bl	0.077	336 916	0.084	0.000	11 911	56 956	0.077	0.008	0.9594	1.0000



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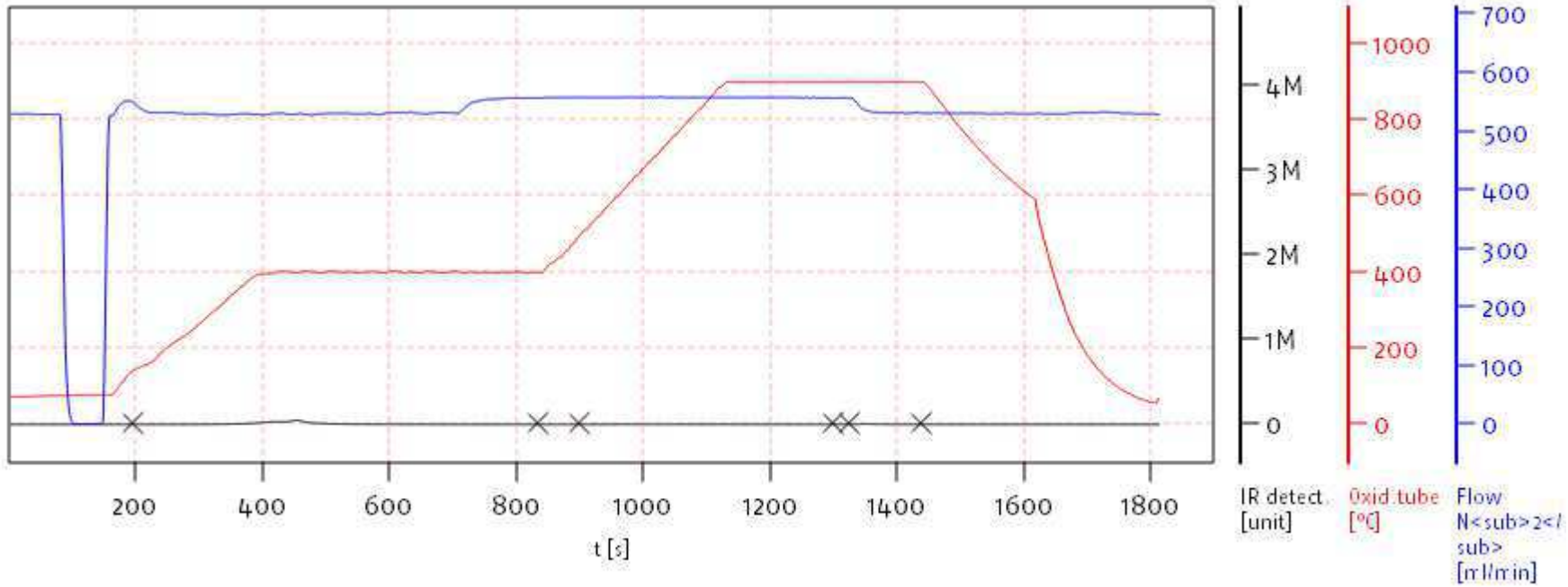
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0473-03	518.70		CARBON	12/29/2022 7:12 AM	bl	0.036	150 749	0.036	0.000	6 582	10 982	0.036	0.000	0.9594	1.0000



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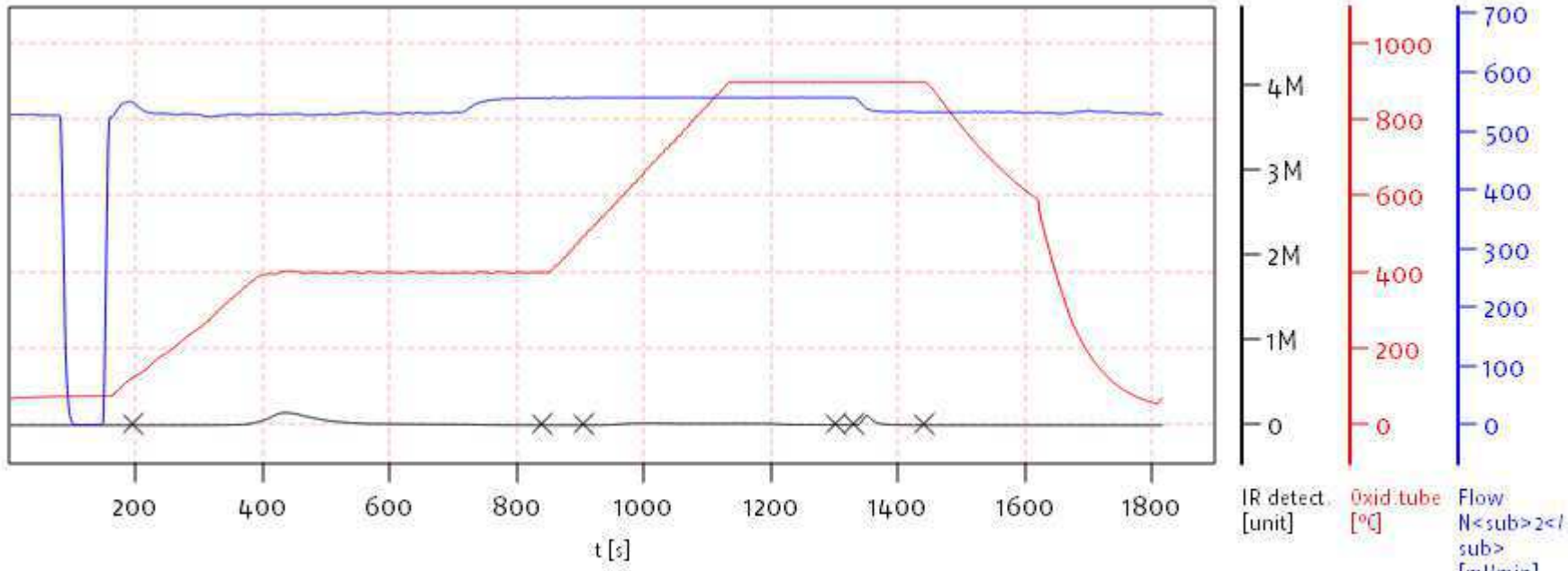
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22L0473-04	510.20		CARBON	12/29/2022 7:43 AM	bl	0.188	608 799	0.243	0.019	88 153	205 537	0.170	0.054	0.9594	1.0000



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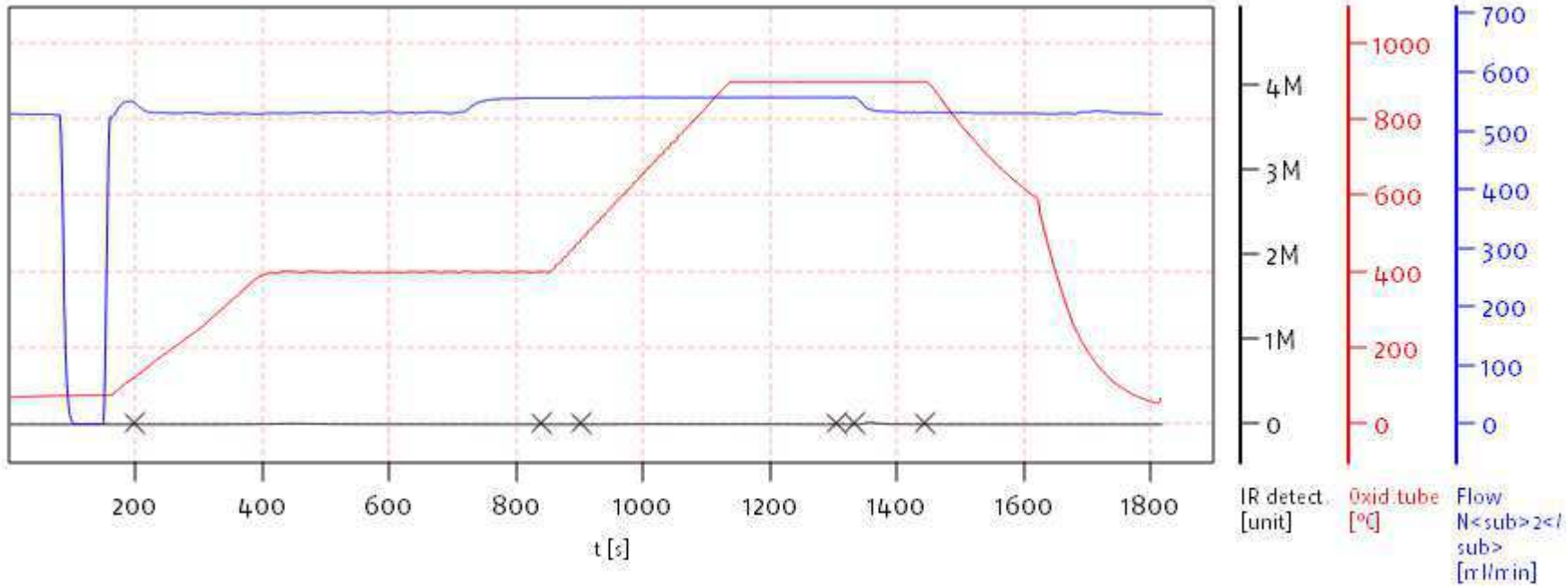
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	22L0473-05	580.50		CARBON	12/29/2022 8:14 AM	bl	0.005	45 087	0.006	0.000	22 282	29 927	0.005	0.001	0.9594	1.0000



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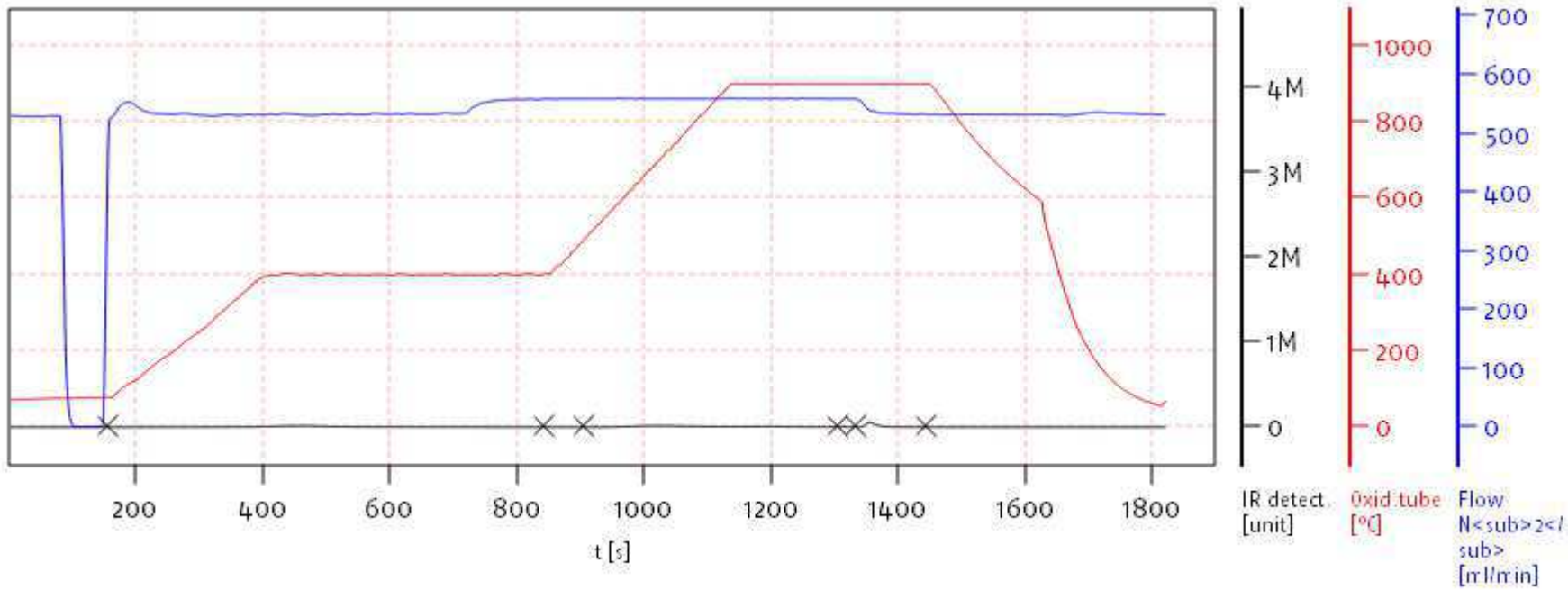
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	22L0473-06	510.20		CARBON	12/29/2022 8:44 AM	bl	0.021	81 154	0.043	0.006	44 751	97 425	0.016	0.022	0.9594	1.0000



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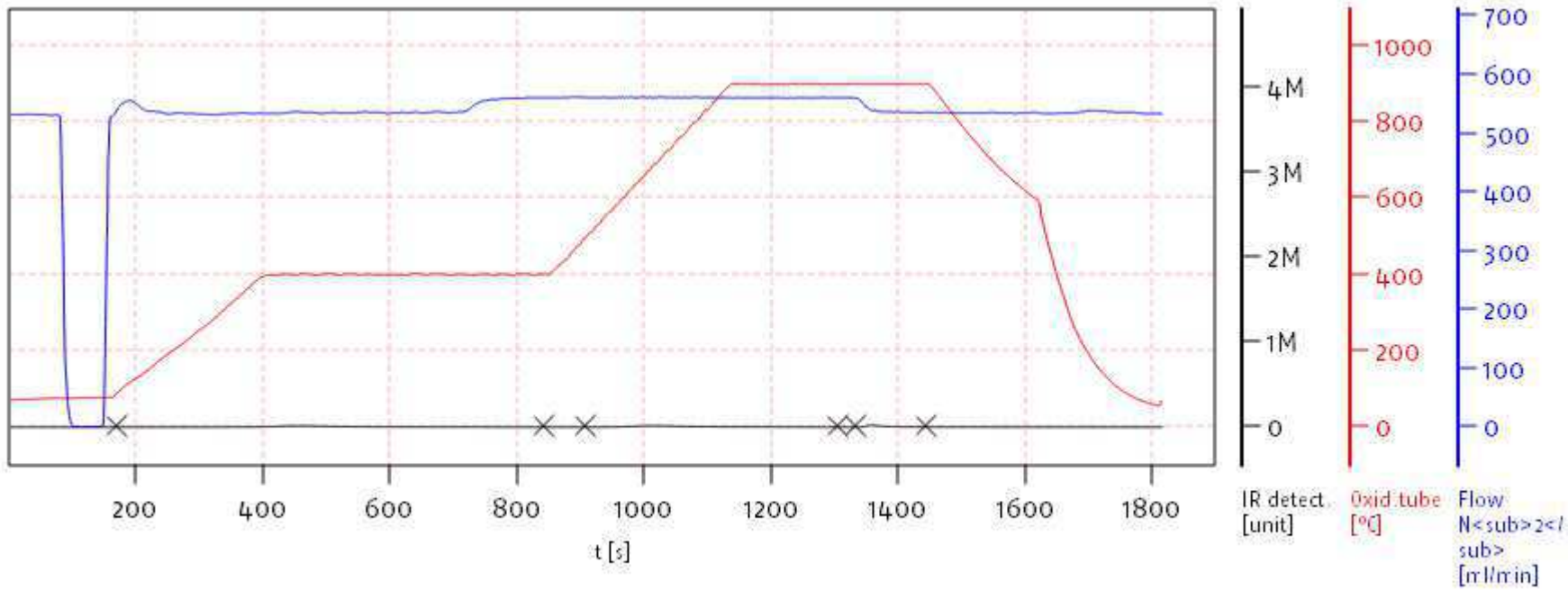
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	22L0473-07	539.20		CARBON	12/29/2022 9:15 AM	bl	0.015	79 645	0.027	0.000	27 321	70 453	0.015	0.013	0.9594	1.0000



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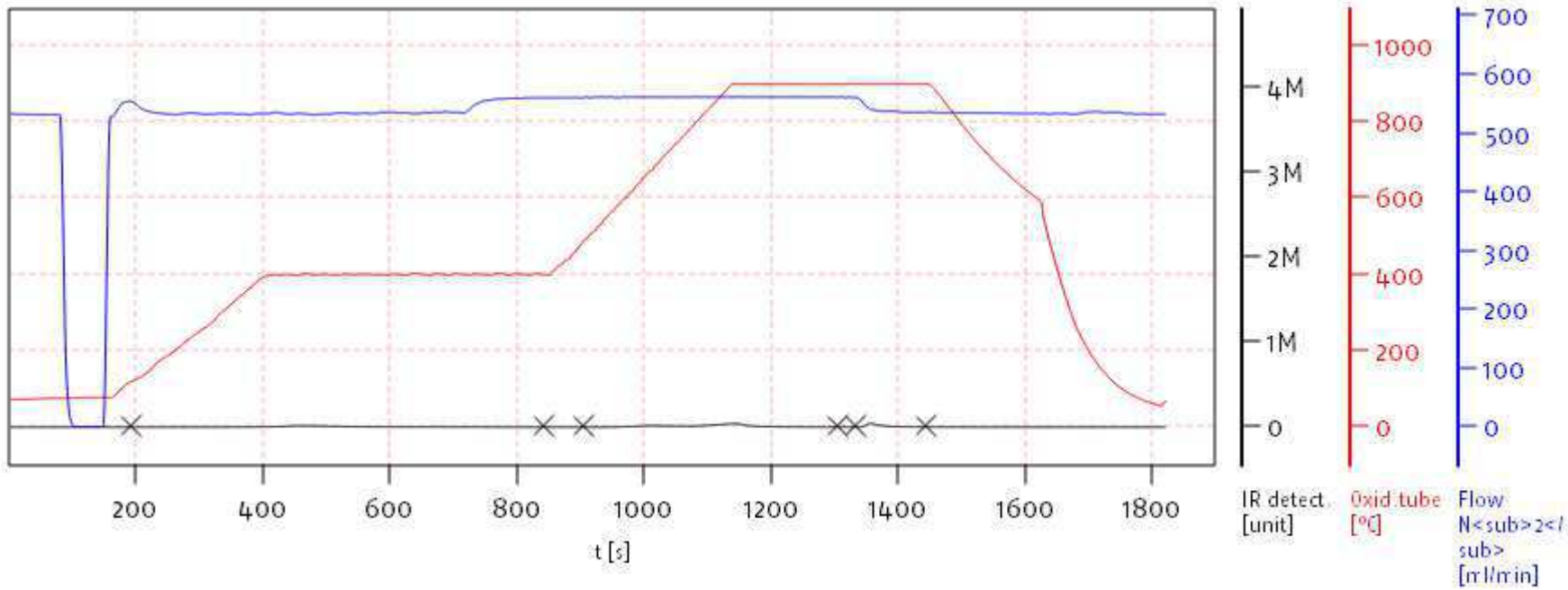
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	22L0473-08	656.50		CARBON	12/29/2022 9:46 AM	bl	0.018	82 729	0.049	0.005	47 366	160 533	0.013	0.032	0.9594	1.0000



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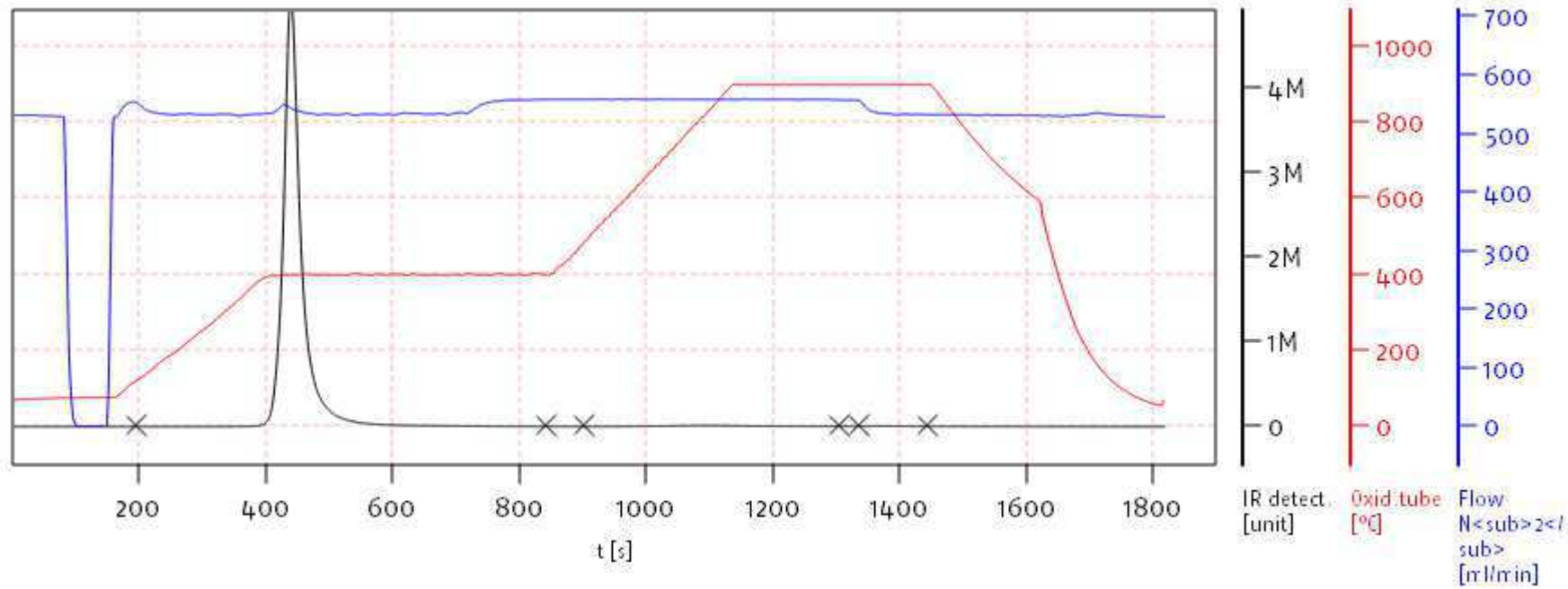
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0336-CCV3	20.70		CARBON	12/29/2022 10:16 AM	bl	44.803	6 270 918	45.289	0.000	19 363	91 414	44.803	0.485	0.9594	1.0000



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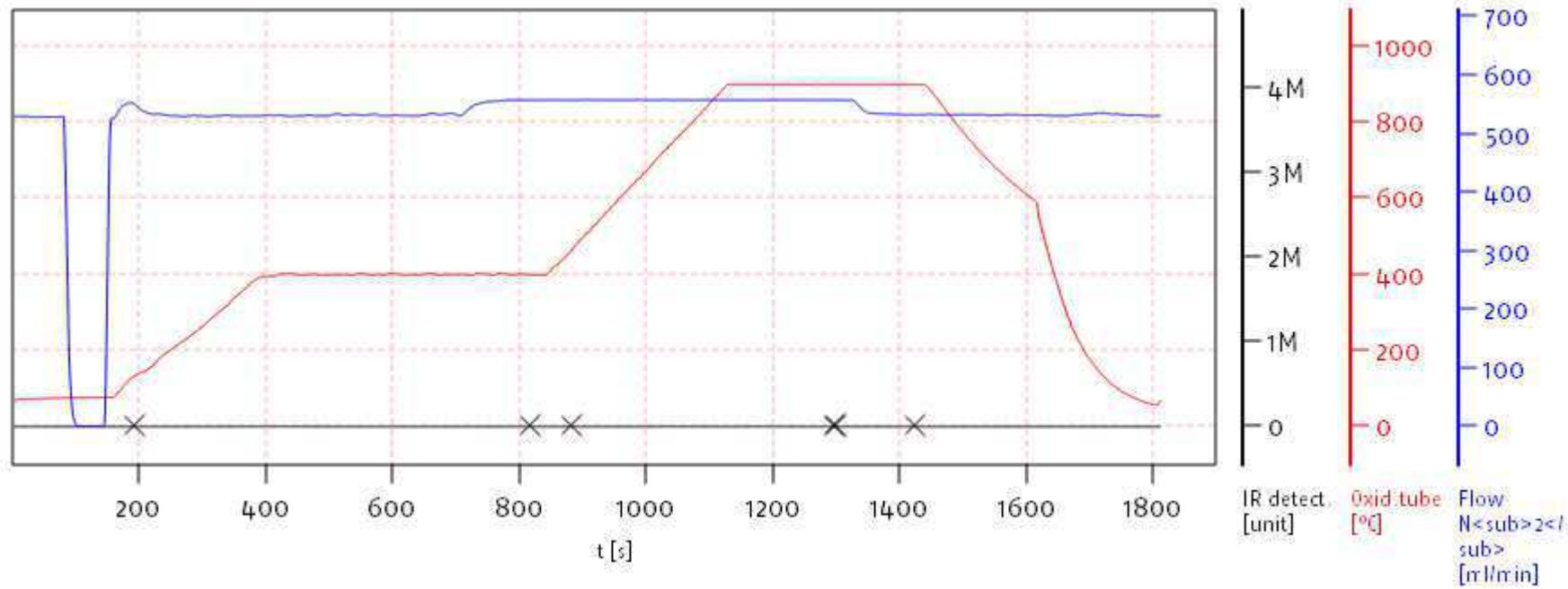
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0336-CCB3	510.40		CARBON	12/29/2022 10:47 AM	bl,C2u	0.000	8 103	0.000	0.000	1 725	9 839	0.000	0.000	0.9594	1.0000



Name:

Access: soliTOC superuser

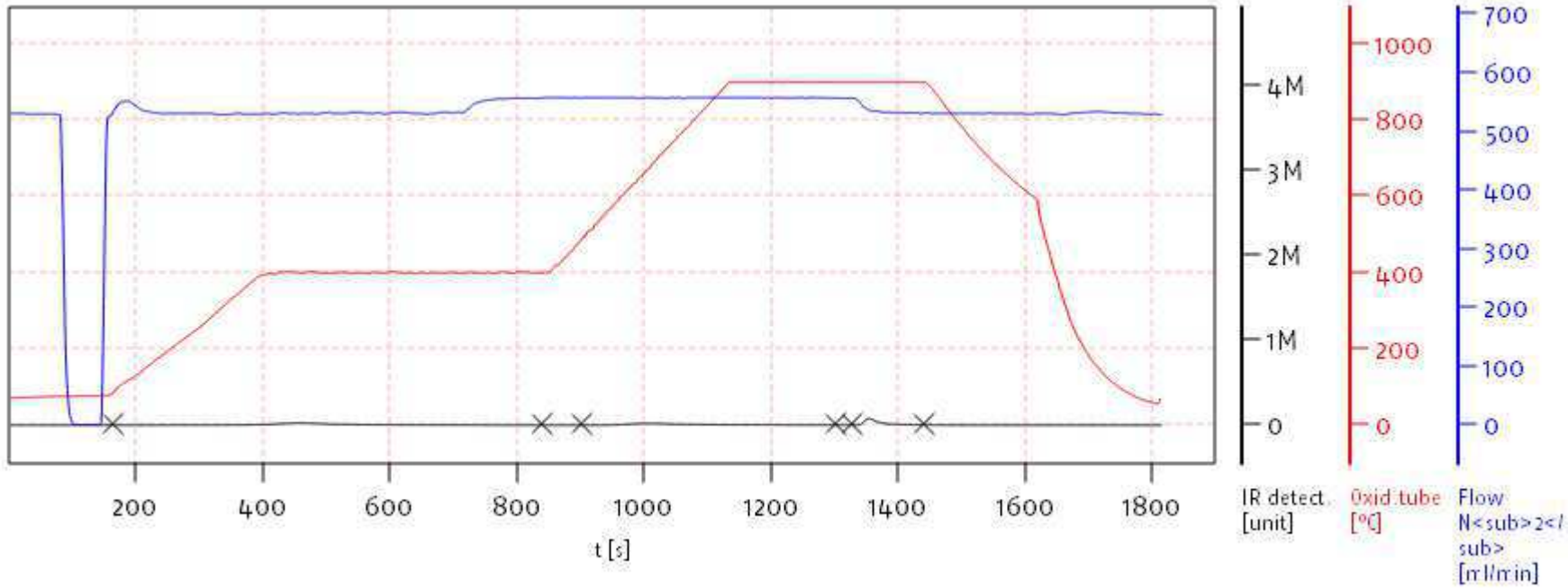
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22L0473-09	660.10		CARBON	12/29/2022 11:18 AM	bl	0.037	129 314	0.053	0.014	84 922	96 508	0.023	0.016	0.9594	1.0000



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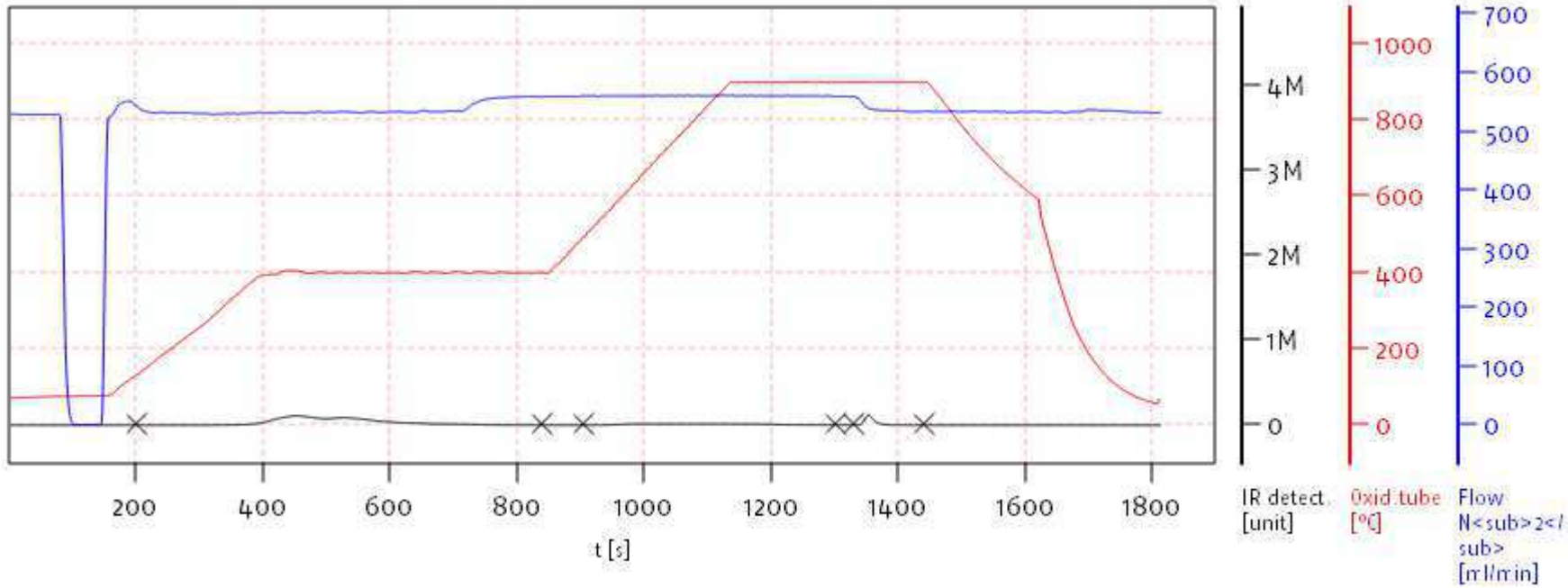
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	22L0473-10	532.20		CARBON	12/29/2022 11:48 AM	bl	0.206	705 498	0.238	0.016	82 130	137 333	0.189	0.032	0.9594	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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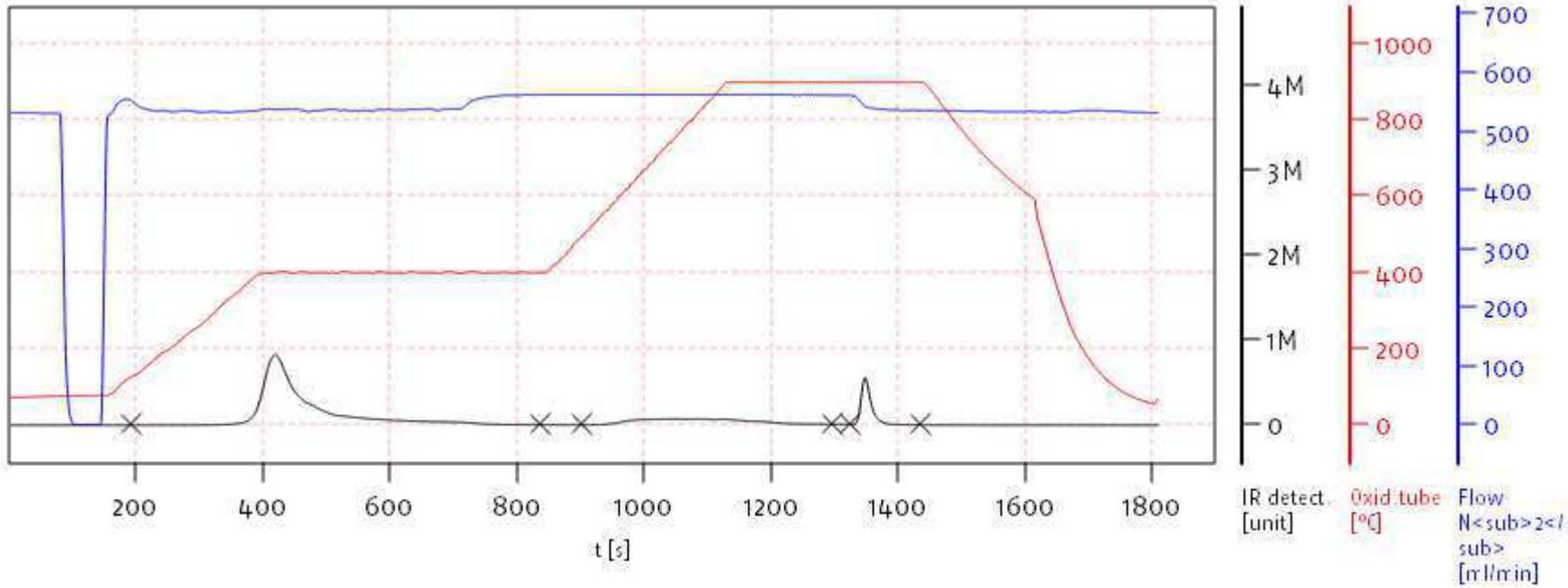
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	22L0473-11	518.70		CARBON	12/29/2022 12:19 PM	bl	0.809	2 467 152	0.990	0.110	395 819	632 832	0.699	0.181	0.9594	1.0000



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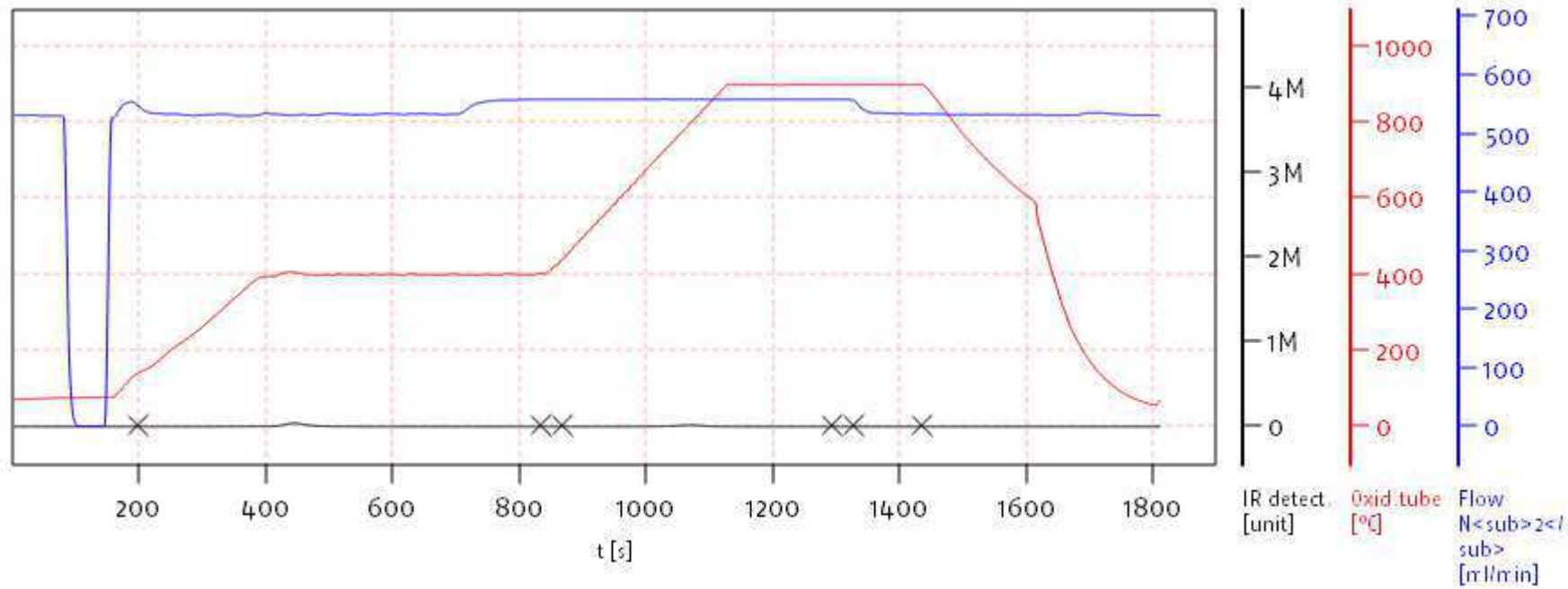
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	BKL0599-MRL1	542.10		CARBON	12/29/2022 12:49 PM	bl,C2u	0.014	77 667	0.017	0.000	223	38 532	0.014	0.003	0.9594	1.0000



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elementar
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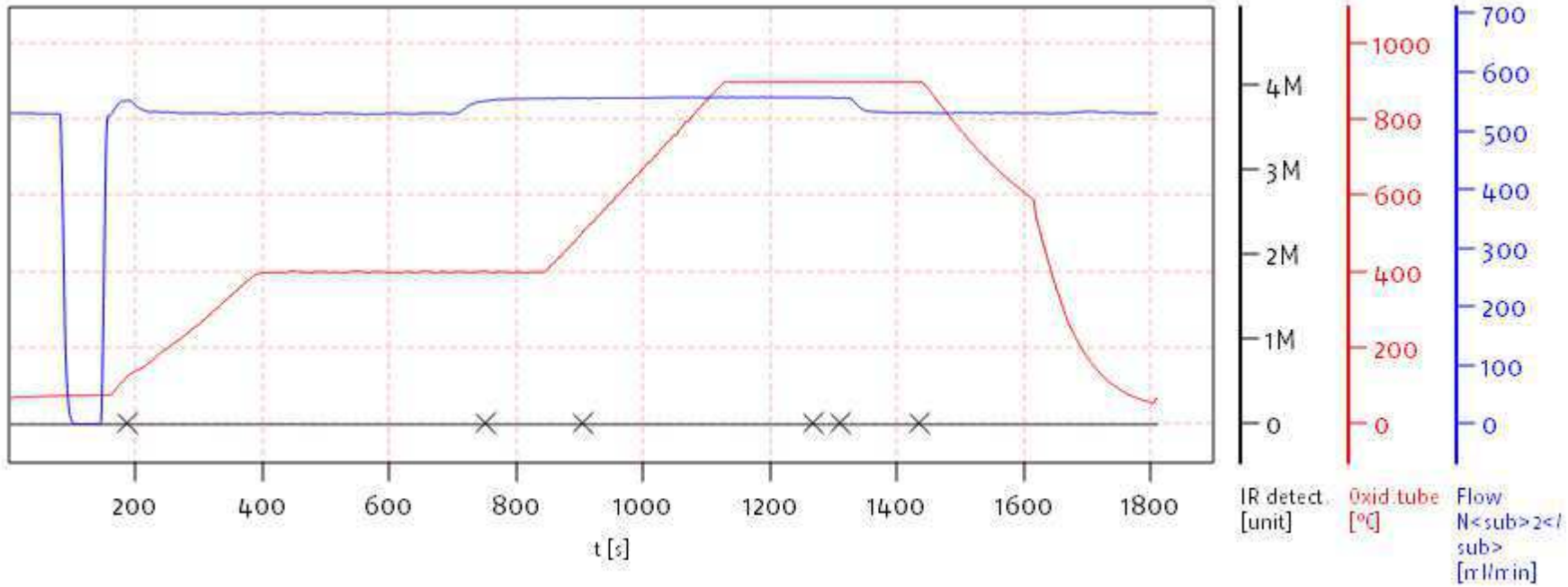
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	BKL0599-BLK1	511.70		CARBON	12/29/2022 1:20 PM	bl,C3u,C2u	0.000	6 122	0.000	0.000	351	2 112	0.000	0.000	0.9594	1.0000



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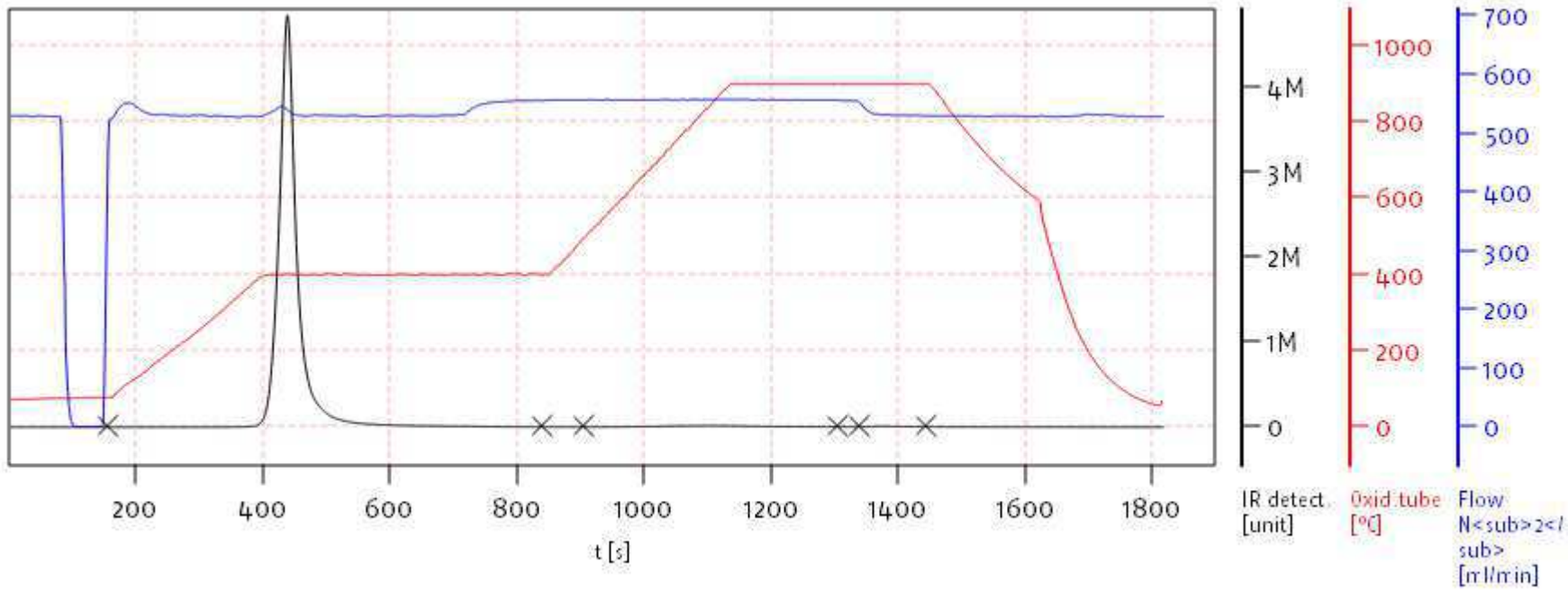
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	BKL0599-BS1	20.20		CARBON	12/29/2022 1:51 PM	bl	44.477	6 075 734	45.184	0.000	25 270	118 801	44.477	0.707	0.9594	1.0000



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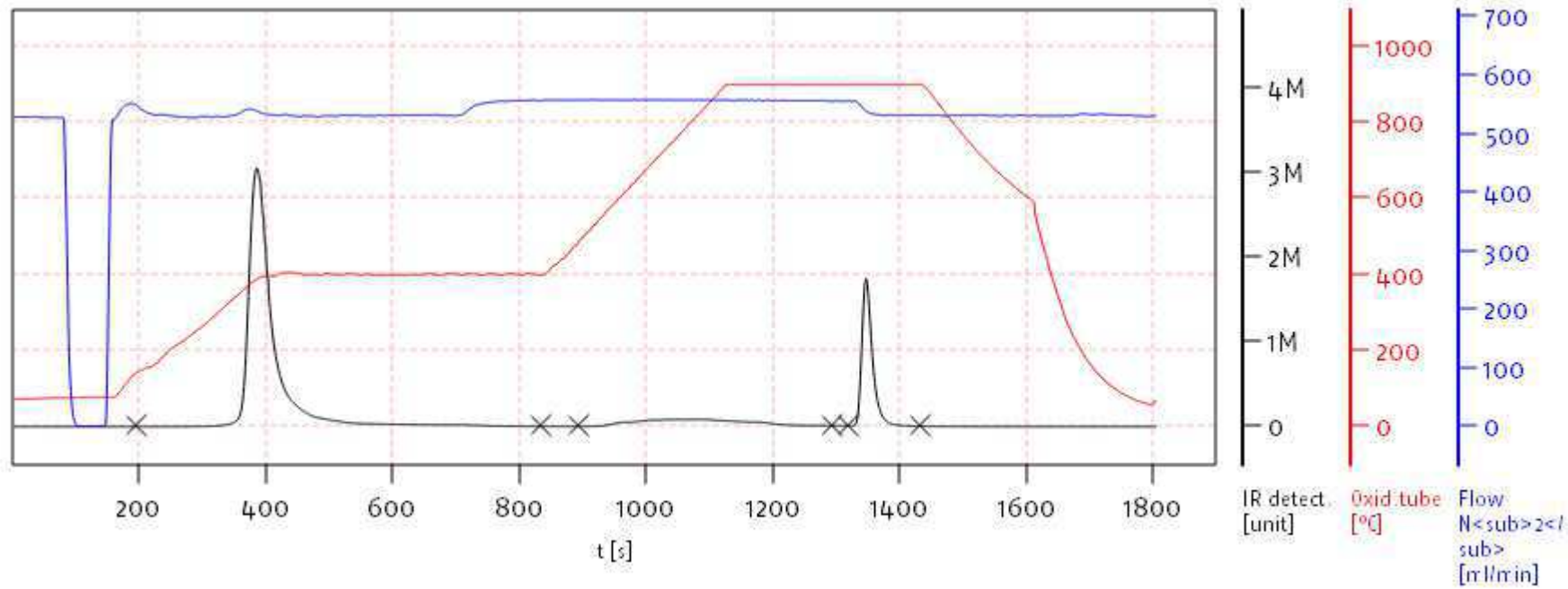
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	BKL0599-SRM1	305.50		CARBON	12/29/2022 2:21 PM	bl	3.038	4 961 714	3.387	0.638	1 286 356	716 864	2.399	0.350	0.9594	1.0000



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Serial No: 0300.181017
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Soli TOC Cube, Carbon
Balance: BAL3
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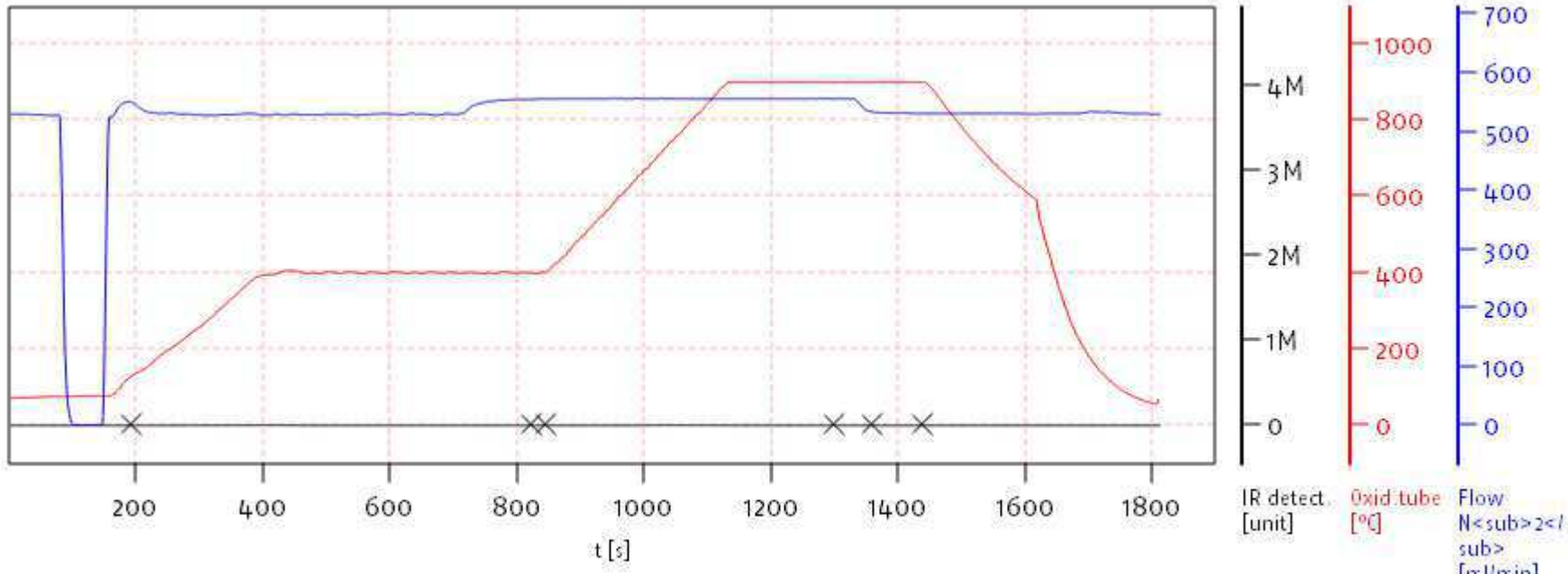
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/29/2022 2:52 PM	bl	0.000	14 067	0.000	0.000	385	12 446	0.000	0.000	0.9594	1.0000



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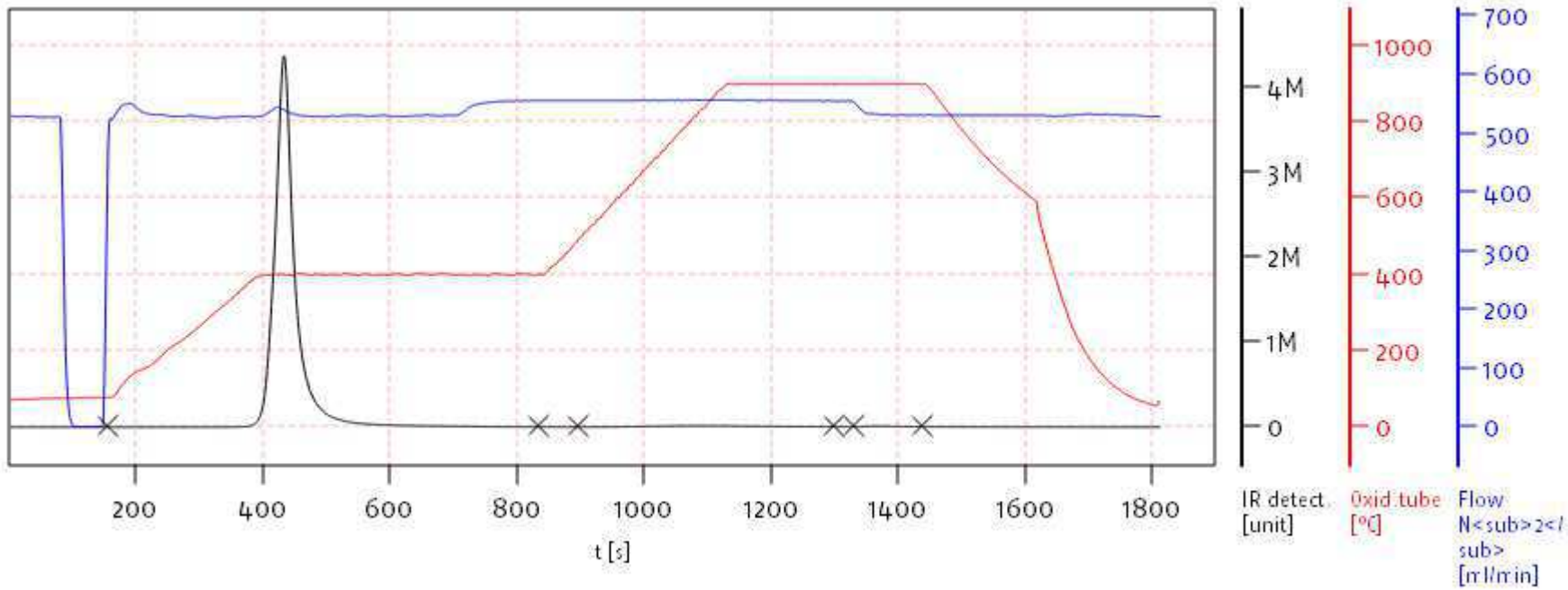
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	20.30		CARBON	12/29/2022 3:22 PM	bl	44.488	6 071 553	45.253	0.042	32 074	126 811	44.446	0.765	0.9642	1.0000



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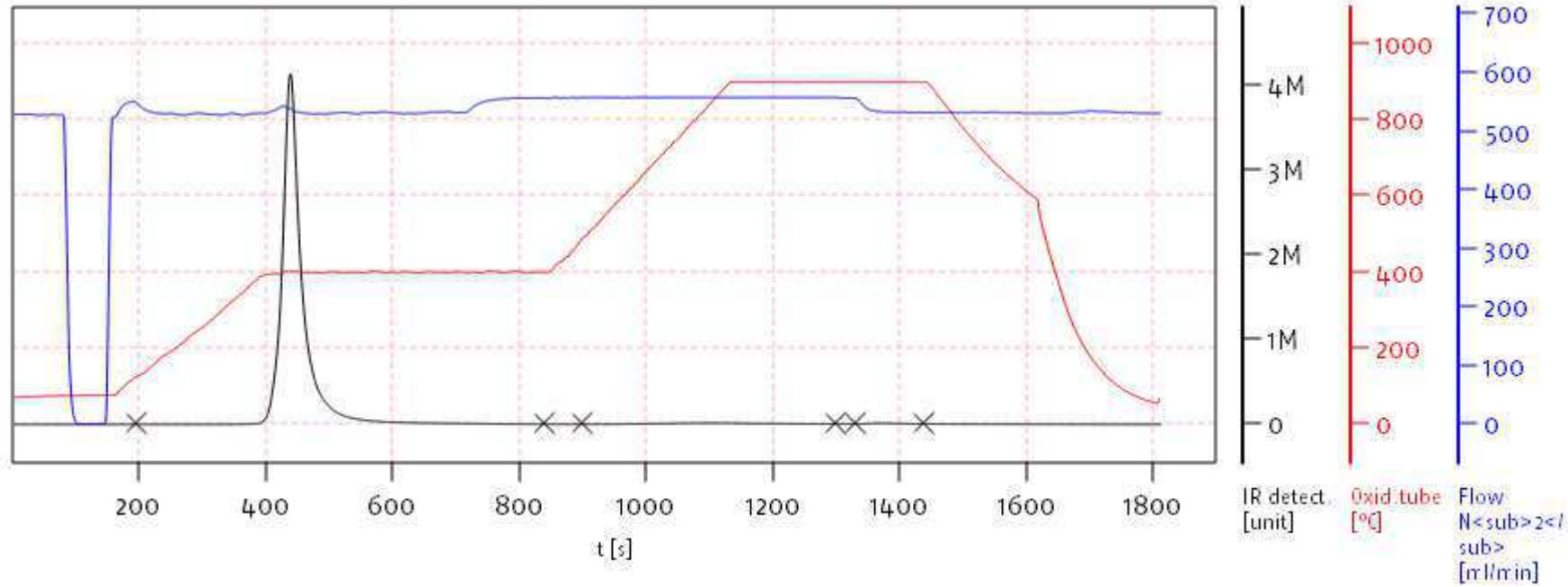
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	19.40		CARBON	12/29/2022 3:53 PM	bl	44.532	5 648 968	45.396	0.086	37 352	134 792	44.446	0.864	0.9907	1.0000



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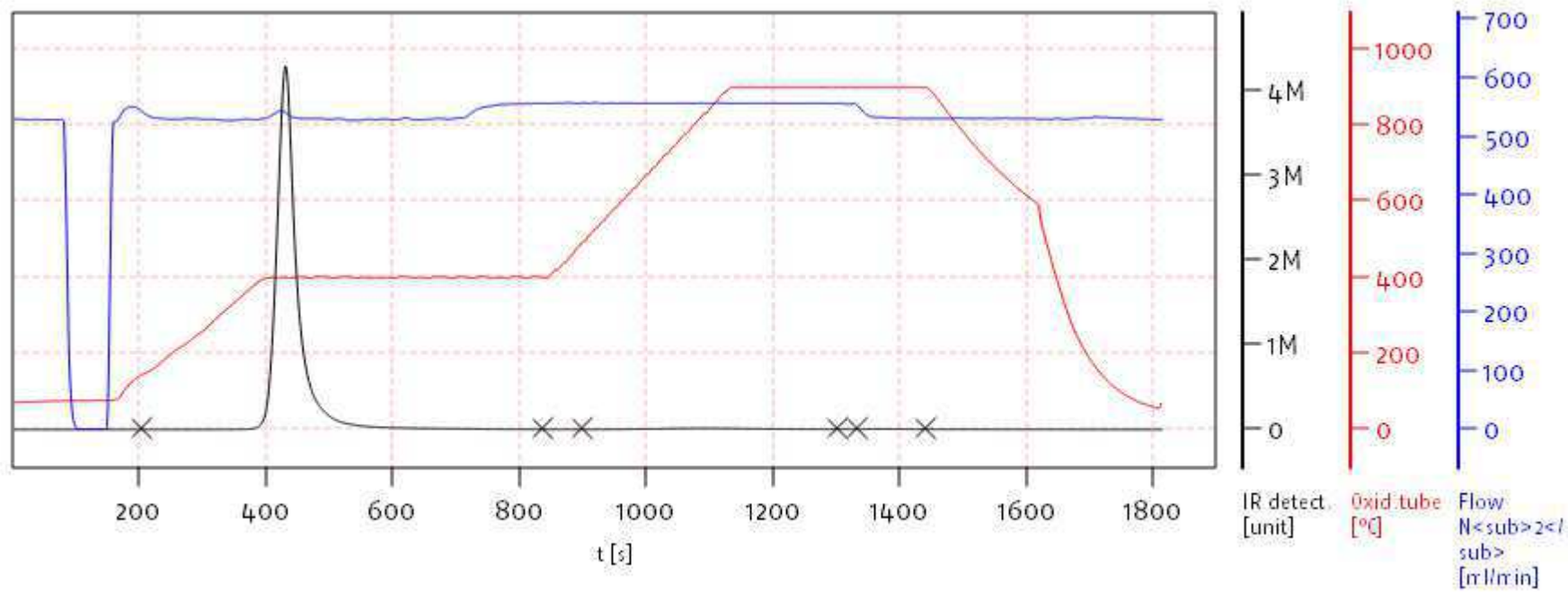
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0336-CCV4	19.90		CARBON	12/29/2022 4:24 PM	bl	45.486	6 008 854	46.126	0.000	19 204	108 821	45.486	0.640	0.9774	1.0000



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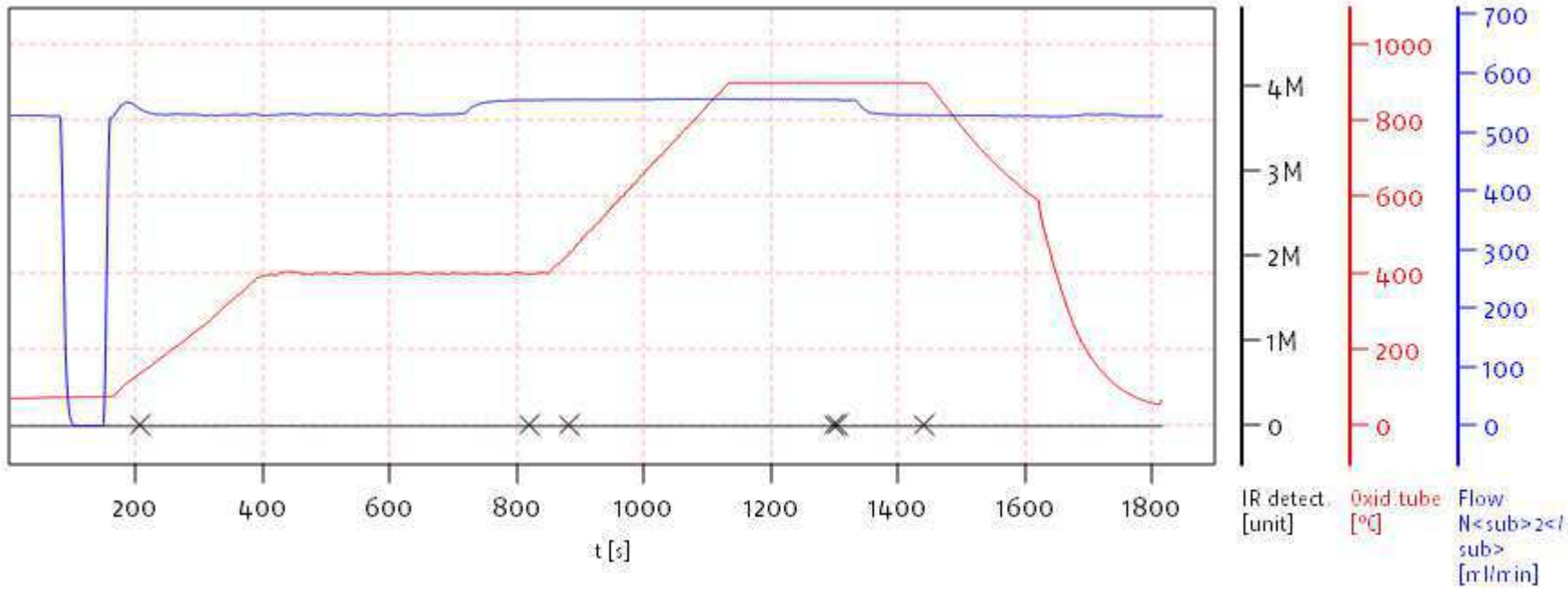
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0336-CCB4	515.10		CARBON	12/29/2022 4:54 PM	bl,C3u,C2u	0.000	8 905	0.000	0.000	1 135	209	0.000	0.000	0.9774	1.0000



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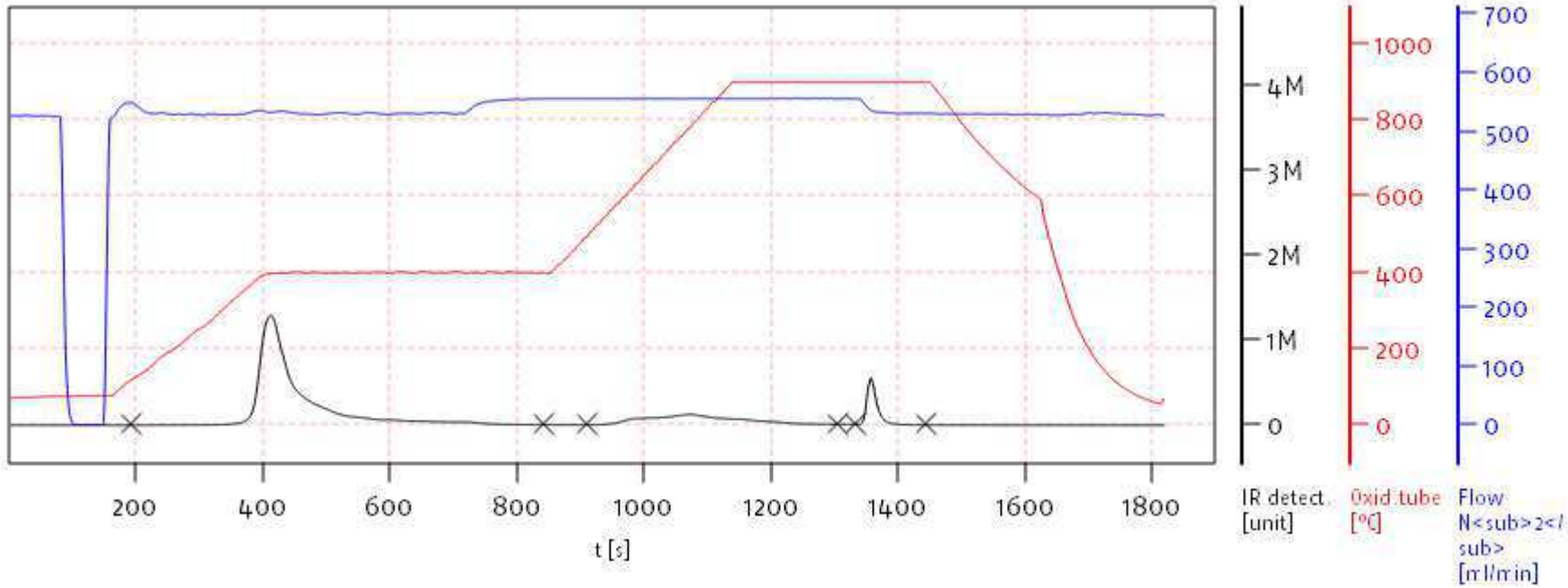
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22L0383-01	530.50		CARBON	12/29/2022 5:25 PM	bl	1.051	3 340 156	1.287	0.106	388 705	835 873	0.945	0.236	0.9774	1.0000



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Balance: BAL3
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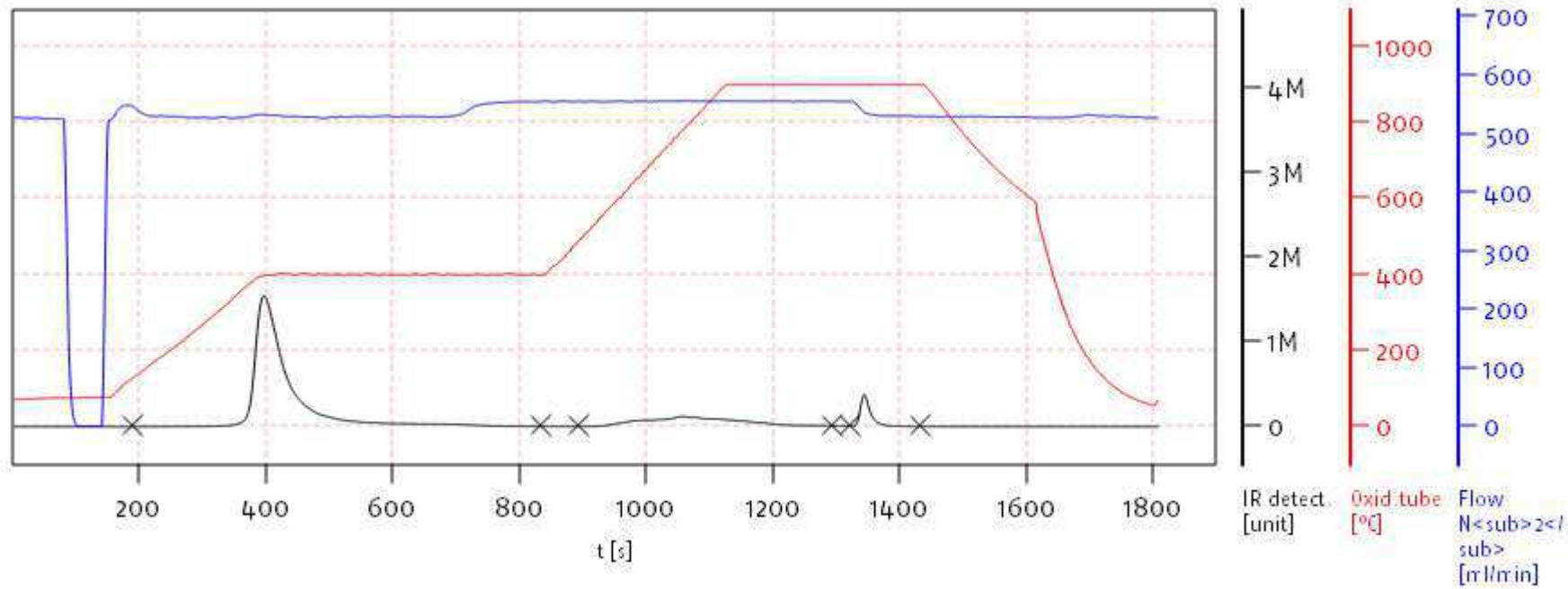
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	BKL0599-DUP1	526.90		CARBON	12/29/2022 5:56 PM	bl	1.054	3 447 169	1.279	0.072	270 814	793 040	0.982	0.225	0.9774	1.0000



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Balance: BAL3
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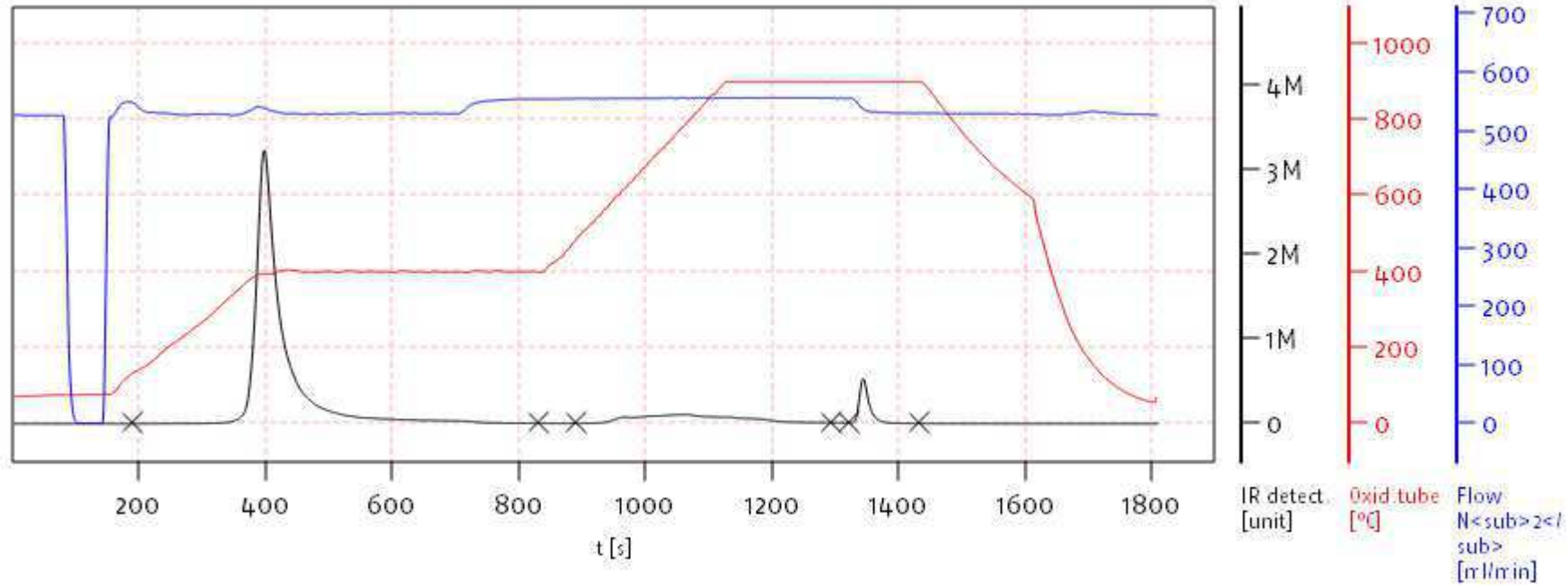
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	BKL0599-MS1	514.40	0.0077	CARBON	12/29/2022 6:26 PM	bl	1.761	5 663 480	2.005	0.103	368 136	837 398	1.658	0.244	0.9774	1.0000



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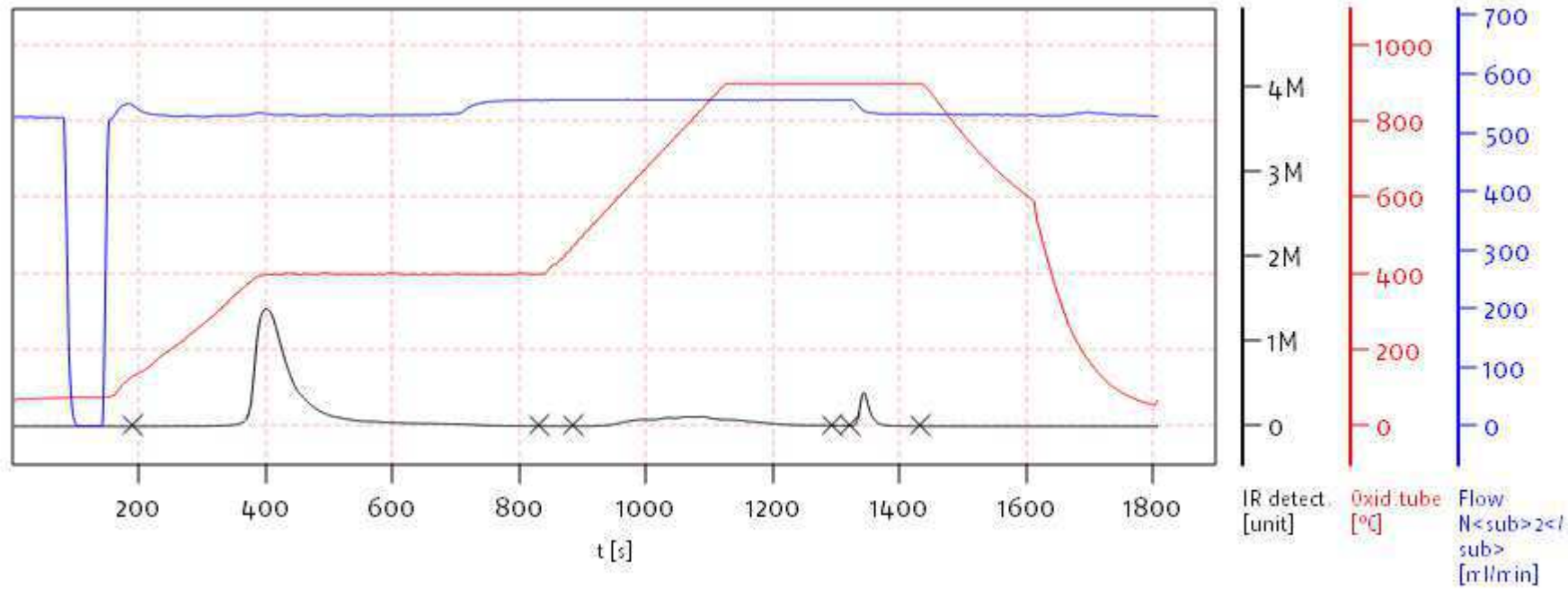
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22L0383-02	514.70		CARBON	12/29/2022 6:57 PM	bl	1.141	3 645 618	1.376	0.077	283 261	808 295	1.064	0.235	0.9774	1.0000



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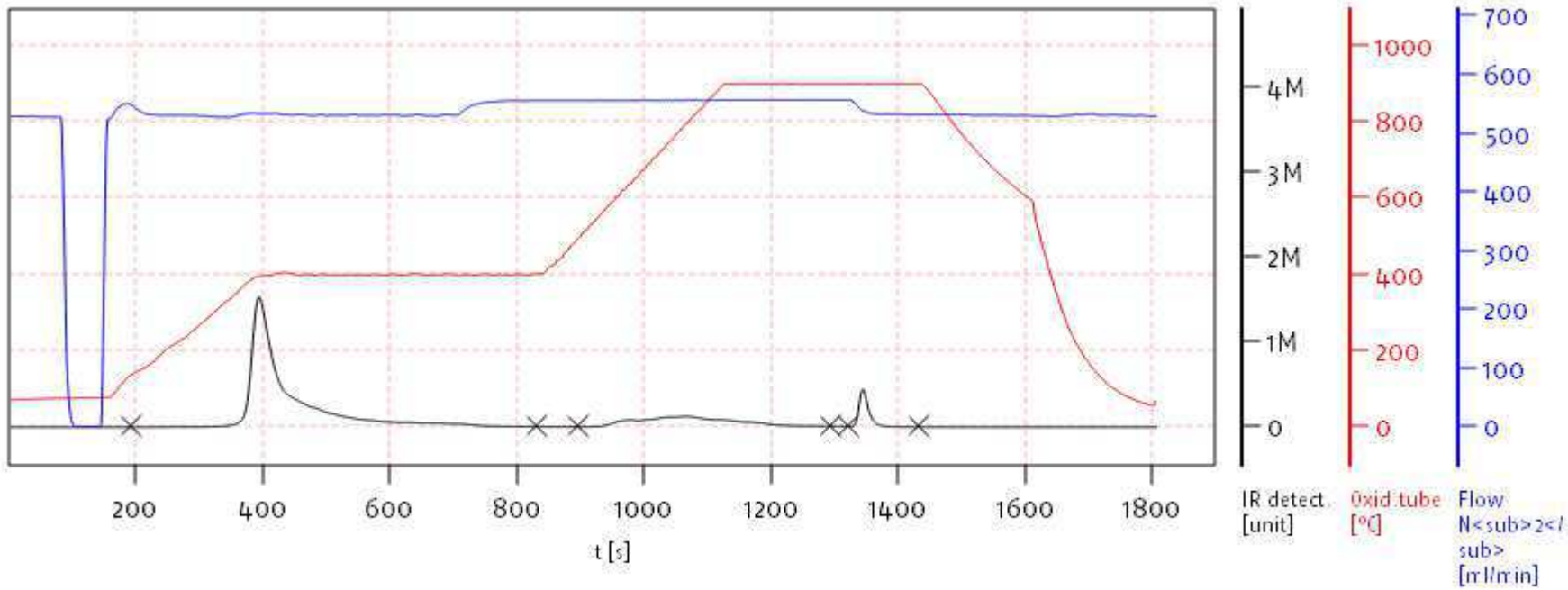
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	22L0383-03	521.30		CARBON	12/29/2022 7:27 PM	bl	1.085	3 485 611	1.339	0.081	300 520	879 129	1.004	0.253	0.9774	1.0000



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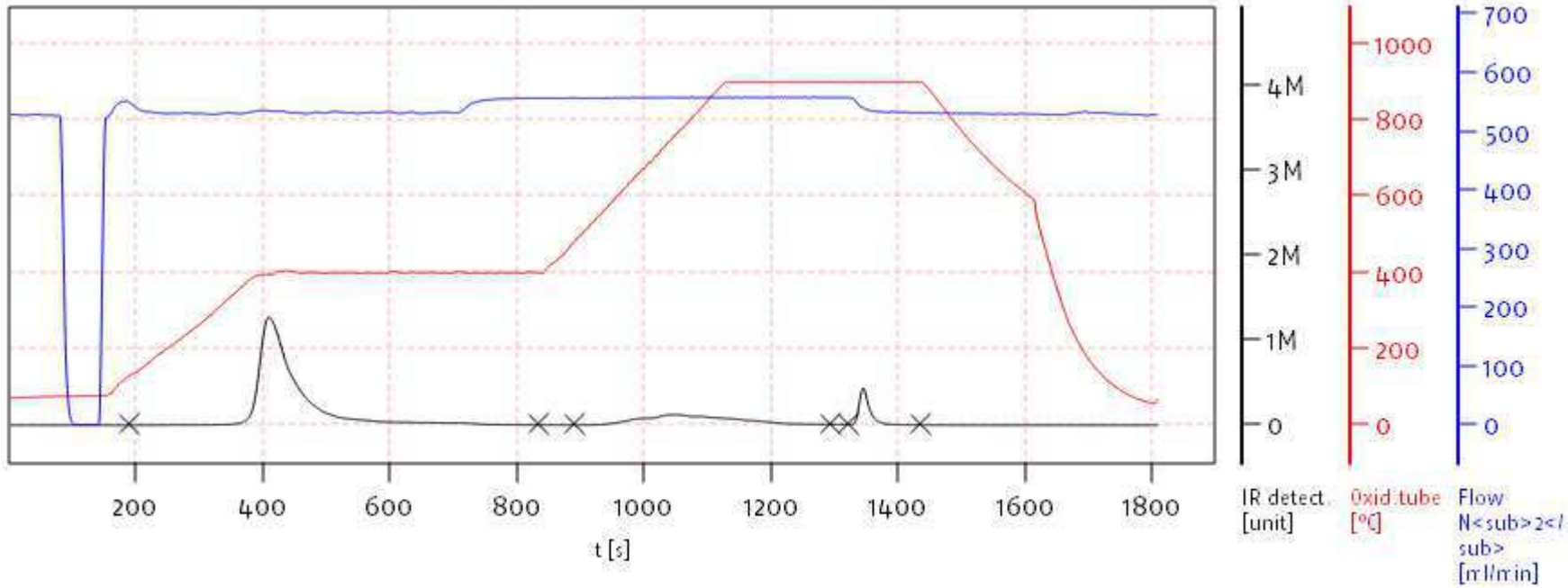
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	22L0383-04	533.60		CARBON	12/29/2022 7:58 PM	bl	0.977	3 174 085	1.204	0.085	317 850	808 806	0.893	0.227	0.9774	1.0000



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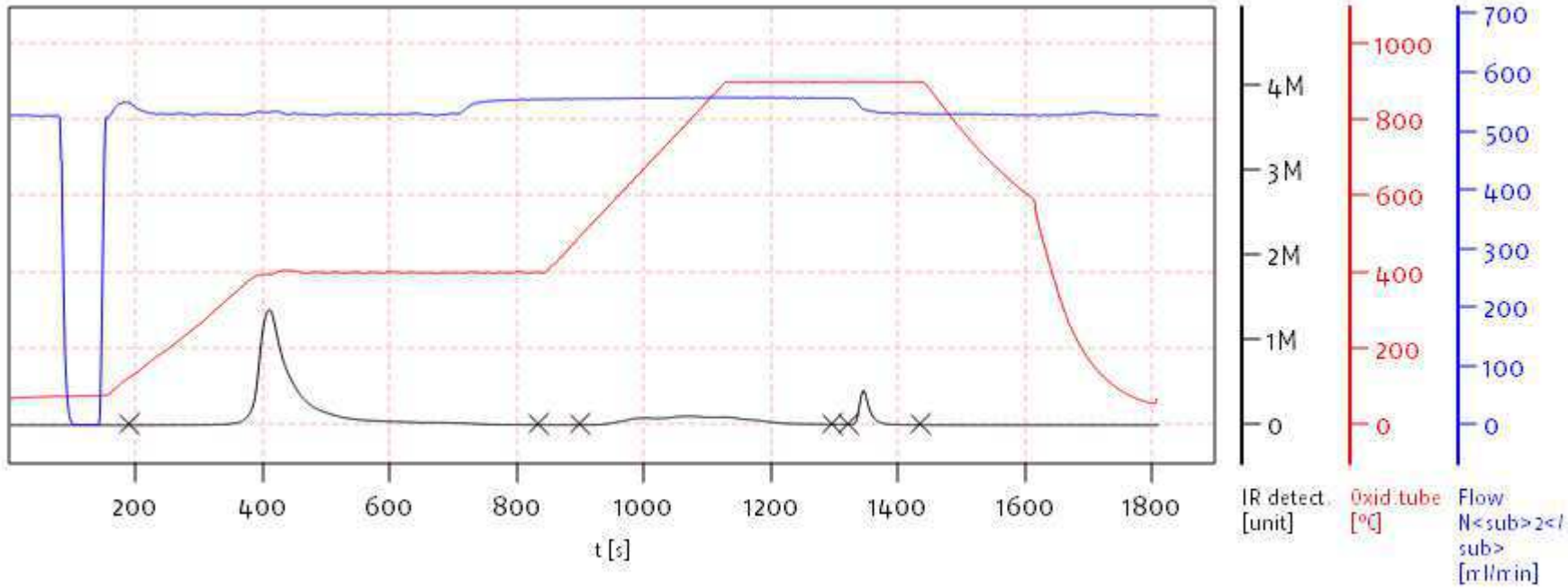
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	22L0383-05	512.90		CARBON	12/29/2022 8:28 PM	bl	1.019	3 208 439	1.256	0.081	293 878	812 113	0.939	0.237	0.9774	1.0000



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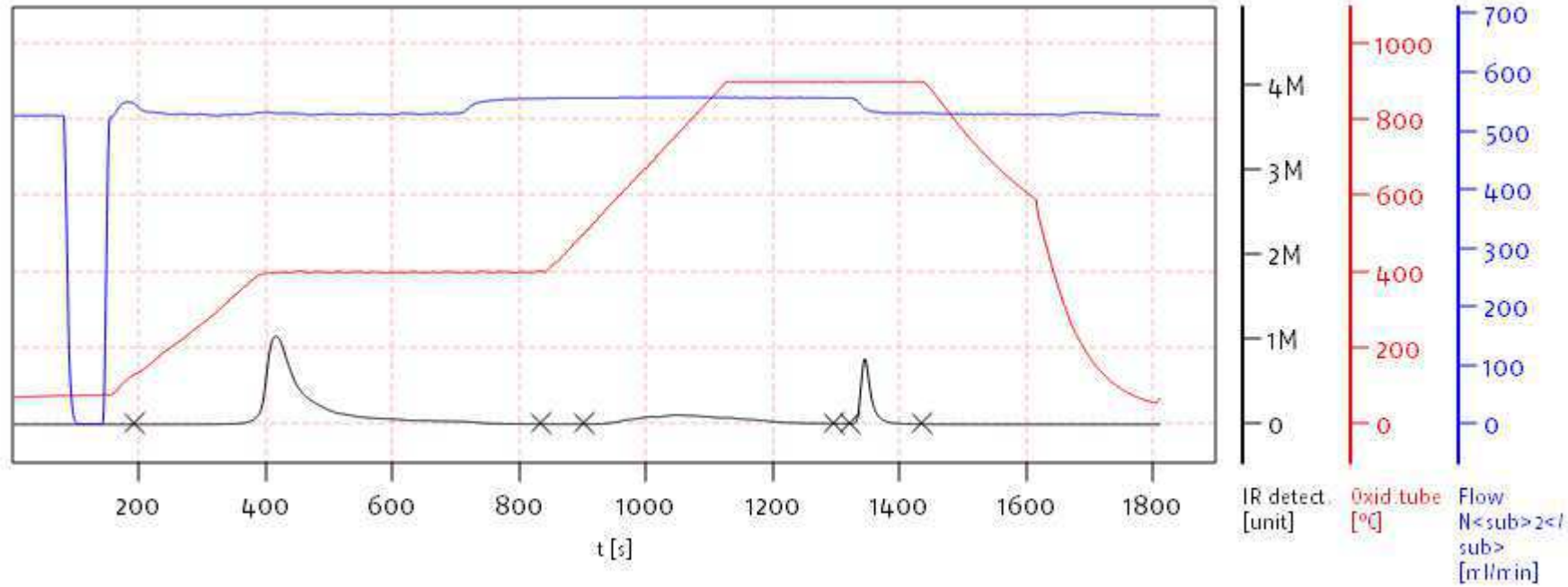
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	22L0383-06	512.90		CARBON	12/29/2022 8:59 PM	bl	0.975	2 792 391	1.208	0.160	555 017	796 339	0.816	0.232	0.9774	1.0000



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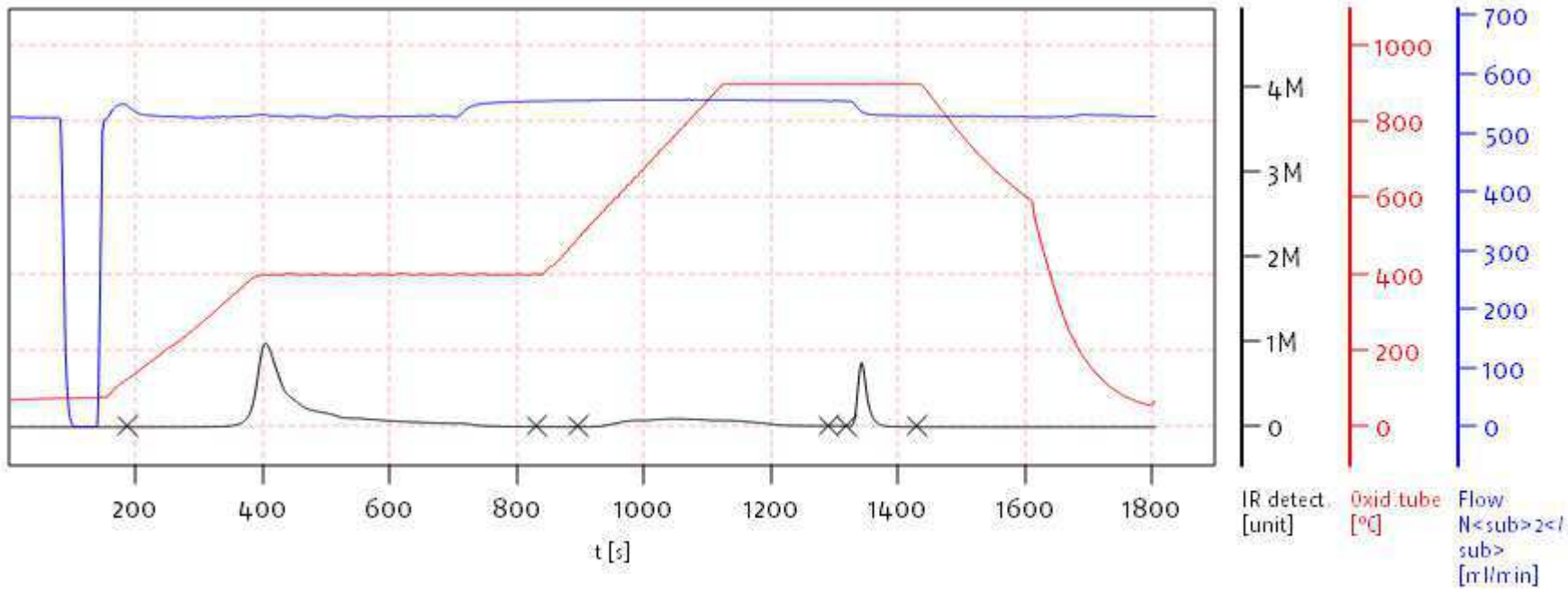
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0383-07	505.70		CARBON	12/29/2022 9:29 PM	bl	0.962	2 751 206	1.197	0.147	505 449	794 926	0.815	0.235	0.9774	1.0000



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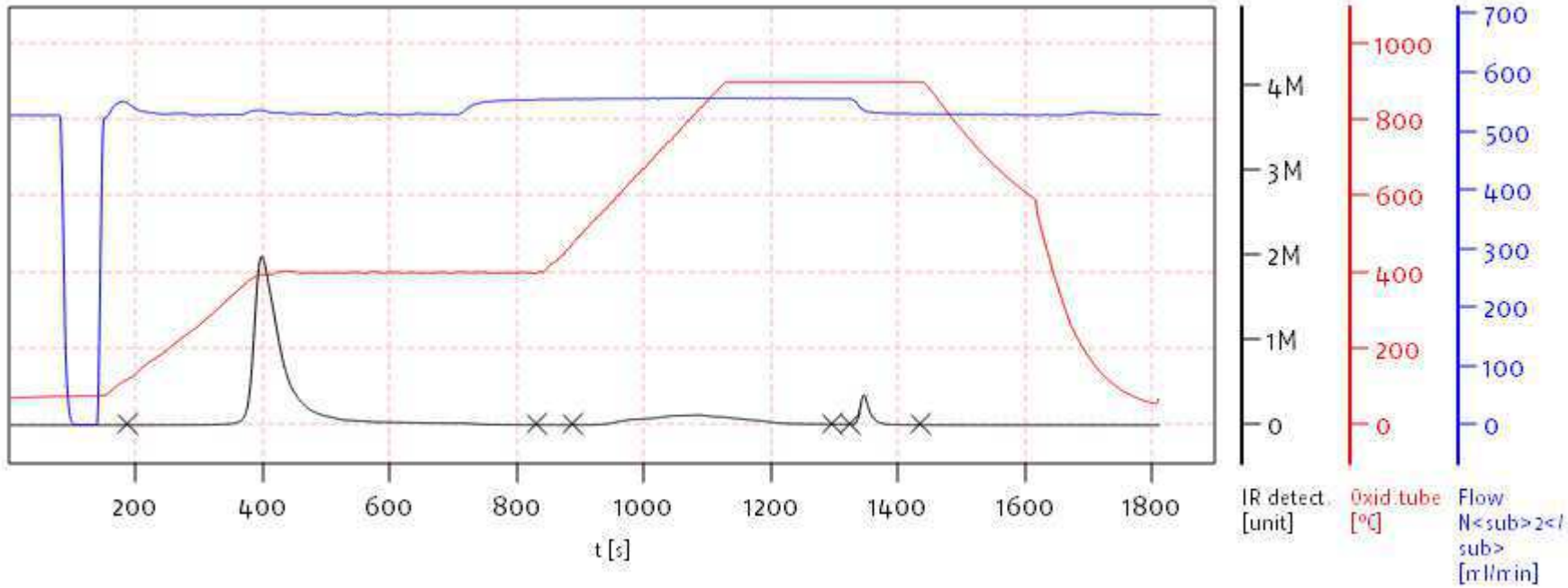
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	22L0383-08	550.00		CARBON	12/29/2022 10:00 PM	bl	1.136	3 931 260	1.369	0.062	245 905	854 228	1.074	0.233	0.9774	1.0000



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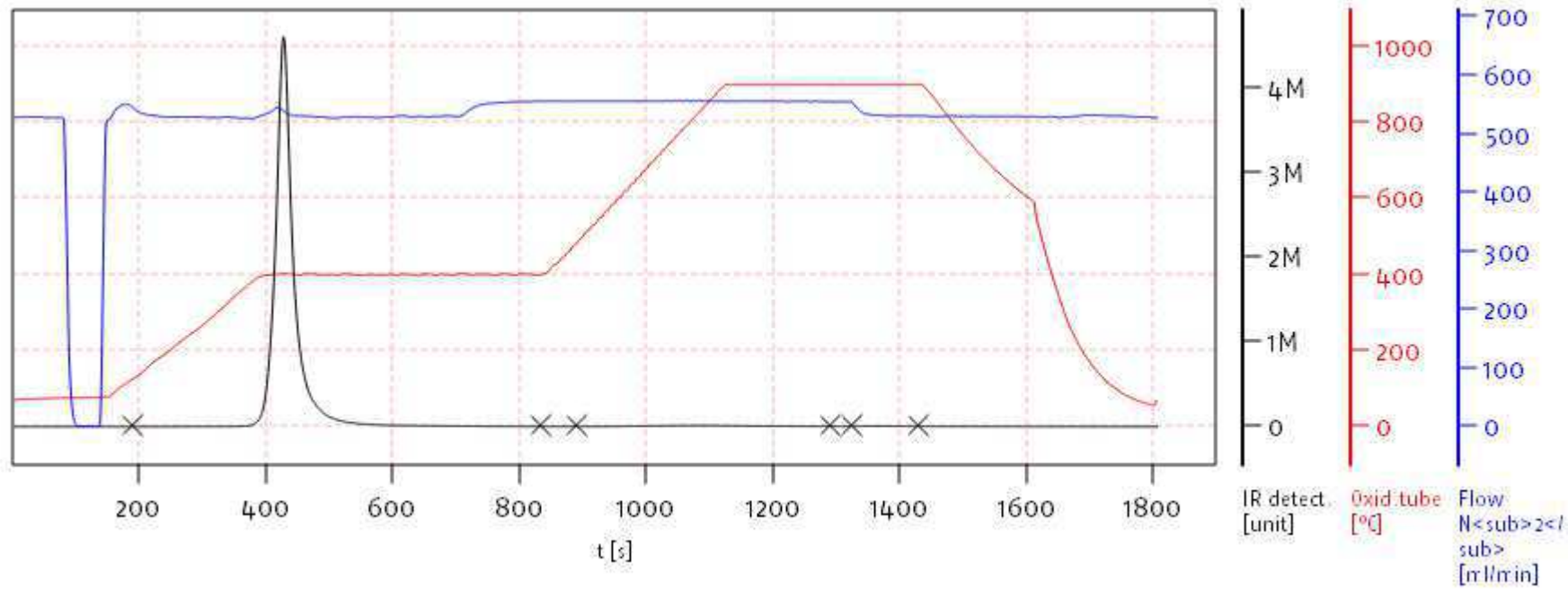
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0336-CCV5	19.20		CARBON	12/29/2022 10:30 PM	bl	45.251	5 768 684	45.852	0.000	20 849	101 047	45.251	0.601	0.9774	1.0000



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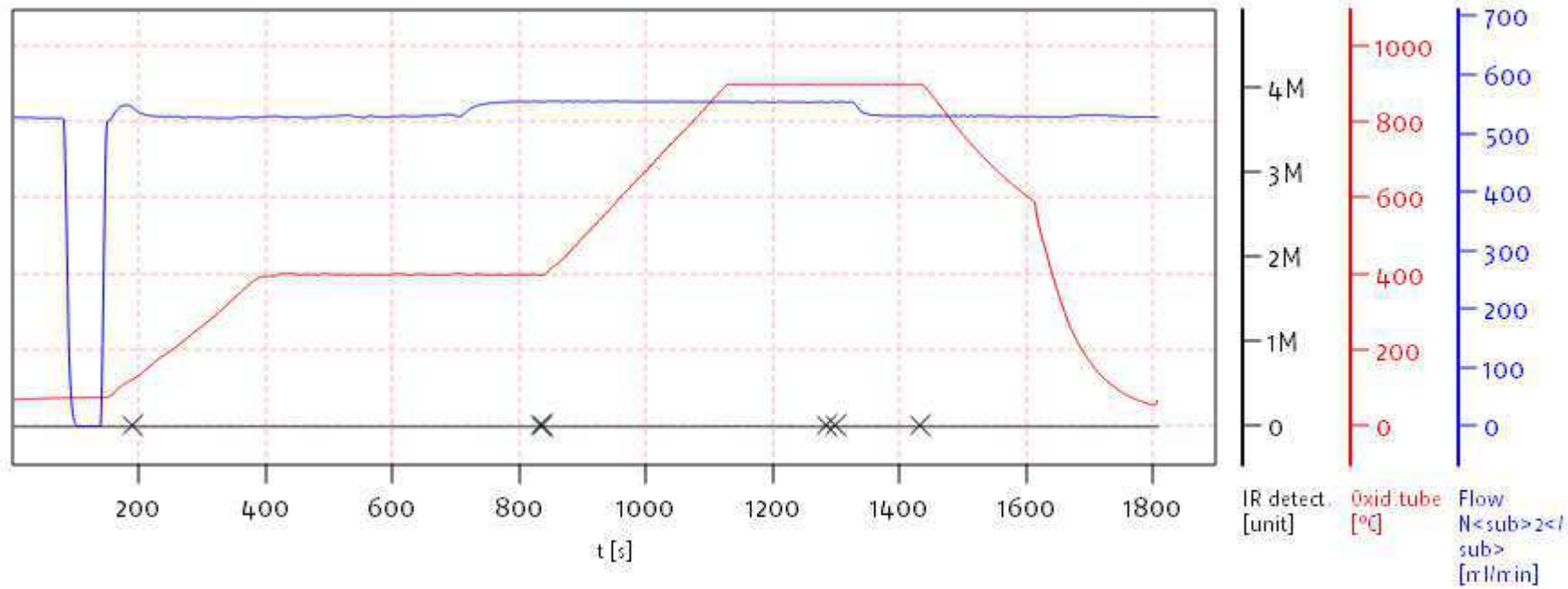
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0336-CCB5	526.20		CARBON	12/29/2022 11:01 PM	bl,C2u	0.000	5 957	0.000	0.000	963	7 715	0.000	0.000	0.9774	1.0000



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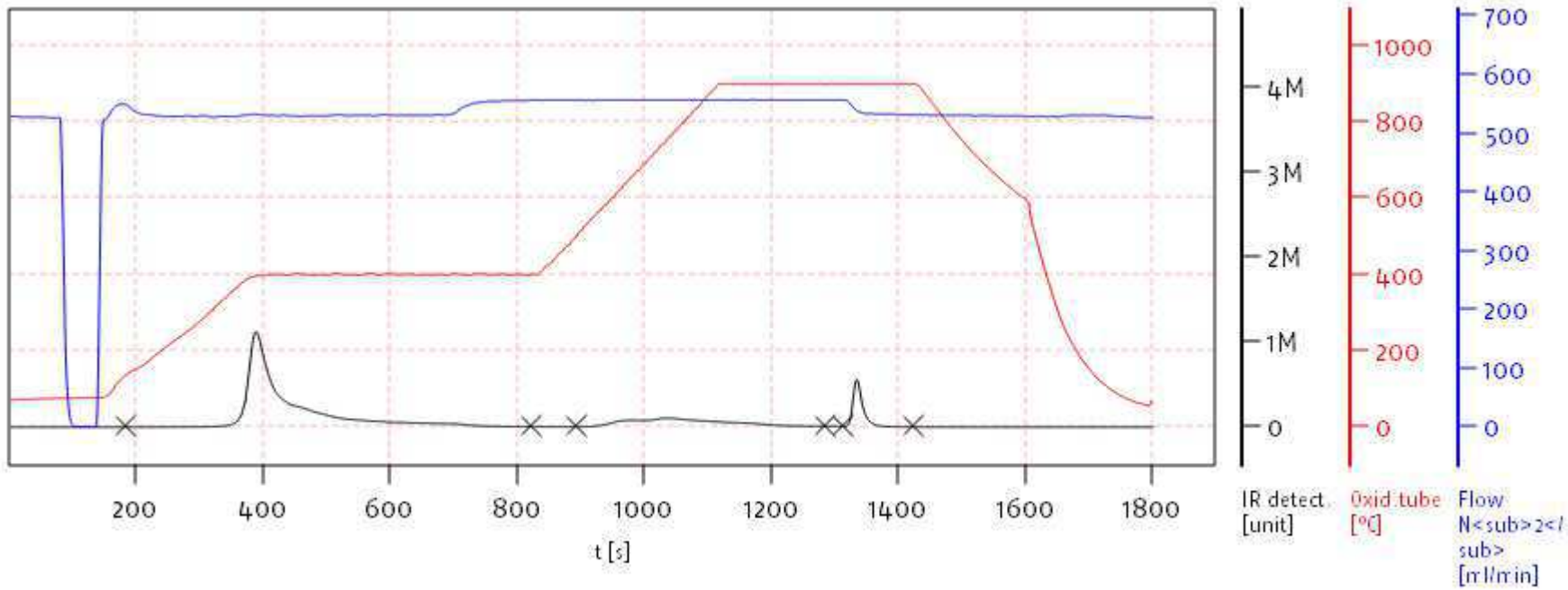
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	22L0417-01	501.80		CARBON	12/29/2022 11:31 PM	bl	0.939	2 776 504	1.160	0.110	381 880	741 948	0.829	0.221	0.9774	1.0000



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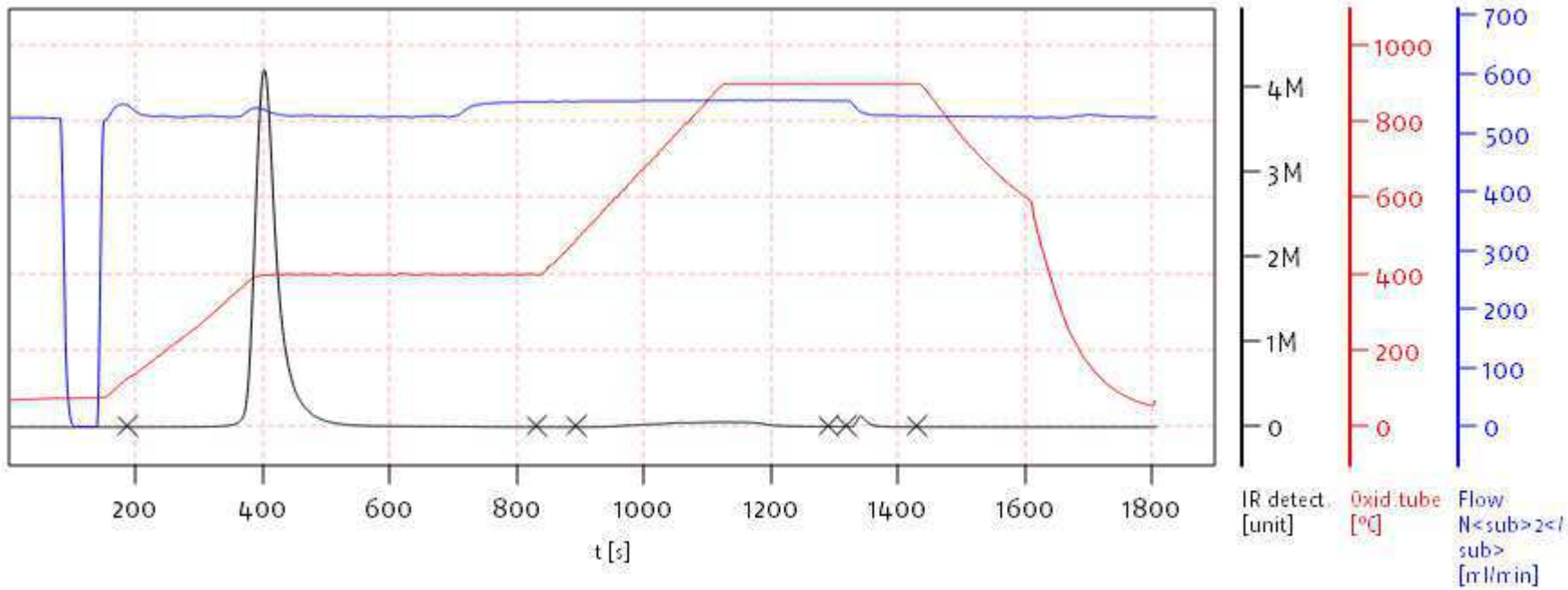
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0417-02	525.70		CARBON	12/30/2022 12:02 AM	bl	1.908	6 581 365	2.030	0.021	97 977	441 929	1.887	0.122	0.9774	1.0000



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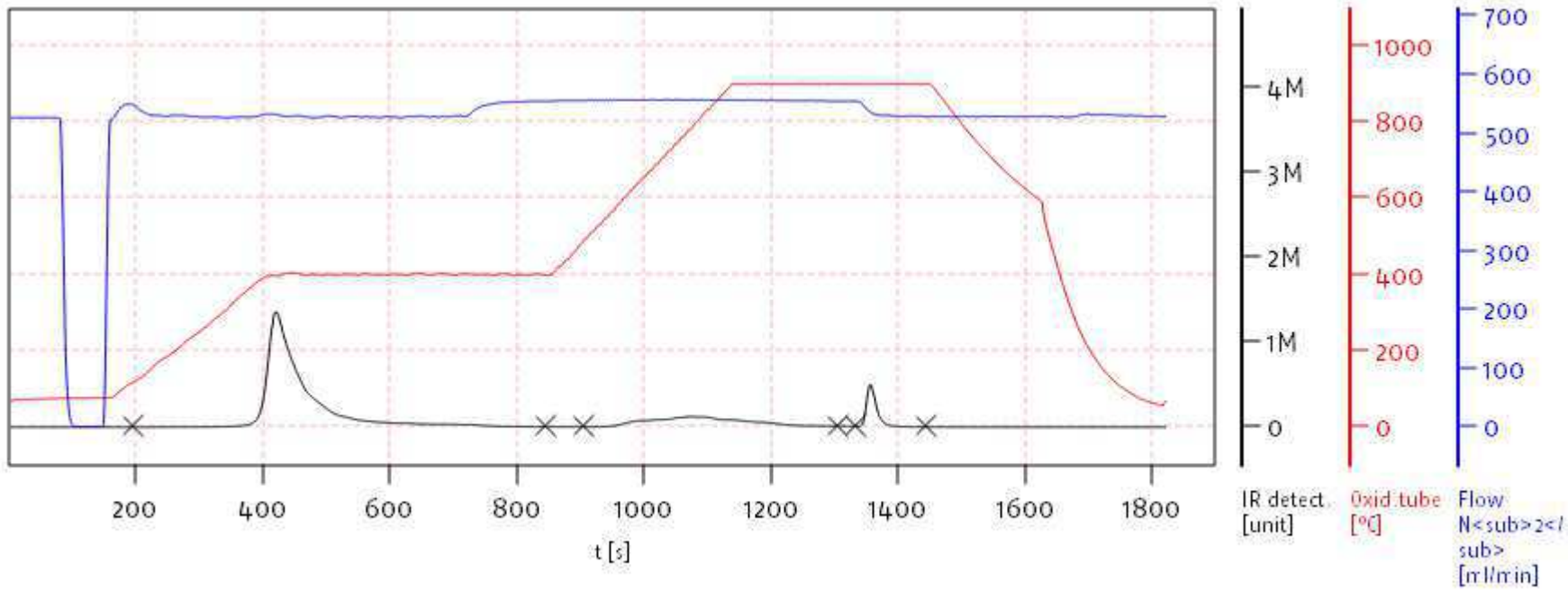
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0417-03	525.80		CARBON	12/30/2022 12:33 AM	bl	1.036	3 293 495	1.282	0.096	352 622	862 415	0.940	0.246	0.9774	1.0000



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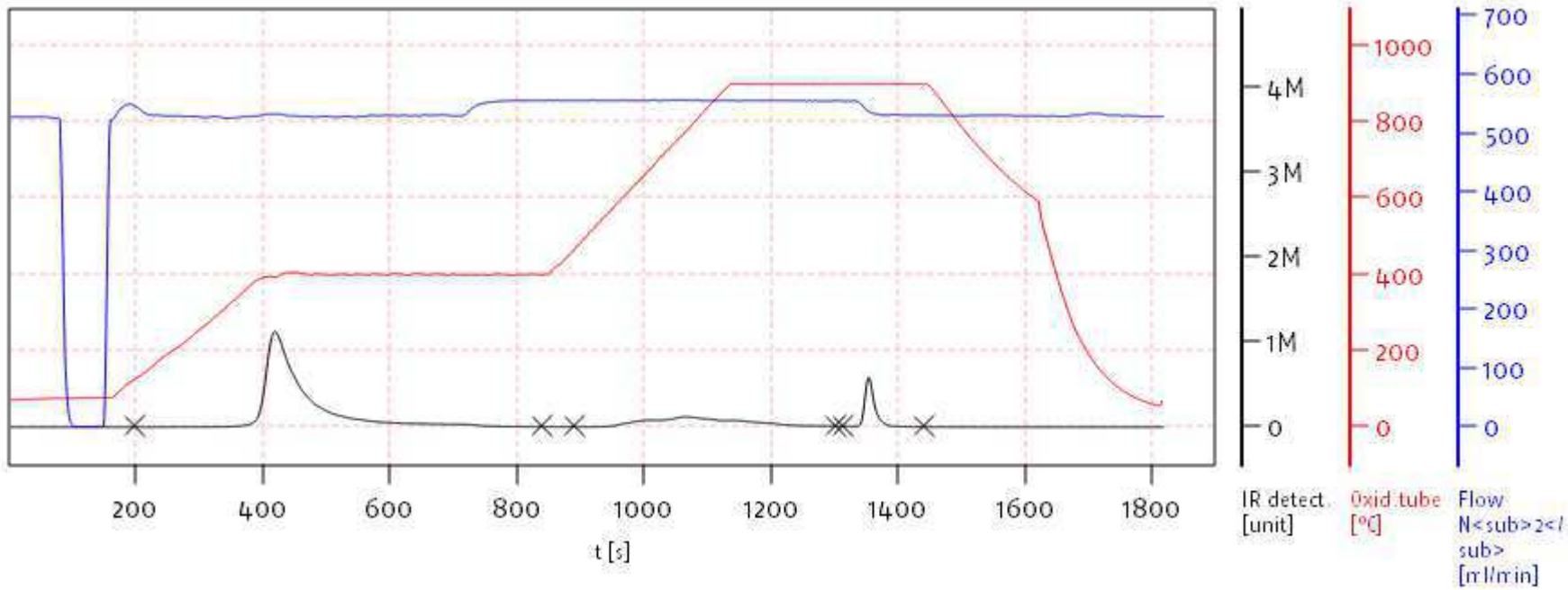
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0417-04	510.20		CARBON	12/30/2022 1:03 AM	bl	0.981	2 945 531	1.218	0.115	405 637	807 116	0.866	0.237	0.9774	1.0000



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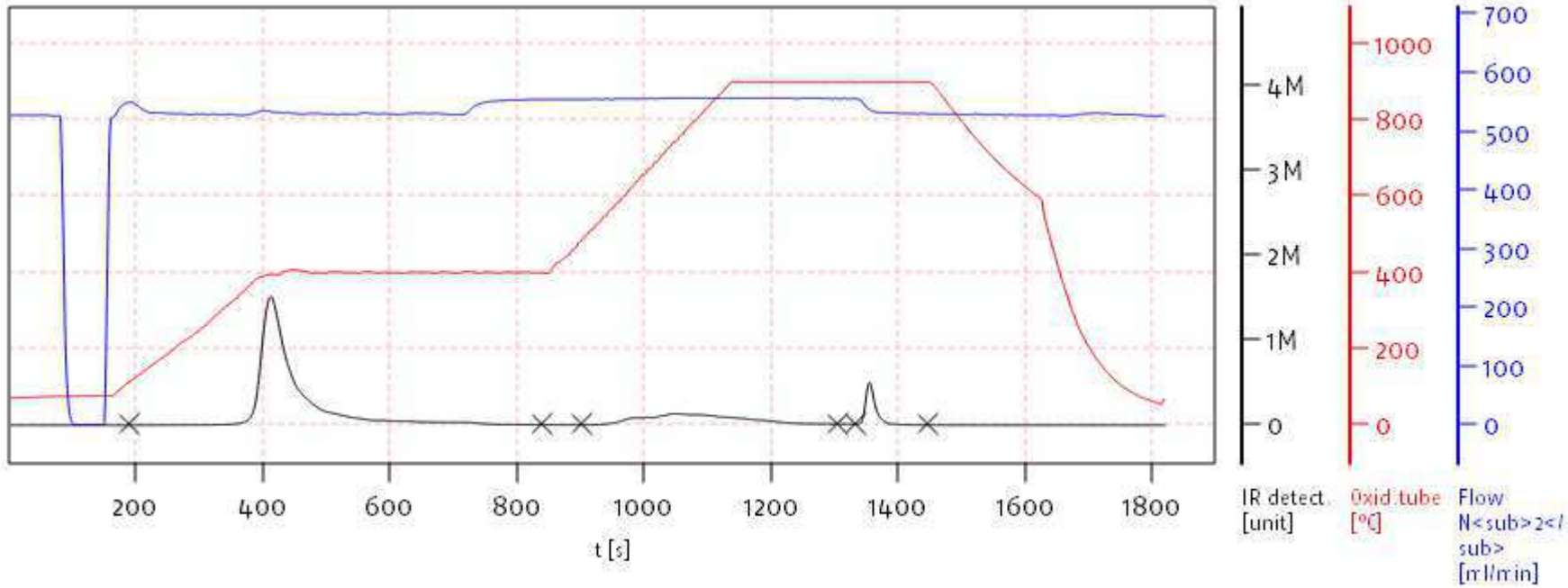
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0417-05	537.20		CARBON	12/30/2022 1:34 AM	bl	1.063	3 475 552	1.333	0.092	345 430	963 171	0.971	0.270	0.9774	1.0000



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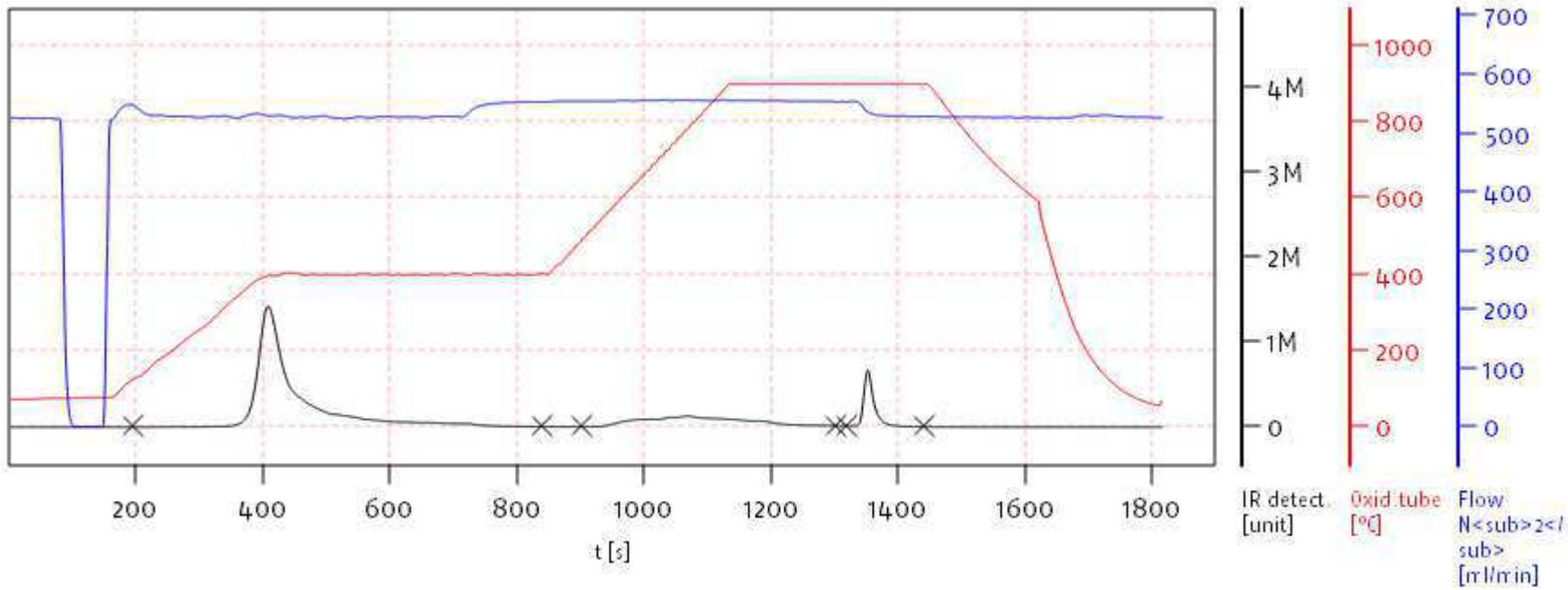
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	22L0417-06	536.00		CARBON	12/30/2022 2:05 AM	bl	1.120	3 528 412	1.394	0.132	482 377	973 695	0.989	0.274	0.9774	1.0000



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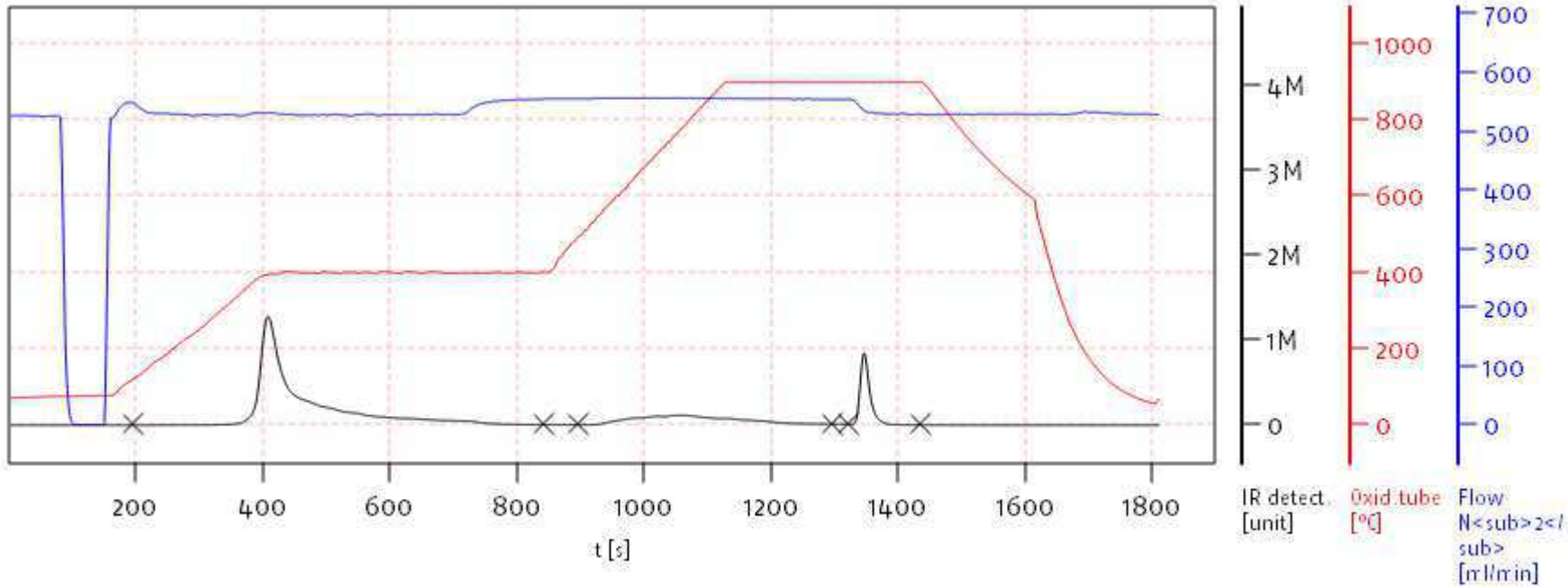
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	22L0417-07	522.50		CARBON	12/30/2022 2:35 AM	bl	1.088	3 227 152	1.338	0.161	571 561	870 140	0.927	0.250	0.9774	1.0000



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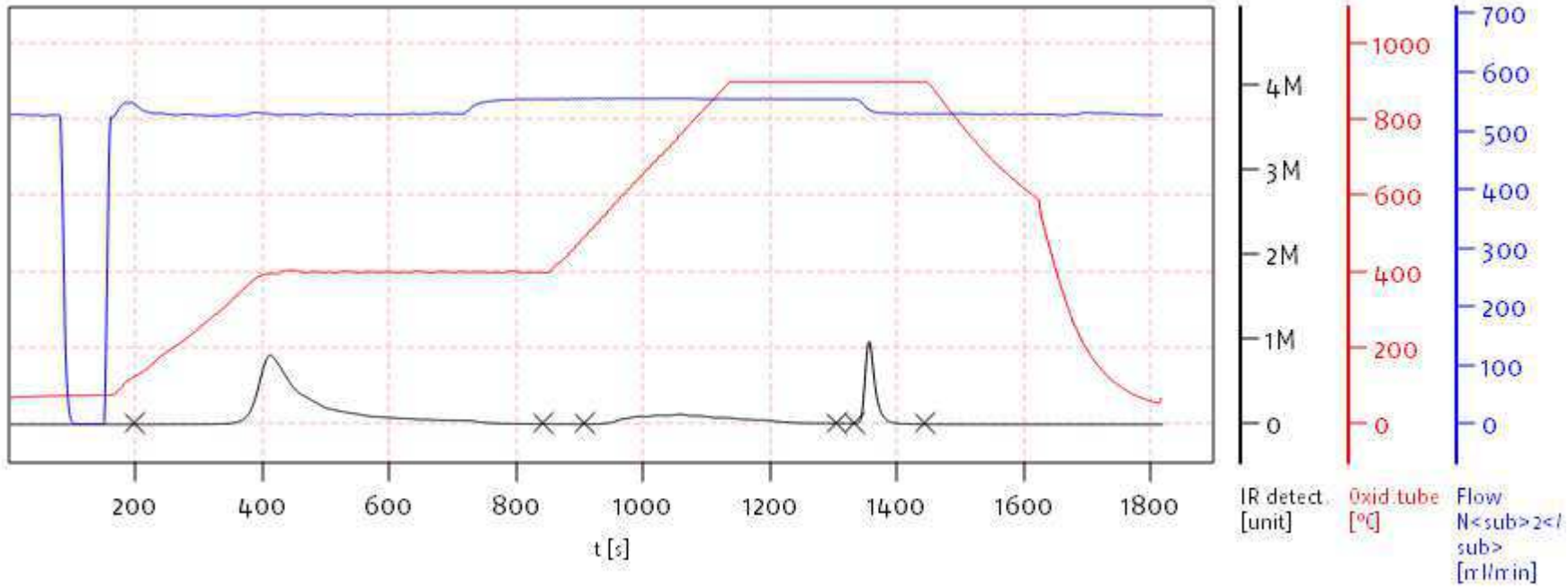
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	22L0417-08	514.40		CARBON	12/30/2022 3:06 AM	bl	1.060	2 953 173	1.313	0.199	688 000	868 121	0.861	0.253	0.9774	1.0000



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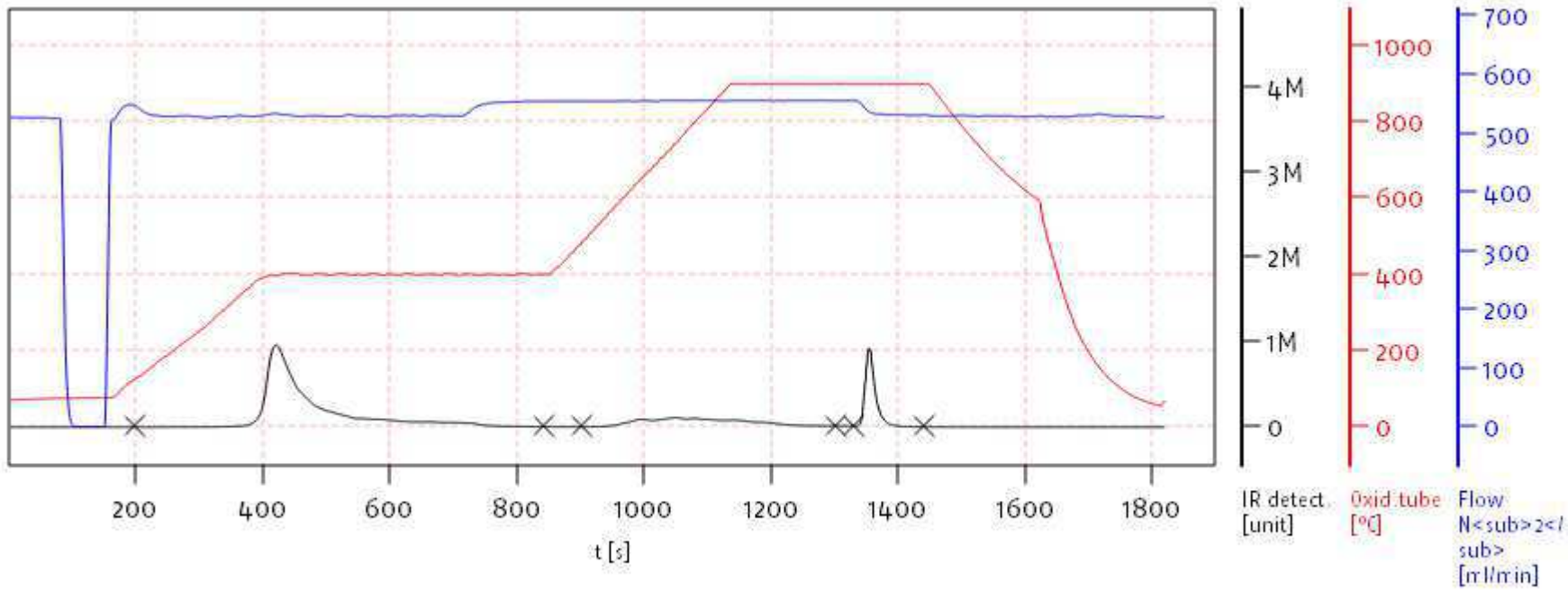
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	22L0417-09	556.60		CARBON	12/30/2022 3:37 AM	bl	0.946	2 861 405	1.171	0.175	656 235	836 164	0.771	0.225	0.9774	1.0000



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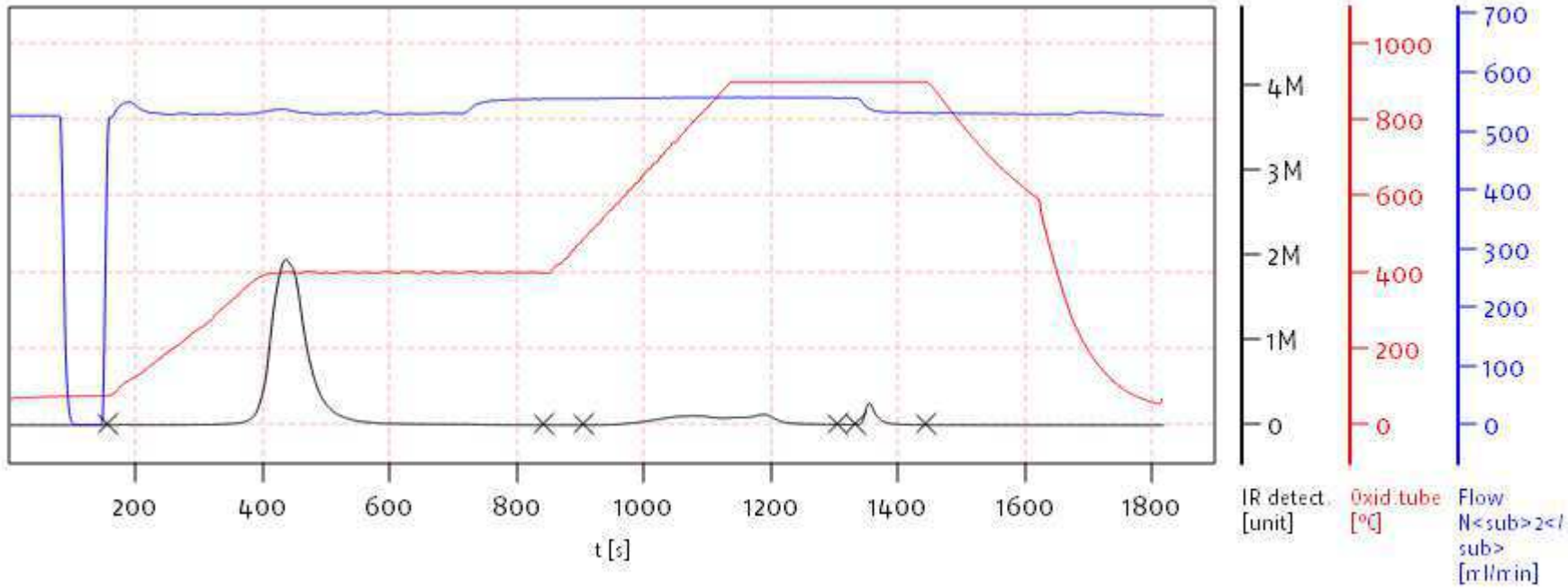
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0492-17	516.20		CARBON	12/30/2022 4:07 AM	bl	1.479	4 882 583	1.722	0.056	211 950	836 440	1.423	0.243	0.9774	1.0000



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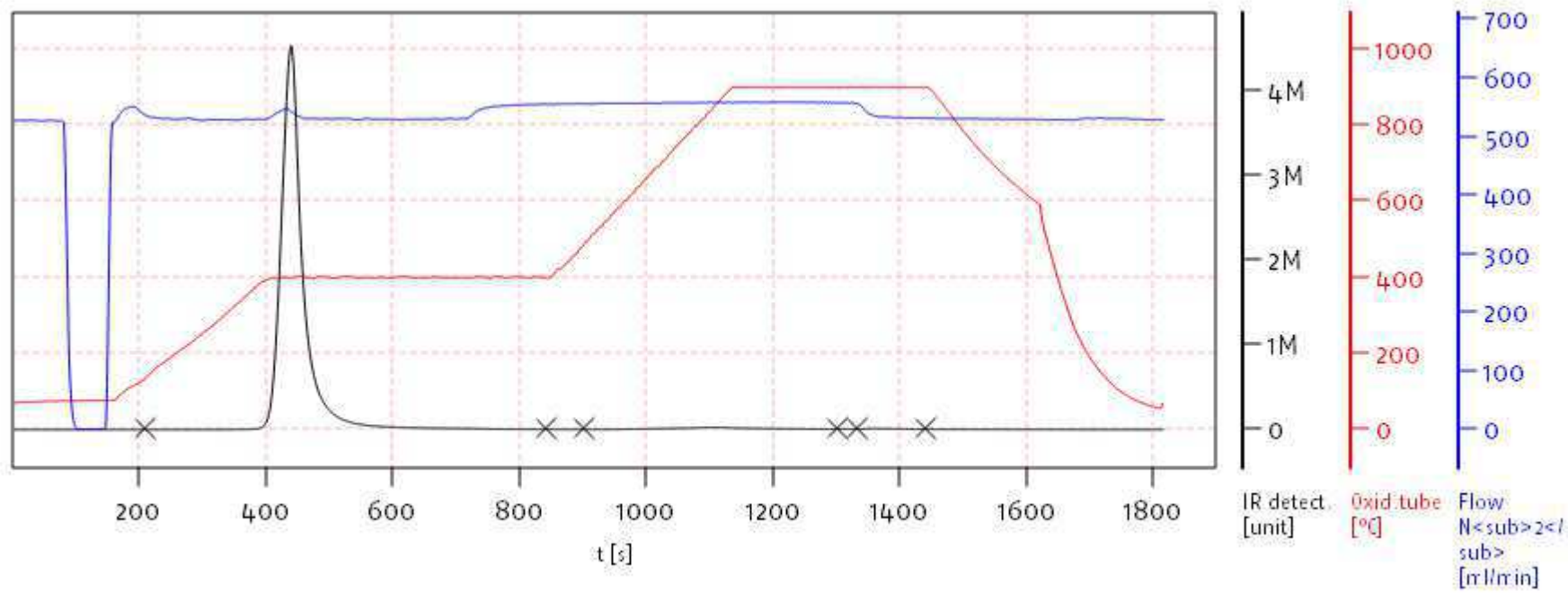
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0336-CCV6	22.50		CARBON	12/30/2022 4:38 AM	bl	45.006	6 712 219	45.991	0.047	33 362	169 589	44.959	0.984	0.9774	1.0000



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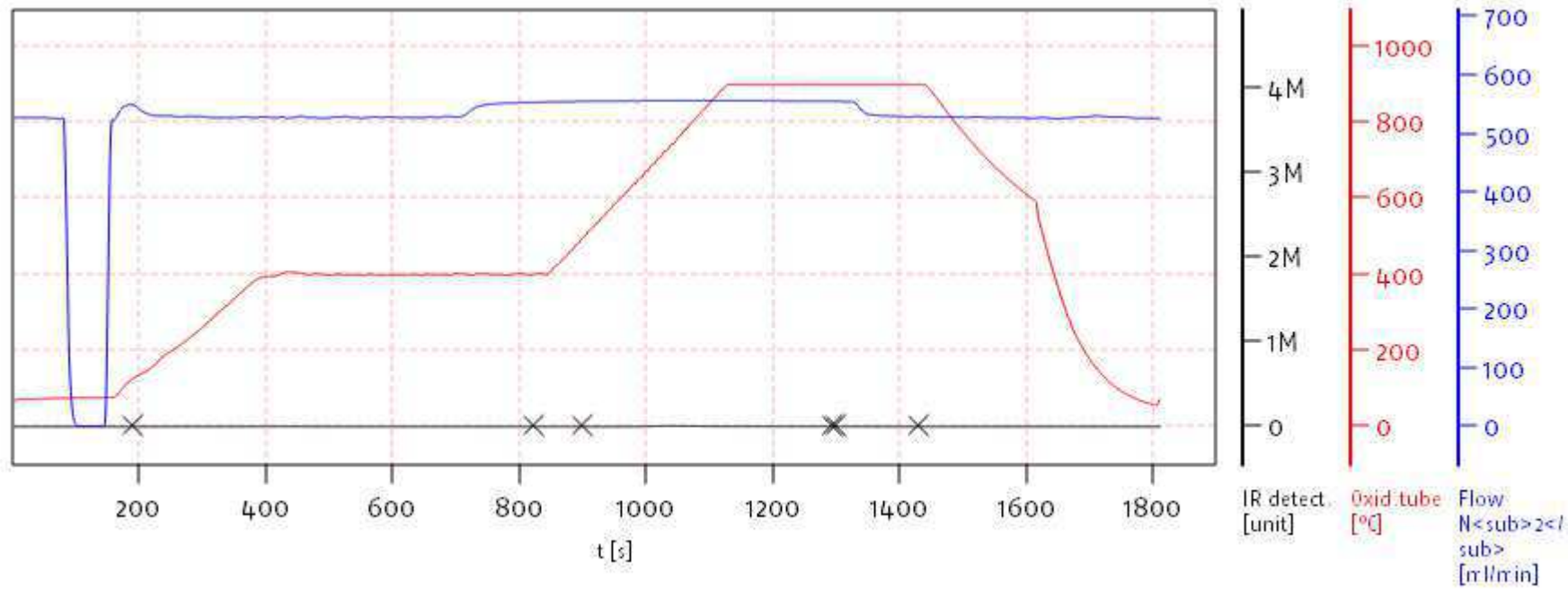
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0336-CCB6	508.40		CARBON	12/30/2022 5:09 AM	bl	0.000	9 608	0.004	0.000	3 866	39 806	0.000	0.004	0.9774	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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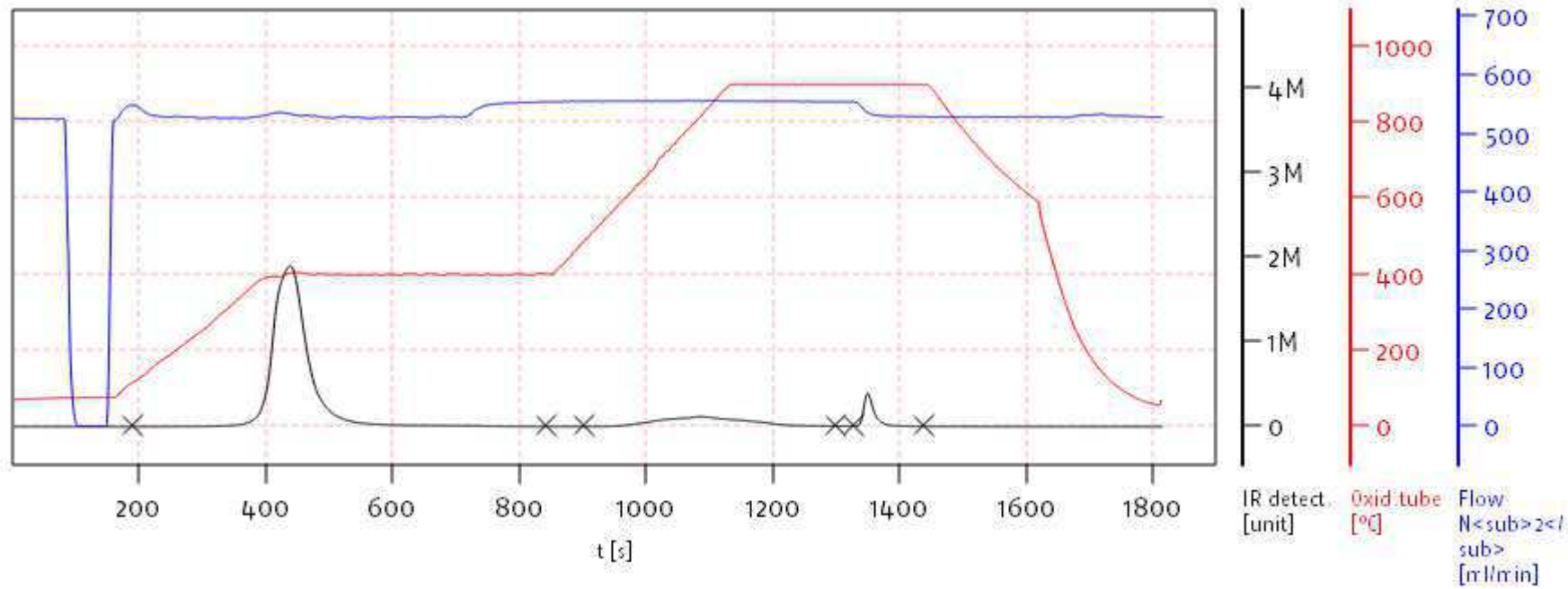
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	BKL0599-DUP2	538.20		CARBON	12/30/2022 5:39 AM	bl	1.340	4 525 617	1.540	0.075	287 997	721 652	1.265	0.200	0.9774	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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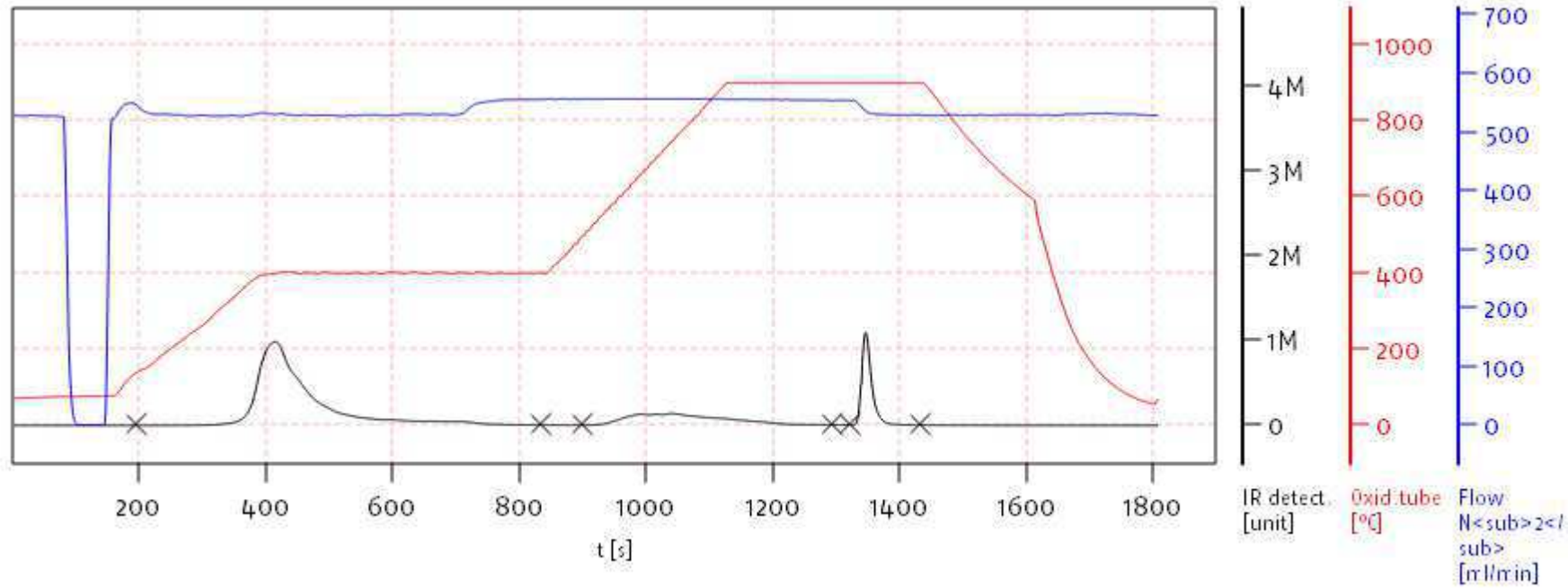
Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	BKL0599-DUP3	512.60		CARBON	12/30/2022 6:10 AM	bl	1.239	3 475 726	1.518	0.221	758 207	951 296	1.018	0.279	0.9774	1.0000



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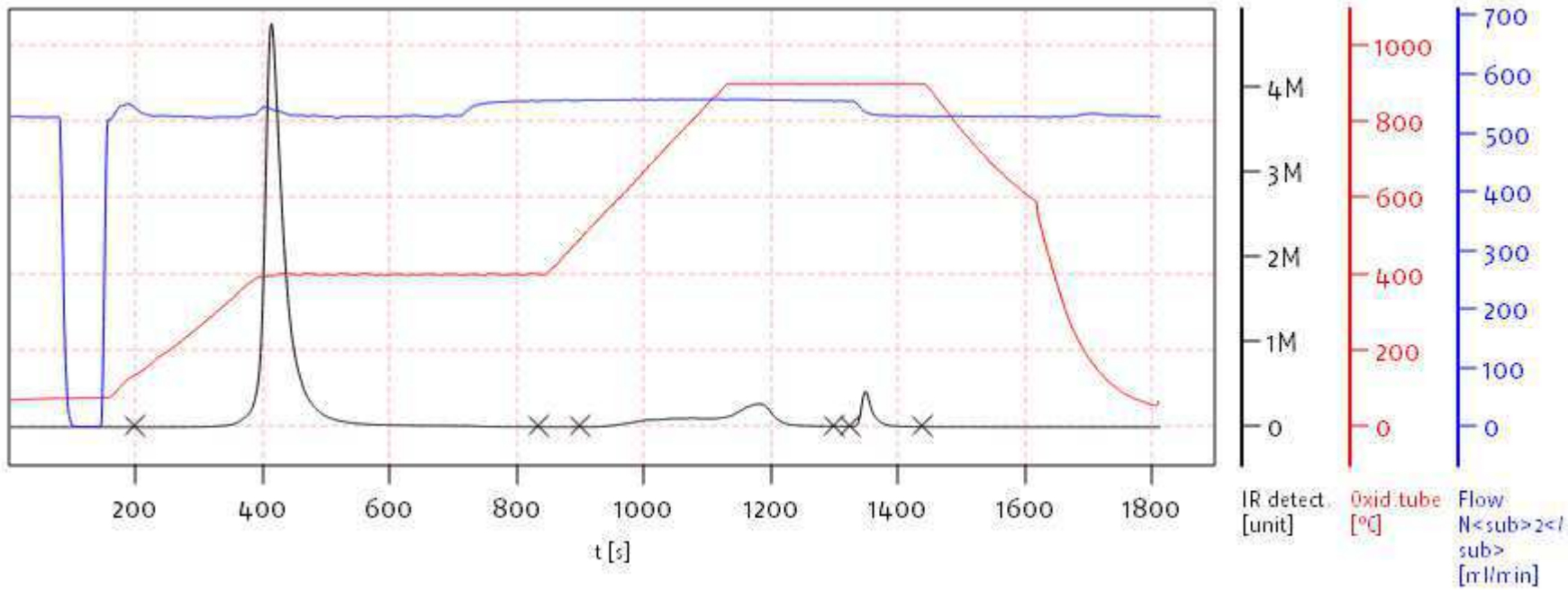
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	BKL0599-MS2	530.50	0.0074	CARBON	12/30/2022 6:40 AM	bl	2.009	6 762 198	2.370	0.088	327 572	1 263 888	1.921	0.361	0.9774	1.0000



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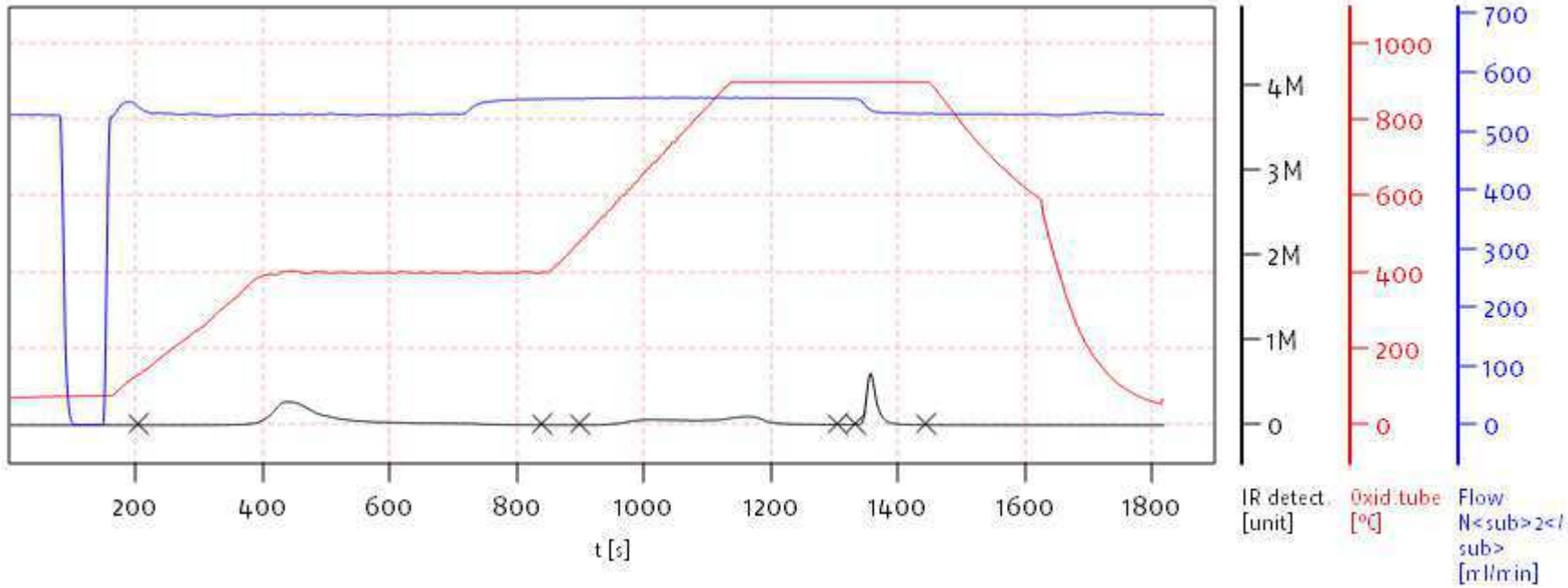
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0492-18	500.40		CARBON	12/30/2022 7:11 AM	bl	0.448	1 096 735	0.635	0.125	429 558	631 029	0.324	0.187	0.9774	1.0000



Name:

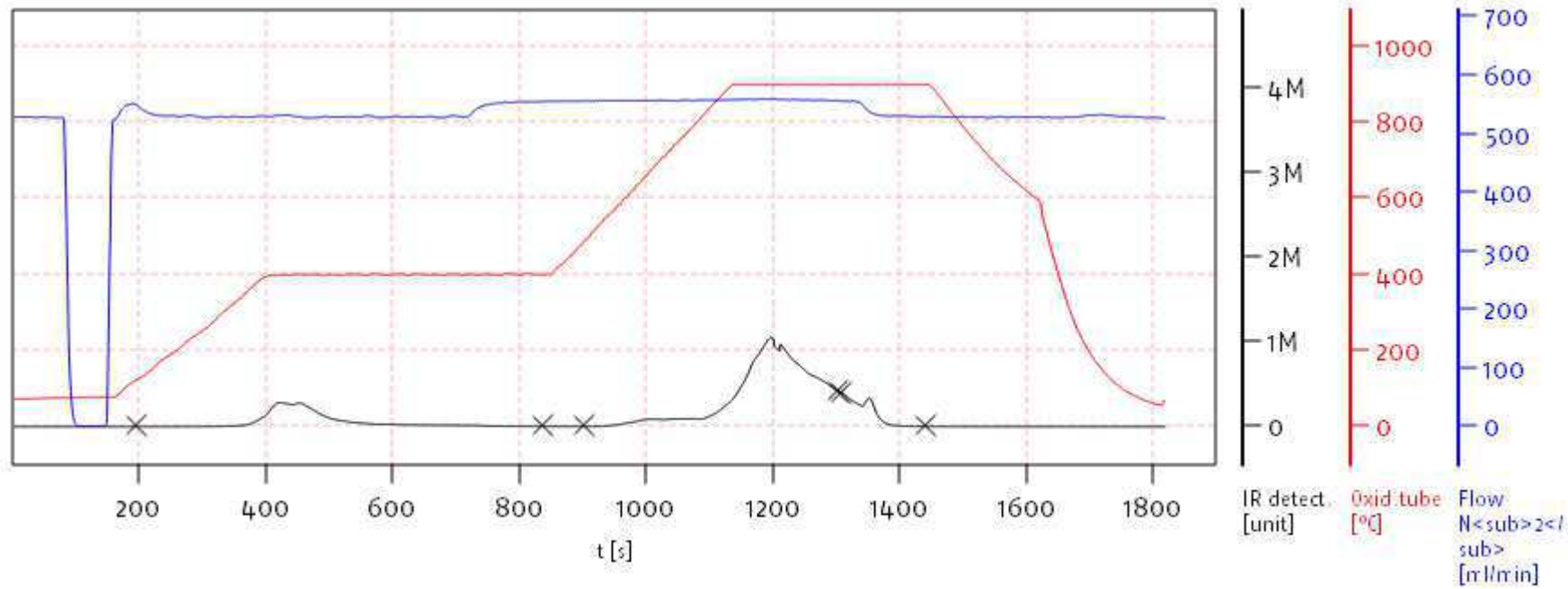
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22K0328-20RE1	542.00		CARBON	12/30/2022 7:42 AM	bl	0.526	1 230 274	1.984	0.190	690 477	5 131 194	0.336	1.458	0.9774	1.0000



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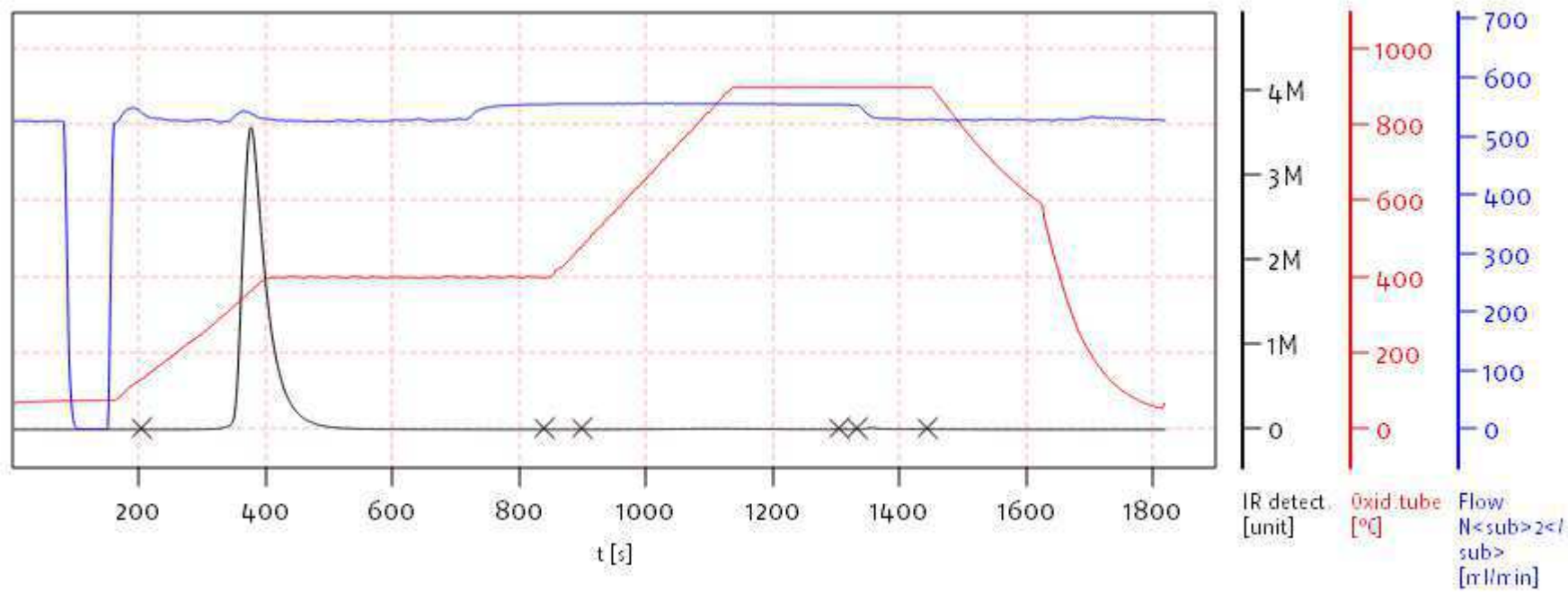
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22K0447-01RE1	209.80		CARBON	12/30/2022 8:12 AM	bl	4.260	5 933 259	4.288	0.000	26 832	63 908	4.260	0.028	0.9774	1.0000



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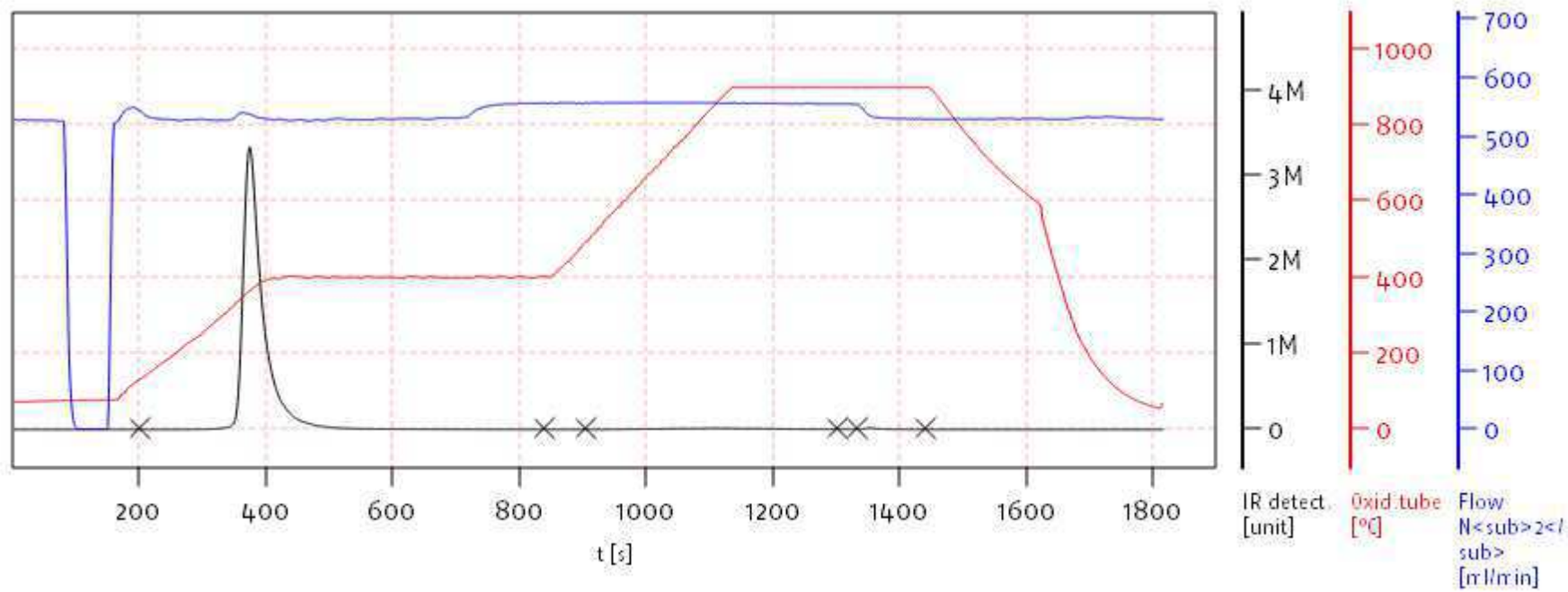
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22K0447-02RE1	194.10		CARBON	12/30/2022 8:43 AM	bl	3.497	4 512 574	3.560	0.000	19 897	105 295	3.497	0.063	0.9774	1.0000



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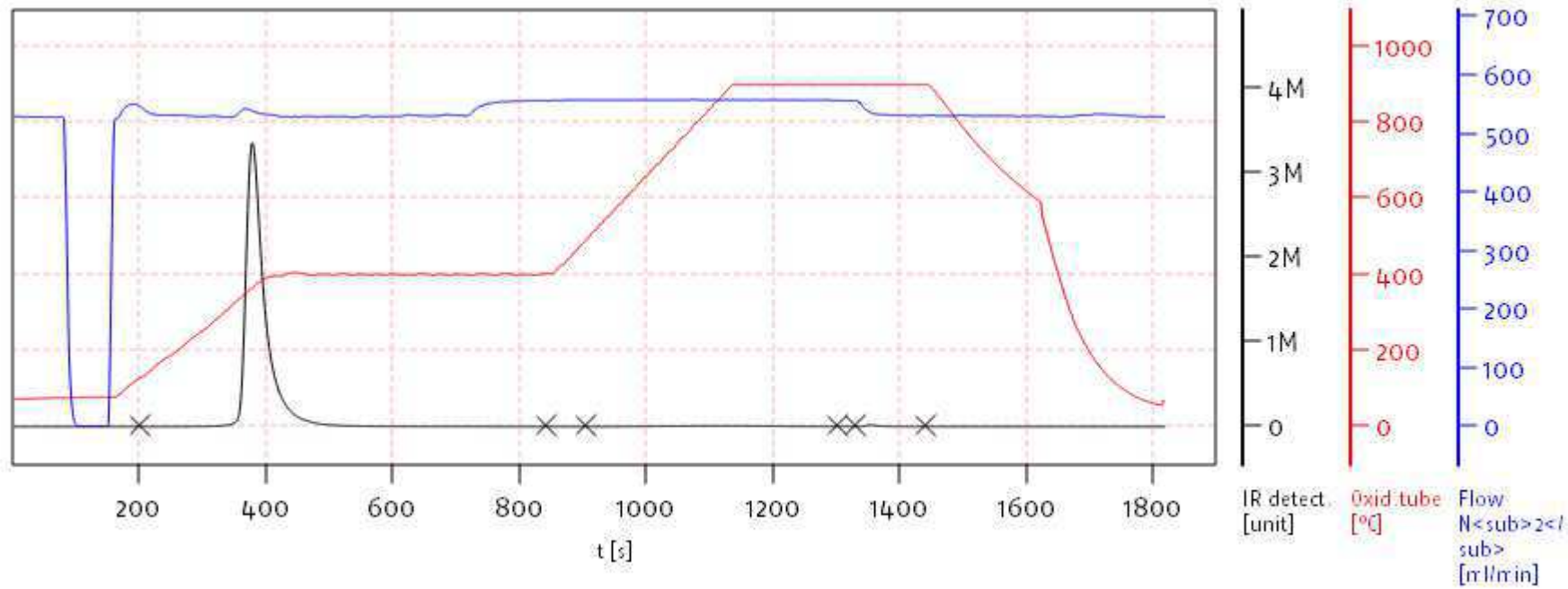
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0137-17RE1	213.20		CARBON	12/30/2022 9:14 AM	bl	3.048	4 320 825	3.080	0.000	17 875	70 526	3.048	0.032	0.9774	1.0000



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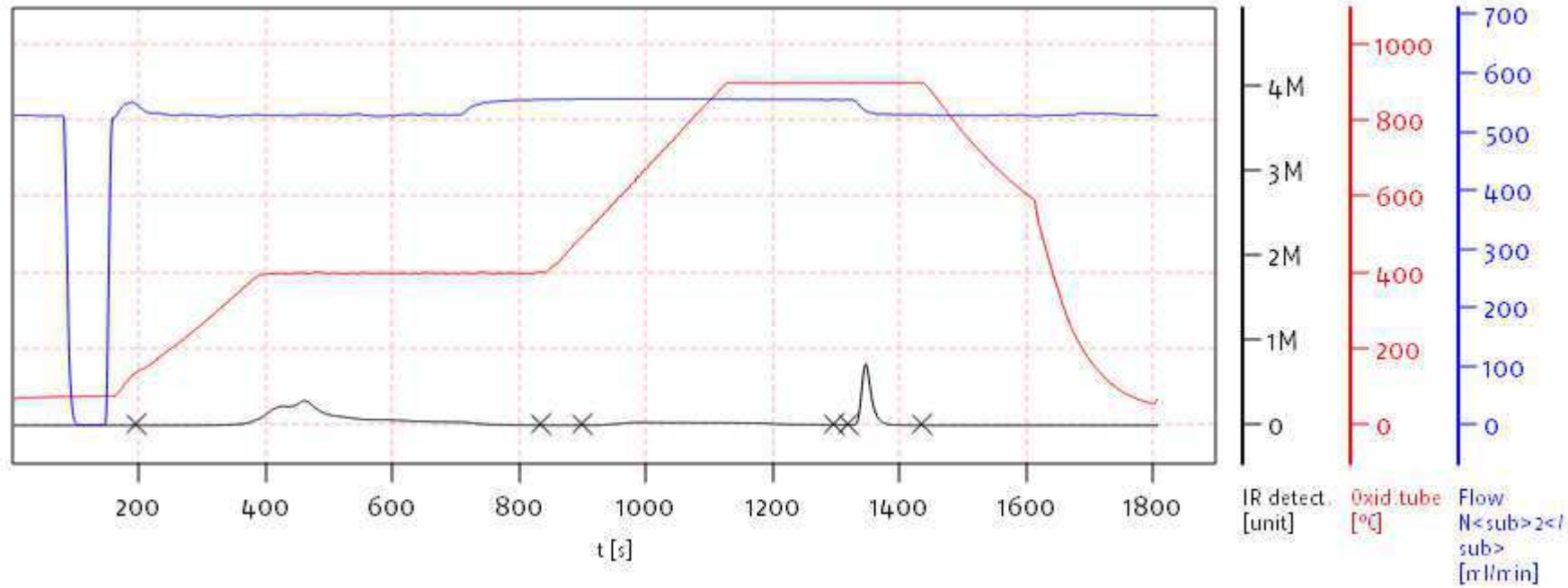
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	BKL0503-DUP2	503.30		CARBON	12/30/2022 9:44 AM	bl	0.573	1 451 063	0.664	0.144	495 993	323 969	0.428	0.091	0.9774	1.0000



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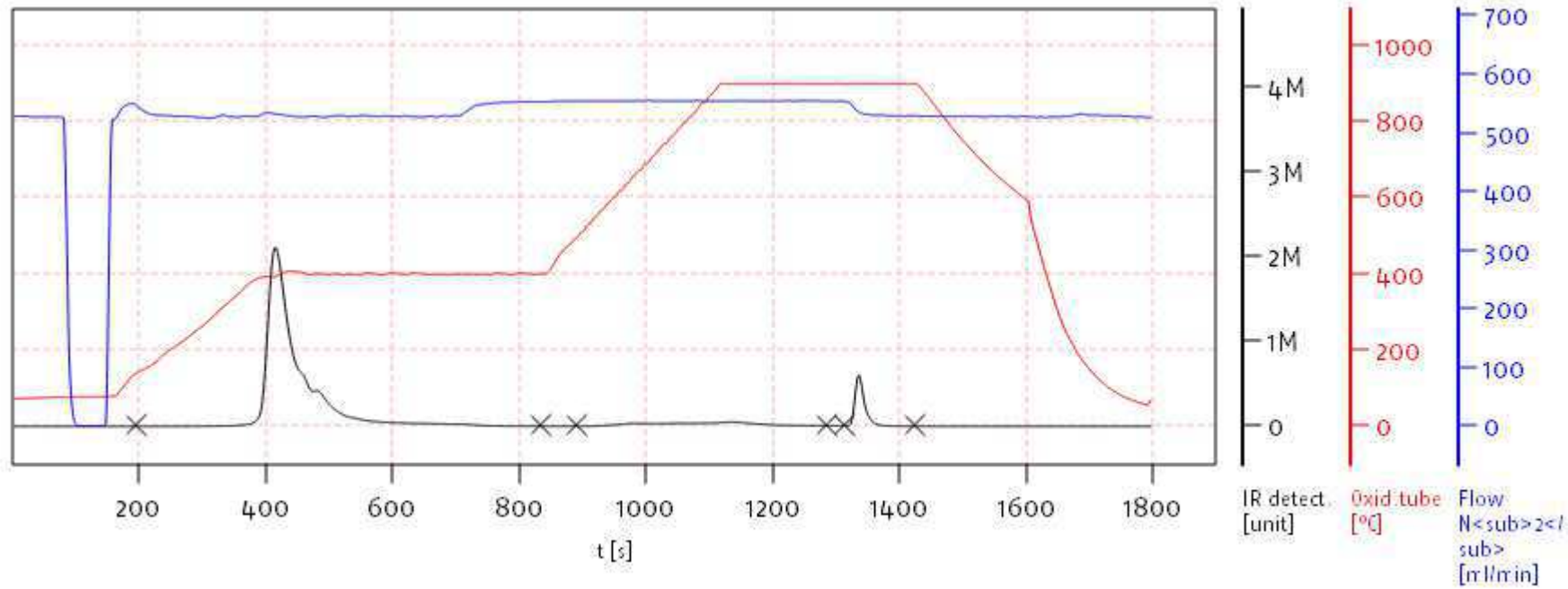
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	BKL0503-MS2	511.80	0.0081	CARBON	12/30/2022 10:15 AM	bl	1.378	4 302 208	1.483	0.114	402 234	375 823	1.264	0.106	0.9774	1.0000



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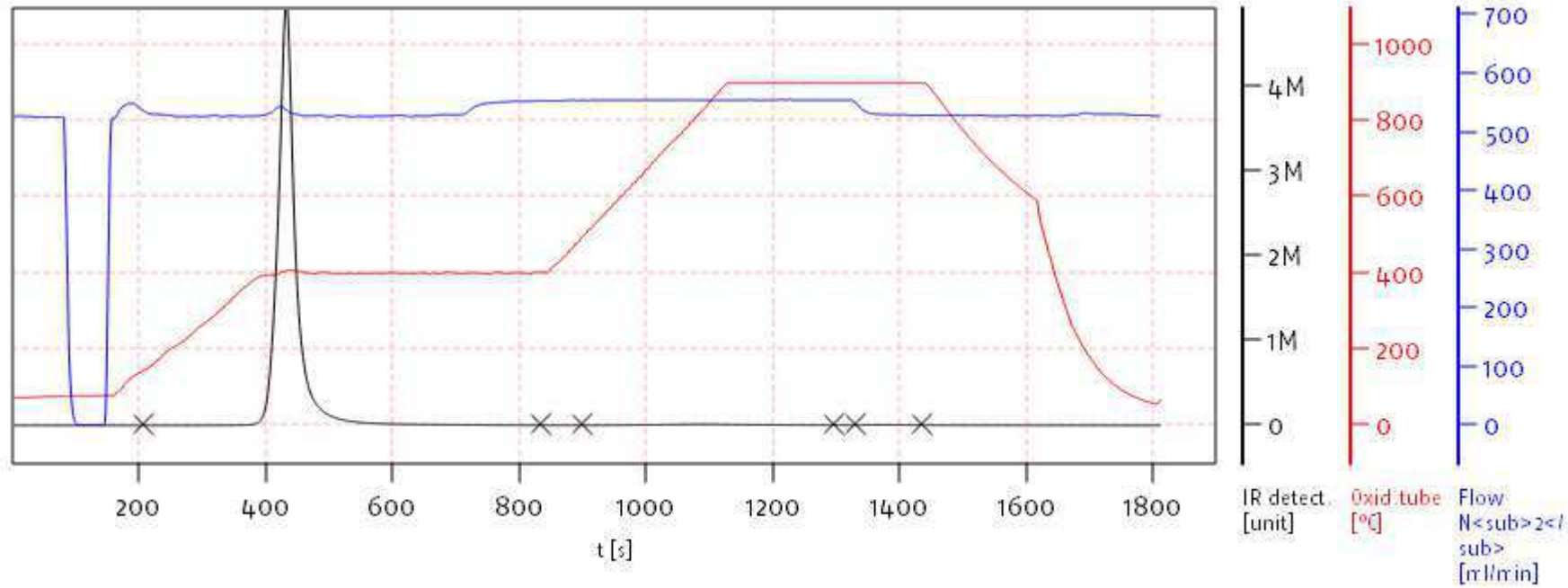
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0336-CCV7	19.80		CARBON	12/30/2022 10:45 AM	bl	46.118	6 061 556	46.639	0.000	19 488	93 189	46.118	0.521	0.9774	1.0000



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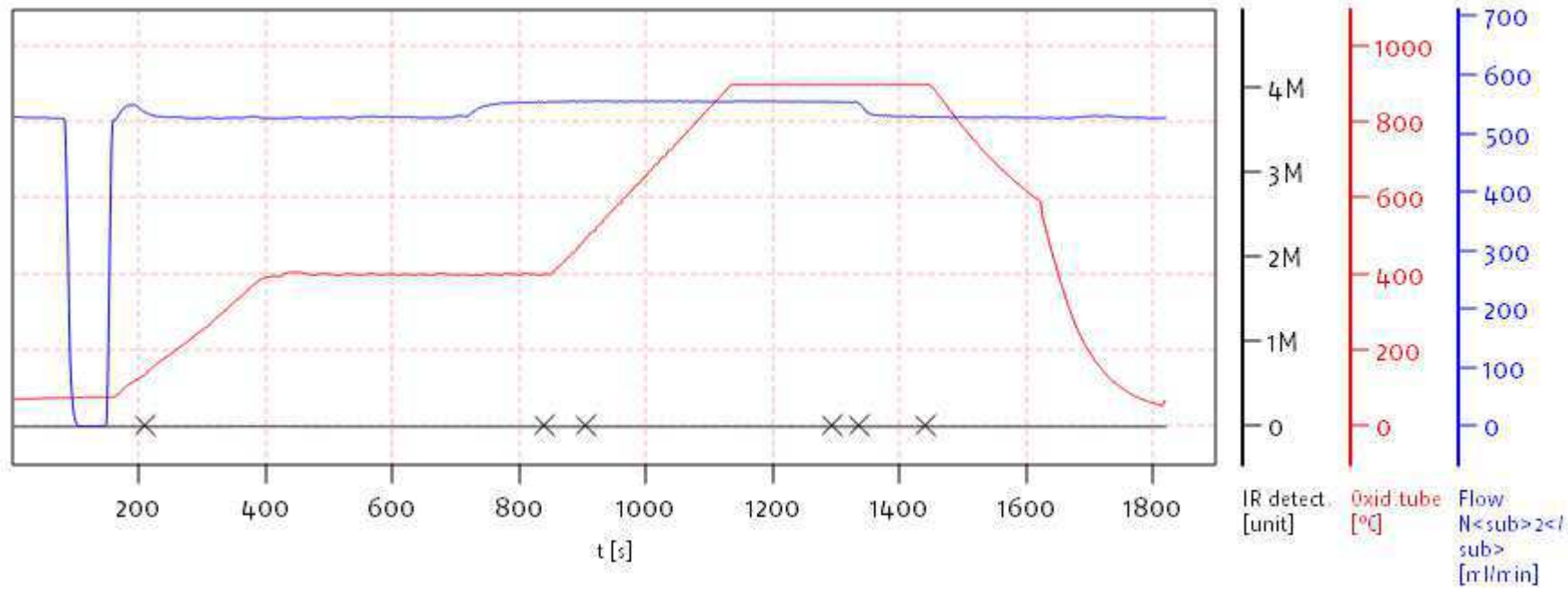
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0336-CCB7	527.20		CARBON	12/30/2022 11:16 AM	bl,C2u	0.000	9 254	0.000	0.000	702	4 532	0.000	0.000	0.9774	1.0000



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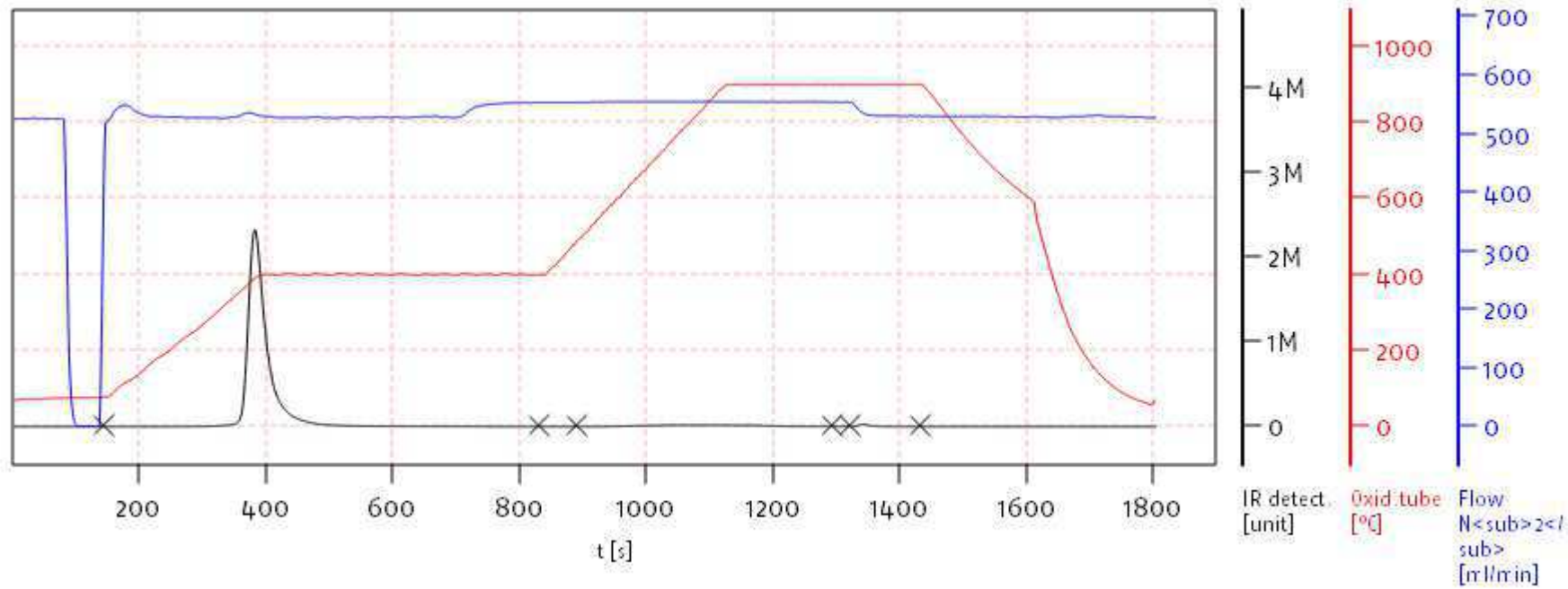
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
90	1	22L0246-32RE1	201.00		CARBON	12/30/2022 11:47 AM	bl	2.232	2 991 164	2.320	0.000	22 517	141 451	2.232	0.089	0.9774	1.0000



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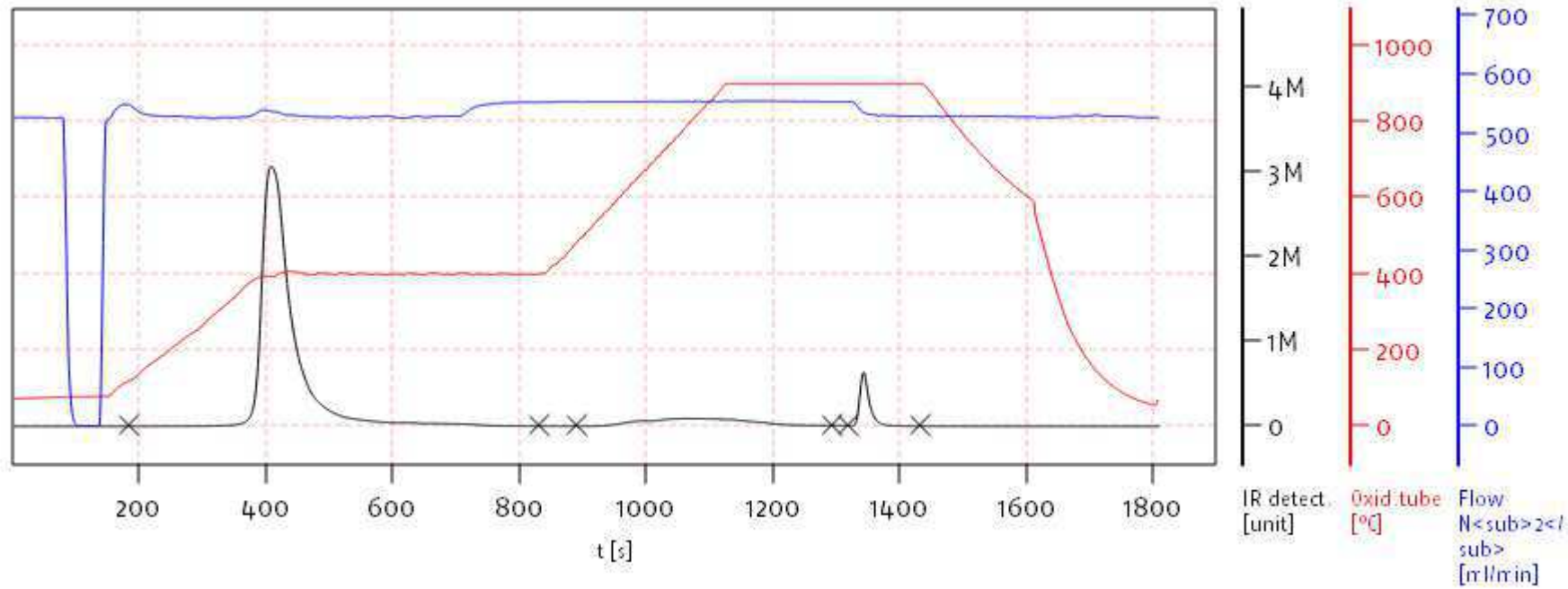
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
91	2	BKL0385-MS2	508.50	0.0084	CARBON	12/30/2022 12:17 PM	bl	2.025	6 424 375	2.236	0.122	425 995	719 774	1.904	0.211	0.9774	1.0000



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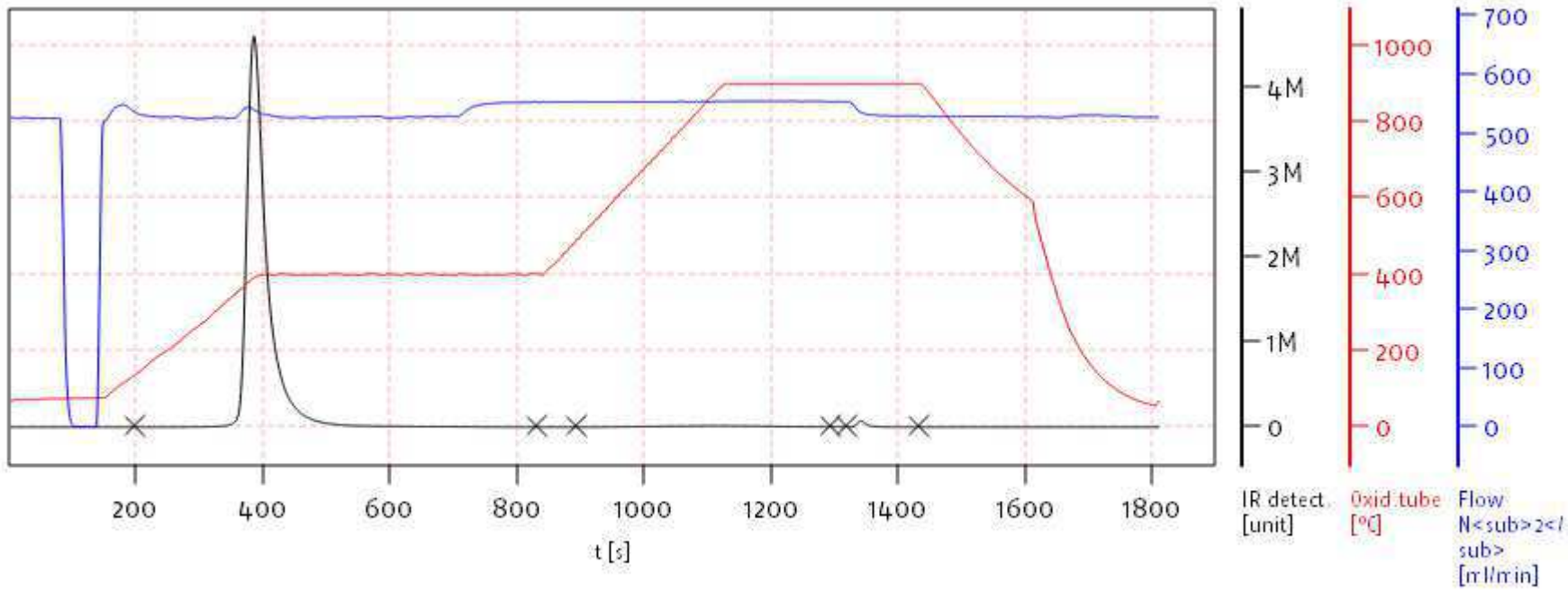
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
92	3	BKL0300-MS2	203.00	0.0085	CARBON	12/30/2022 12:48 PM	bl	4.684	6 287 310	4.749	0.017	49 399	111 420	4.666	0.065	0.9774	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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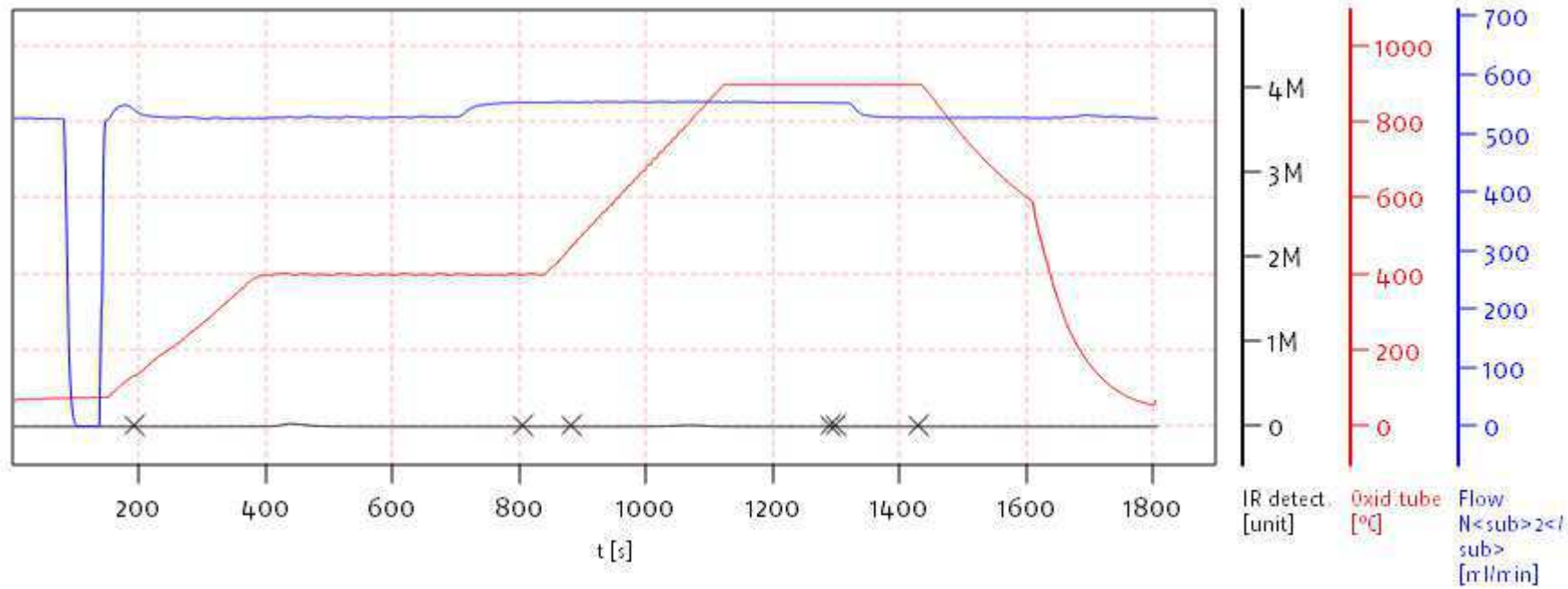
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
93	4	BKL0650-MRL1	505.40		CARBON	12/30/2022 1:18 PM	bl,C2u	0.013	69 320	0.016	0.000	612	36 409	0.013	0.003	0.9774	1.0000



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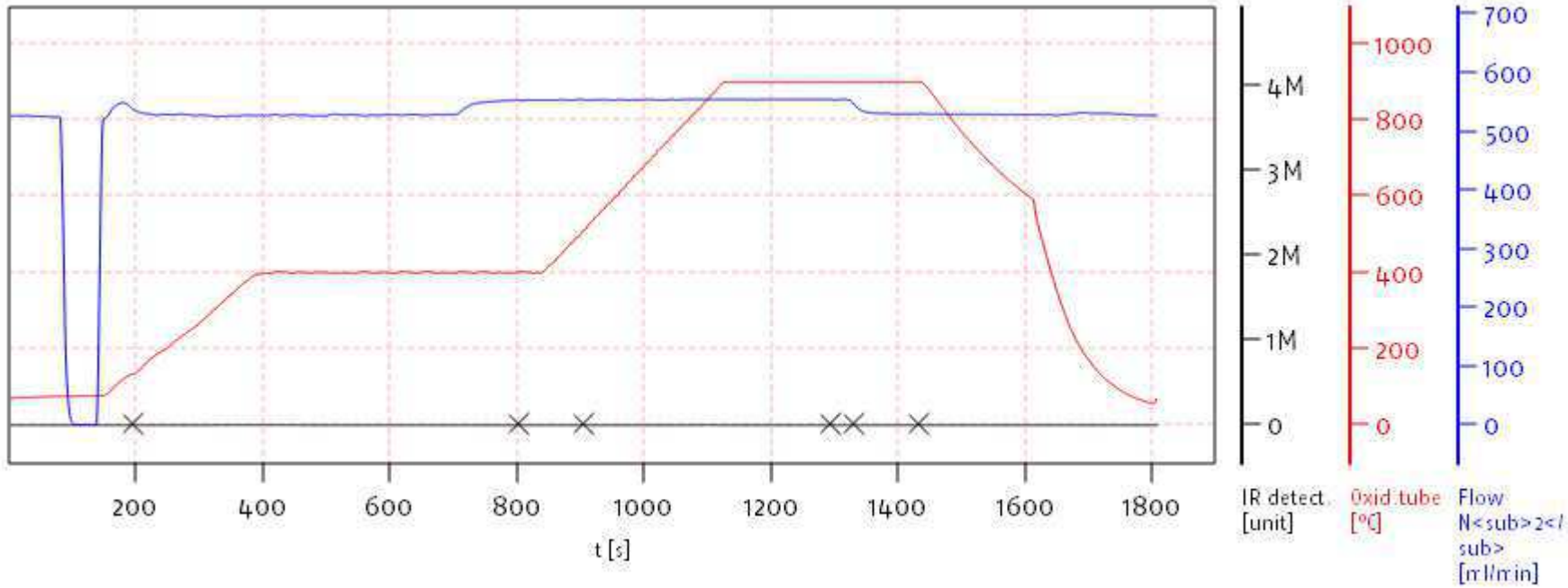
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
94	5	BKL0650-BLK1	516.90		CARBON	12/30/2022 1:49 PM	bl,C2u	0.000	10 665	0.000	0.000	474	4 779	0.000	0.000	0.9774	1.0000



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Serial No: 0300.181017
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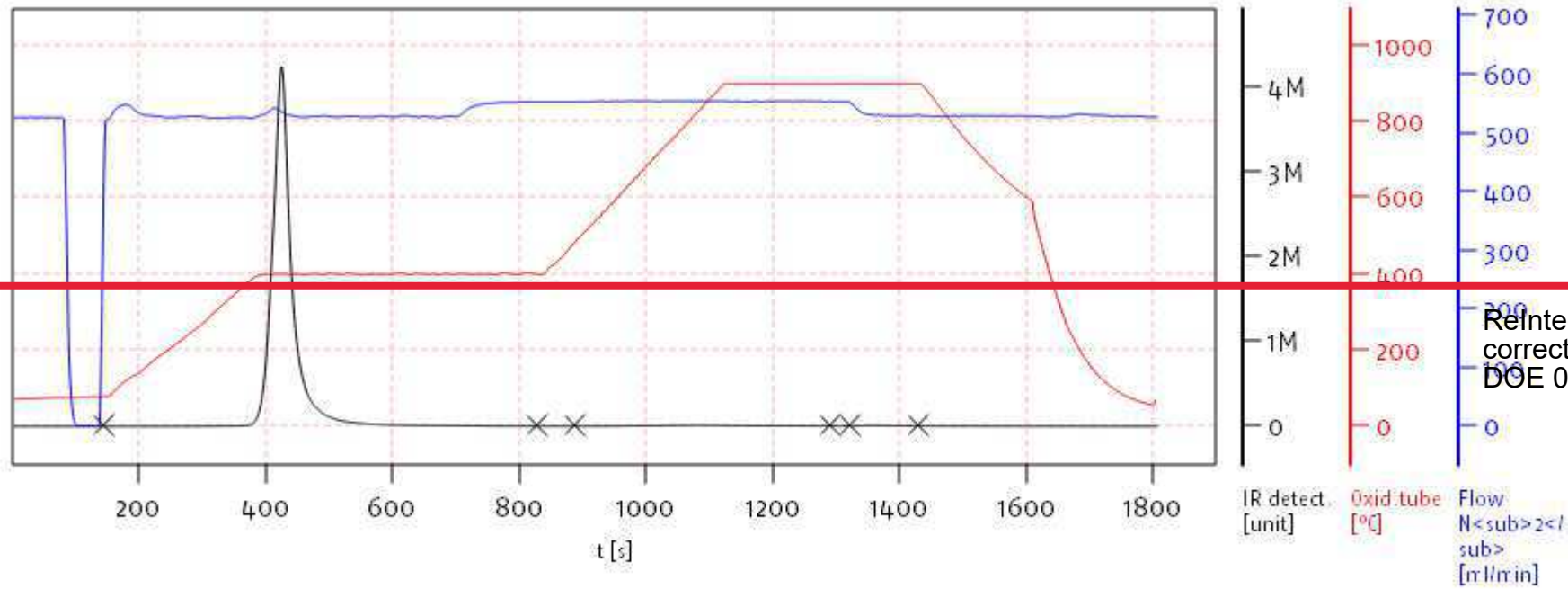
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	BKL0650-BS1	191.00		CARBON	12/30/2022 2:19 PM	bl	4.508	5 715 005	4.570	0.001	28 228	103 151	4.506	0.062	0.9774	1.0000



Reintegrated with correct weight
DOE 01/03/23

Name:

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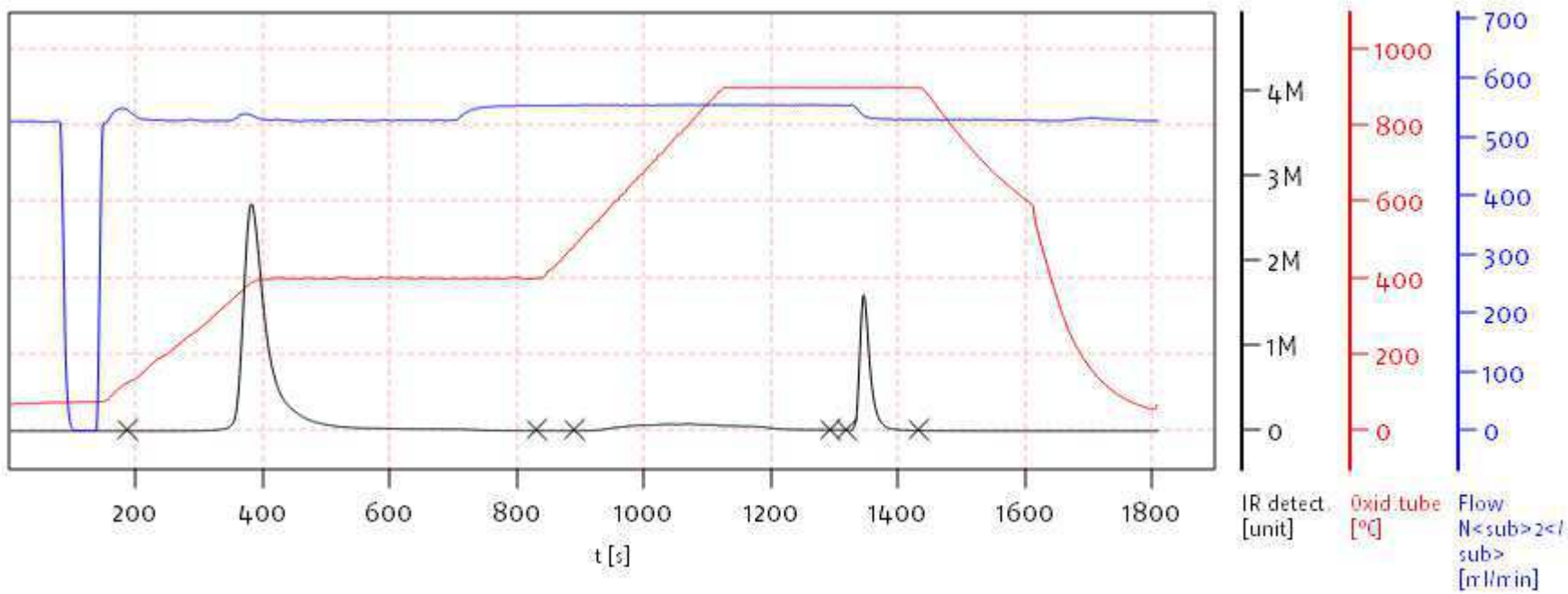
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
96	7	BKL0650-SRM1	285.30		CARBON	12/30/2022 2:50 PM	bl	3.042	4 609 625	3.402	0.612	1 154 220	688 728	2.431	0.359	0.9774	1.0000



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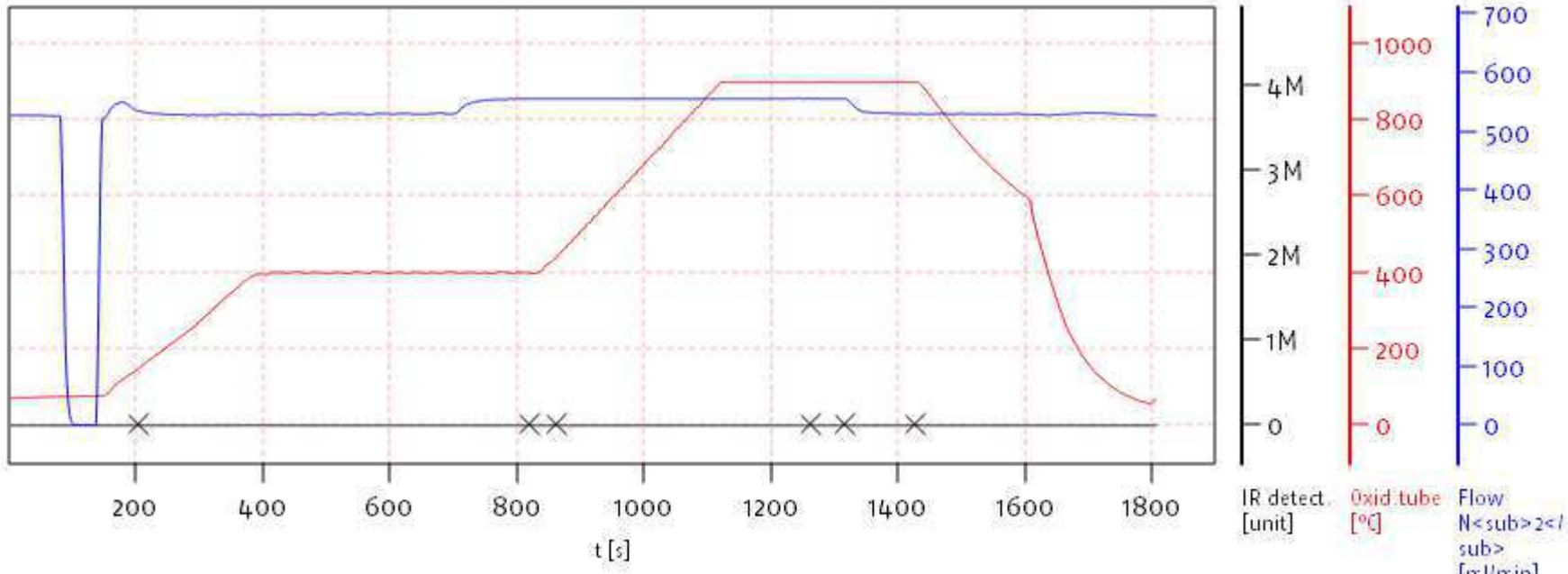
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
97	8	BLANK	1.00		CARBON	12/30/2022 3:20 PM	bl	0.000	4 983	0.000	0.000	560	822	0.000	0.000	0.9774	1.0000



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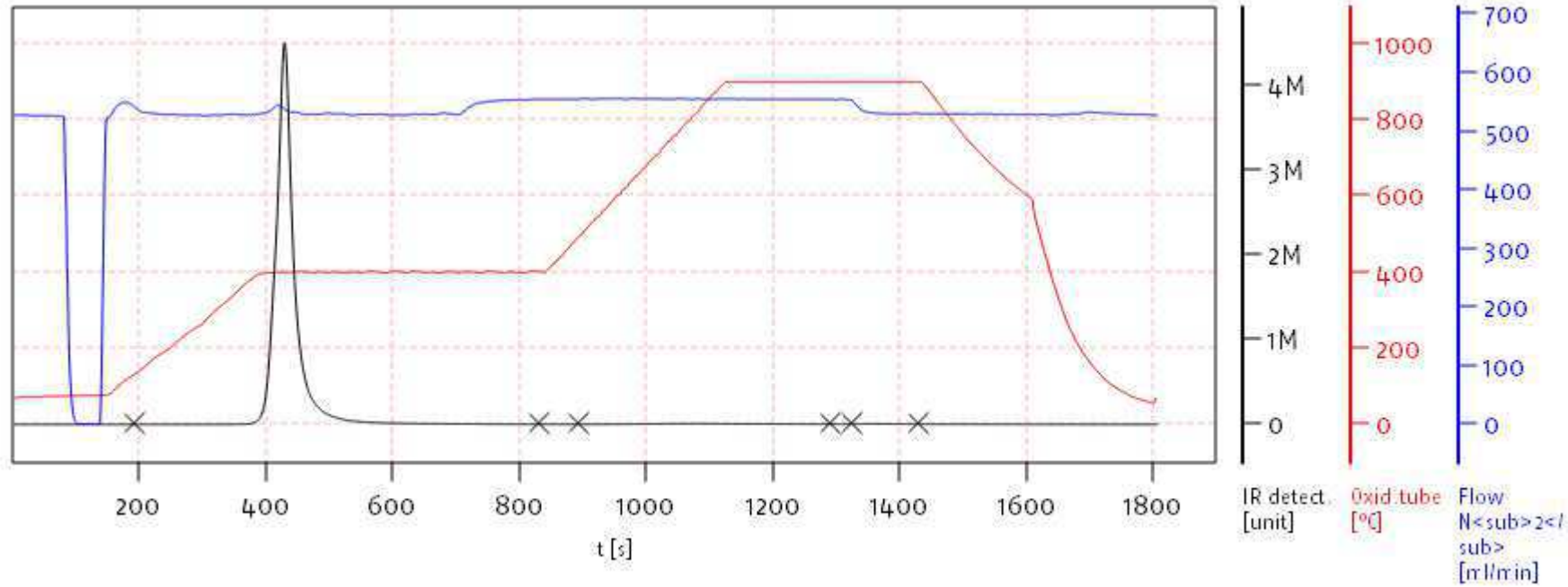
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
98	9	Dfactor	18.50		CARBON	12/30/2022 3:51 PM	bl	44.446	5 599 692	44.903	0.000	21 143	81 236	44.446	0.458	0.9531	1.0000



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Balance: BAL3
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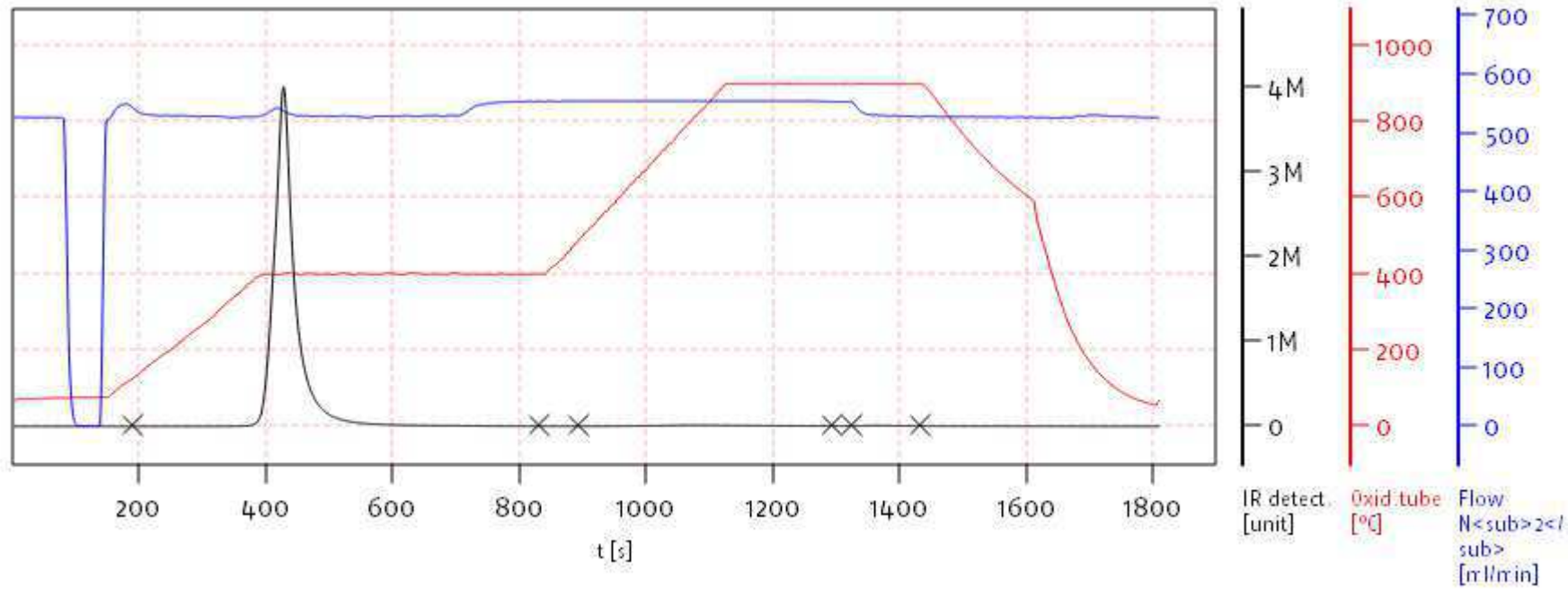
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
99	10	Dfactor	19.20		CARBON	12/30/2022 4:22 PM	bl	44.458	5 705 068	45.092	0.012	28 017	105 190	44.446	0.634	0.9708	1.0000



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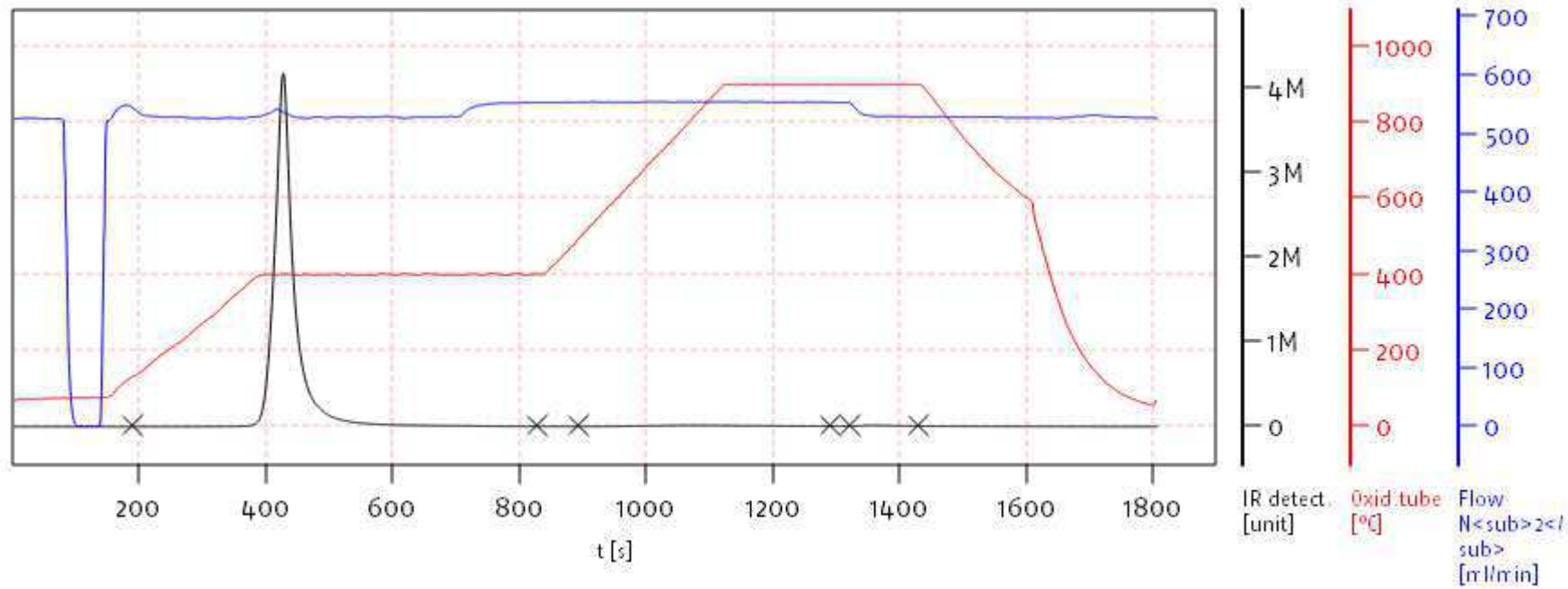
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
100	11	SKL0336-CCV8	19.00		CARBON	12/30/2022 4:52 PM	bl	43.776	5 599 287	44.606	0.102	39 002	128 357	43.675	0.830	0.9619	1.0000



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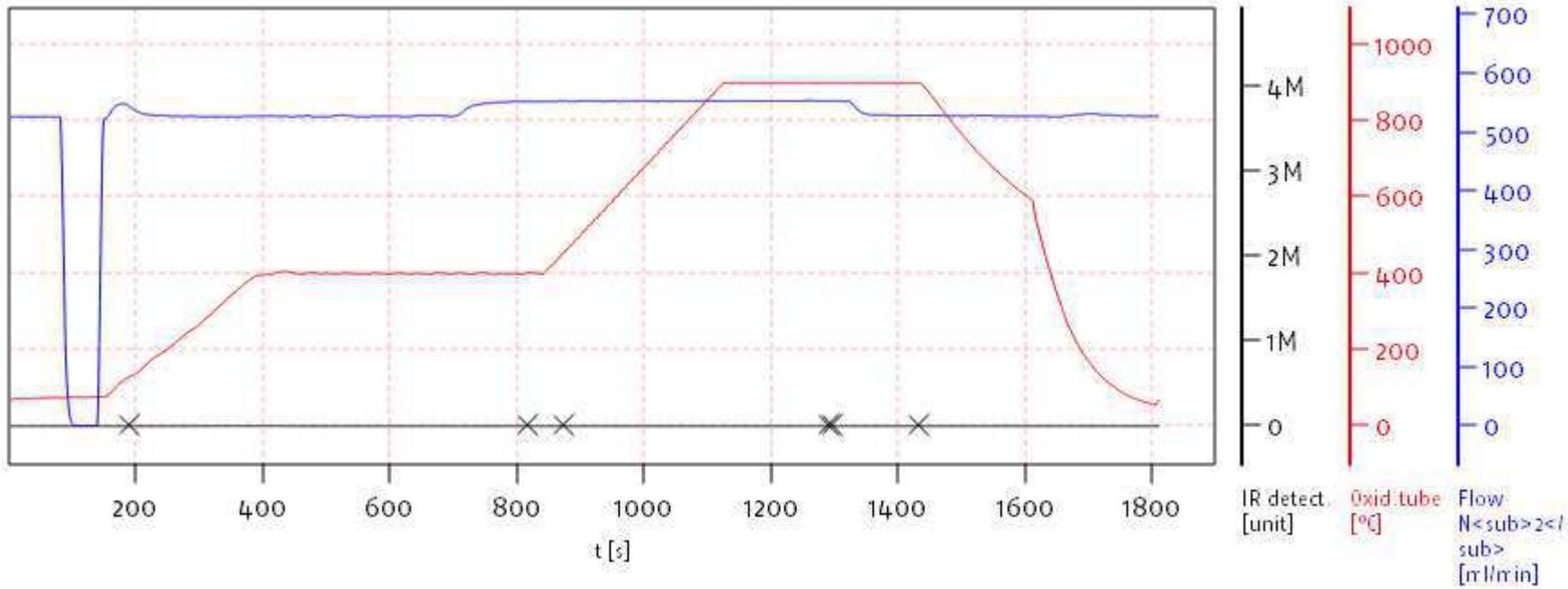
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
101	12	SKL0336-CCB8	508.00		CARBON	12/30/2022 5:23 PM	bl,C3u,C2u	0.000	10 601	0.000	0.000	1 270	233	0.000	0.000	0.9619	1.0000



Name:

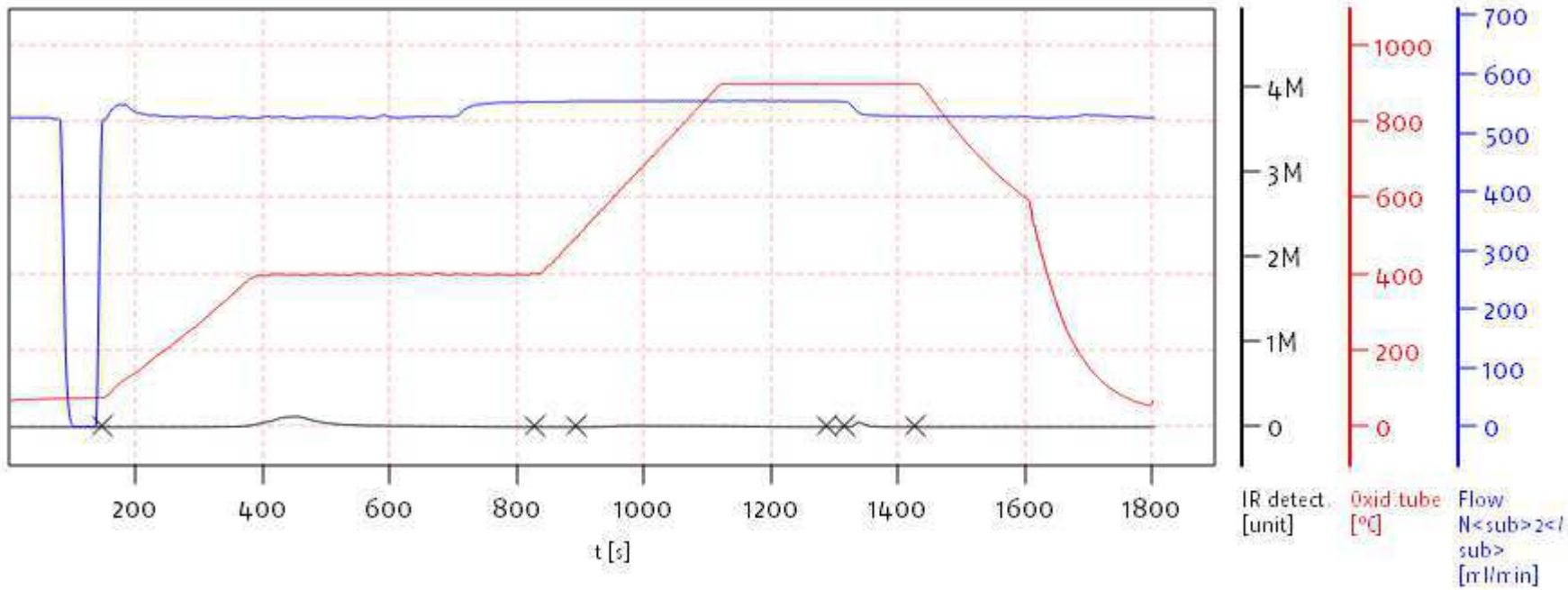
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
102	13	22L0329-01	518.20		CARBON	12/30/2022 5:53 PM	bl	0.150	531 470	0.177	0.005	42 849	116 986	0.145	0.027	0.9619	1.0000



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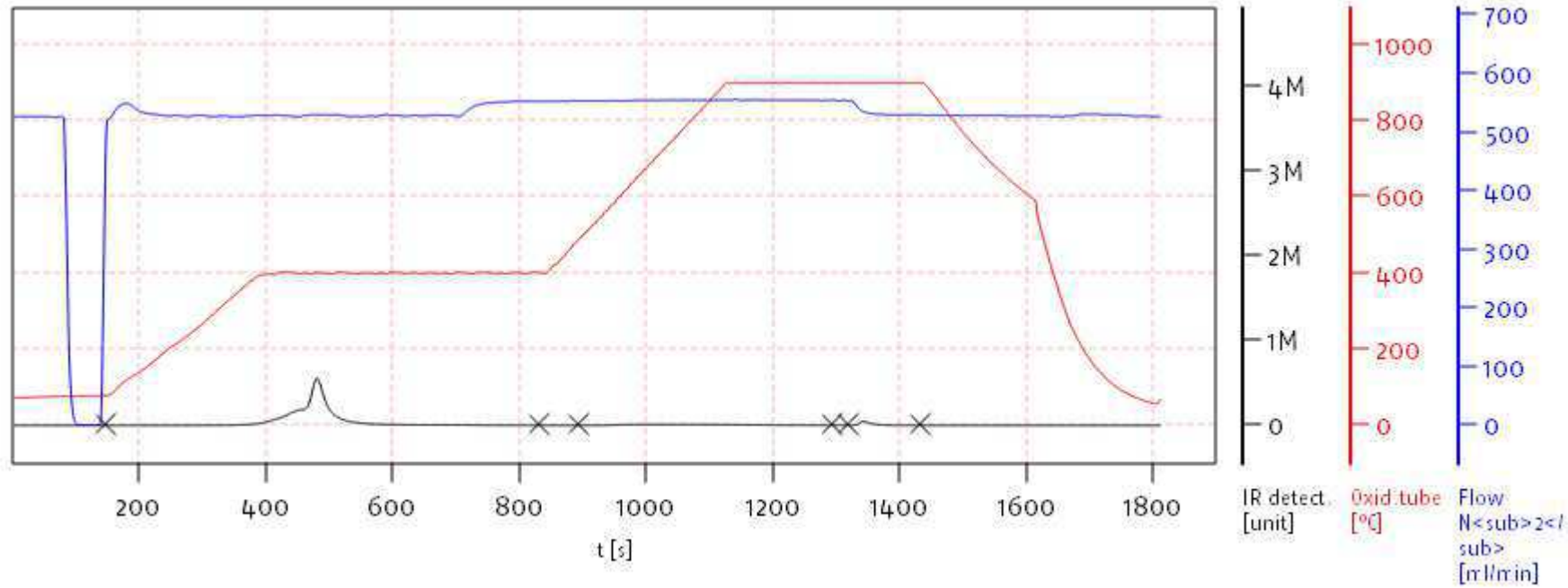
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
103	14	BKL0650-DUP1	513.70		CARBON	12/30/2022 6:24 PM	bl	0.297	1 034 967	0.317	0.004	41 051	94 719	0.292	0.021	0.9619	1.0000



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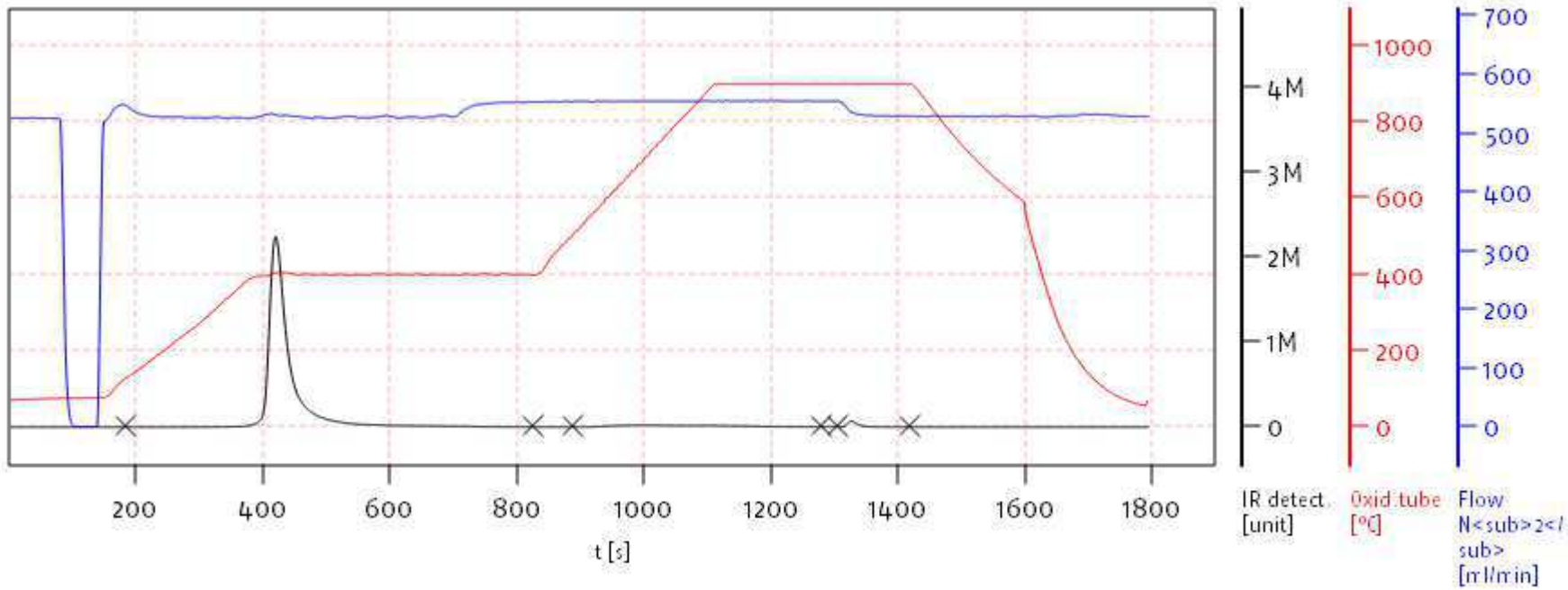
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
104	15	BKL0650-MS1	514.80	0.0084	CARBON	12/30/2022 6:54 PM	bl	0.881	3 045 474	0.926	0.008	52 341	174 645	0.873	0.045	0.9619	1.0000



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Serial No: 0300.181017
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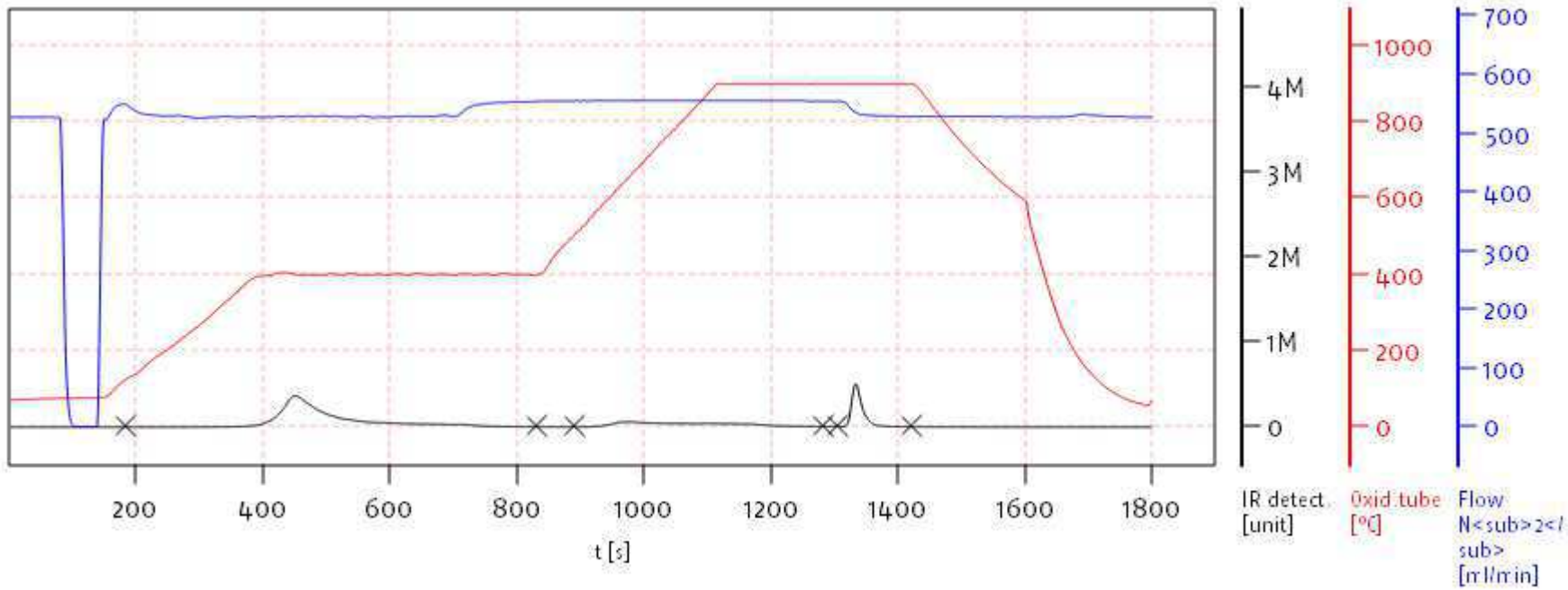
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
105	16	22L0329-02	515.60		CARBON	12/30/2022 7:24 PM	bl	0.494	1 362 305	0.623	0.108	386 919	454 739	0.386	0.129	0.9619	1.0000



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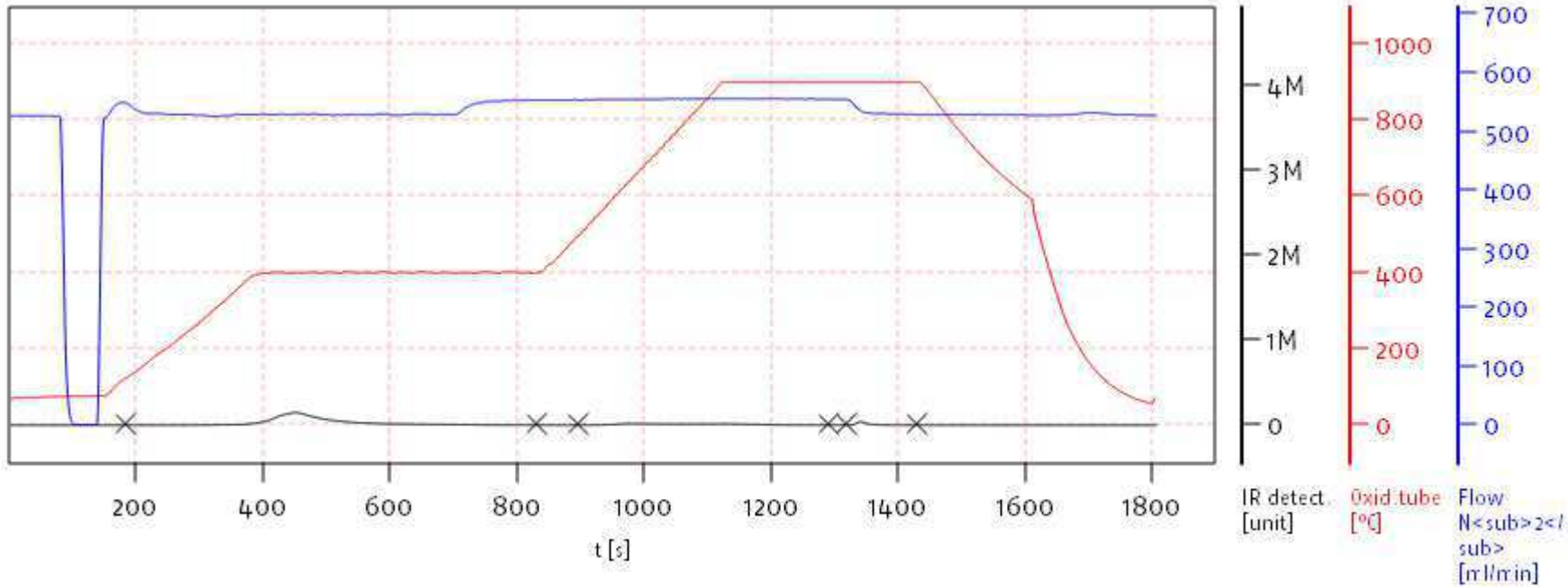
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
106	17	22L0329-03	524.60		CARBON	12/30/2022 7:55 PM	bl	0.165	603 459	0.195	0.002	32 020	127 095	0.164	0.030	0.9619	1.0000



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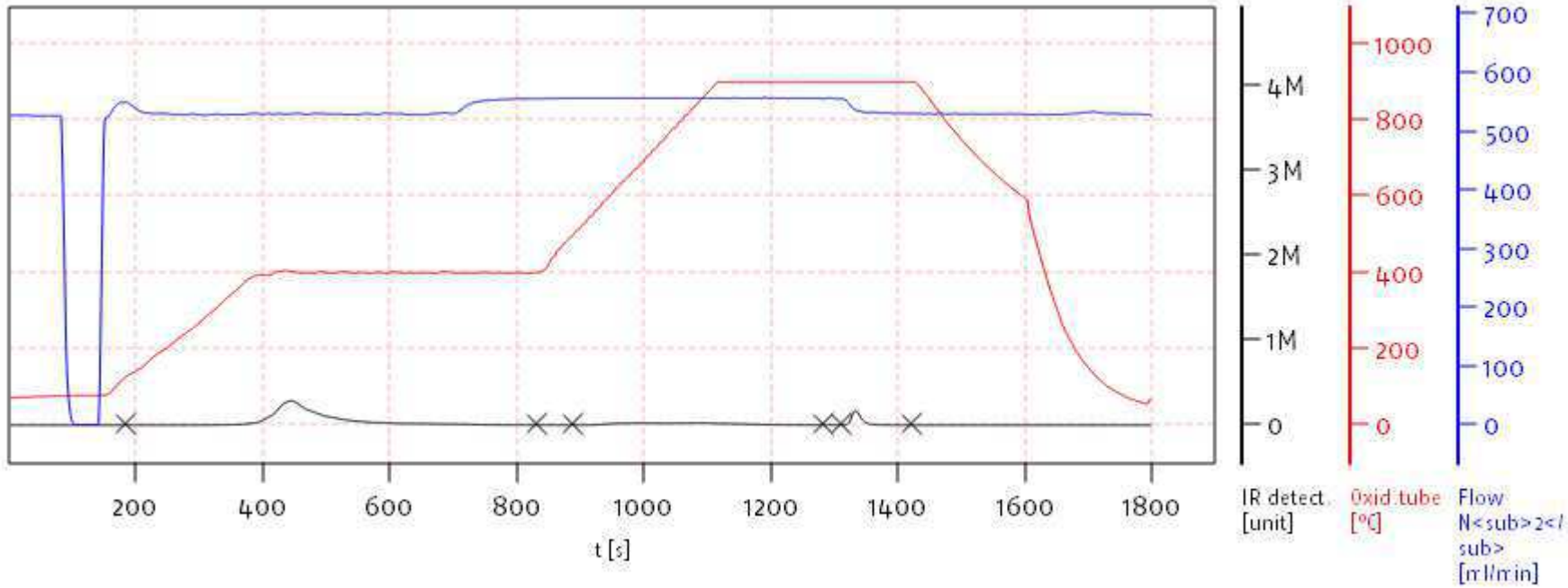
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
107	18	22L0329-04	508.00		CARBON	12/30/2022 8:25 PM	bl	0.315	1 008 067	0.367	0.027	114 928	198 185	0.288	0.052	0.9619	1.0000



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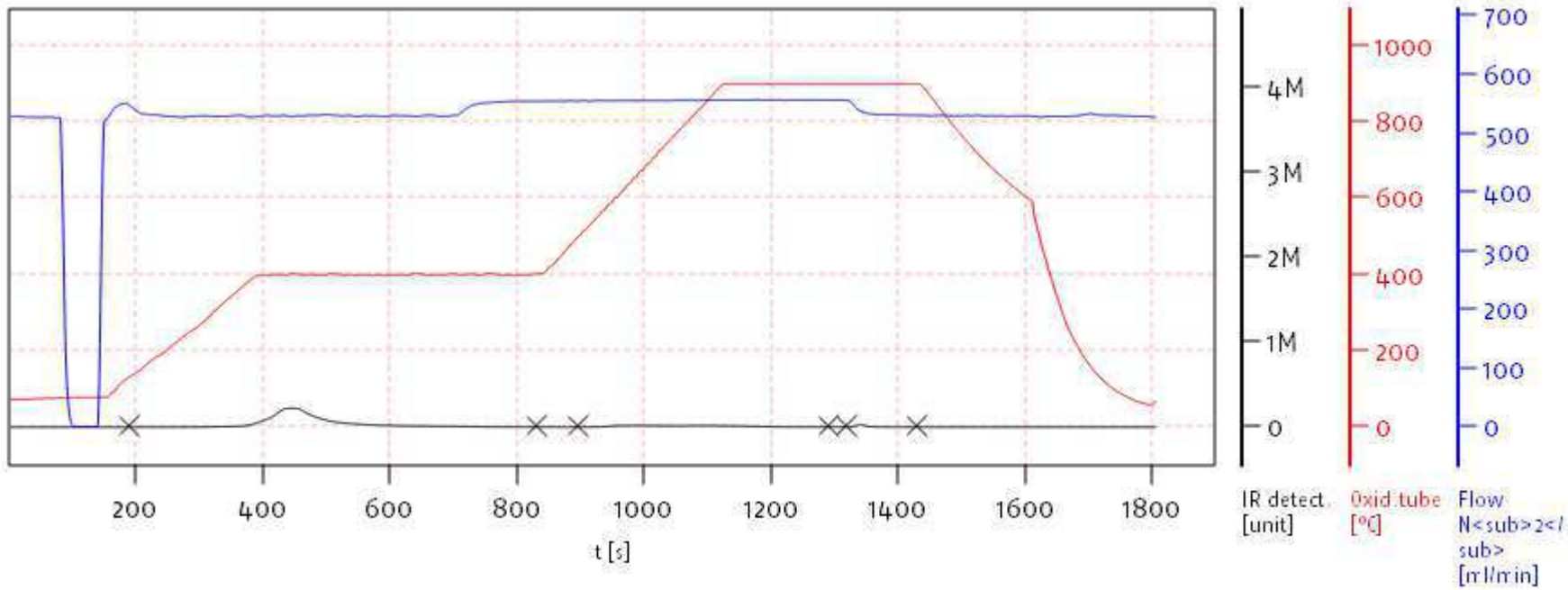
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
108	19	22L0329-05	528.60		CARBON	12/30/2022 8:56 PM	bl	0.236	863 536	0.272	0.000	21 883	149 709	0.236	0.036	0.9619	1.0000



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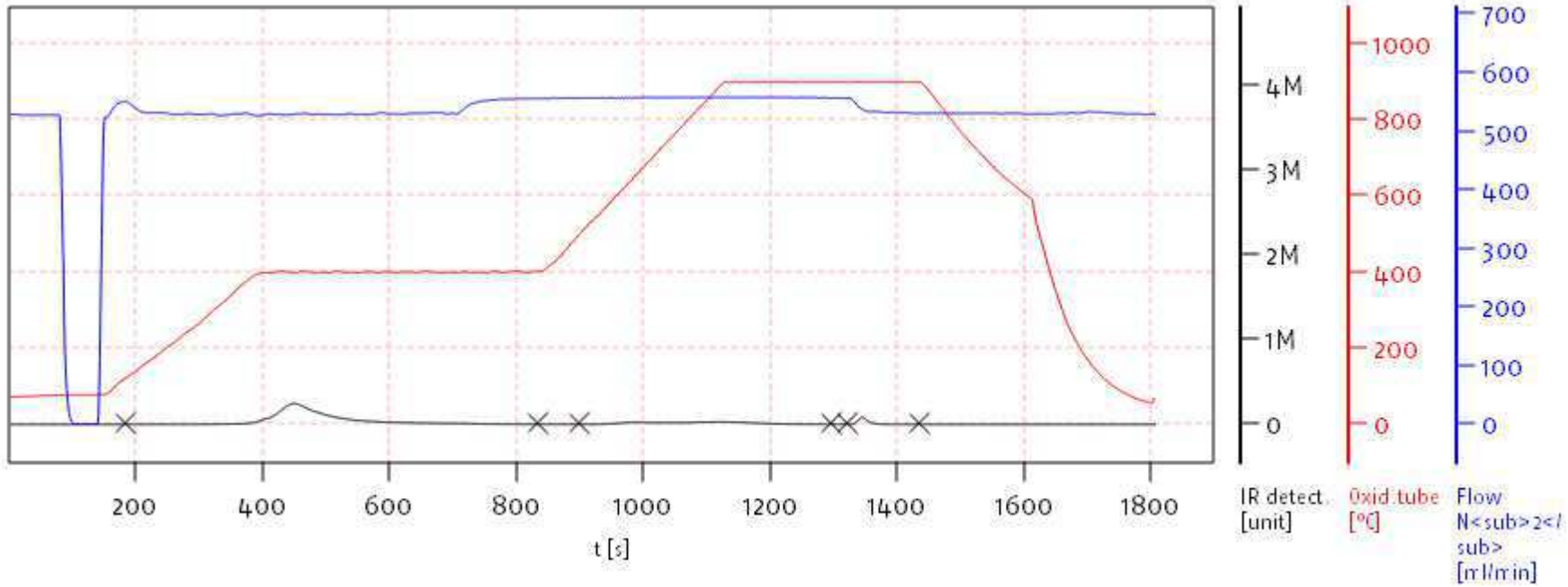
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
109	20	22L0329-06	613.90		CARBON	12/30/2022 9:26 PM	bl	0.233	954 400	0.283	0.008	57 736	223 398	0.225	0.050	0.9619	1.0000



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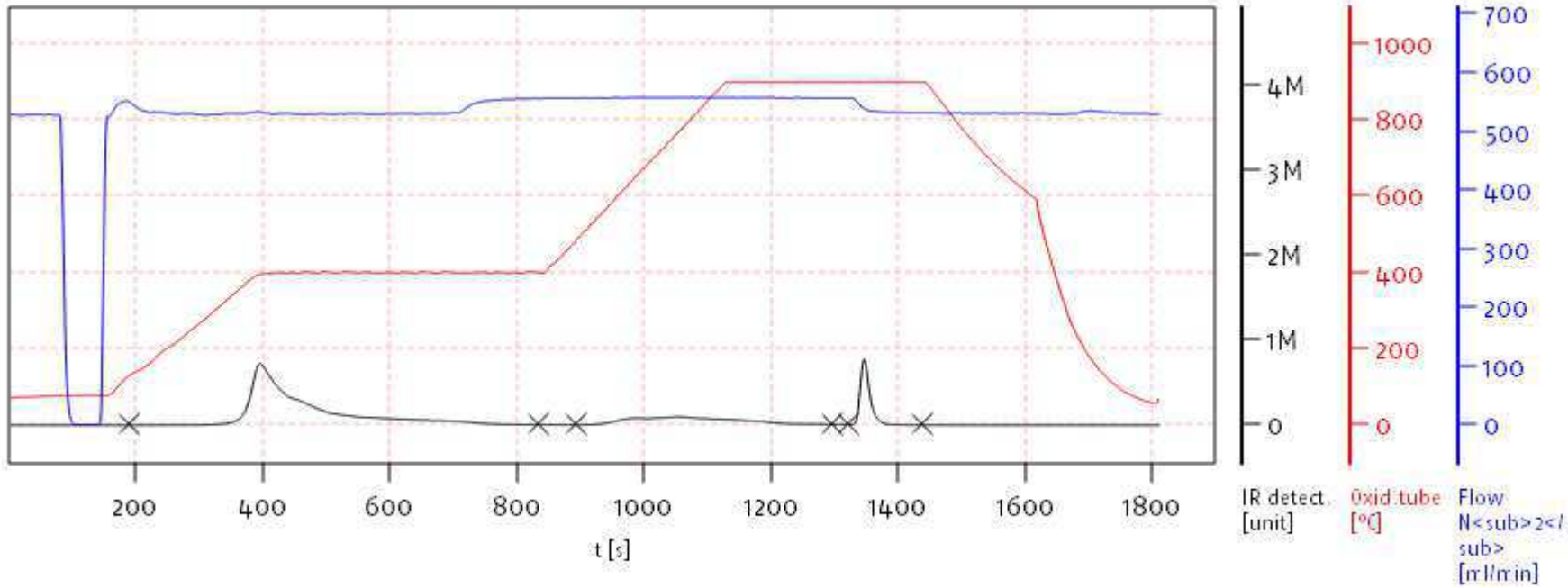
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
110	21	22L0329-07	534.50		CARBON	12/30/2022 9:57 PM	bl	0.866	2 621 611	1.078	0.143	518 883	760 664	0.723	0.213	0.9619	1.0000



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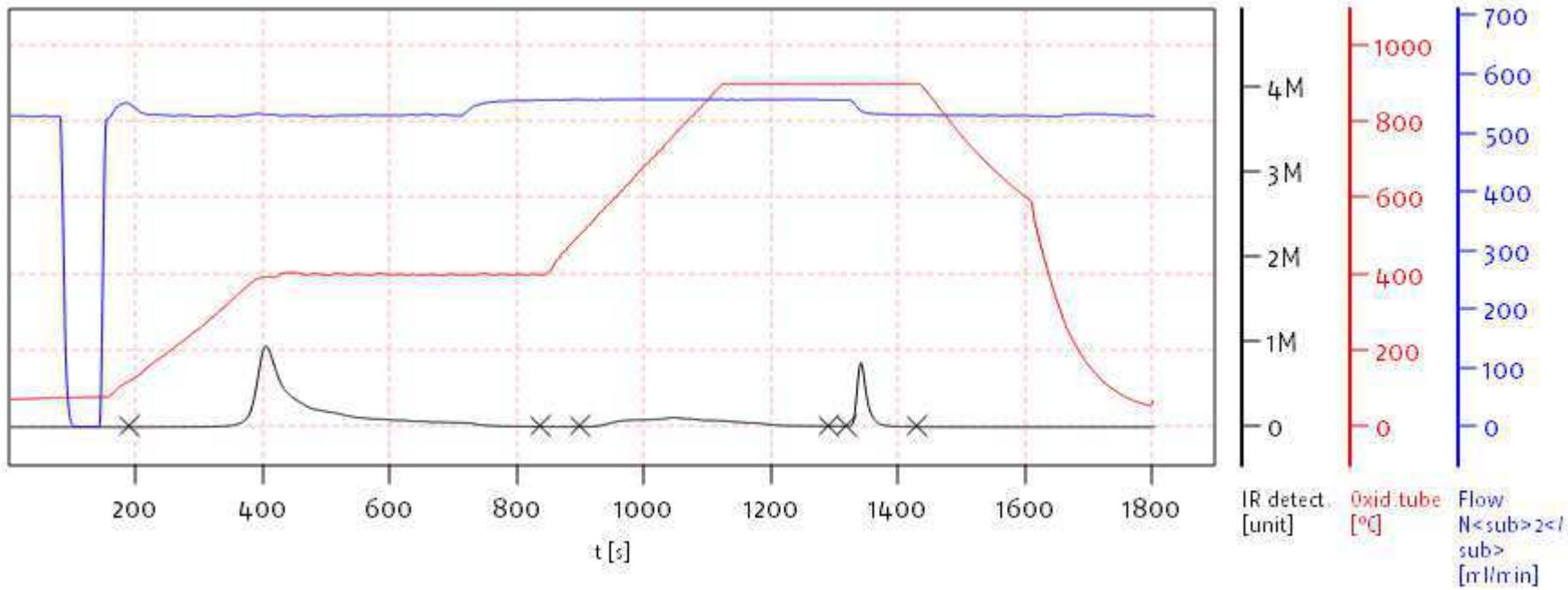
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
111	22	22L0329-08	546.20		CARBON	12/30/2022 10:27 PM	bl	0.927	2 902 928	1.147	0.142	528 790	805 202	0.784	0.221	0.9619	1.0000



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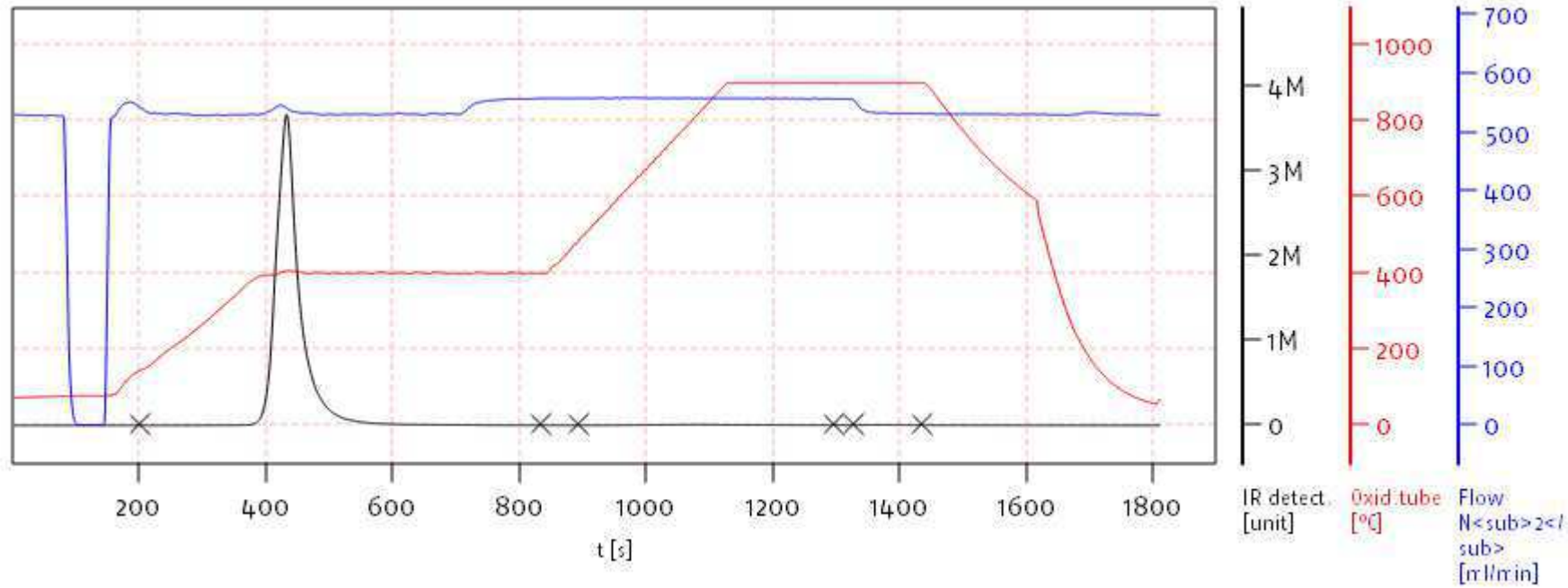
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
112	23	SKL0336-CCV9	19.60		CARBON	12/30/2022 10:58 PM	bl	44.389	5 869 243	44.777	0.000	18 812	75 632	44.389	0.388	0.9619	1.0000



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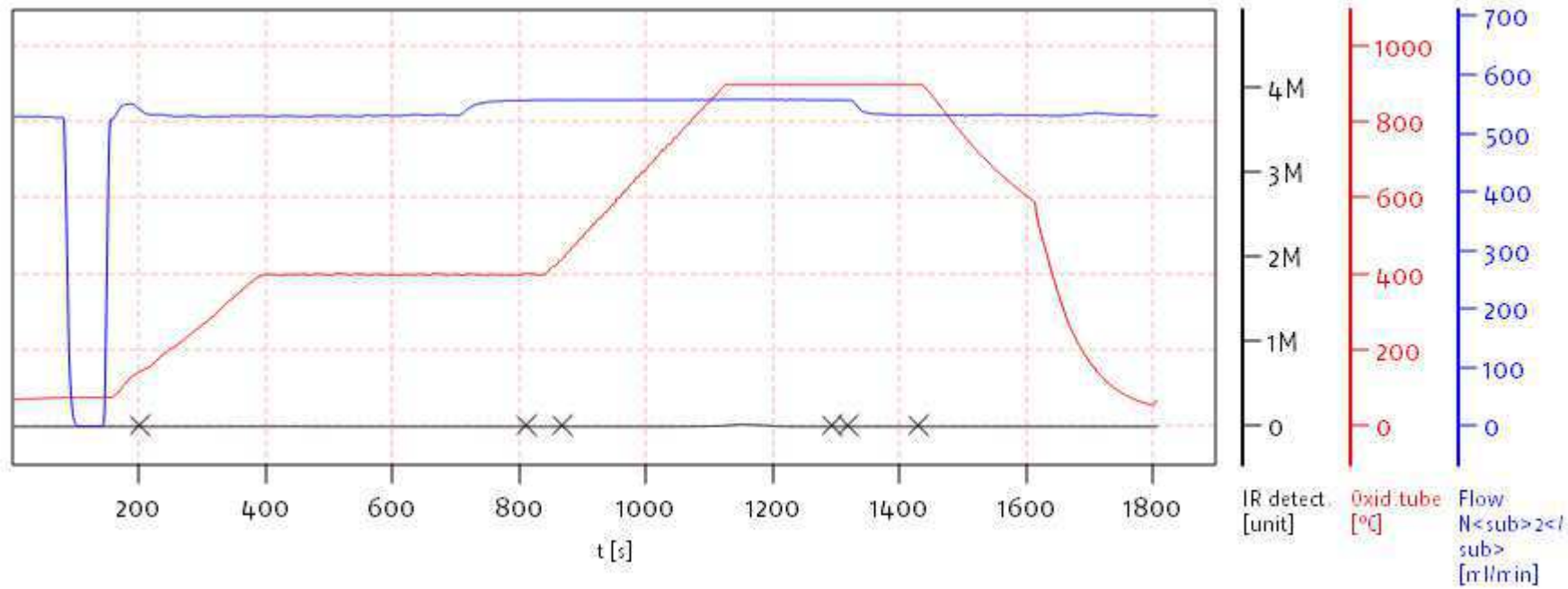
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
113	24	SKL0336-CCB9	507.20		CARBON	12/30/2022 11:29 PM	bl,C2u	0.000	9 554	0.011	0.000	529	64 066	0.000	0.011	0.9619	1.0000



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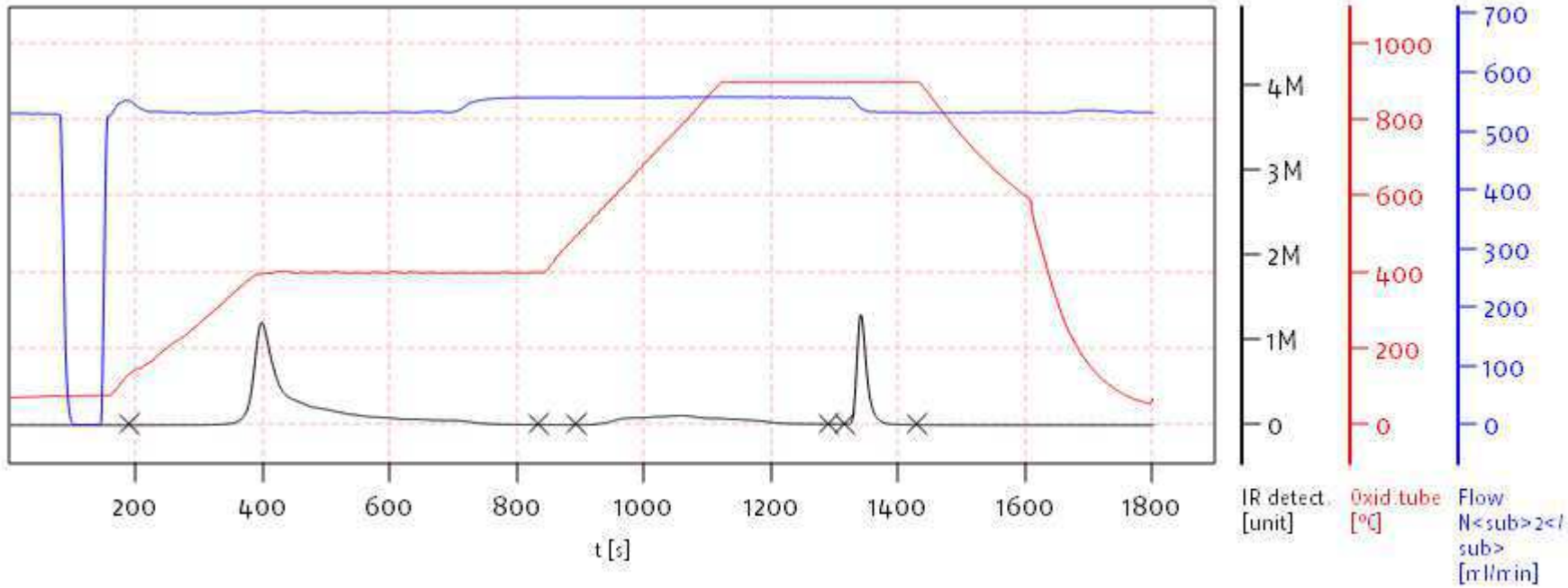
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
114	25	22L0329-09	546.20		CARBON	12/30/2022 11:59 PM	bl	1.091	3 111 915	1.325	0.250	908 740	853 014	0.841	0.234	0.9619	1.0000



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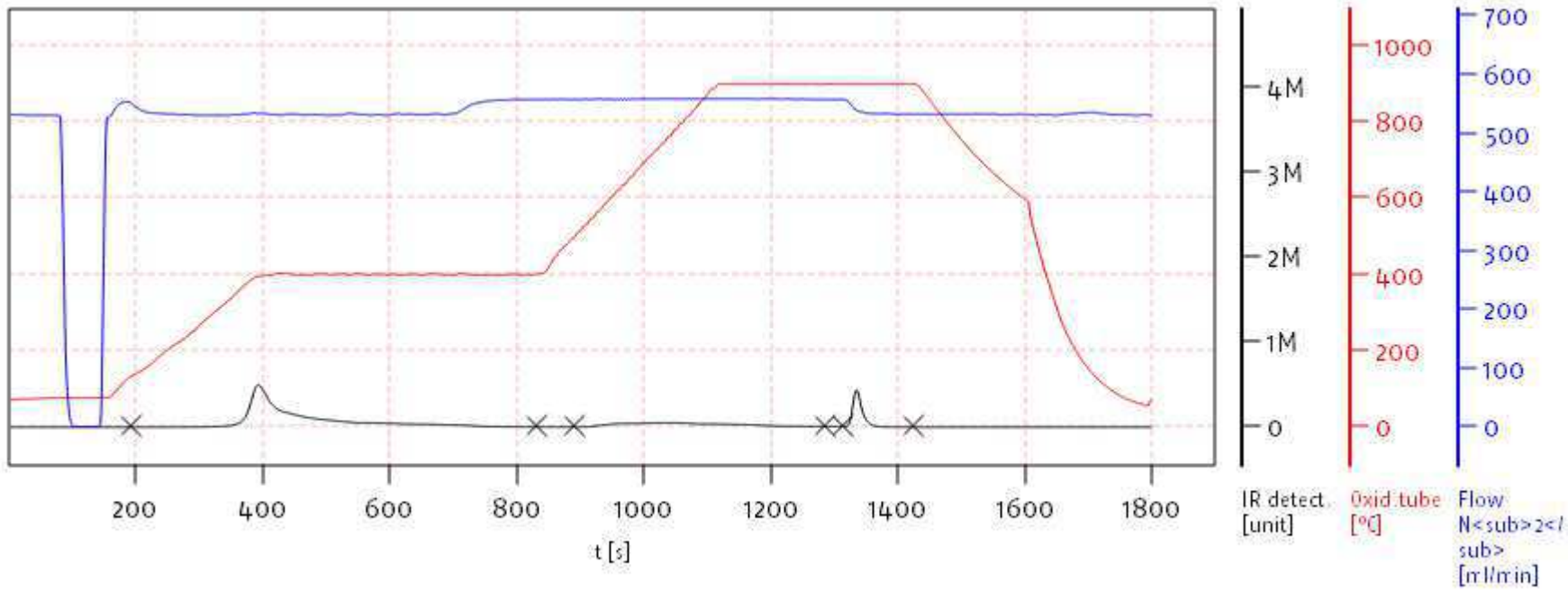
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
115	26	22L0329-10	256.20		CARBON	12/31/2022 12:29 AM	bl	0.995	1 470 989	1.231	0.155	283 108	417 586	0.840	0.236	0.9619	1.0000



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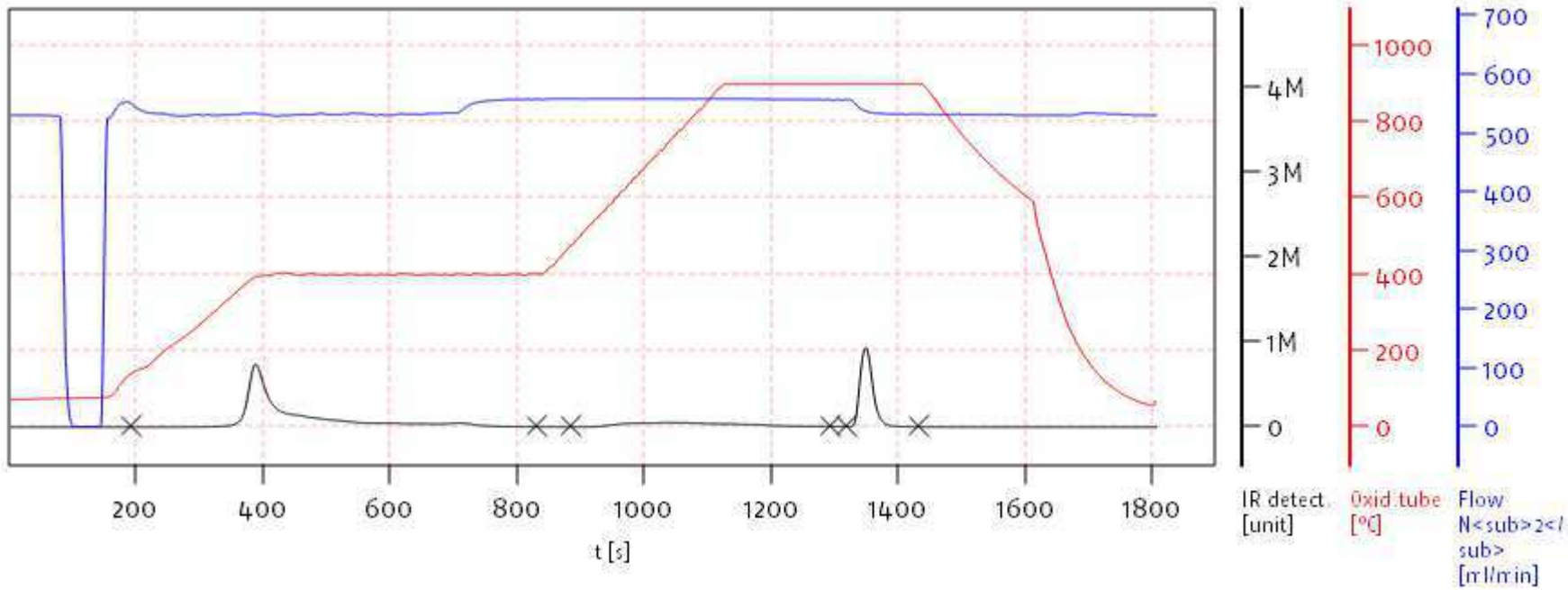
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
116	27	22L0329-11	241.70		CARBON	12/31/2022 1:00 AM	bl	1.612	1 810 491	1.874	0.513	827 096	435 226	1.099	0.262	0.9619	1.0000



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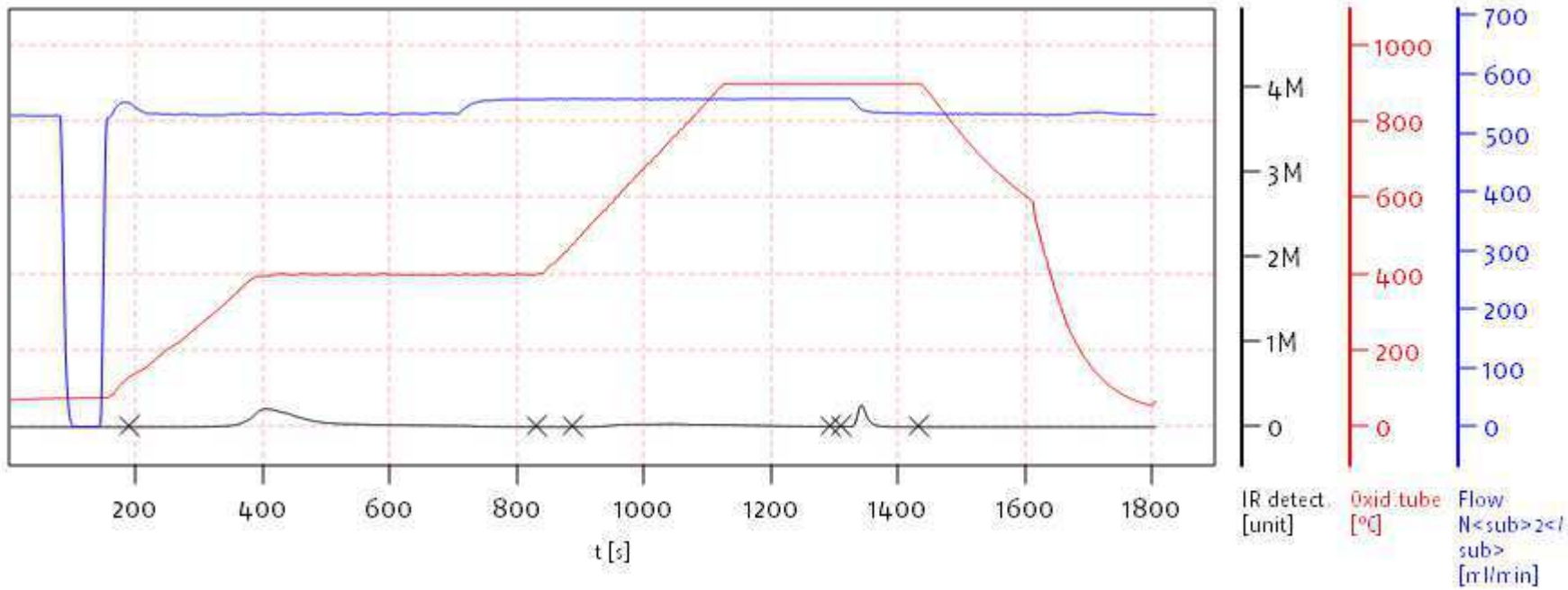
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
117	28	22L0329-12	221.00		CARBON	12/31/2022 1:30 AM	bl	0.704	917 724	0.890	0.103	173 951	291 739	0.600	0.186	0.9619	1.0000



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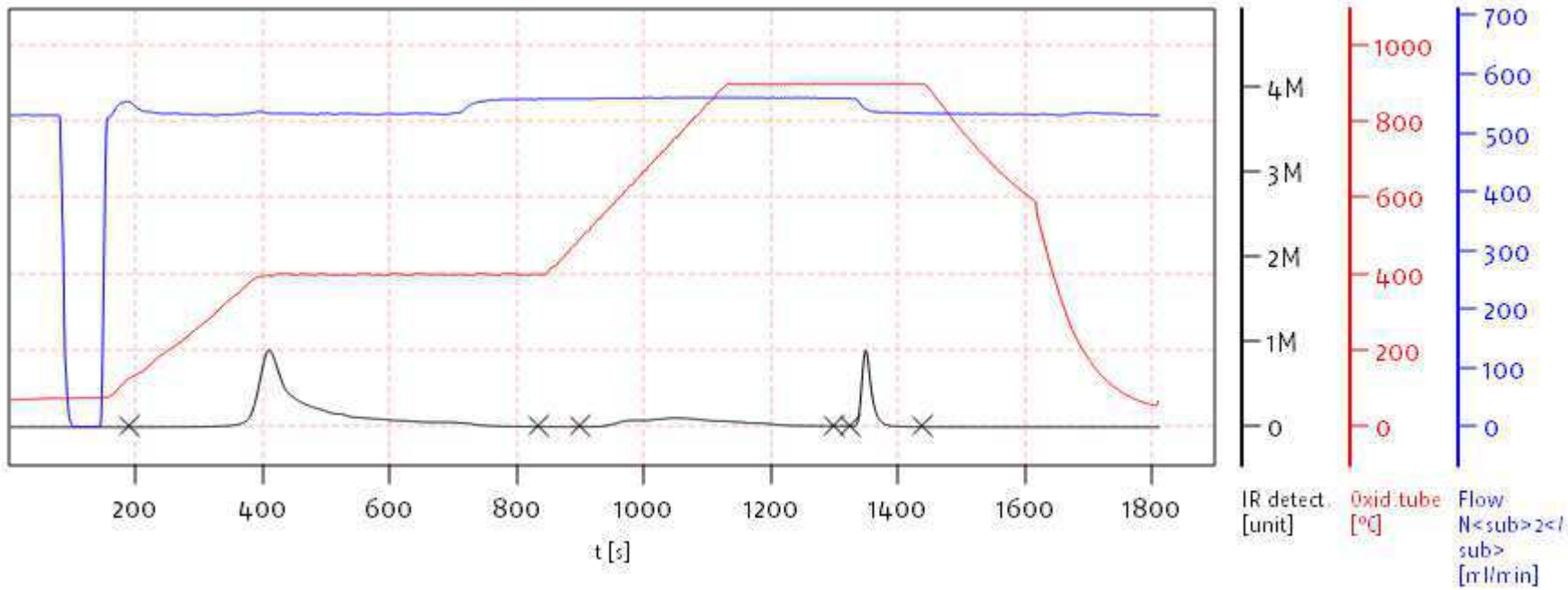
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
118	29	22L0329-13	501.30		CARBON	12/31/2022 2:01 AM	bl	1.013	2 821 698	1.248	0.183	618 261	787 868	0.830	0.235	0.9619	1.0000



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Balance: BAL3
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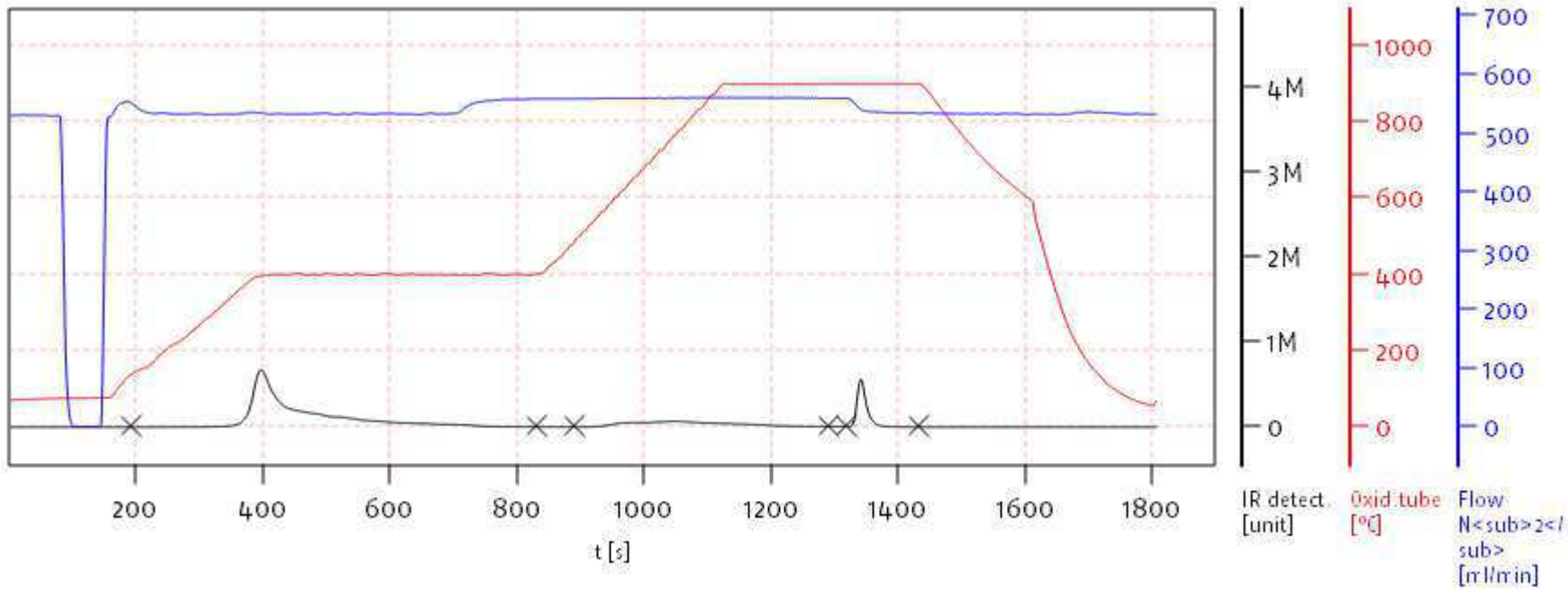
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
119	30	22L0329-14	339.00		CARBON	12/31/2022 2:32 AM	bl	1.034	2 022 757	1.249	0.157	370 905	497 776	0.877	0.215	0.9619	1.0000



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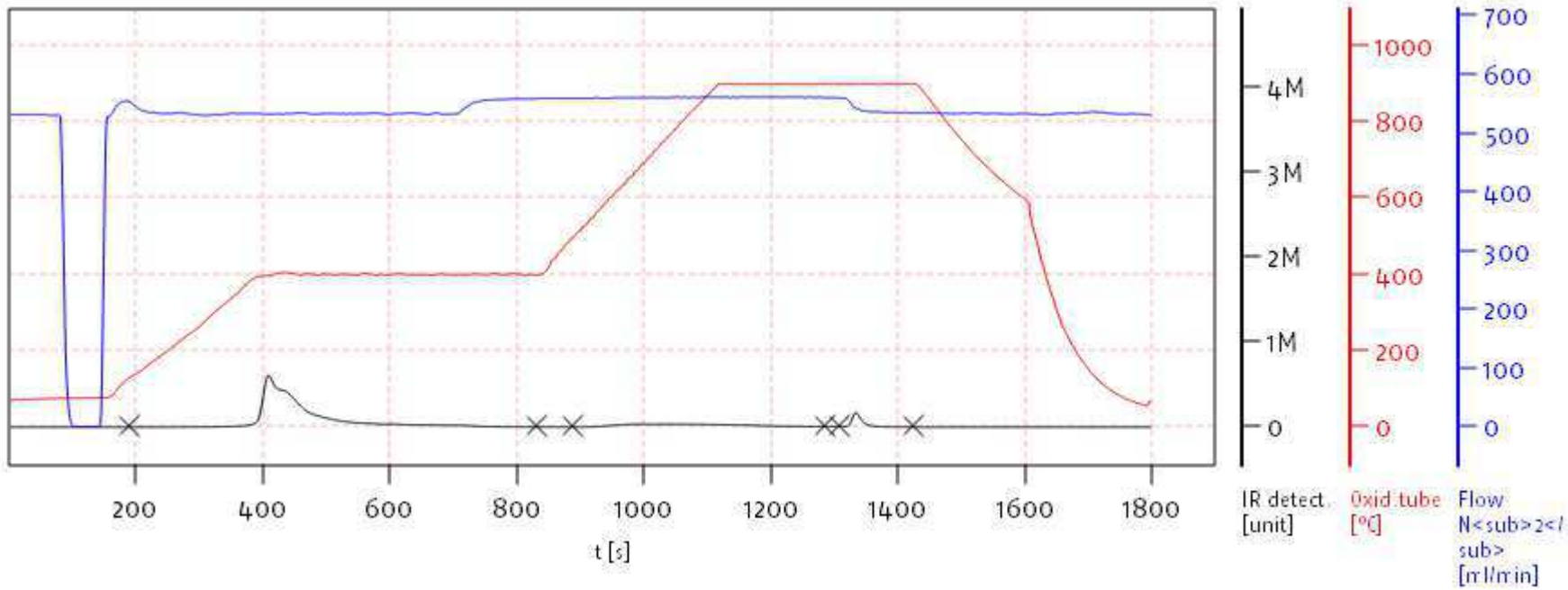
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
120	31	22L0329-15	571.30		CARBON	12/31/2022 3:02 AM	bl	0.450	1 653 653	0.527	0.026	122 804	308 545	0.424	0.076	0.9619	1.0000



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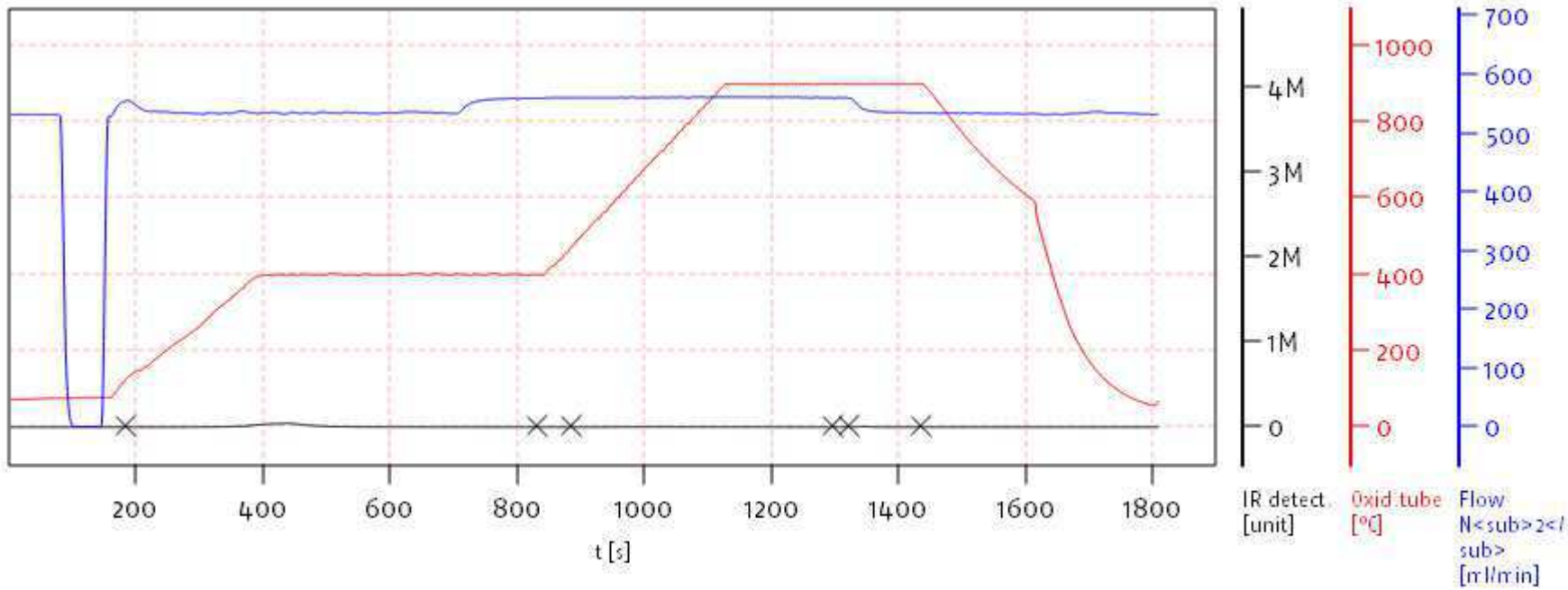
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
121	32	22L0329-16	507.10		CARBON	12/31/2022 3:32 AM	bl	0.043	174 384	0.043	0.000	5 954	18 736	0.043	0.000	0.9619	1.0000



Name:

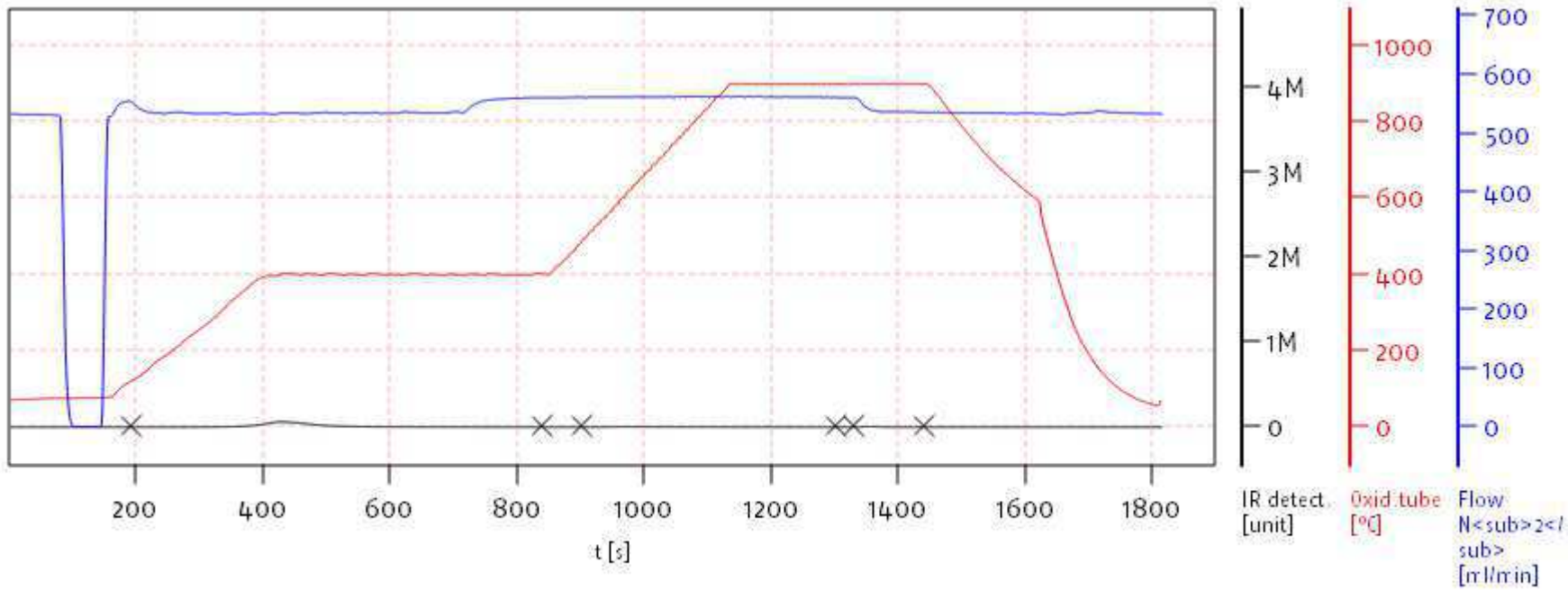
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
122	33	22L0329-17	513.30		CARBON	12/31/2022 4:03 AM	bl	0.061	237 886	0.061	0.000	6 649	22 472	0.061	0.000	0.9619	1.0000



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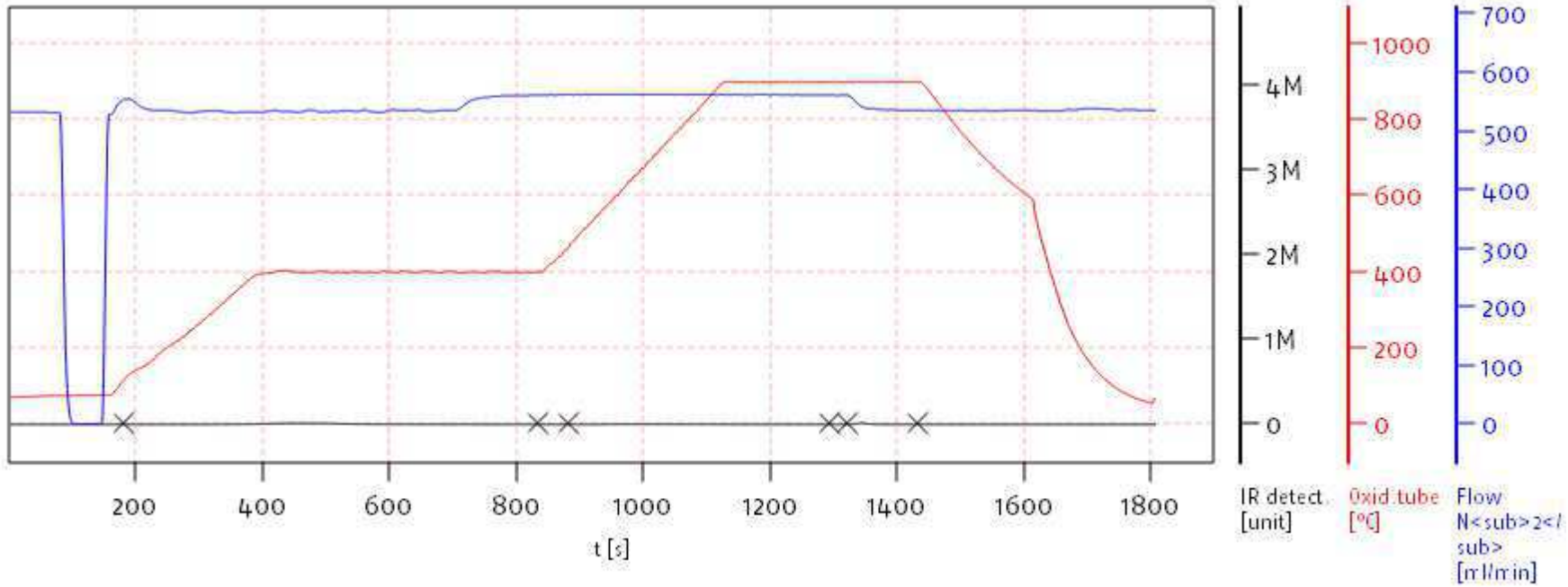
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
123	34	22L0329-18	598.10		CARBON	12/31/2022 4:34 AM	bl	0.013	77 820	0.013	0.000	11 840	19 189	0.013	0.000	0.9619	1.0000



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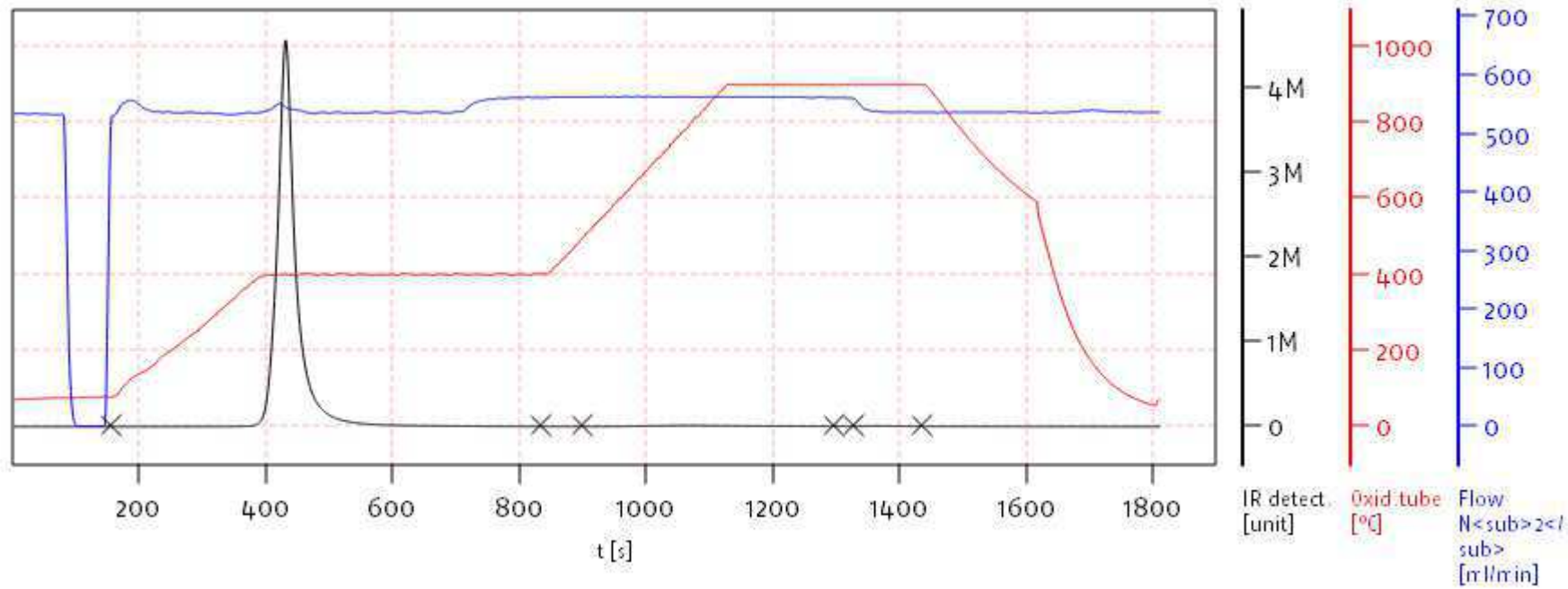
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
124	35	SKL0336-CCVA	19.50		CARBON	12/31/2022 5:04 AM	bl	44.664	5 875 431	45.266	0.000	22 023	102 349	44.664	0.602	0.9619	1.0000



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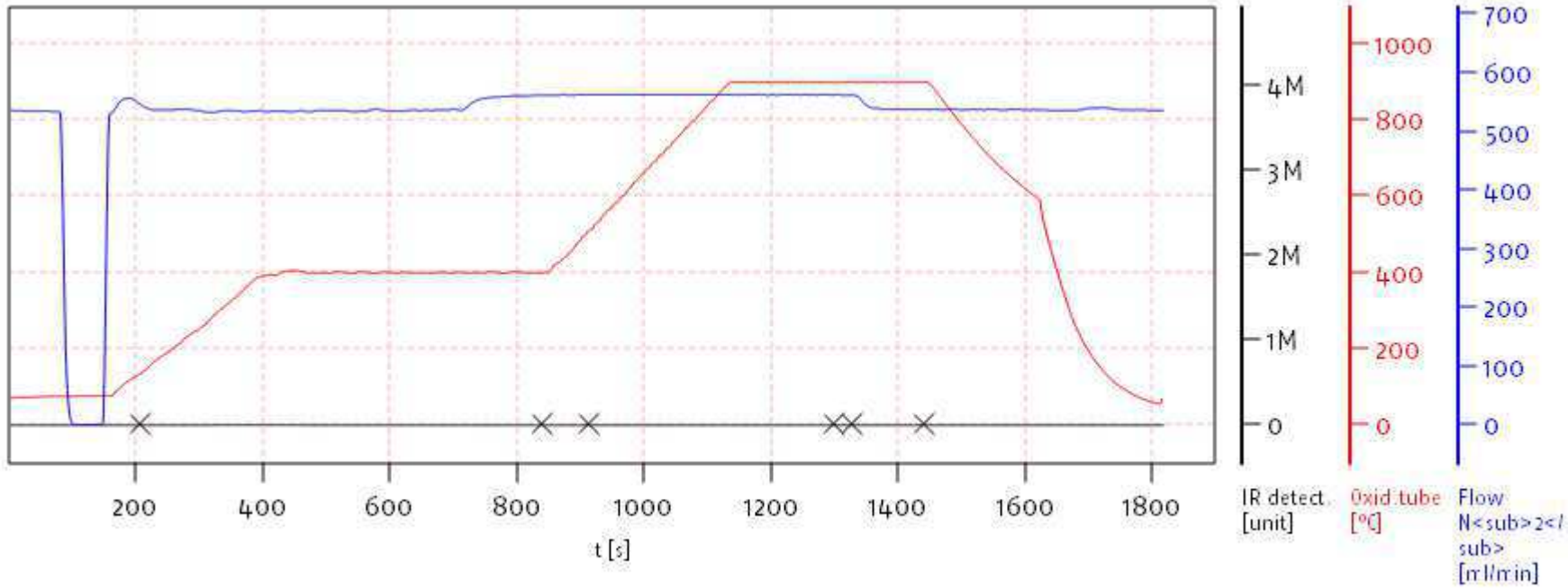
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
125	36	SKL0336-CCBA	508.40		CARBON	12/31/2022 5:35 AM	bl,C3u,C2u	0.000	9 800	0.000	0.000	554	177	0.000	0.000	0.9619	1.0000



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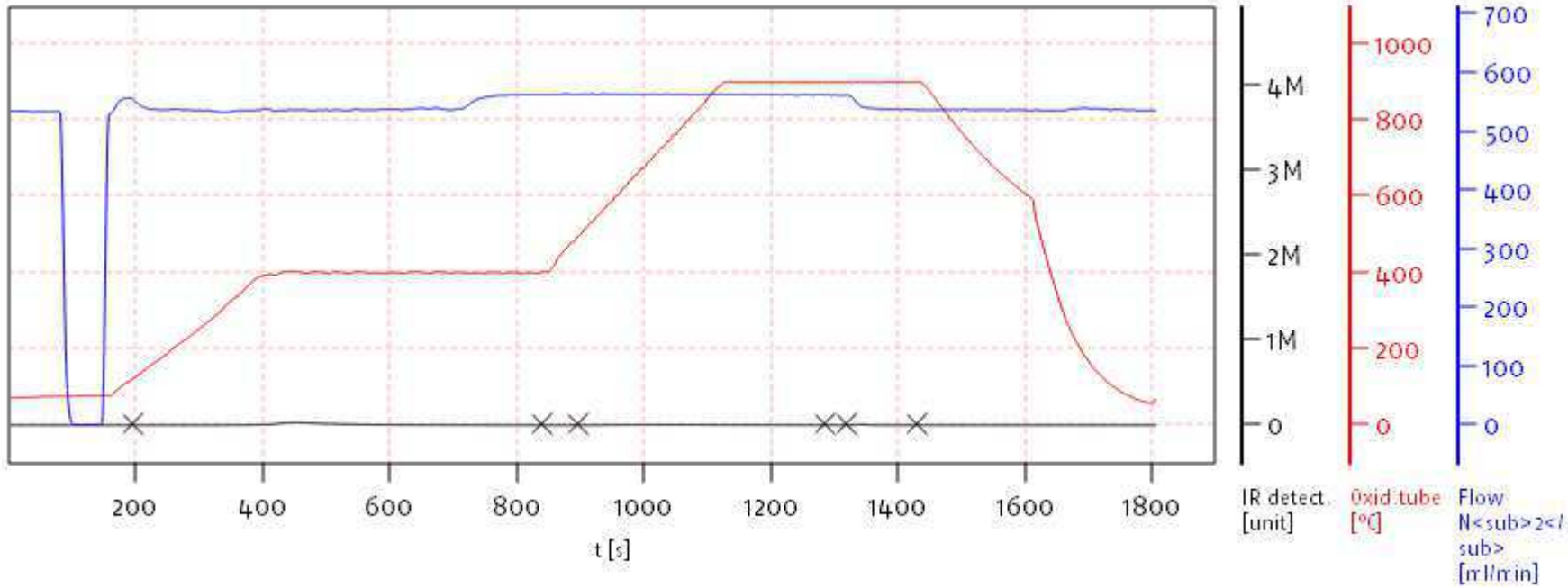
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
126	37	22L0329-19	592.80		CARBON	12/31/2022 6:05 AM	bl	0.028	138 363	0.032	0.000	7 518	40 045	0.028	0.004	0.9619	1.0000



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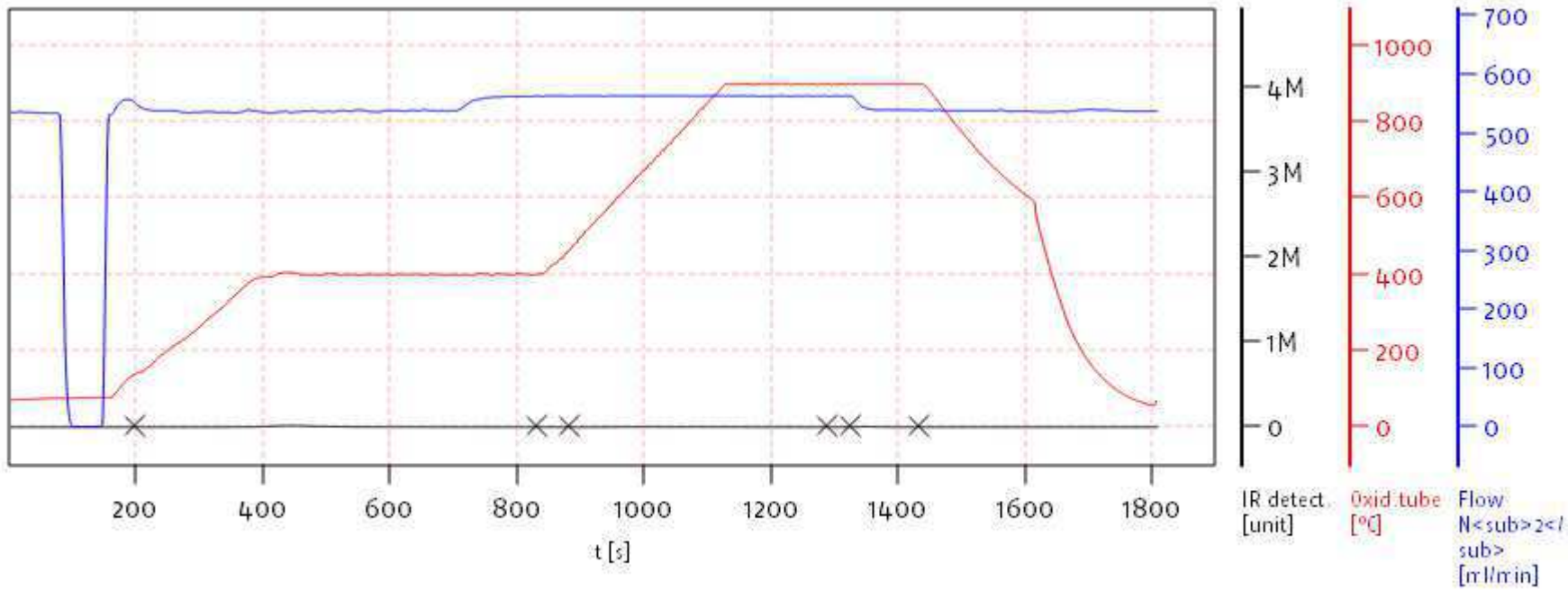
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
127	38	22L0329-20	551.60		CARBON	12/31/2022 6:36 AM	bl	0.012	71 600	0.012	0.000	6 762	18 798	0.012	0.000	0.9619	1.0000



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Serial No: 0300.181017
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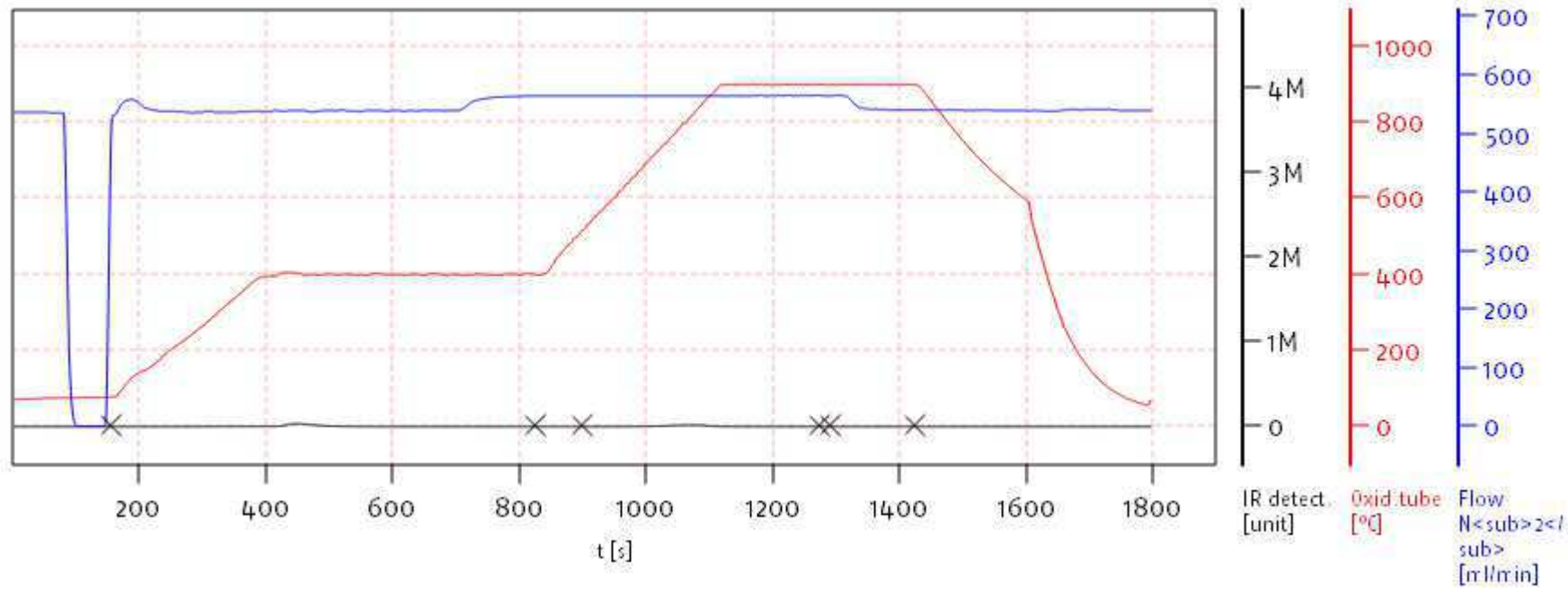
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
128	39	BKL0651-MRL1	541.30		CARBON	12/31/2022 7:06 AM	bl,C2u	0.015	81 393	0.022	0.000	585	52 060	0.015	0.007	0.9619	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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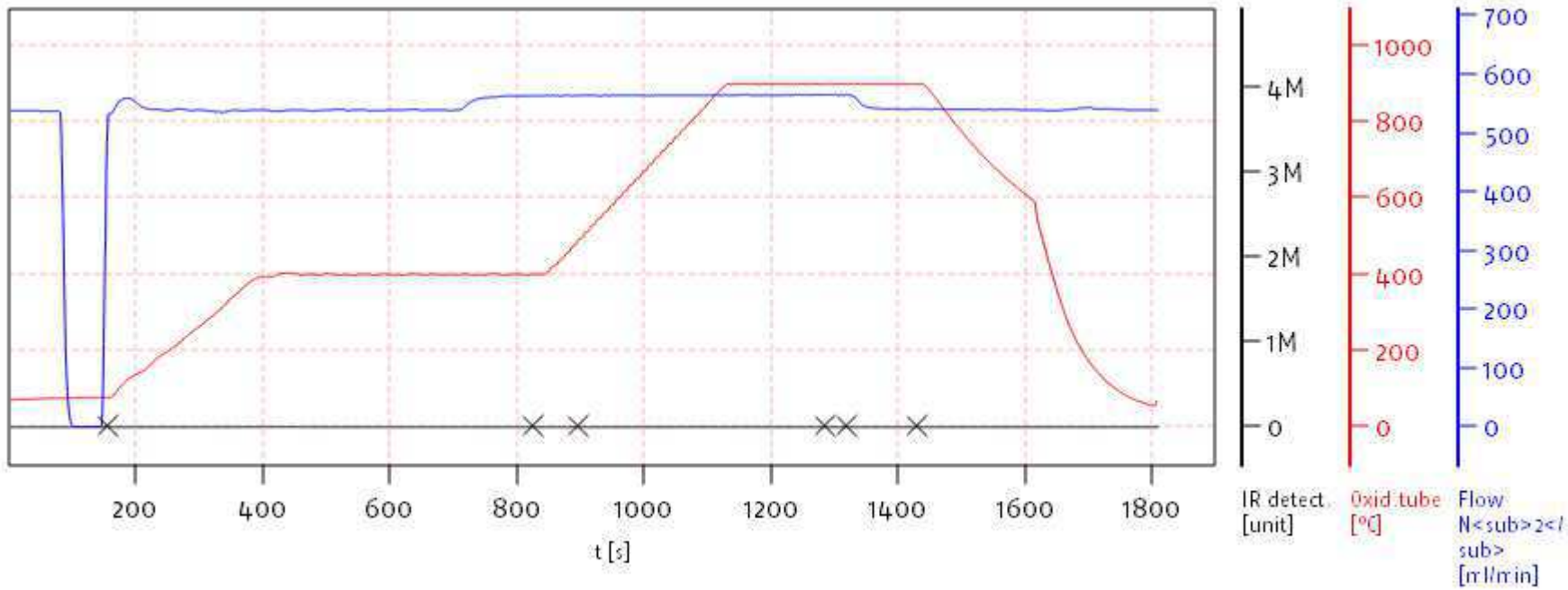
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
129	40	BKL0651-BLK1	520.80		CARBON	12/31/2022 7:37 AM	bl,C2u	0.000	9 085	0.000	0.000	342	5 285	0.000	0.000	0.9619	1.0000



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Serial No: 0300.181017
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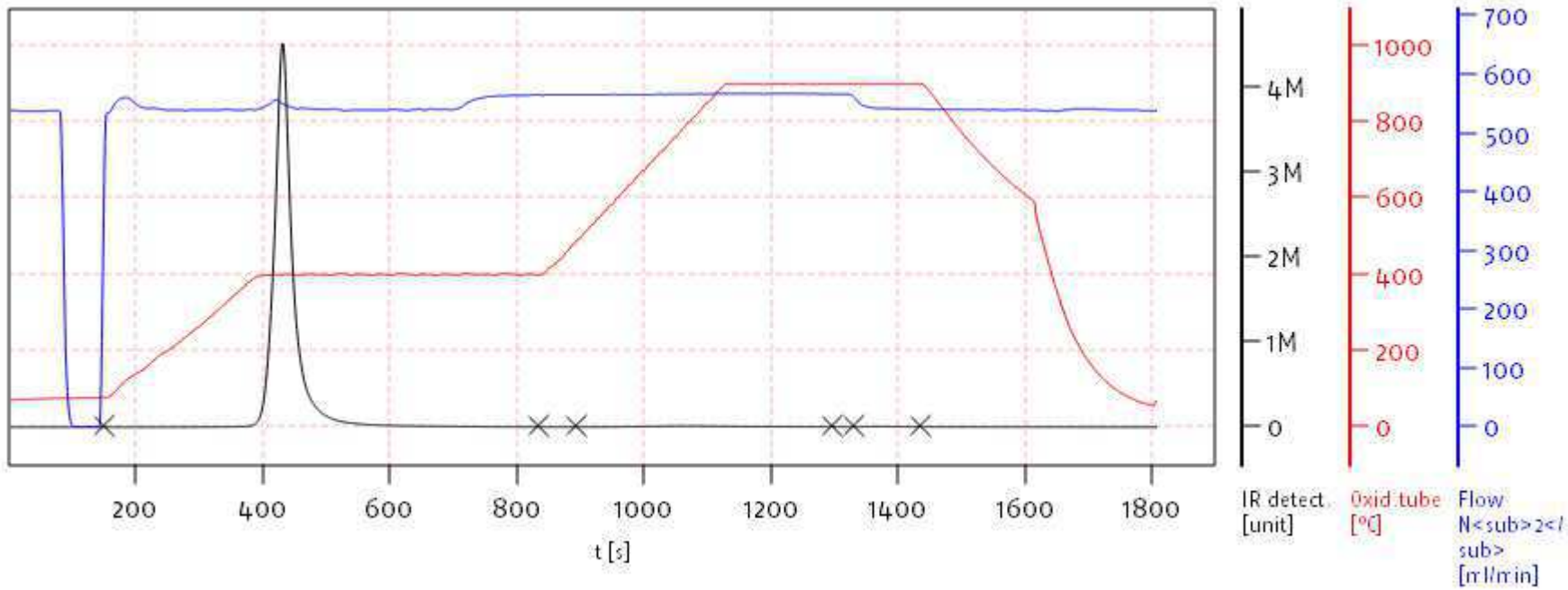
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
130	41	BKL0651-BS1	19.40		CARBON	12/31/2022 8:07 AM	bl	44.366	5 806 715	44.931	0.000	21 895	97 256	44.366	0.564	0.9619	1.0000



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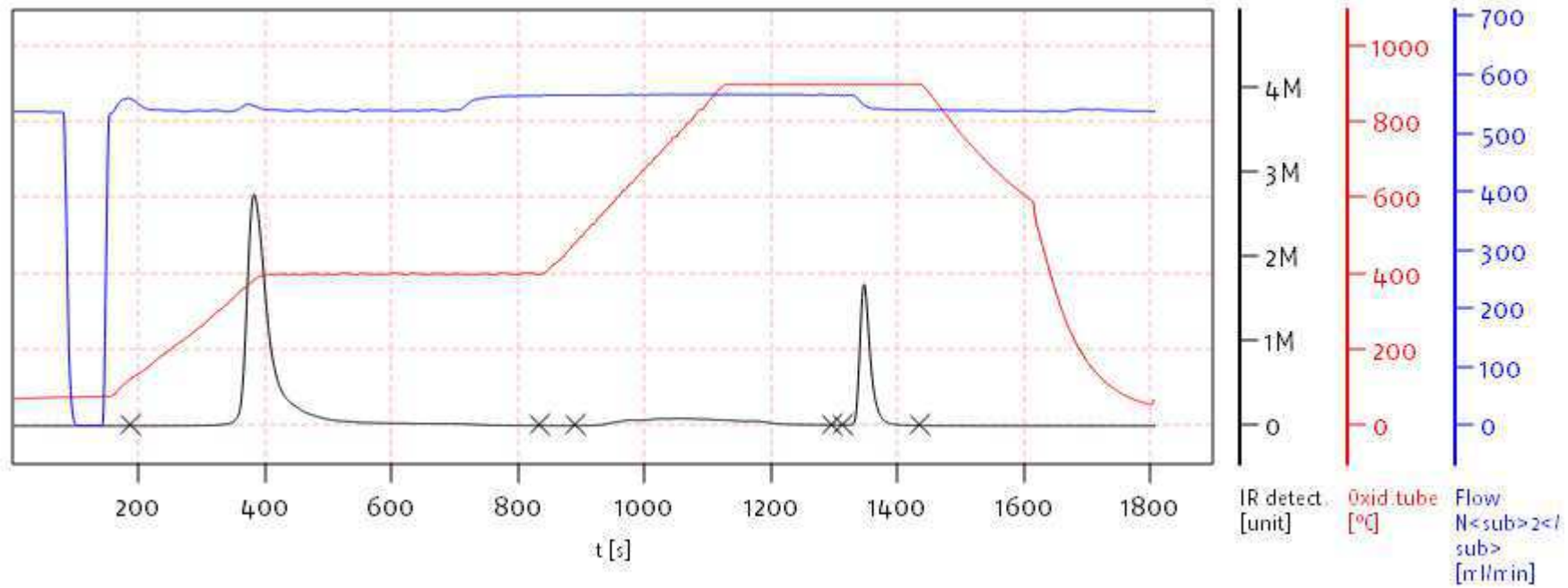
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
131	42	BKL0651-SRM1	285.60		CARBON	12/31/2022 8:38 AM	bl	2.988	4 496 099	3.372	0.658	1 240 705	734 282	2.330	0.384	0.9619	1.0000



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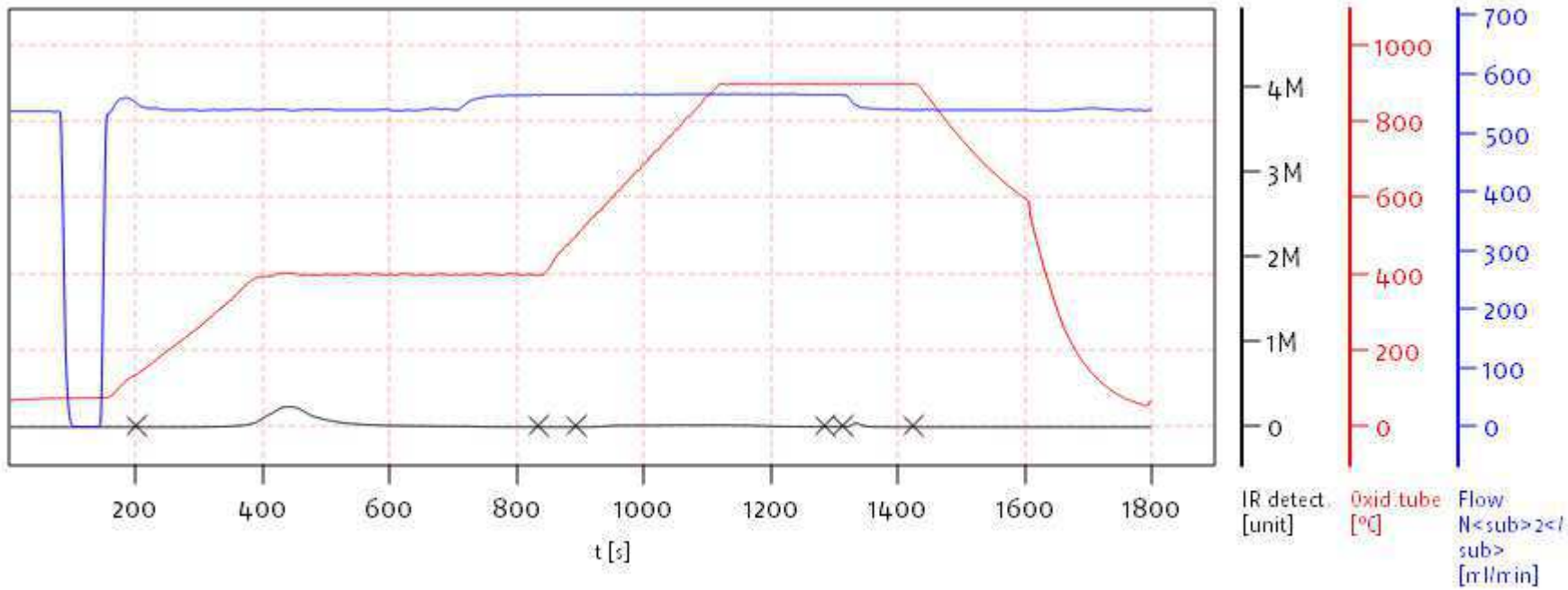
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
132	43	22L0329-21	534.70		CARBON	12/31/2022 9:08 AM	bl	0.258	945 095	0.312	0.002	34 300	212 798	0.256	0.054	0.9619	1.0000



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Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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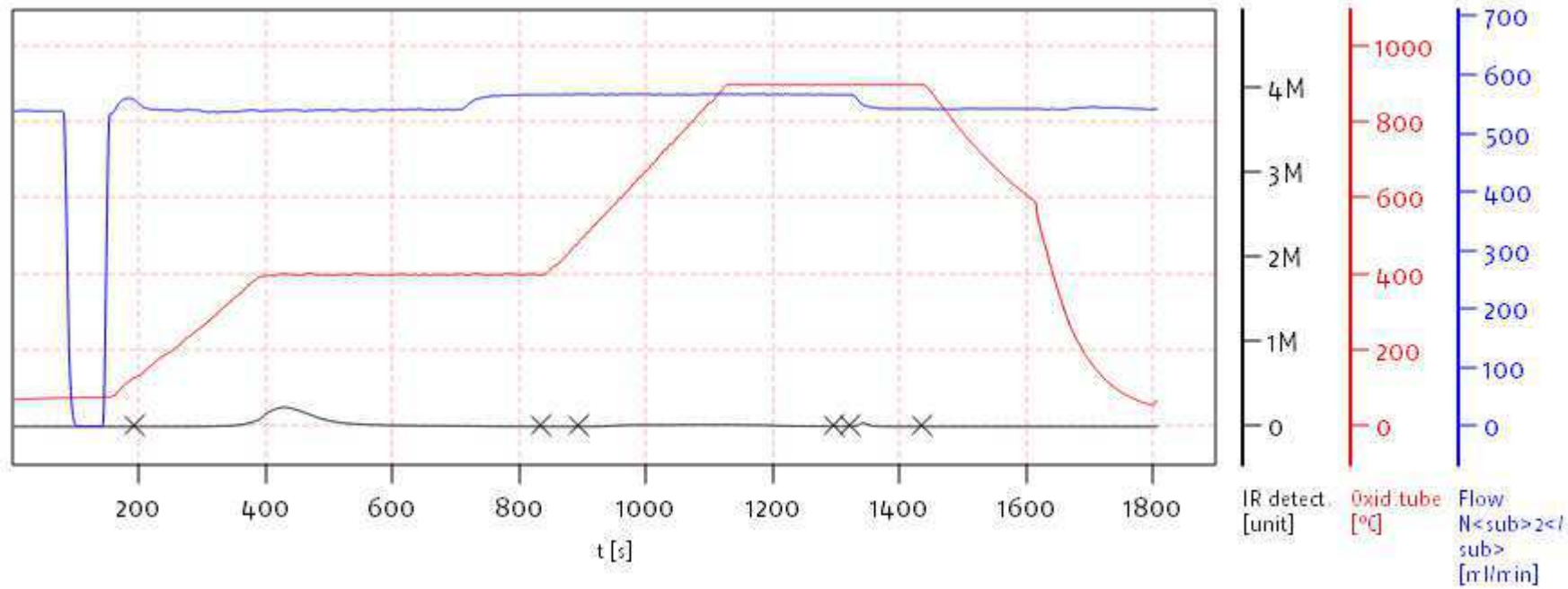
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
133	44	BKL0651-DUP1	509.30		CARBON	12/31/2022 9:39 AM	bl	0.265	928 894	0.320	0.001	29 447	208 309	0.264	0.055	0.9619	1.0000



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Balance: BAL3
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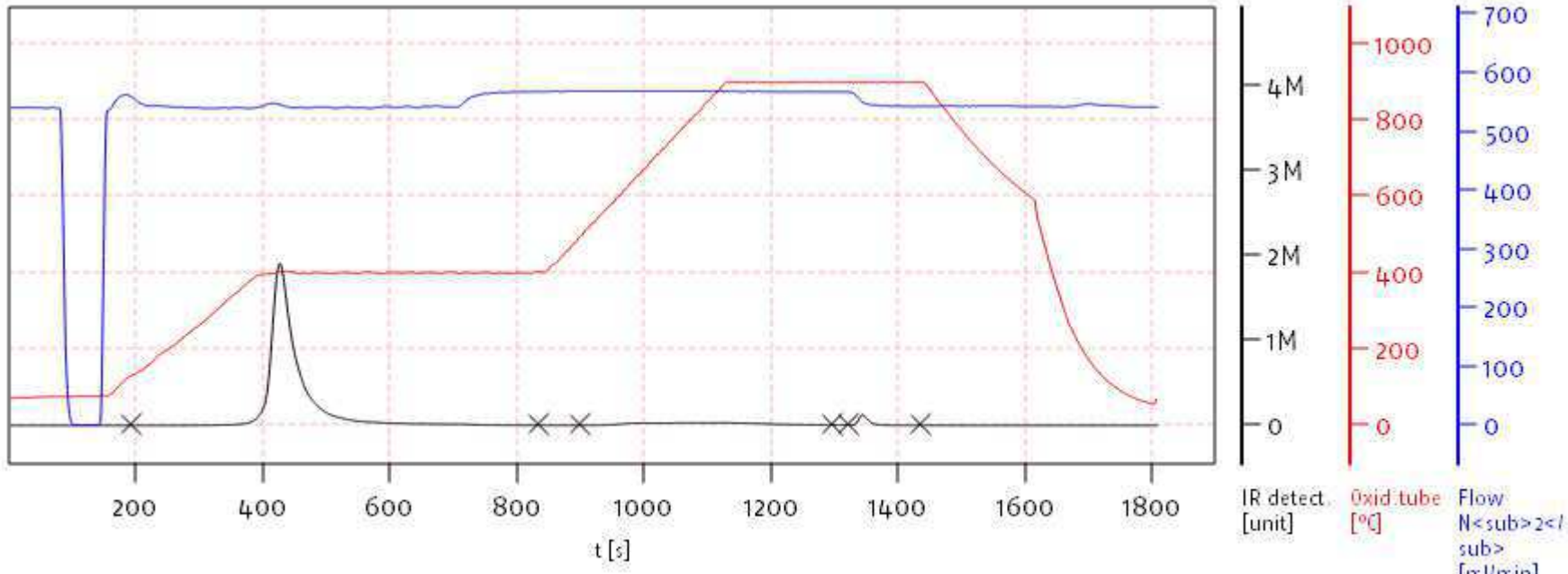
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
134	45	BKL0651-MS1	546.30	0.0079	CARBON	12/31/2022 10:09 AM	bl	0.932	3 381 307	1.006	0.017	88 143	286 964	0.914	0.074	0.9619	1.0000



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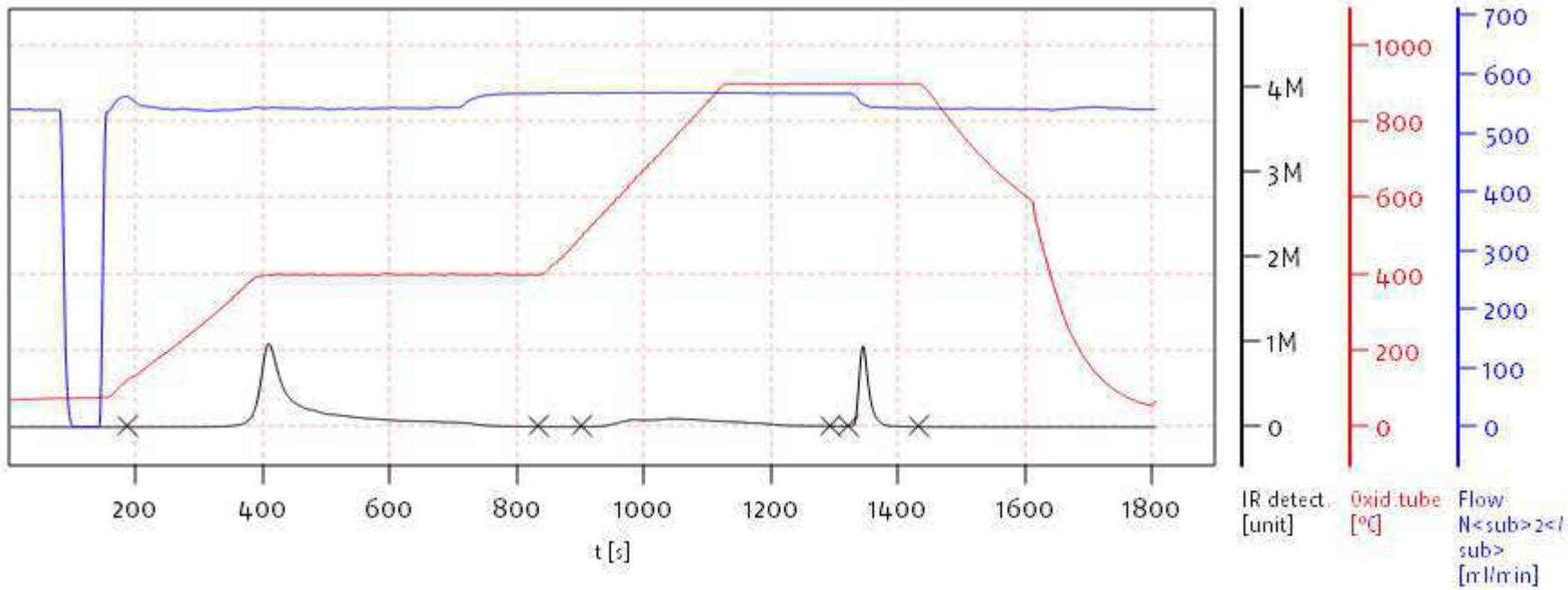
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
135	46	22L0329-22	503.90		CARBON	12/31/2022 10:40 AM	bl	0.974	2 662 419	1.199	0.195	662 448	757 820	0.779	0.225	0.9619	1.0000



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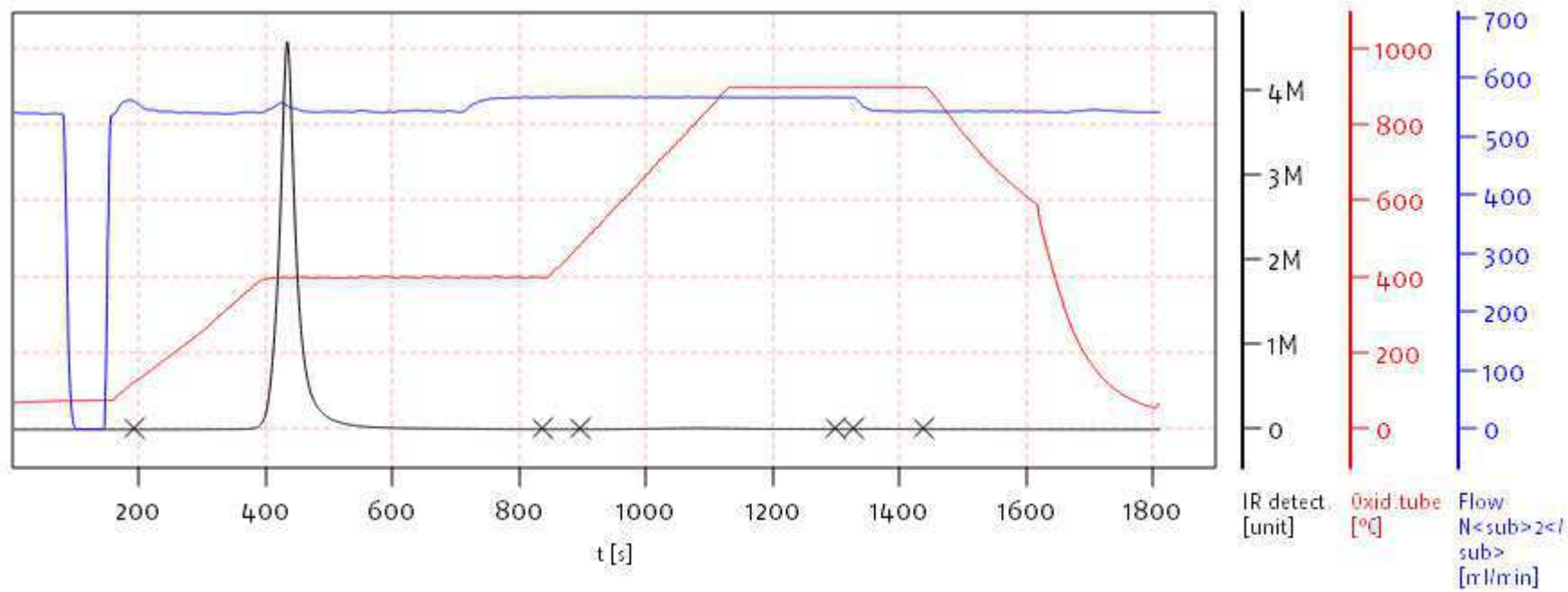
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
136	47	SKL0336-CCVB	19.30		CARBON	12/31/2022 11:11 AM	bl	44.262	5 763 356	44.972	0.000	21 763	115 129	44.262	0.711	0.9619	1.0000



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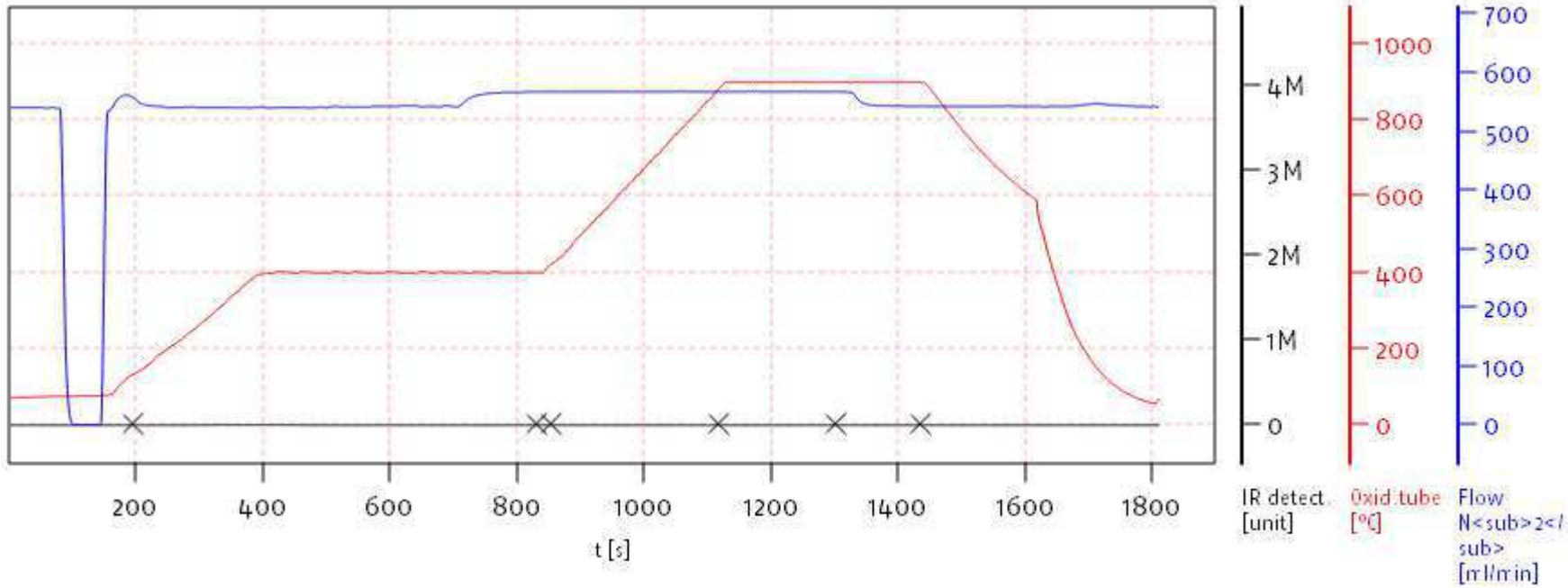
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
137	48	SKL0336-CCB	537.60		CARBON	12/31/2022 11:41 AM	bl,C3u,C2u	0.000	14 989	0.000	0.000	624	369	0.000	0.000	0.9619	1.0000



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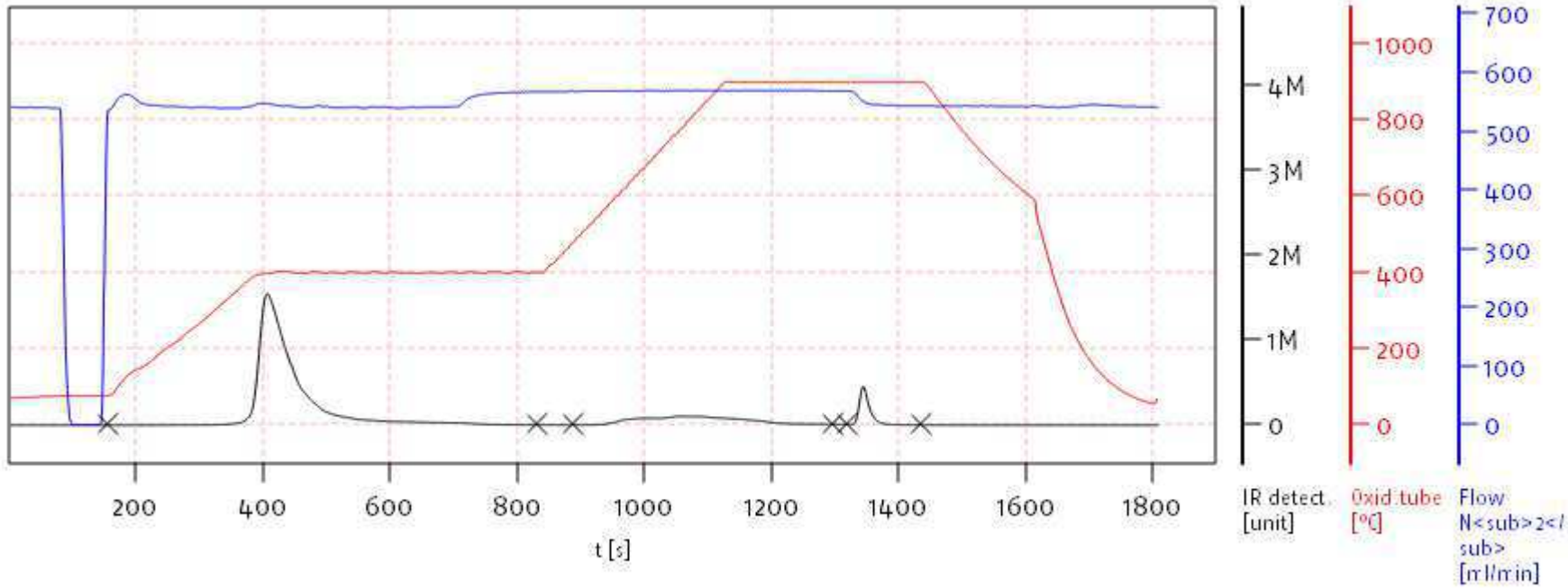
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
138	49	22L0329-23	526.70		CARBON	12/31/2022 12:12 PM	bl	1.136	3 736 415	1.363	0.087	321 930	801 042	1.049	0.228	0.9619	1.0000



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Balance: BAL3
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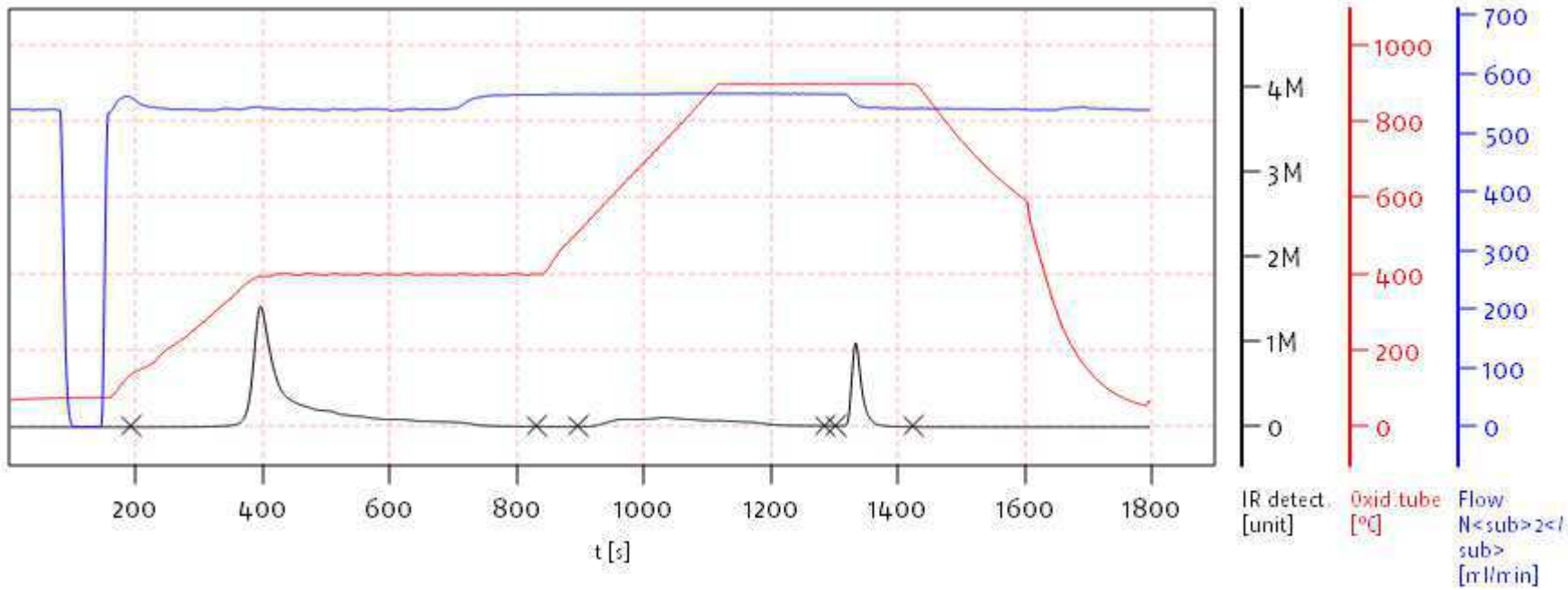
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
139	50	22L0329-24	512.40		CARBON	12/31/2022 12:42 PM	bl	1.181	3 389 869	1.437	0.204	701 481	872 703	0.977	0.256	0.9619	1.0000



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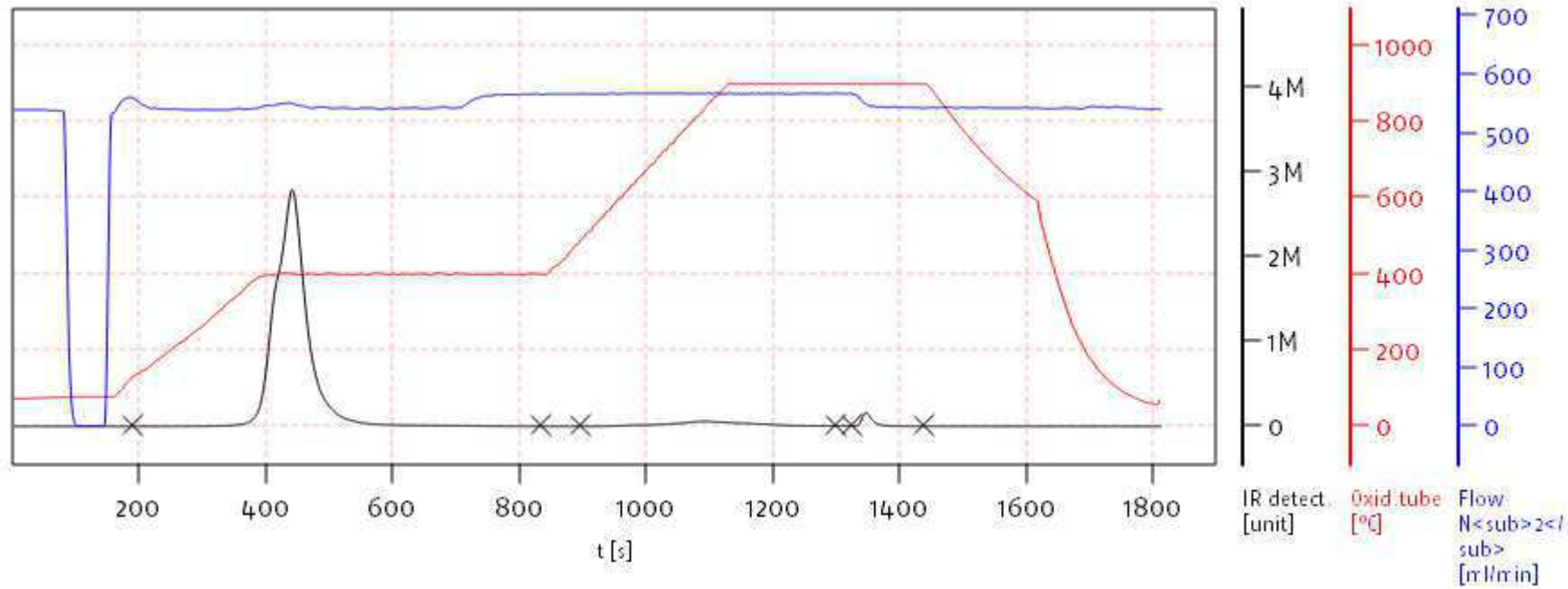
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
140	51	22L0329-25	527.60		CARBON	12/31/2022 1:13 PM	bl	1.722	6 032 597	1.814	0.027	118 871	339 551	1.695	0.092	0.9619	1.0000



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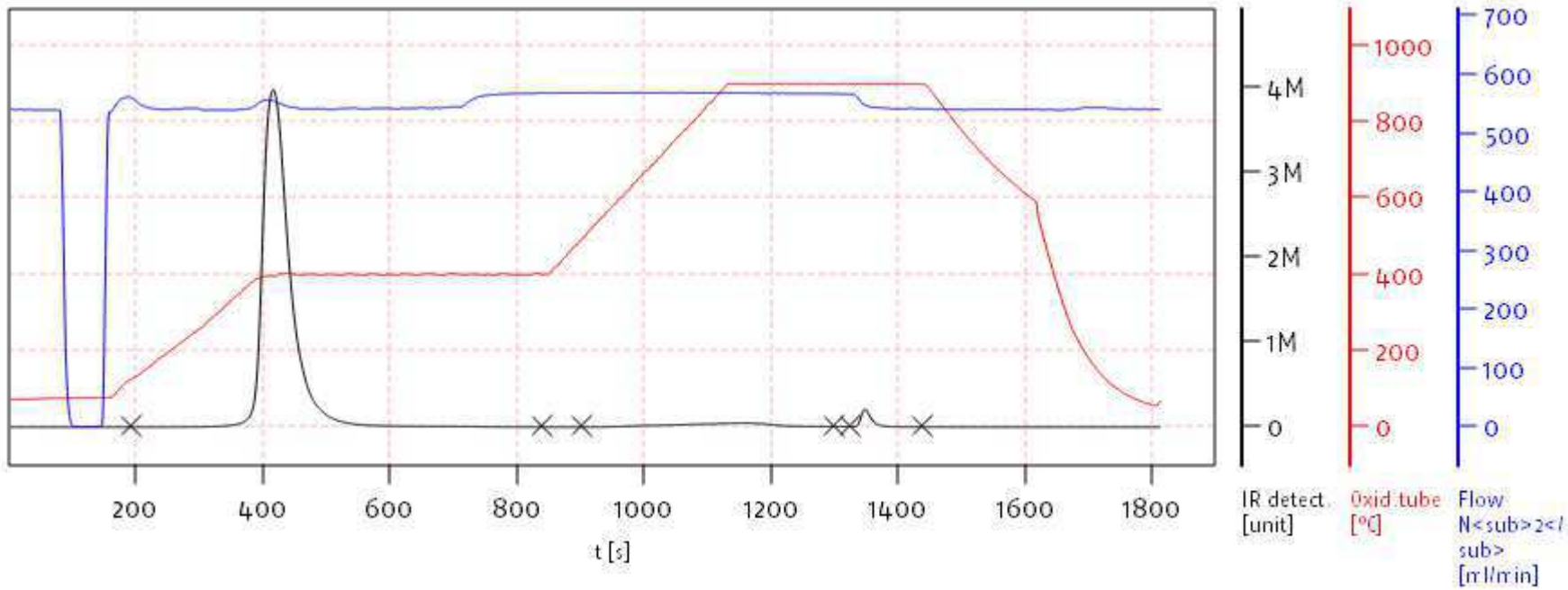
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
141	52	22L0329-26	515.90		CARBON	12/31/2022 1:43 PM	bl	2.171	7 416 684	2.259	0.038	153 467	320 089	2.133	0.088	0.9619	1.0000



Name:

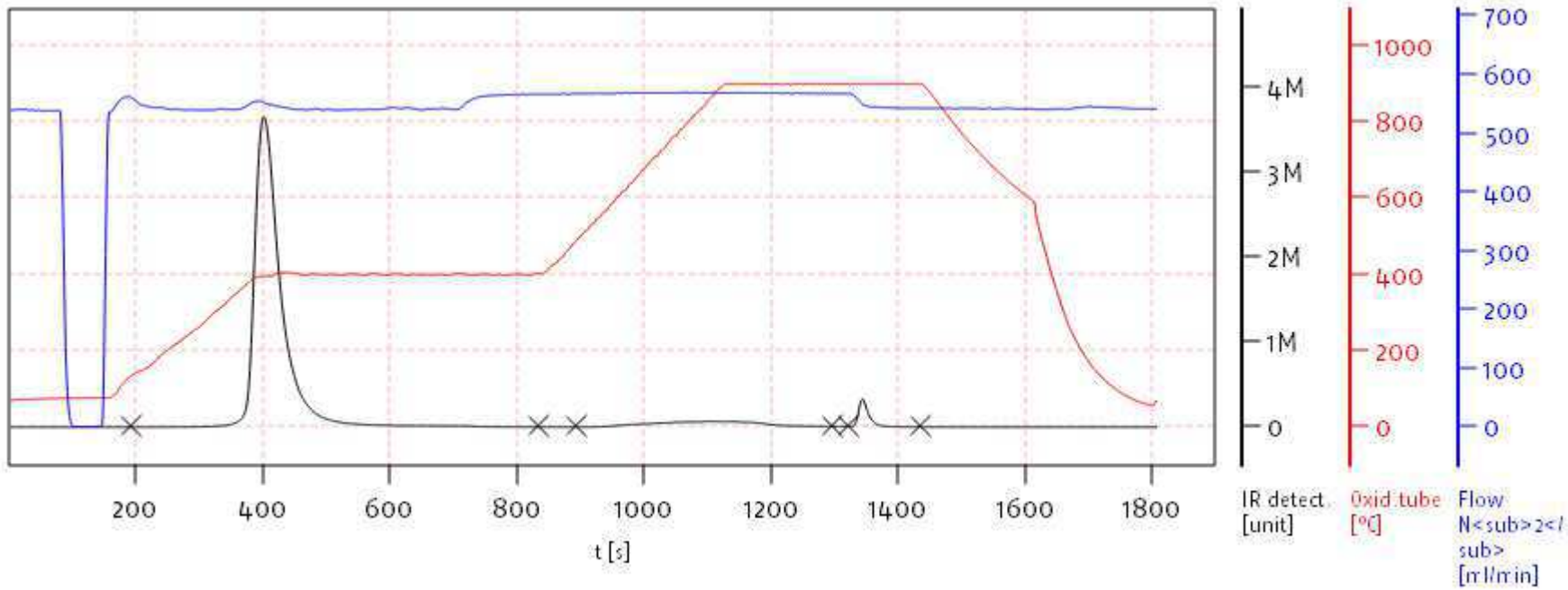
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
142	53	22L0329-27	505.00		CARBON	12/31/2022 2:14 PM	bl	1.989	6 556 551	2.142	0.063	233 415	524 881	1.925	0.153	0.9619	1.0000



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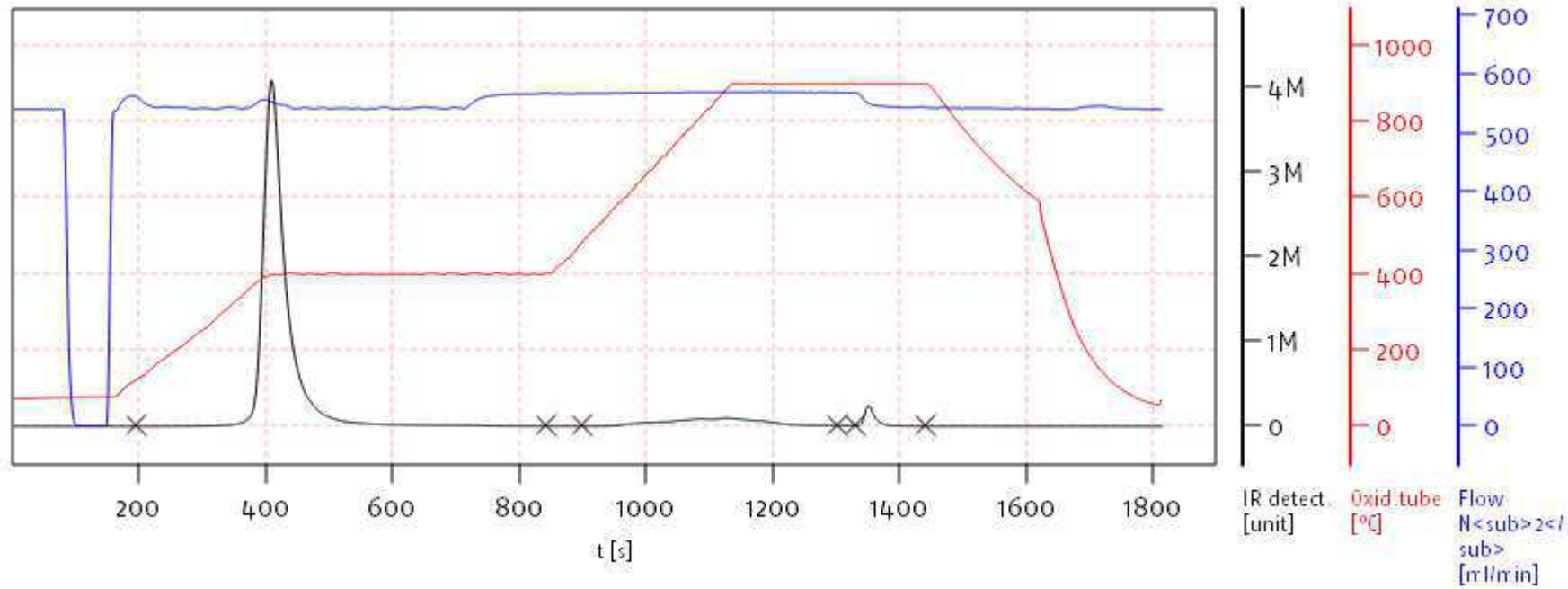
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
143	54	22L0329-28	522.10		CARBON	12/31/2022 2:44 PM	bl	1.863	6 395 374	2.054	0.046	182 984	671 039	1.816	0.191	0.9619	1.0000



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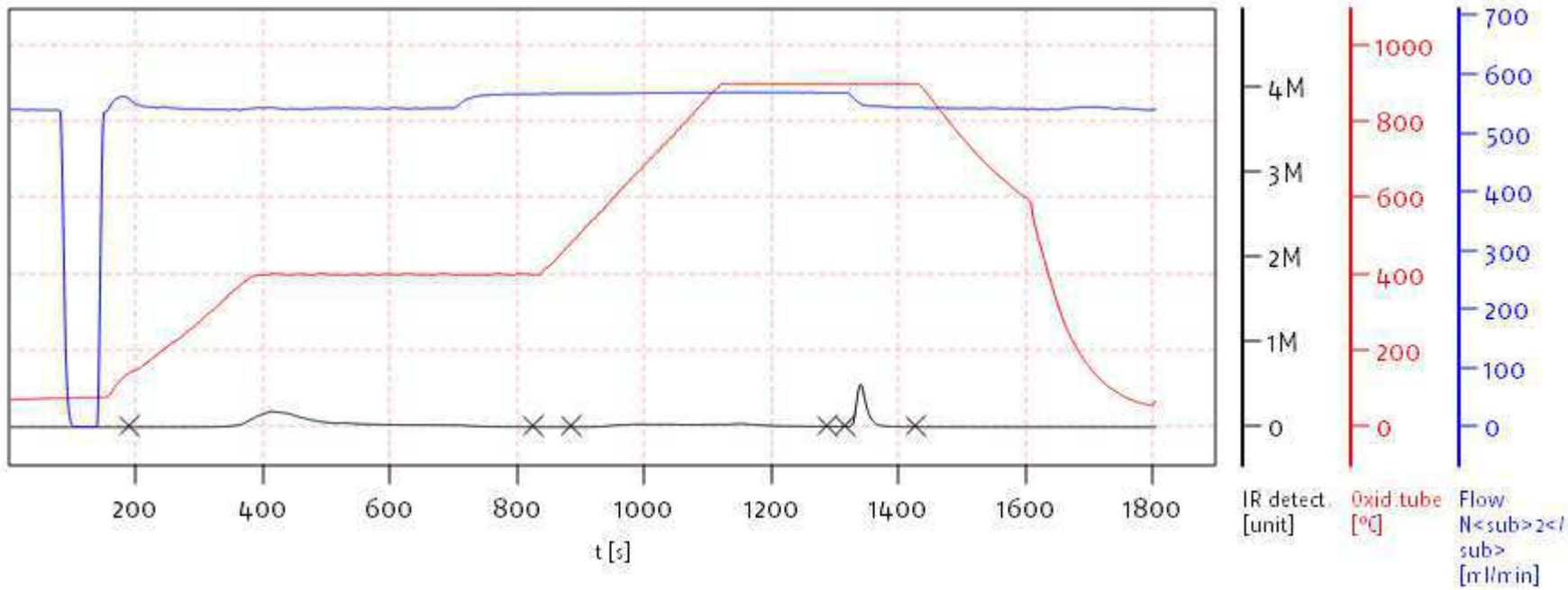
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
144	55	22L0329-29	516.00		CARBON	12/31/2022 3:15 PM	bl	0.352	901 231	0.439	0.099	357 312	318 364	0.252	0.088	0.9619	1.0000



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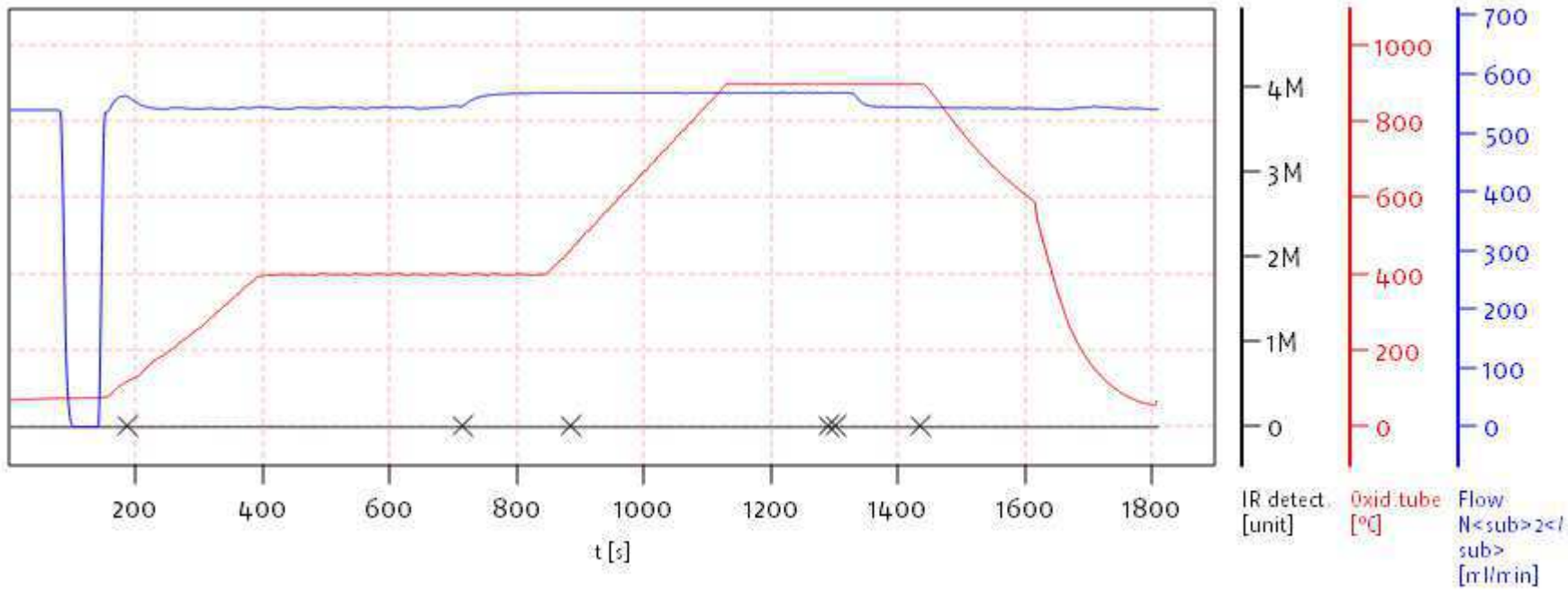
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
145	56	BLANK	1.00		CARBON	12/31/2022 3:46 PM	bl	0.000	8 477	0.000	0.000	377	1 497	0.000	0.000	0.9619	1.0000



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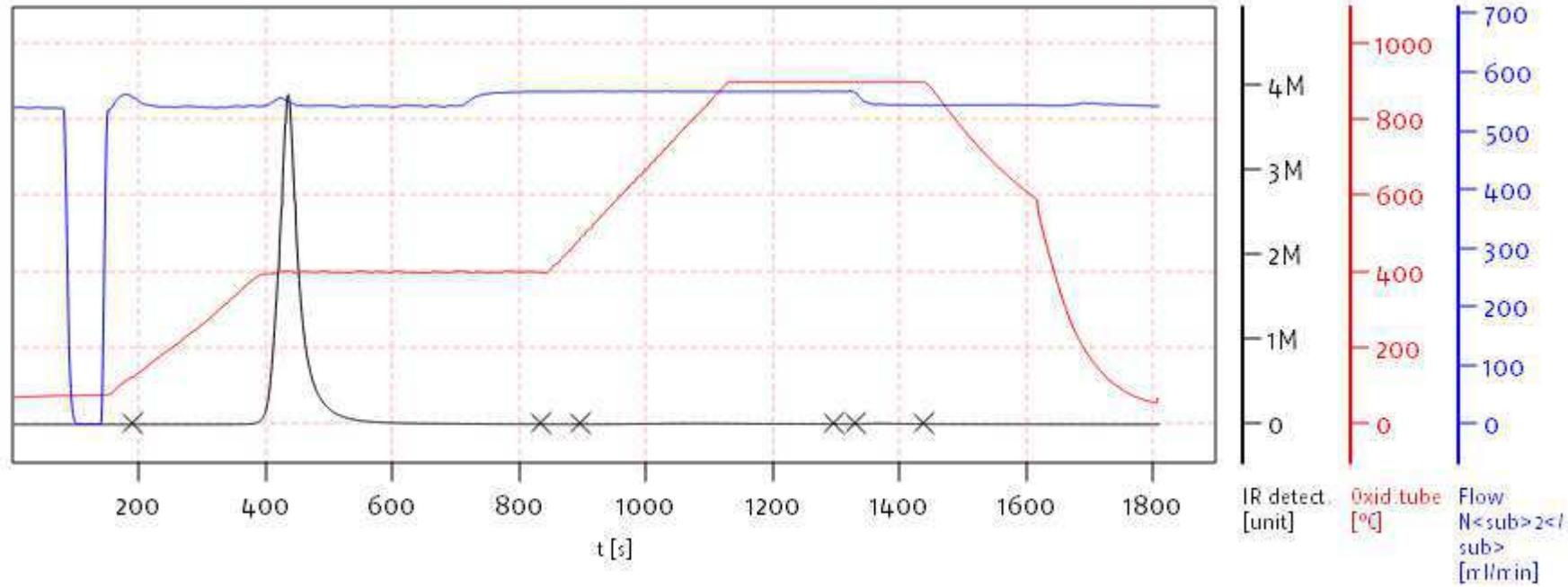
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
146	57	Dfactor	19.30		CARBON	12/31/2022 4:16 PM	bl	44.467	5 642 249	45.050	0.021	29 141	99 276	44.446	0.583	0.9867	1.0000



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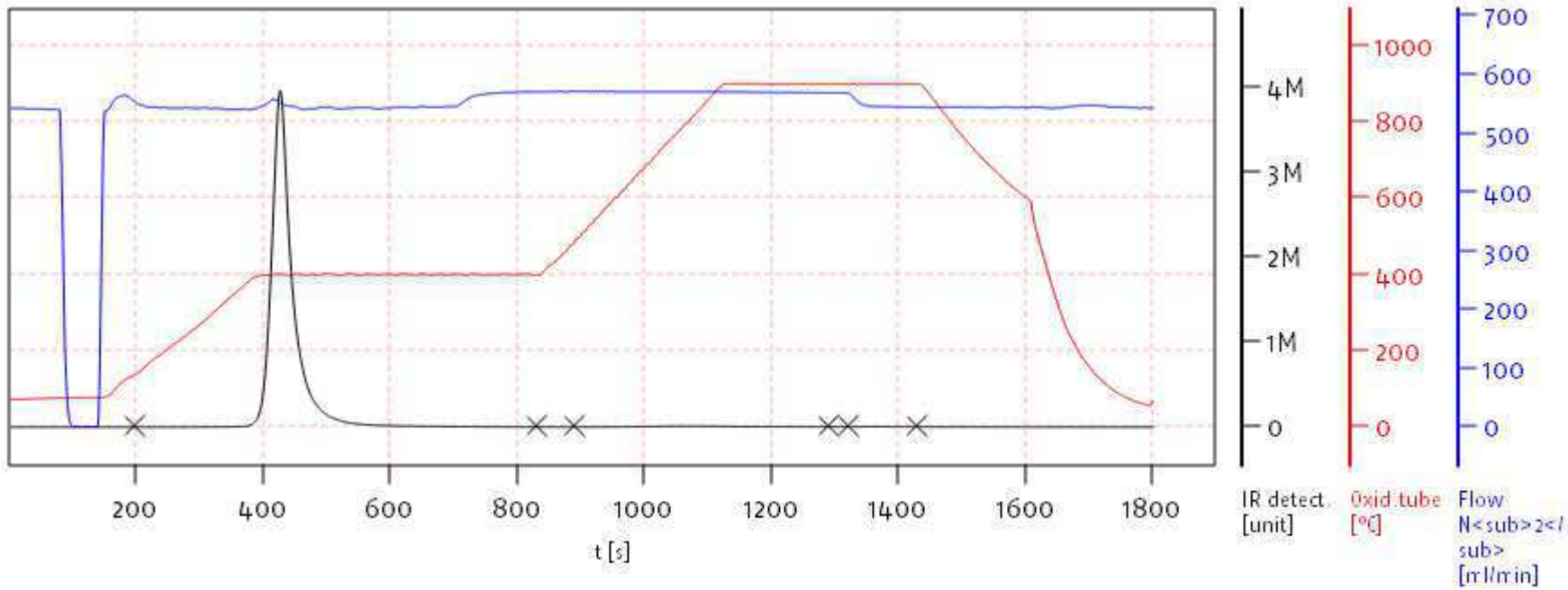
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
147	58	Dfactor	19.20		CARBON	12/31/2022 4:47 PM	bl	44.446	5 701 287	44.935	0.000	19 314	87 237	44.446	0.489	0.9714	1.0000



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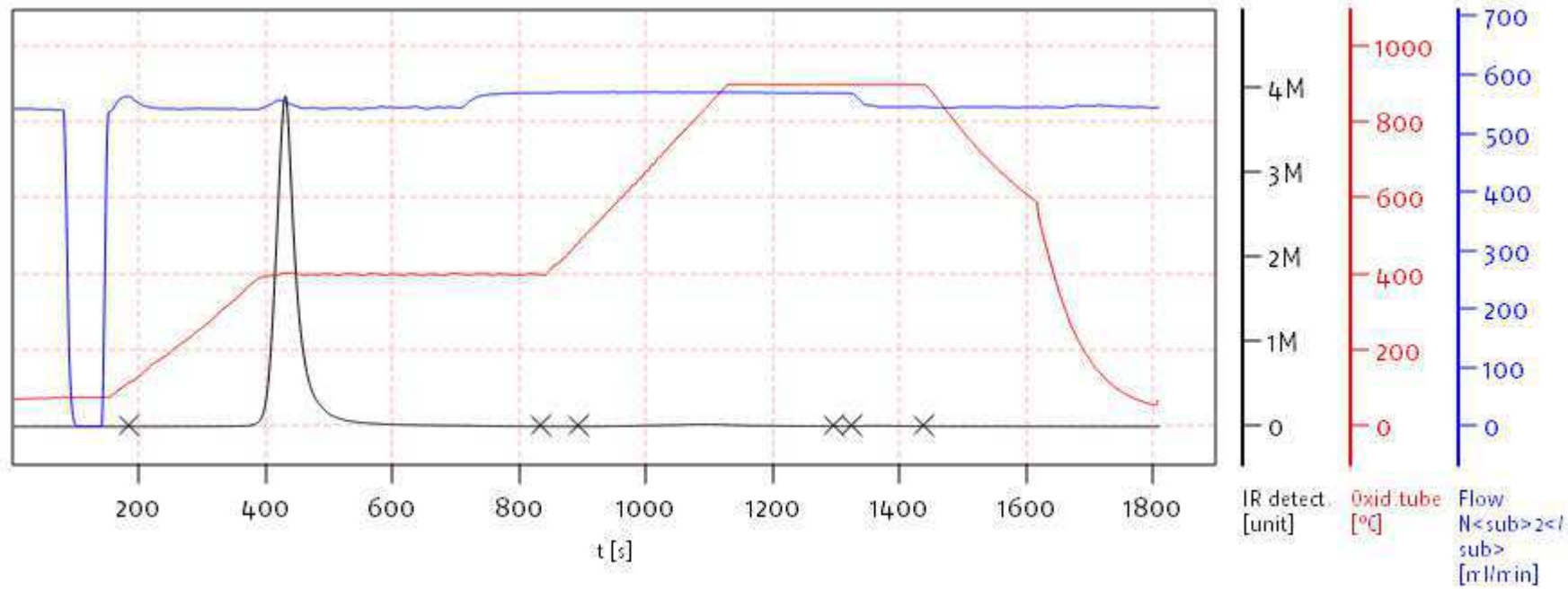
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
148	59	SKL0336-CCVC	19.70		CARBON	12/31/2022 5:17 PM	bl	44.187	5 769 864	45.350	0.000	26 333	174 532	44.187	1.163	0.9791	1.0000



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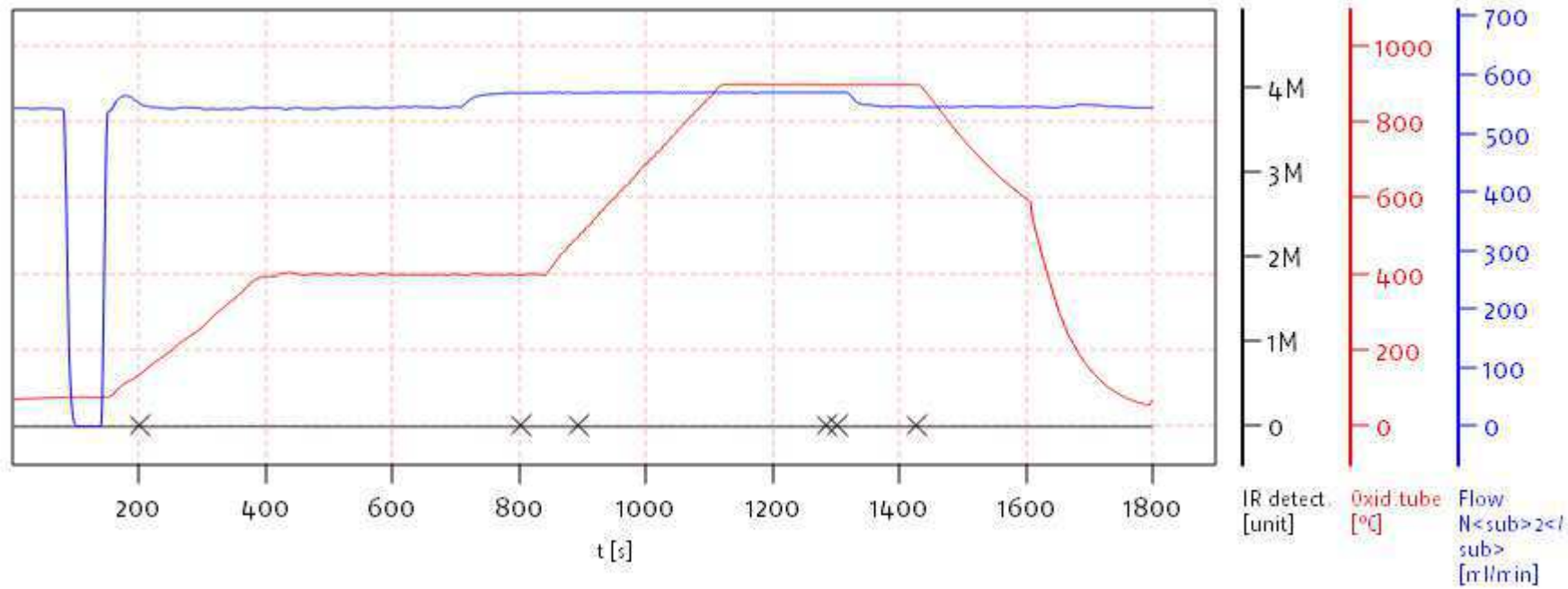
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
149	60	SKL0336-CCBC	512.20		CARBON	12/31/2022 5:48 PM	bl,C3u,C2u	0.000	11 093	0.000	0.000	864	1 929	0.000	0.000	0.9791	1.0000



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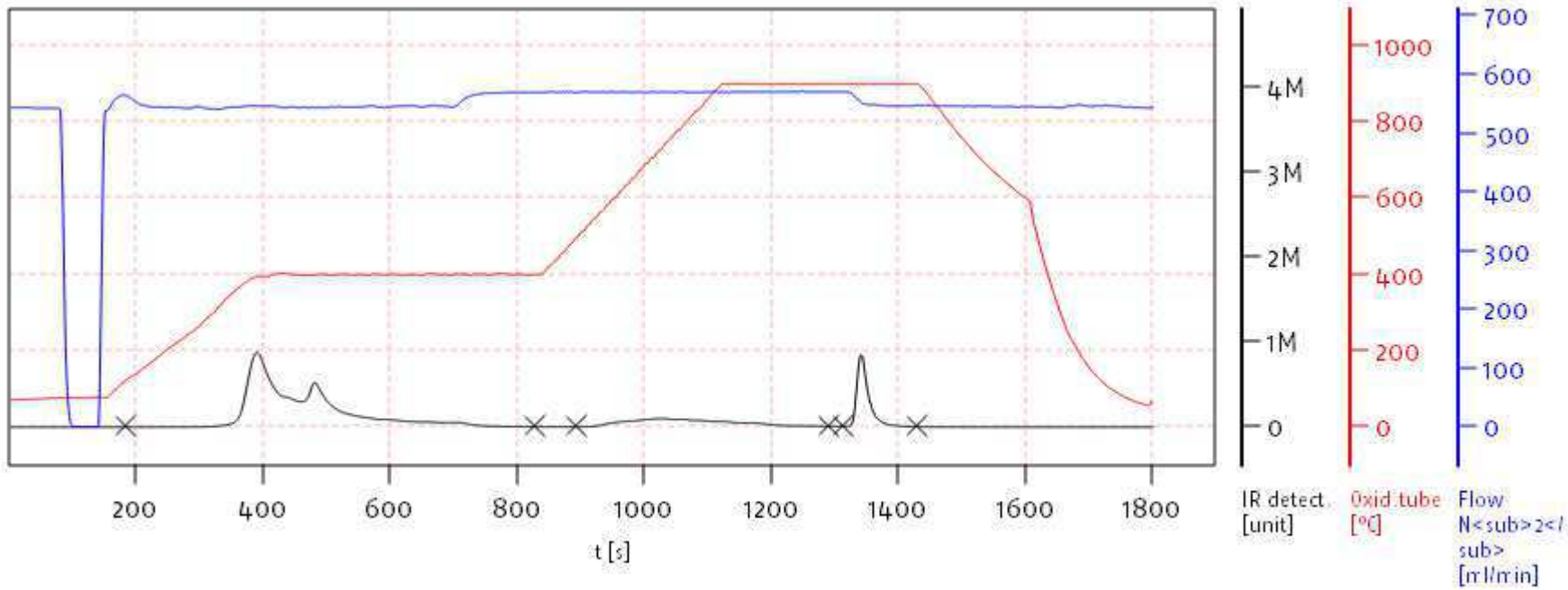
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
150	61	22L0329-30	561.70		CARBON	12/31/2022 6:18 PM	bl	1.080	3 345 240	1.279	0.184	694 697	749 214	0.895	0.199	0.9791	1.0000



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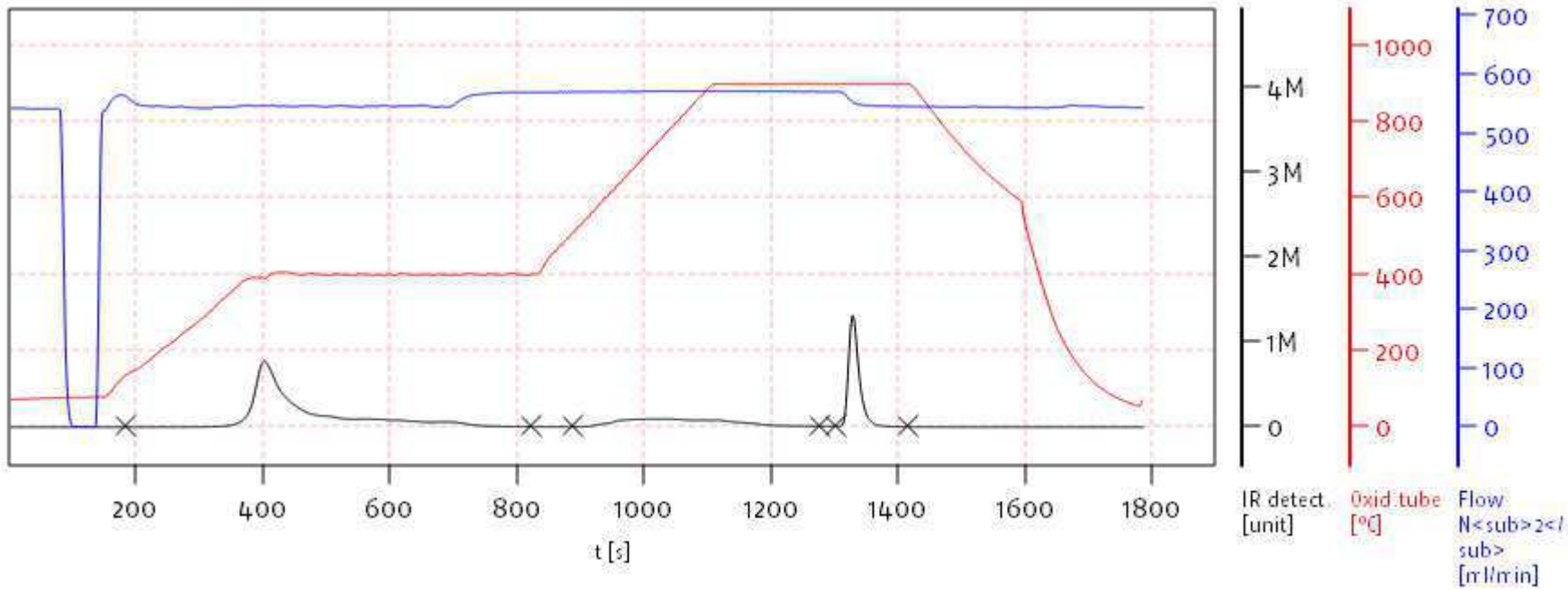
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
151	62	22L0329-31	532.90		CARBON	12/31/2022 6:48 PM	bl	0.960	2 437 504	1.180	0.274	970 845	785 419	0.686	0.220	0.9791	1.0000



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Serial No: 0300.181017
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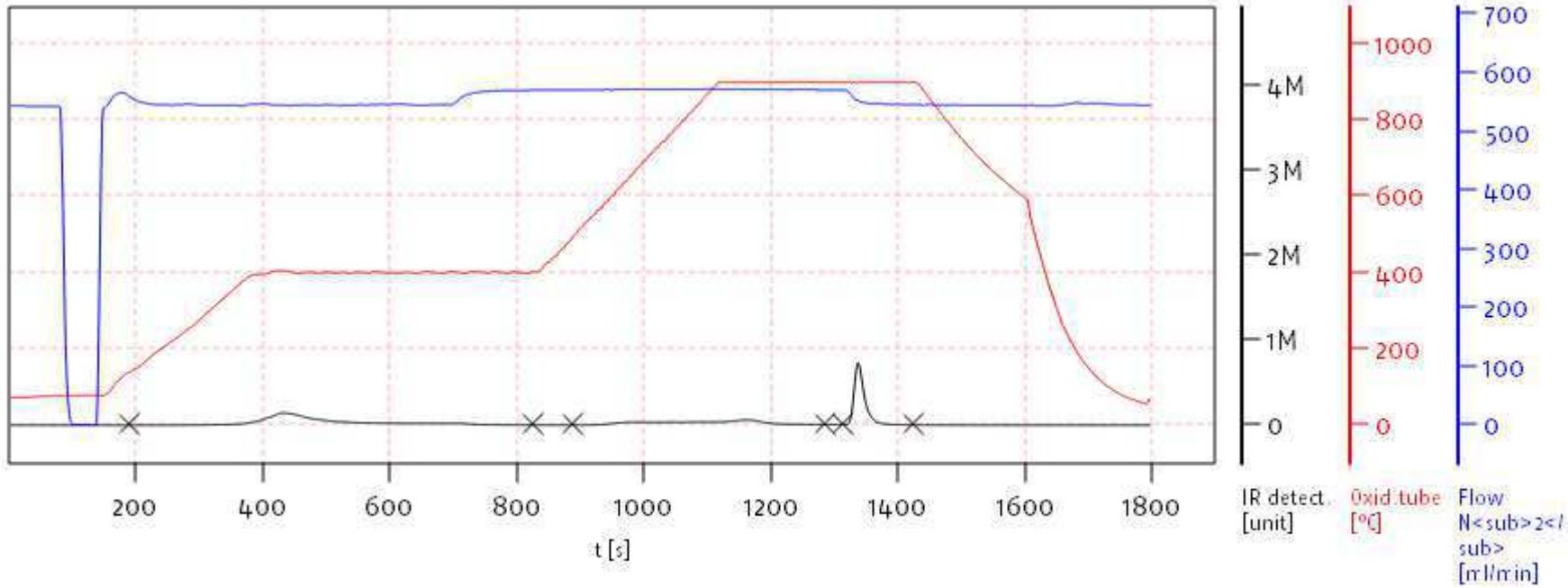
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
152	63	22L0329-32	636.70		CARBON	12/31/2022 7:19 PM	bl	0.278	678 324	0.369	0.123	531 334	403 052	0.155	0.092	0.9791	1.0000



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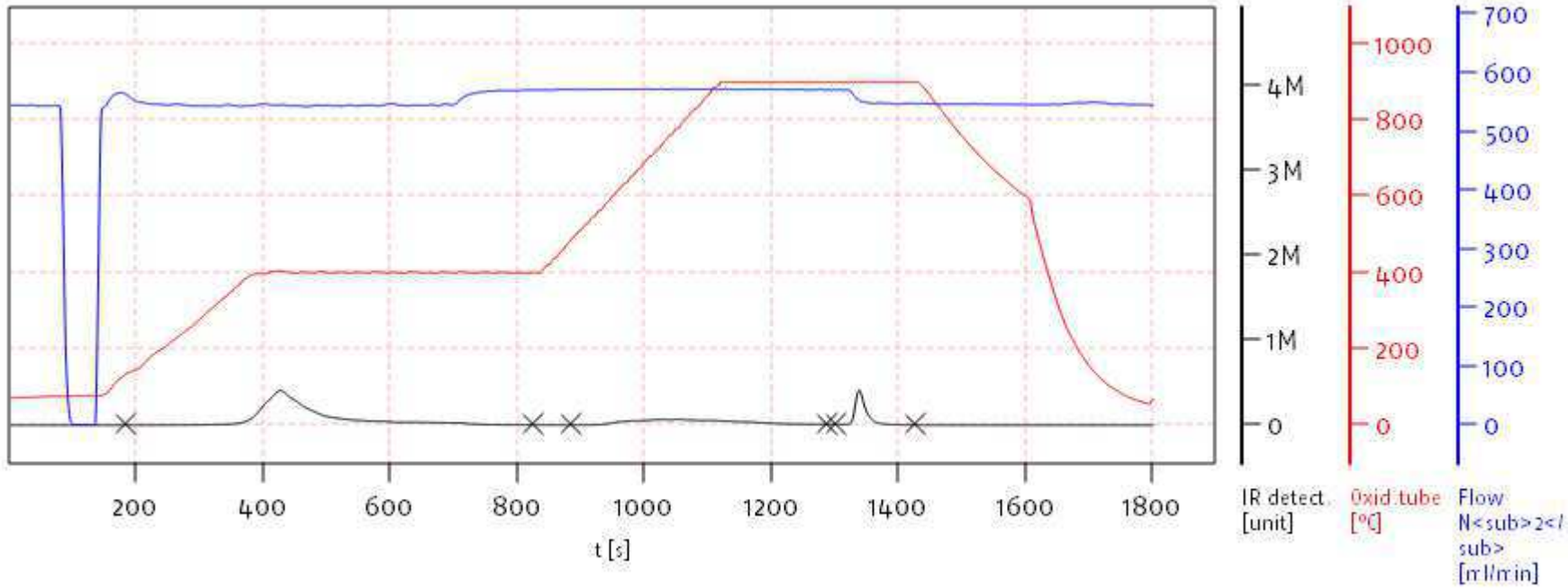
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
153	64	22L0329-33	563.70		CARBON	12/31/2022 7:49 PM	bl	0.483	1 534 676	0.621	0.078	310 333	528 147	0.405	0.138	0.9791	1.0000



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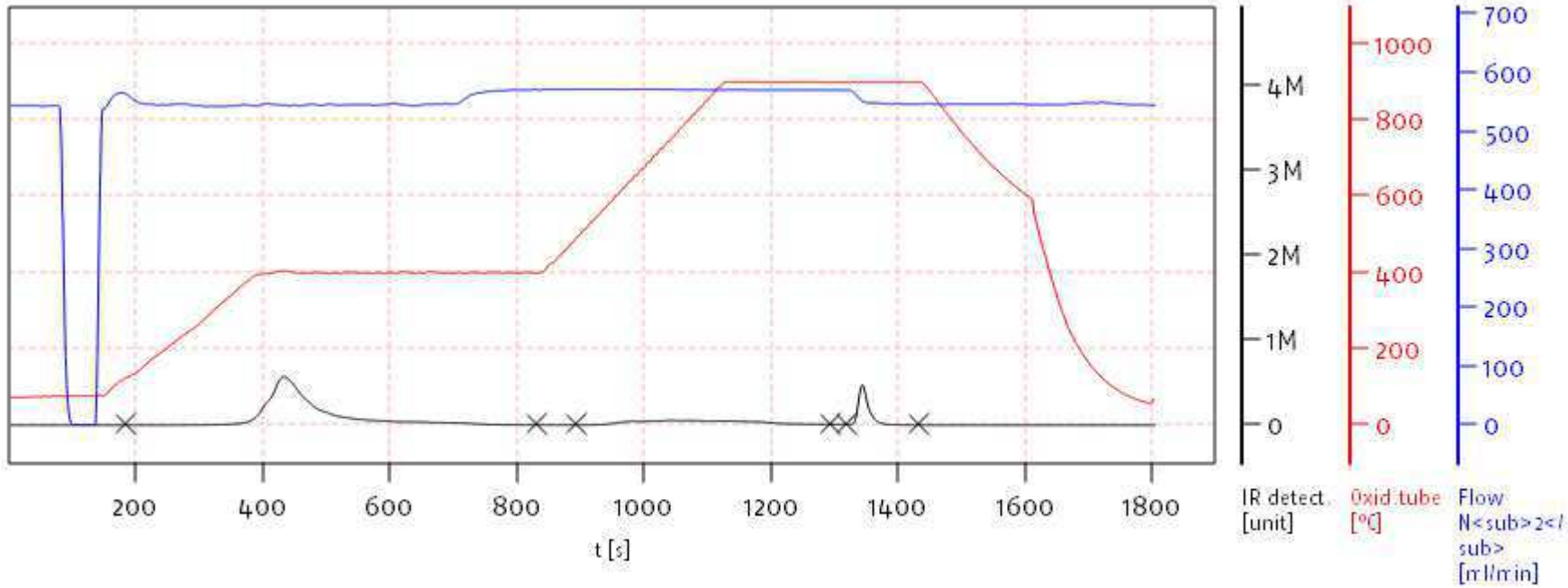
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
154	65	22L0329-34	654.60		CARBON	12/31/2022 8:20 PM	bl	0.512	1 924 577	0.620	0.072	331 303	485 000	0.439	0.108	0.9791	1.0000



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Serial No: 0300.181017
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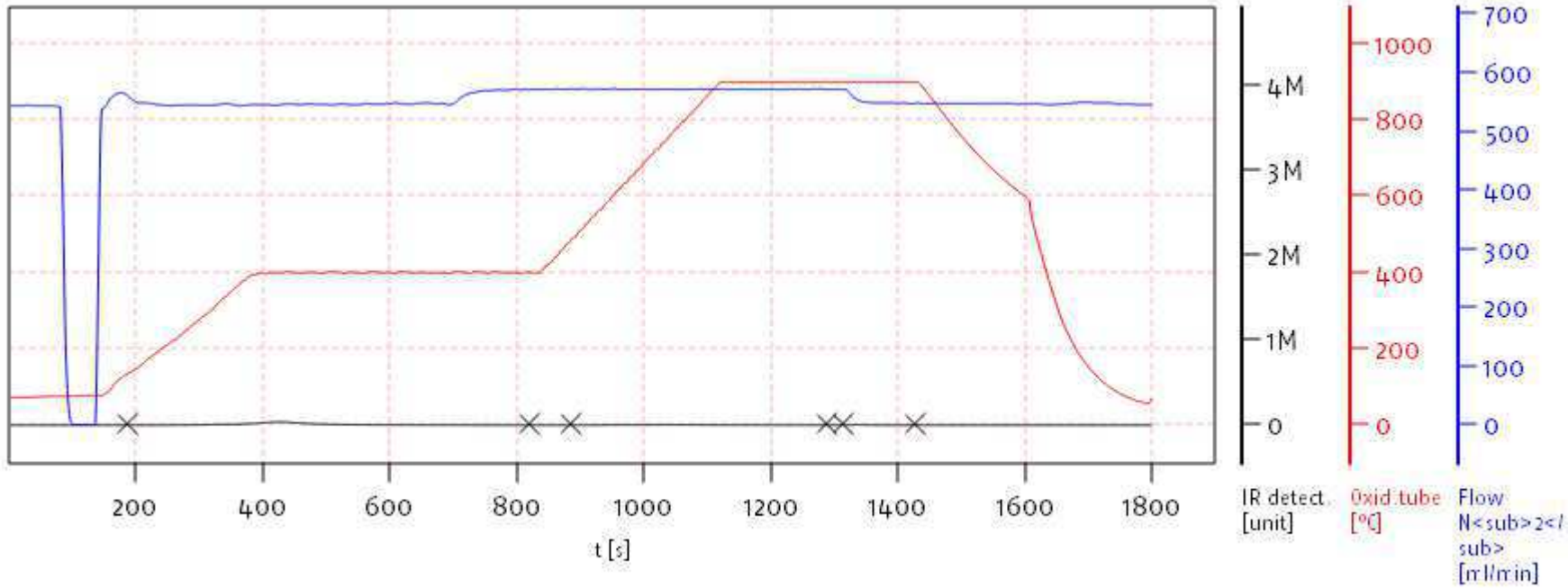
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
155	66	22L0329-35	554.00		CARBON	12/31/2022 8:50 PM	bl	0.041	175 811	0.043	0.000	5 283	32 621	0.041	0.002	0.9791	1.0000



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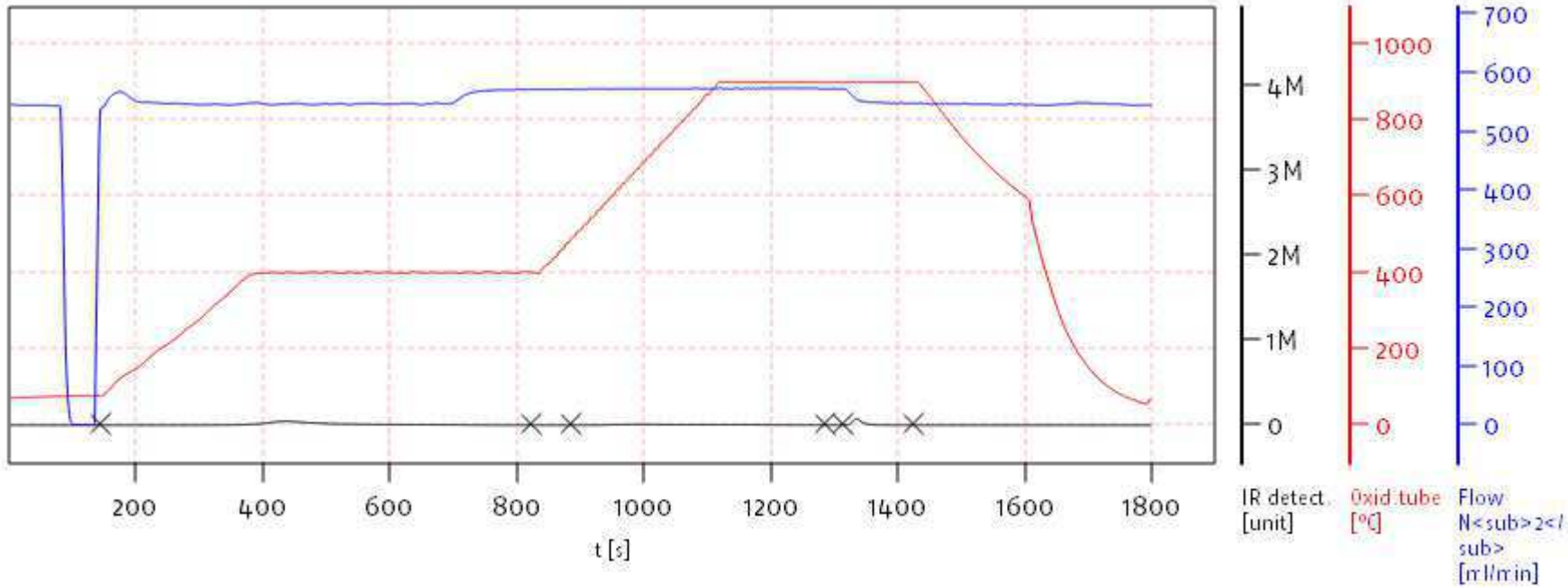
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
156	67	22L0329-36	565.00		CARBON	12/31/2022 9:20 PM	bl	0.058	215 475	0.069	0.007	51 654	69 911	0.051	0.012	0.9791	1.0000



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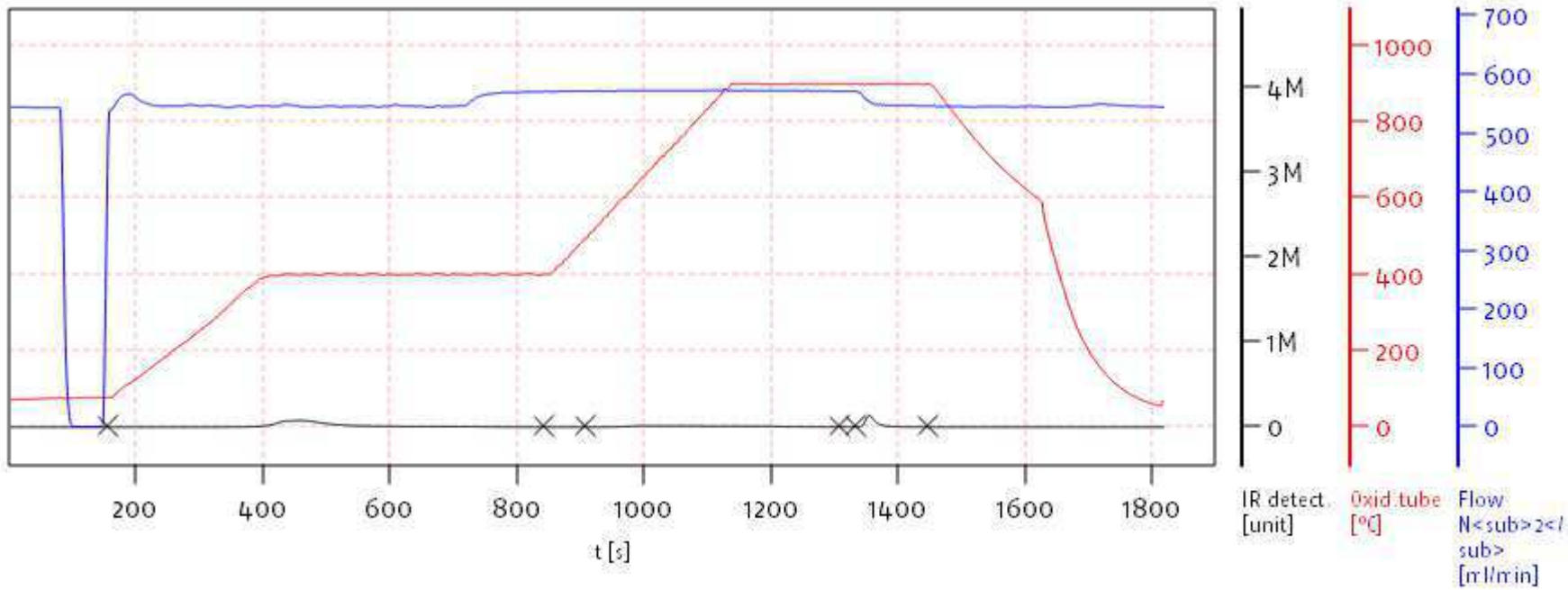
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
157	68	22L0329-37	531.80		CARBON	12/31/2022 9:51 PM	bl	0.110	336 501	0.137	0.022	100 910	120 109	0.088	0.027	0.9791	1.0000



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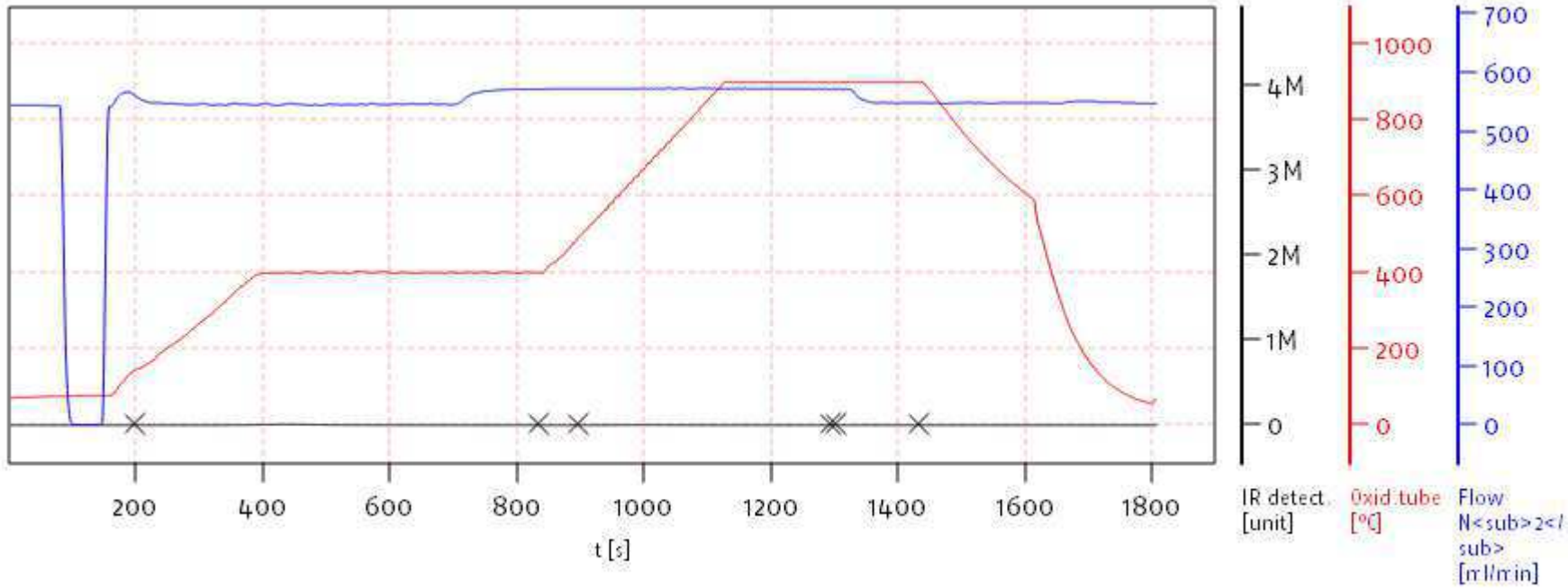
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
158	69	22L0329-38	511.30		CARBON	12/31/2022 10:22 PM	bl,C2u	0.006	45 577	0.006	0.000	2 073	12 913	0.006	0.000	0.9791	1.0000



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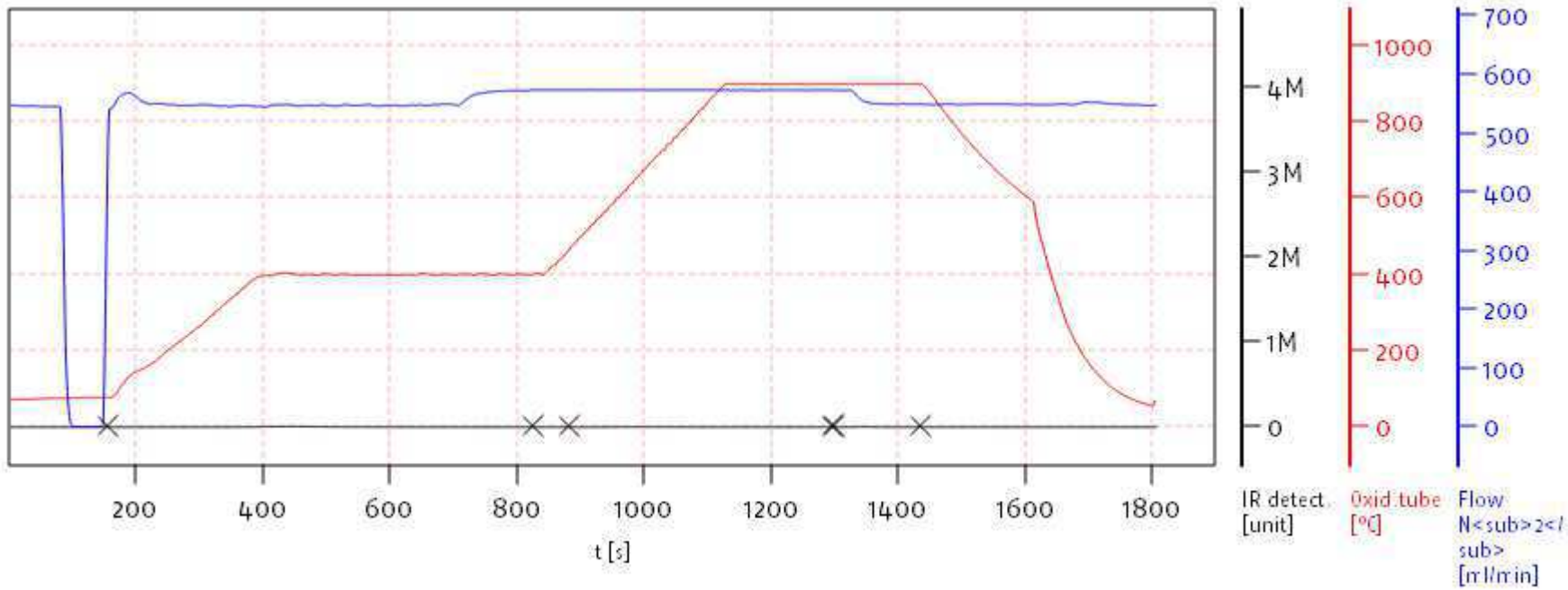
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
159	70	22L0329-39	538.80		CARBON	12/31/2022 10:52 PM	bl	0.003	38 567	0.003	0.000	4 278	11 875	0.003	0.000	0.9791	1.0000



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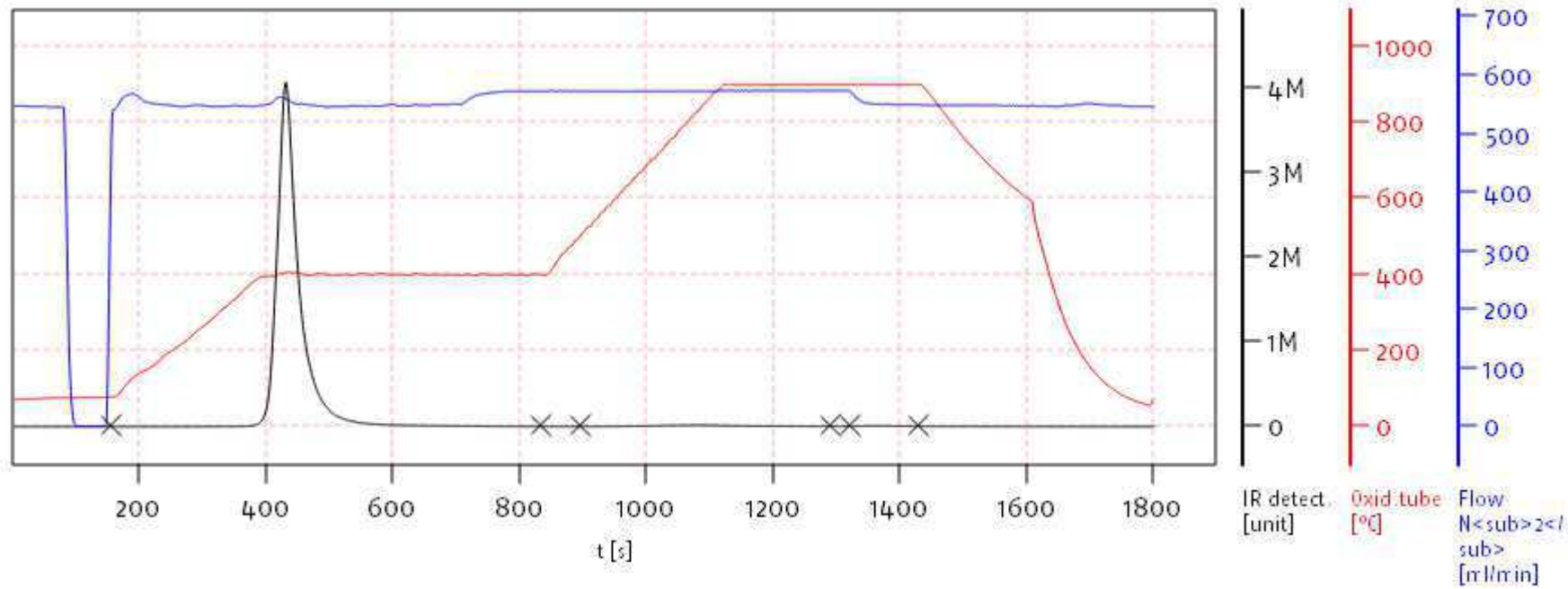
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
160	71	SKL0336-CCVD	20.70		CARBON	12/31/2022 11:23 PM	bl	44.344	6 082 897	44.986	0.000	25 317	112 404	44.344	0.642	0.9791	1.0000



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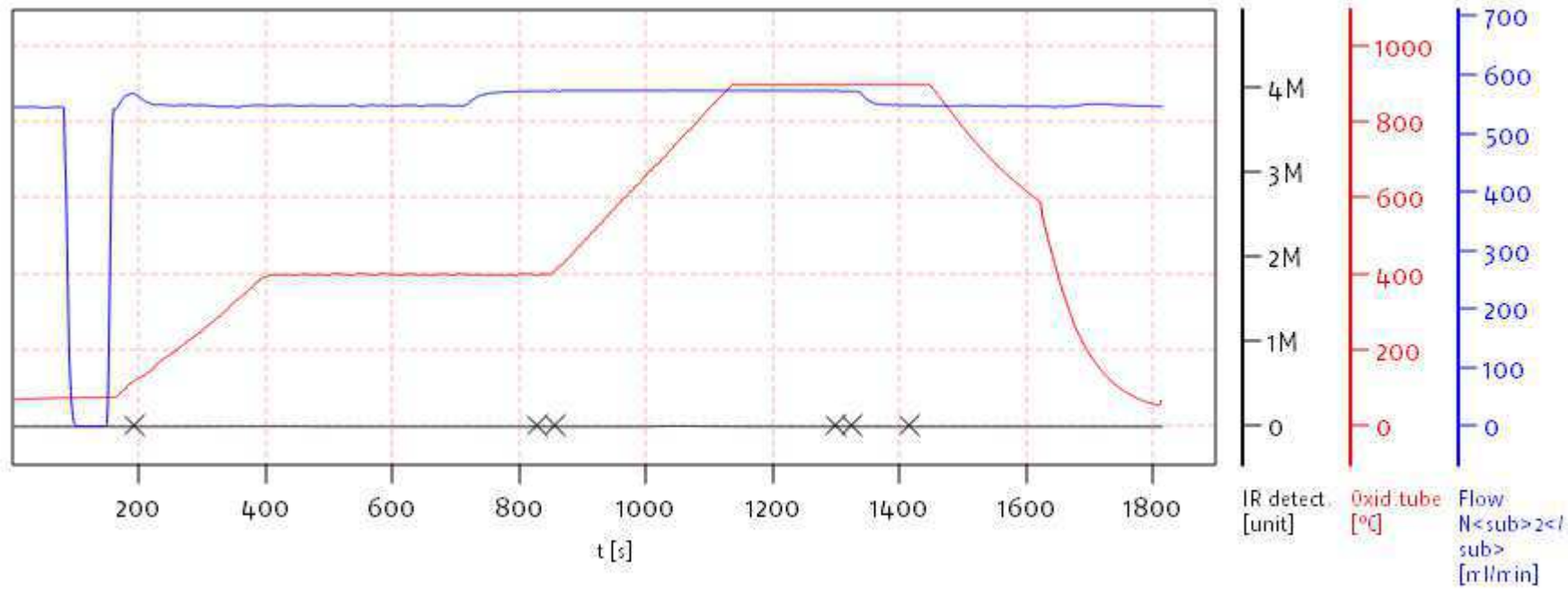
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
161	72	SKL0336-CCBD	510.00		CARBON	12/31/2022 11:53 PM	bl,C2u	0.000	18 170	0.000	0.000	1 299	27 248	0.000	0.000	0.9791	1.0000



Name:

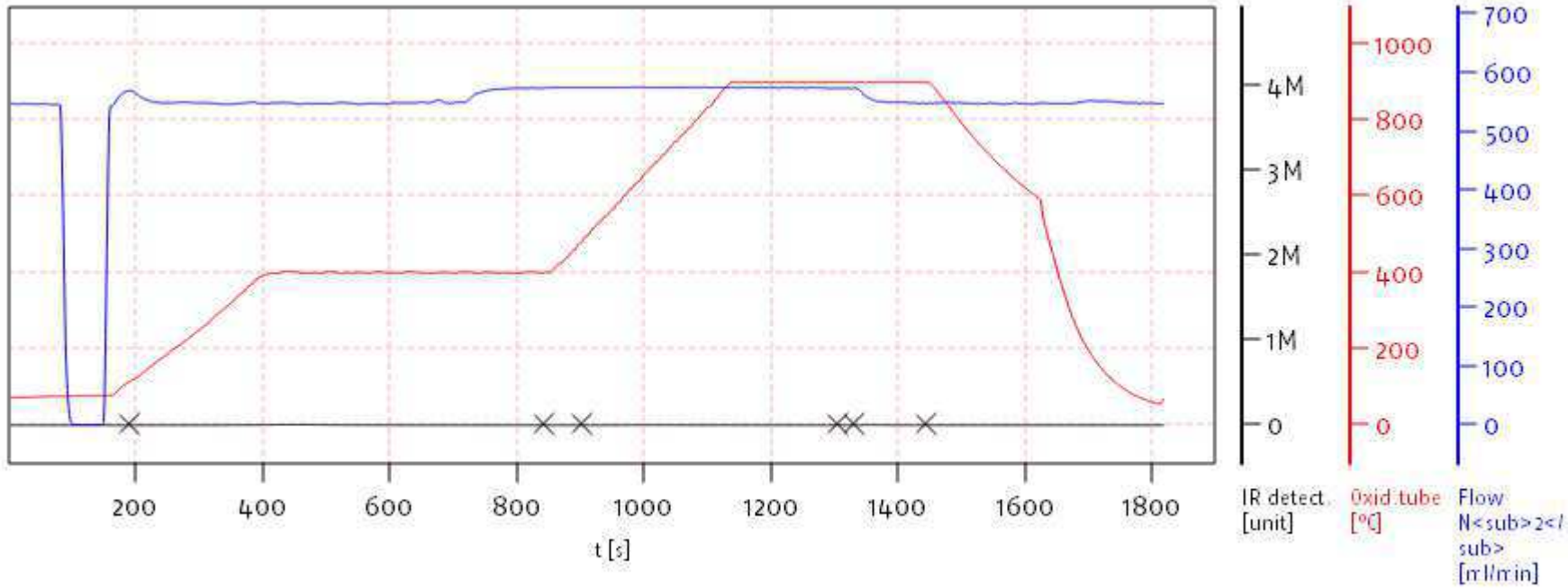
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
162	73	22L0329-40	508.40		CARBON	1/1/2023 12:24 AM	bl	0.003	38 201	0.003	0.000	4 604	12 641	0.003	0.000	0.9791	1.0000



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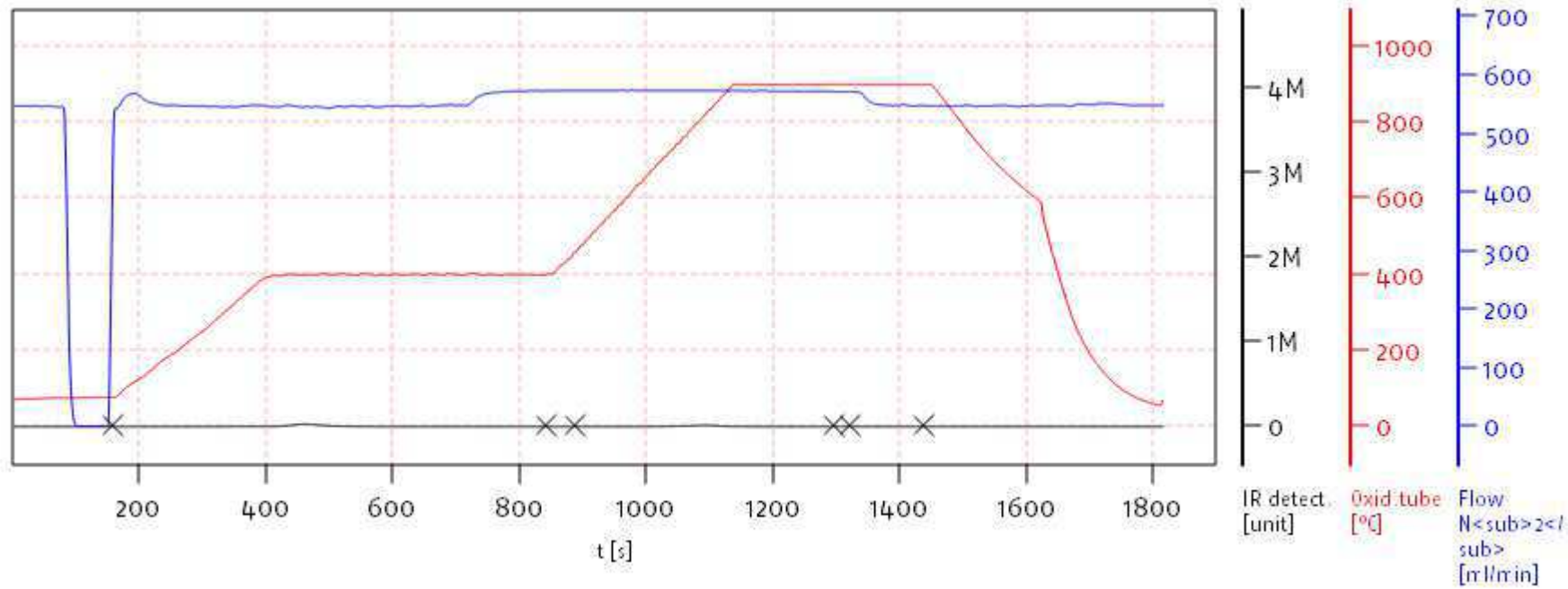
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
163	74	BKL0652-MRL1	548.60		CARBON	1/1/2023 12:55 AM	bl,C2u	0.013	73 613	0.016	0.000	678	38 165	0.013	0.003	0.9791	1.0000



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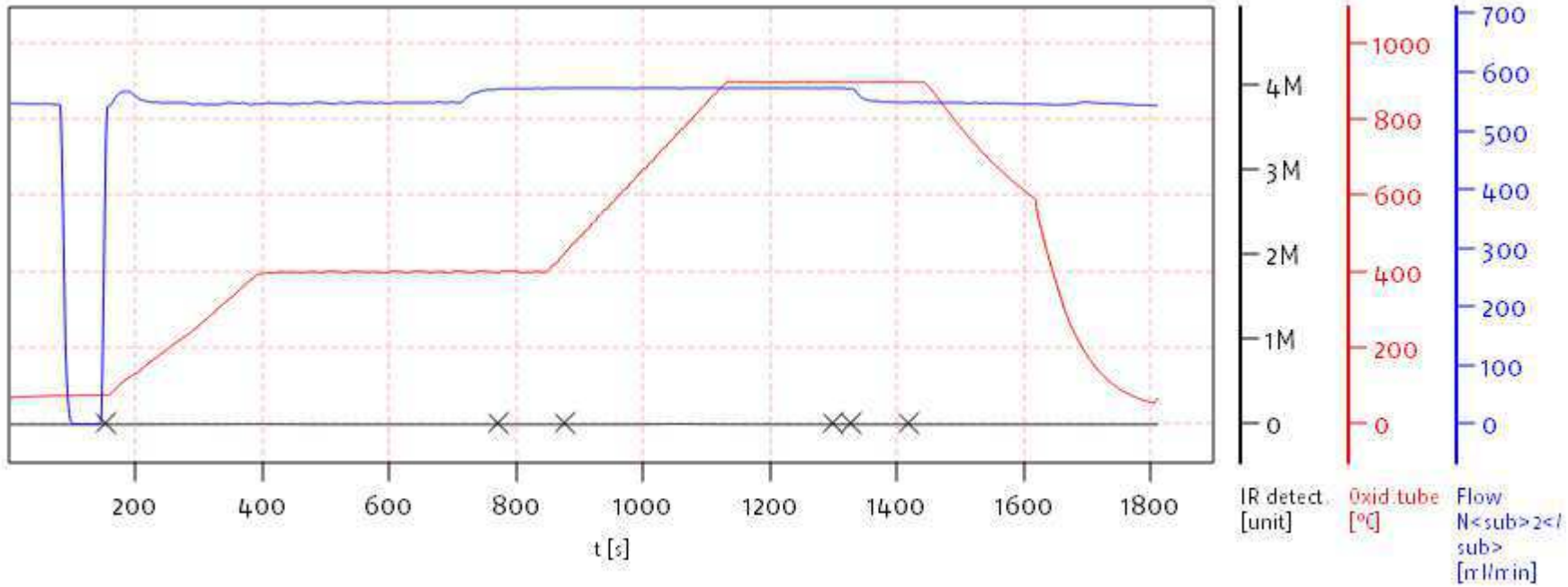
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
164	75	BKL0652-BLK1	511.00		CARBON	1/1/2023 1:25 AM	bl,C2u	0.000	20 971	0.000	0.000	644	21 914	0.000	0.000	0.9791	1.0000



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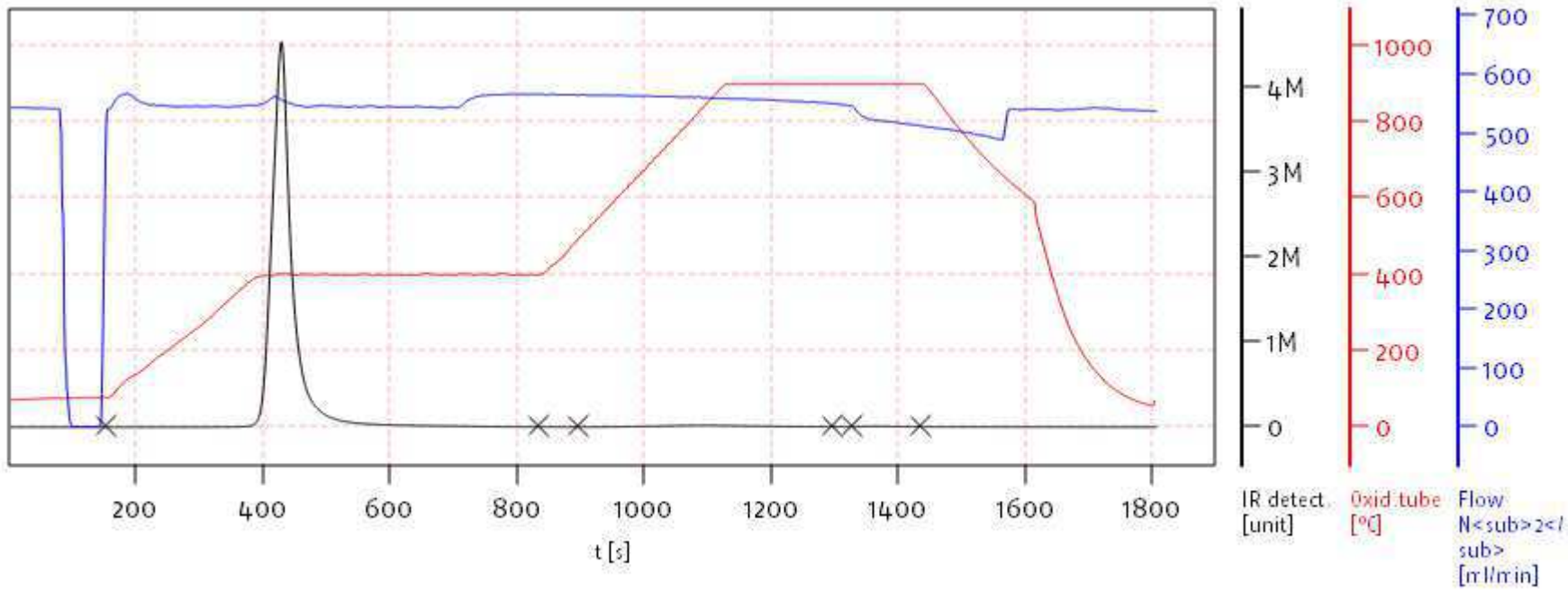
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
165	76	BKL0652-BS1	21.30		CARBON	1/1/2023 1:56 AM	bl	44.428	6 269 704	45.307	0.003	26 980	147 586	44.424	0.880	0.9791	1.0000



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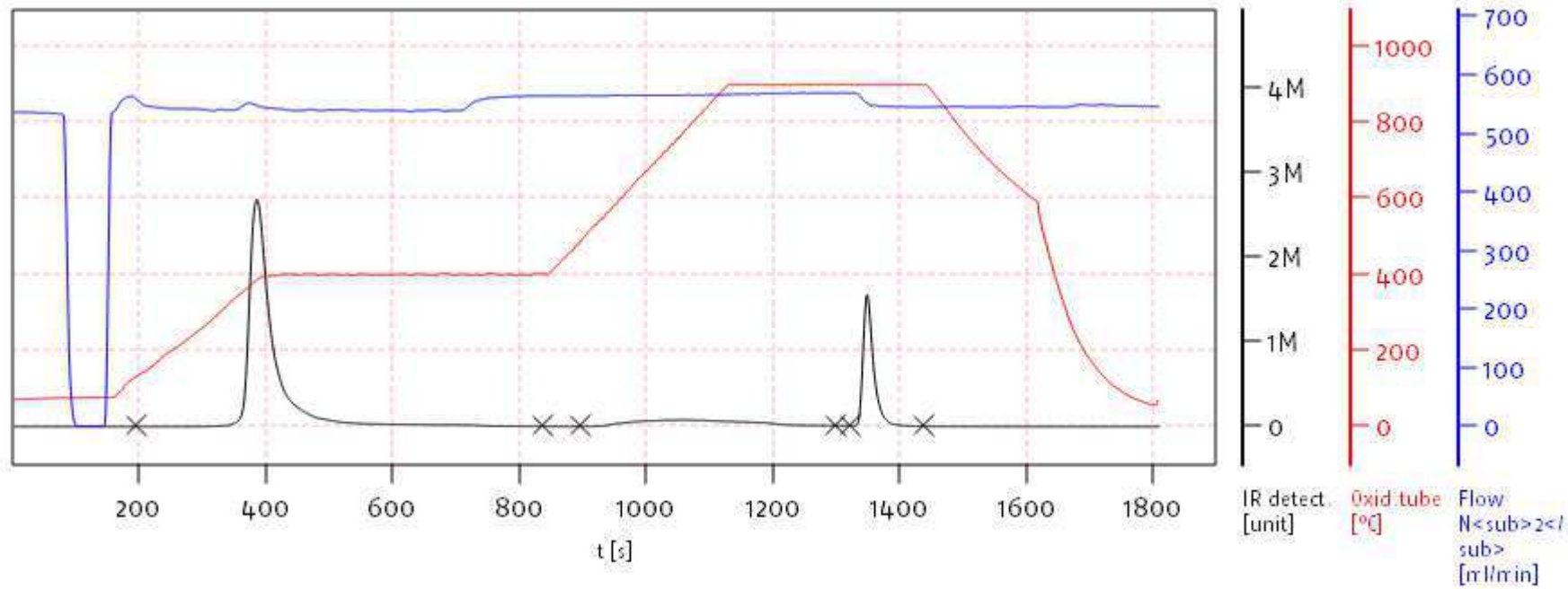
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
166	77	BKL0652-SRM1	274.70		CARBON	1/1/2023 2:26 AM	bl	2.992	4 317 746	3.355	0.624	1 134 237	670 186	2.368	0.363	0.9791	1.0000



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Access: soliTOC superuser

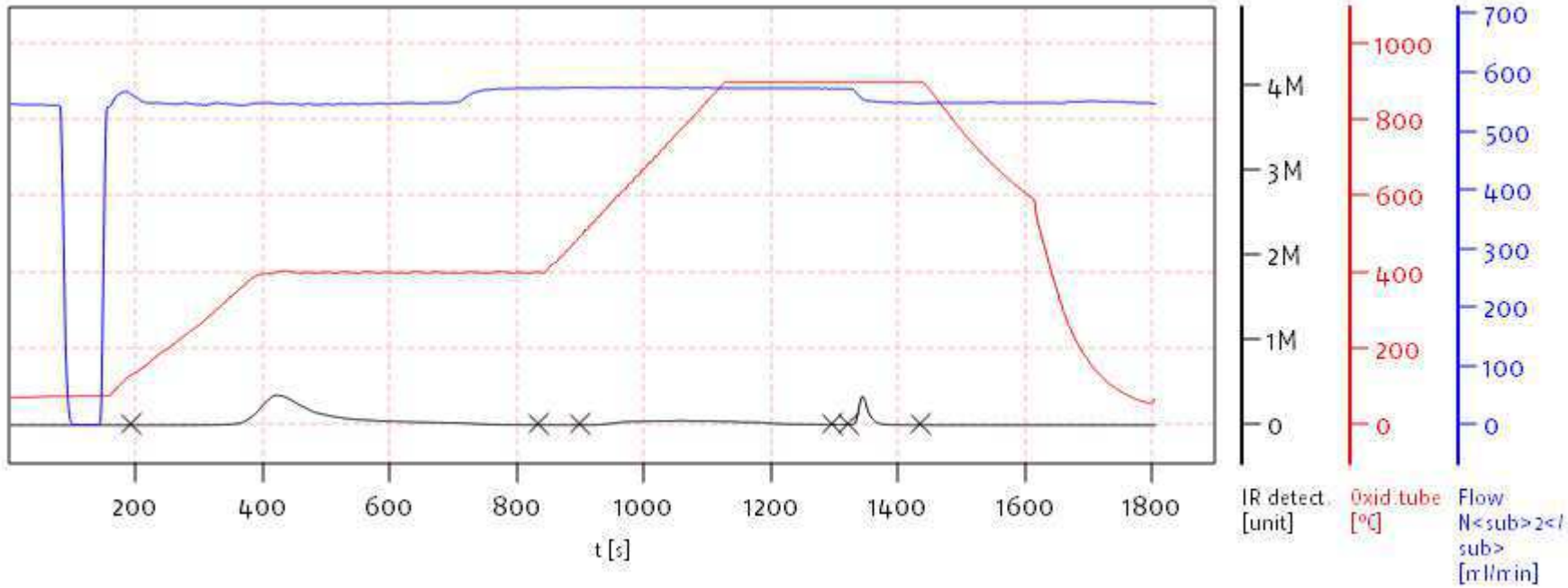
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
167	78	22L0329-41	525.30		CARBON	1/1/2023 2:57 AM	bl	0.498	1 543 037	0.621	0.060	230 904	443 169	0.438	0.123	0.9791	1.0000



Name:

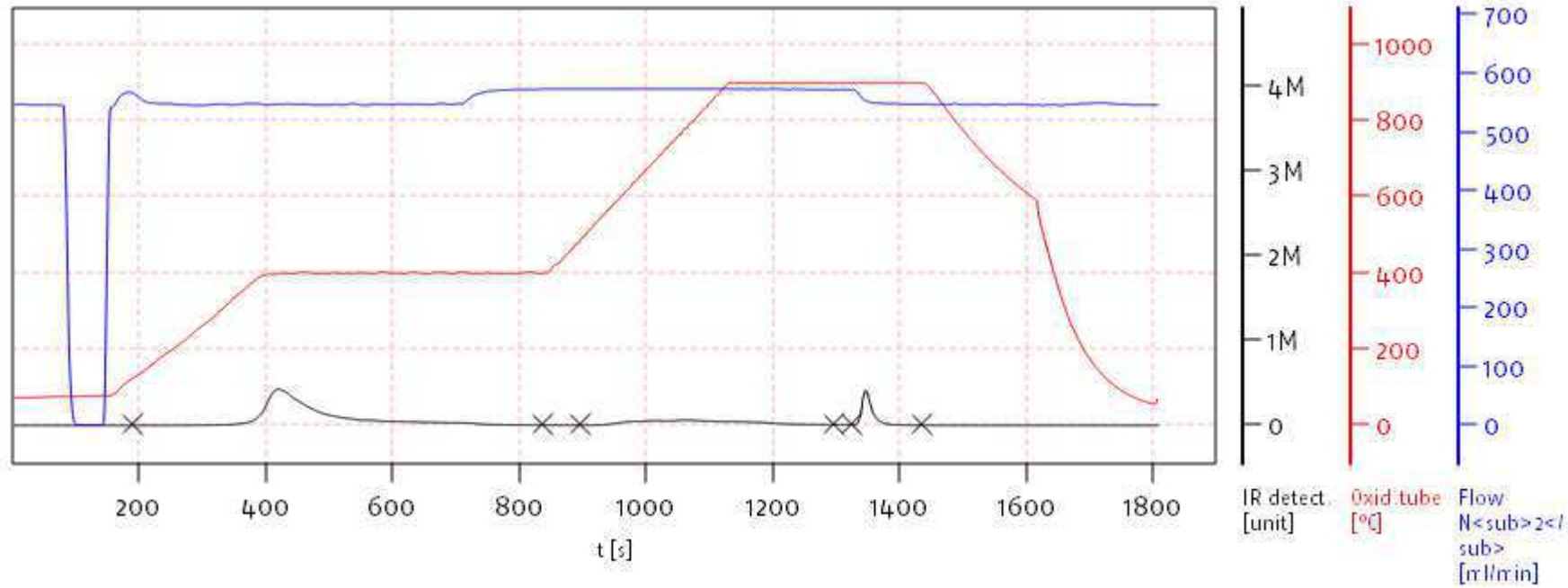
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
168	79	BKL0652-DUP1	572.30		CARBON	1/1/2023 3:27 AM	bl	0.506	1 662 421	0.634	0.072	294 170	501 341	0.433	0.128	0.9791	1.0000



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Access: soliTOC superuser

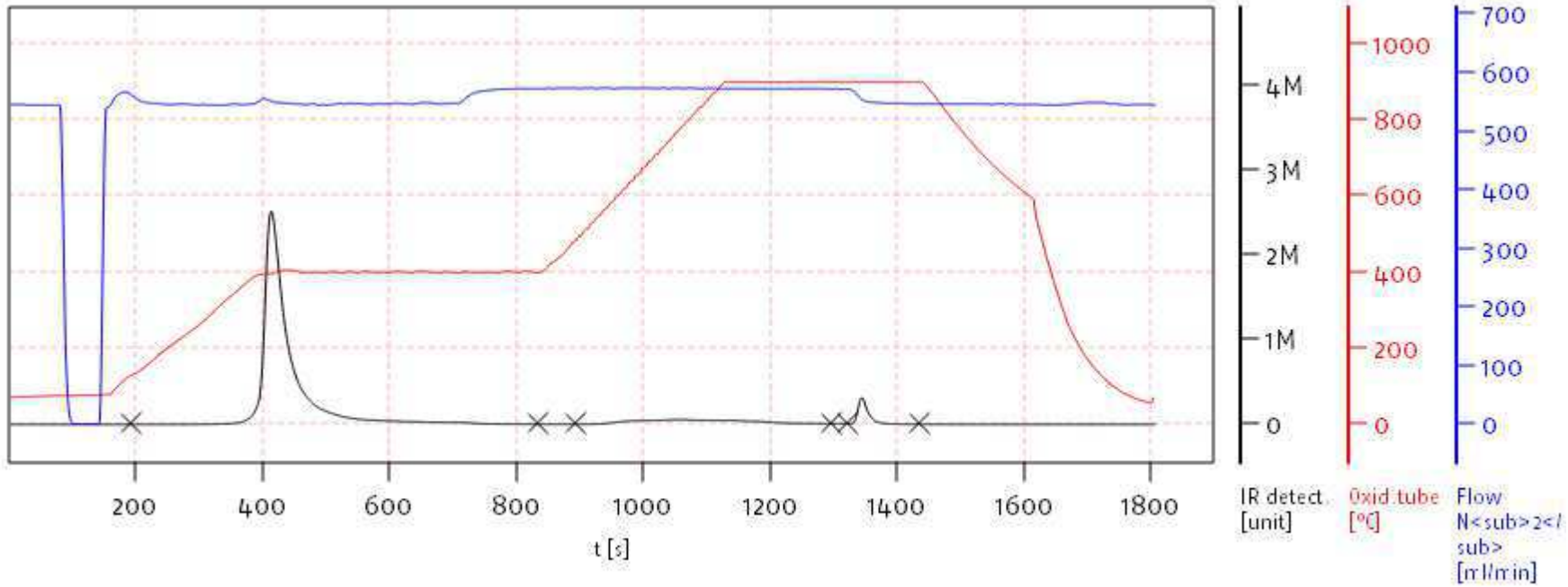
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
169	80	BKL0652-MS1	511.60	0.0088	CARBON	1/1/2023 3:58 AM	bl	1.299	4 204 636	1.436	0.061	227 545	479 384	1.238	0.137	0.9791	1.0000



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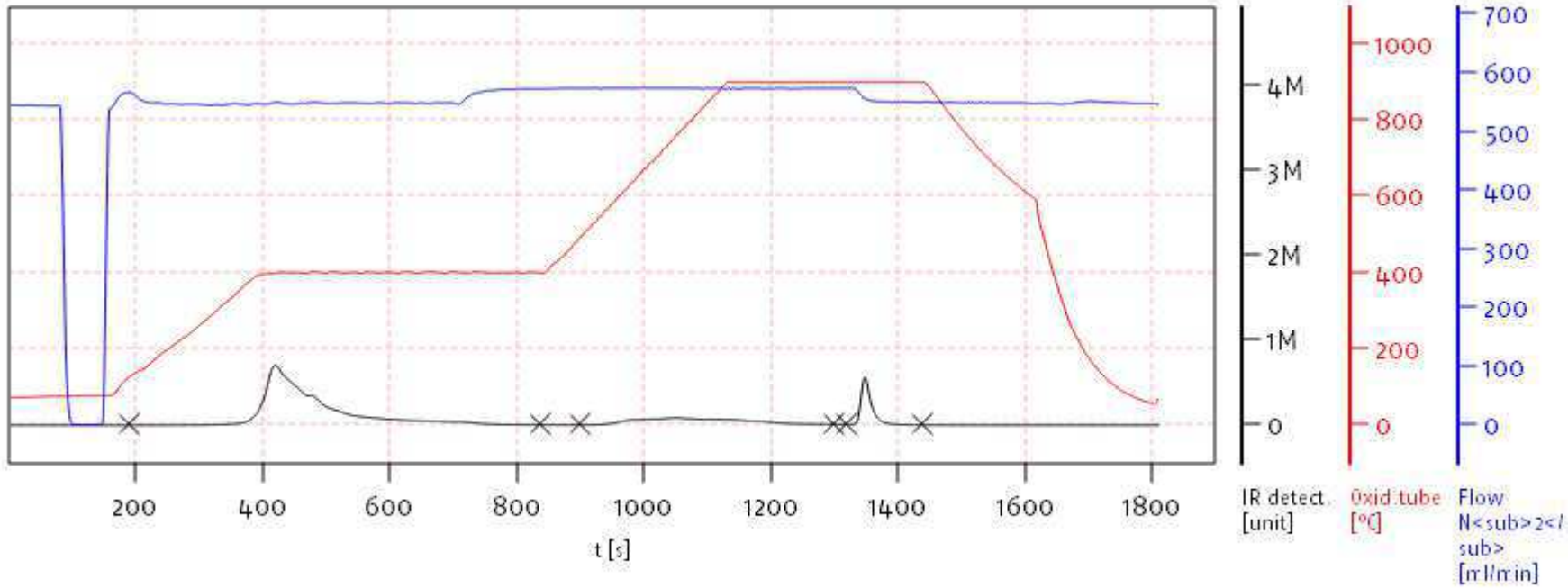
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
170	81	22L0329-42	639.30		CARBON	1/1/2023 4:28 AM	bl	0.697	2 572 338	0.852	0.093	410 589	668 854	0.604	0.156	0.9791	1.0000



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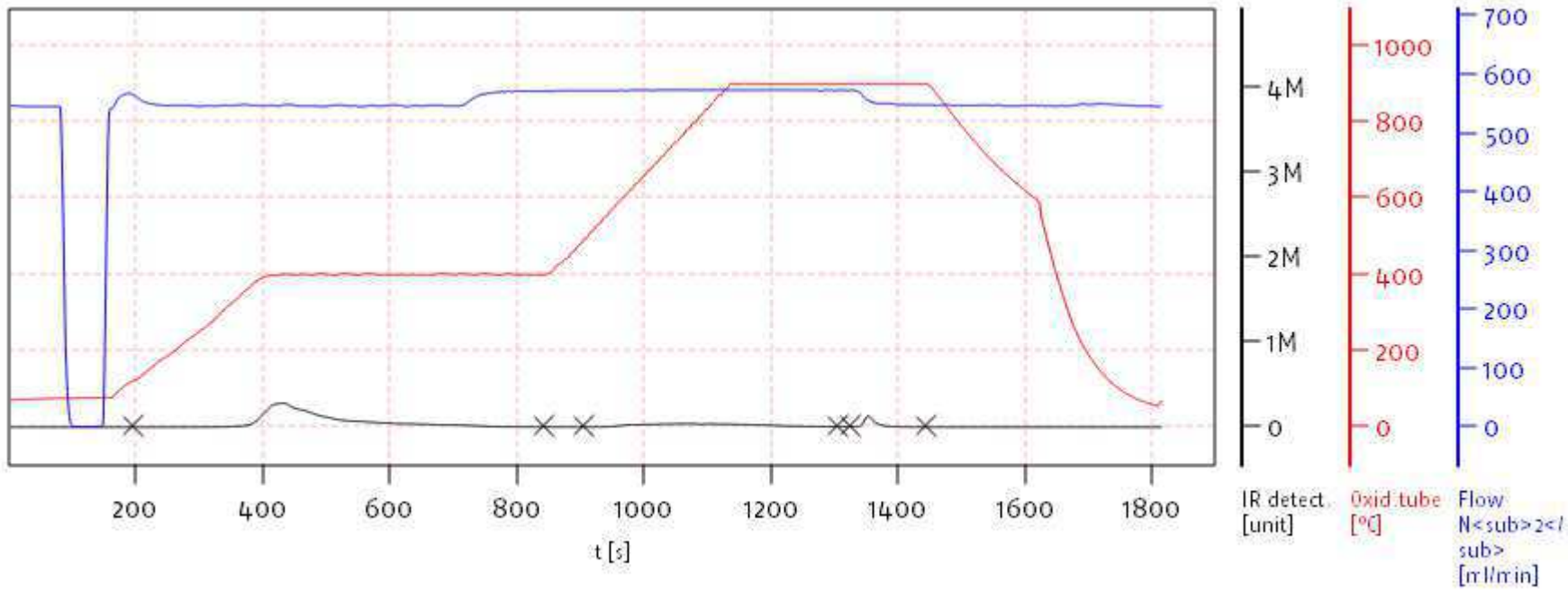
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
171	82	22L0329-43	504.10		CARBON	1/1/2023 4:59 AM	bl	0.408	1 306 683	0.503	0.023	101 968	335 027	0.385	0.095	0.9791	1.0000



Name:

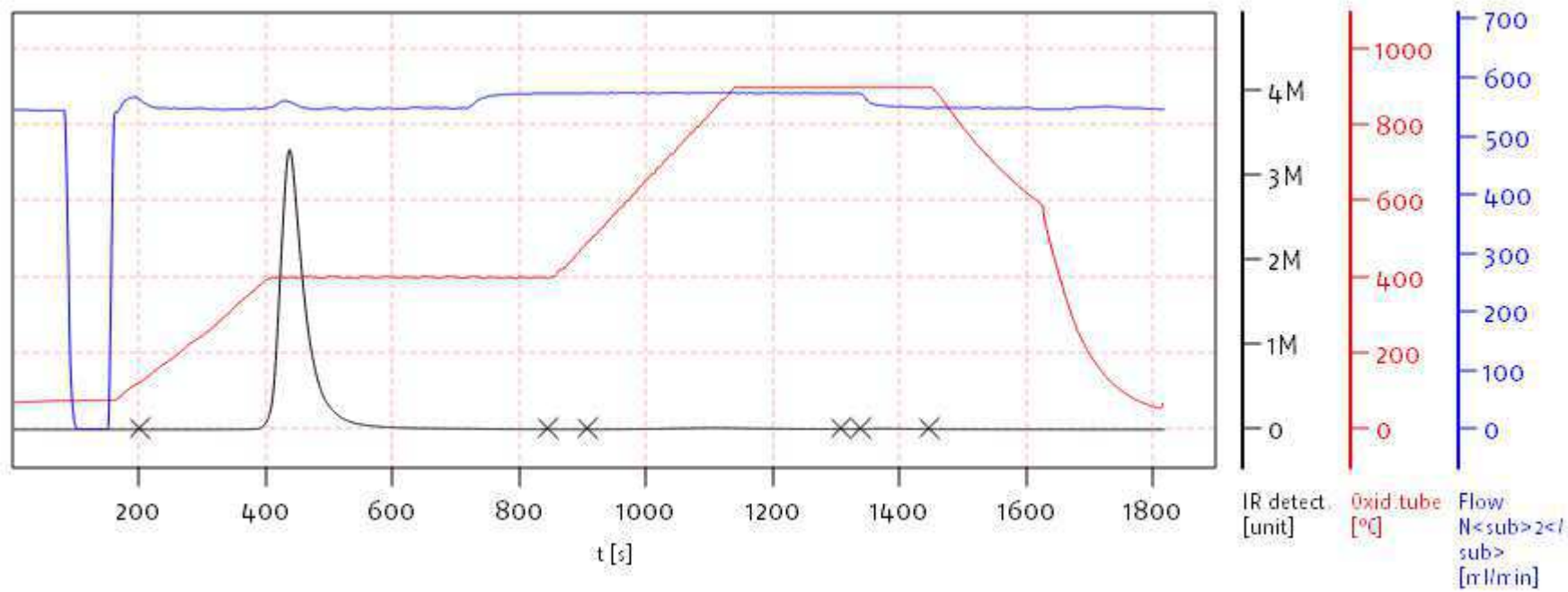
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
172	83	SKL0336-CCVE	20.00		CARBON	1/1/2023 5:30 AM	bl	43.330	5 741 152	44.176	0.024	29 599	135 812	43.306	0.846	0.9791	1.0000



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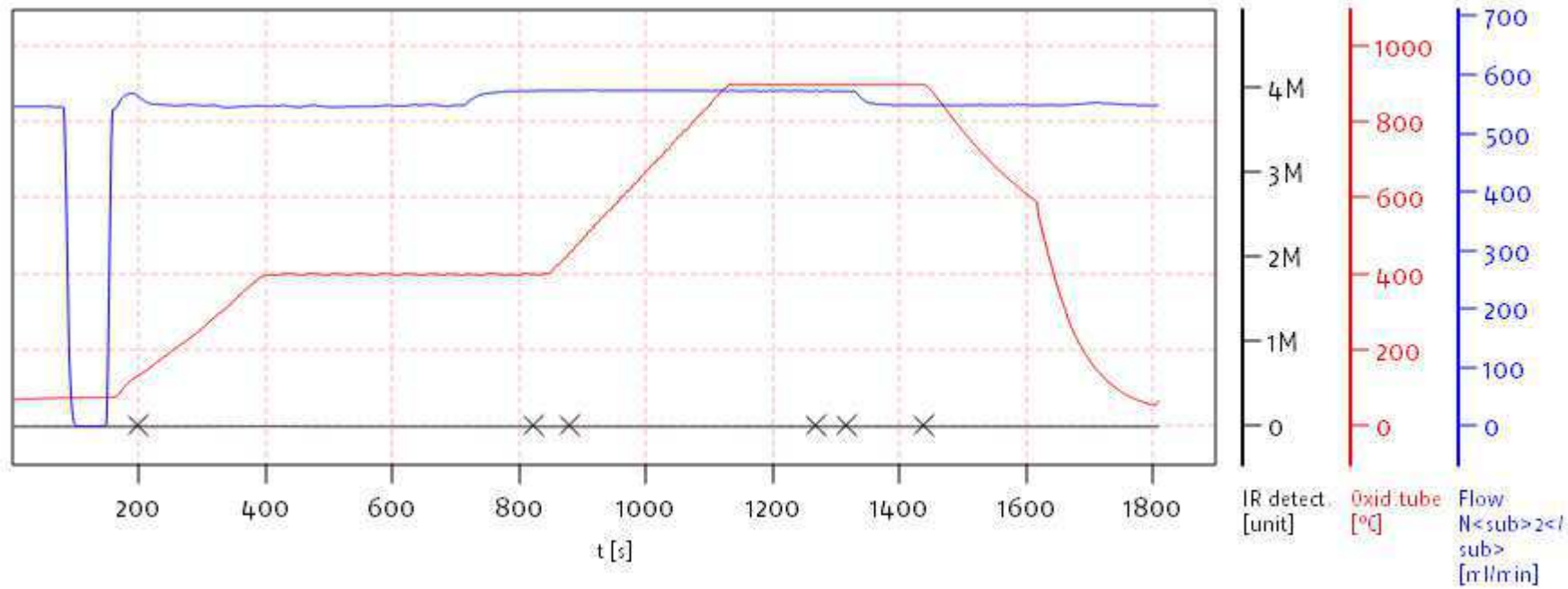
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
173	84	SKL0336-CCBE	526.20		CARBON	1/1/2023 6:00 AM	bl,C3u,C2u	0.000	12 891	0.000	0.000	829	2 244	0.000	0.000	0.9791	1.0000



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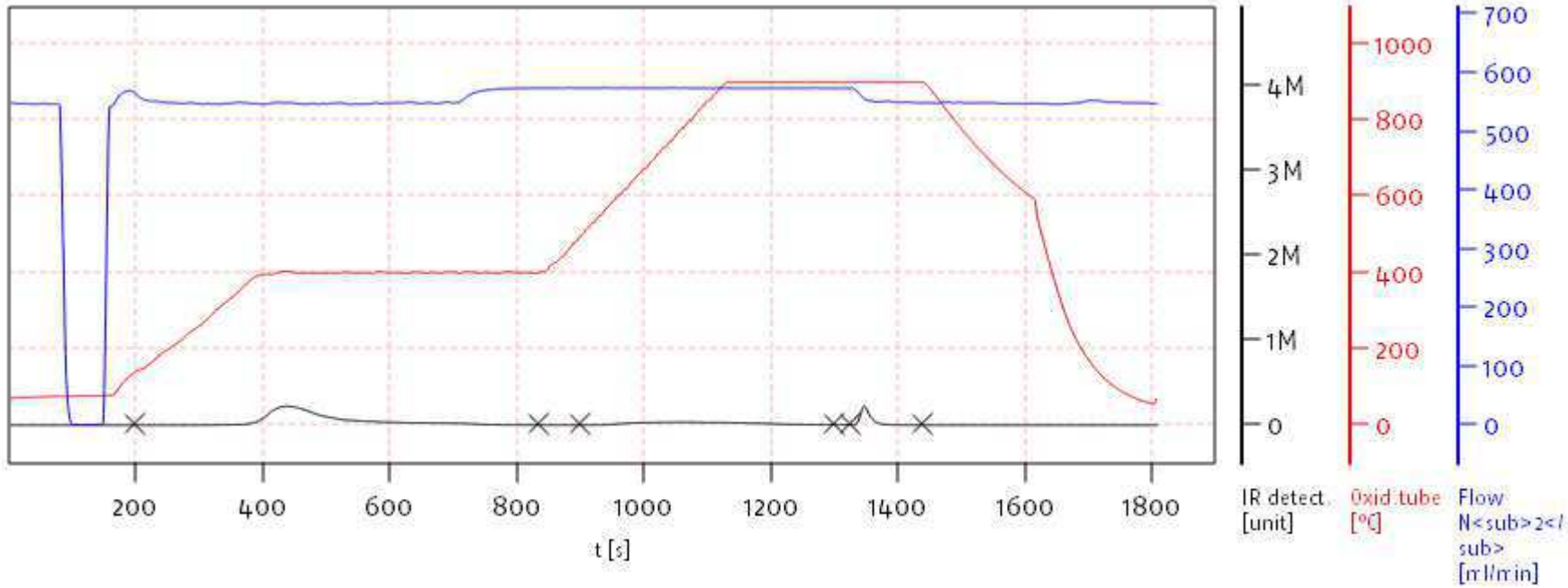
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
174	85	22L0329-44	538.20		CARBON	1/1/2023 6:31 AM	bl	0.322	1 039 842	0.400	0.037	155 299	295 151	0.285	0.077	0.9791	1.0000



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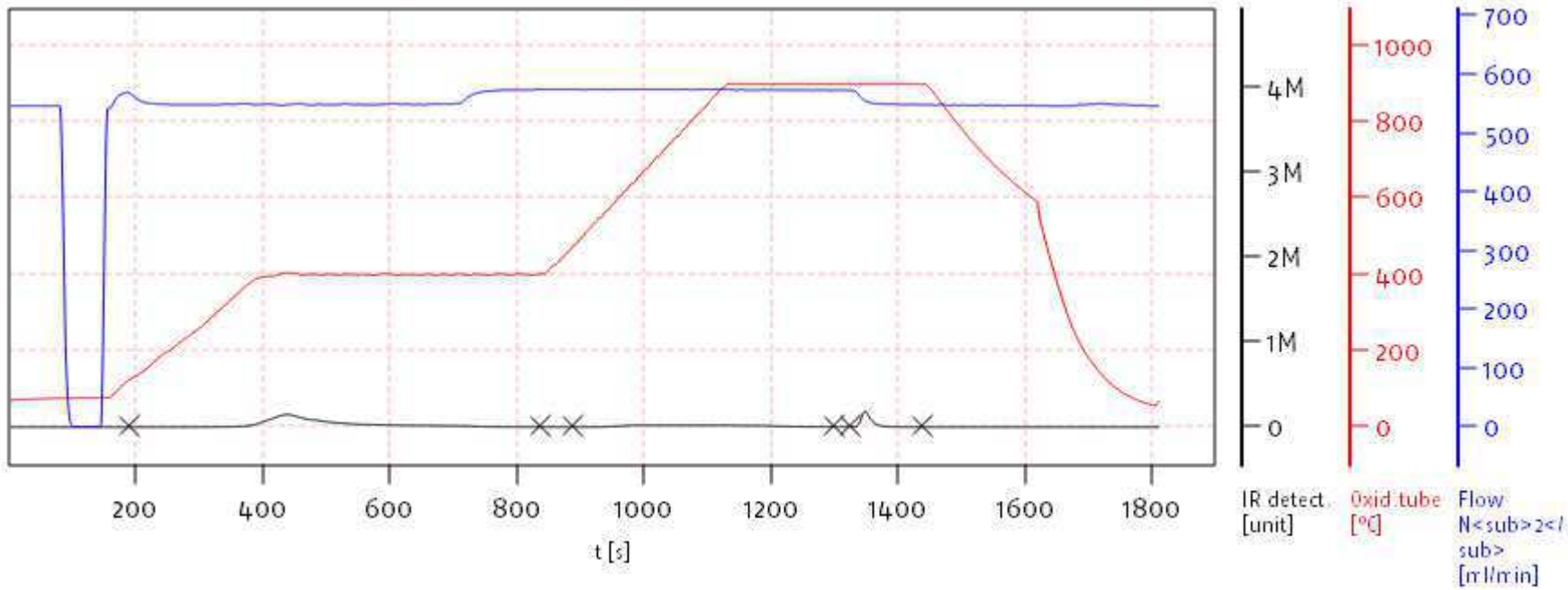
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
175	86	22L0329-45	538.70		CARBON	1/1/2023 7:01 AM	bl	0.211	671 810	0.262	0.030	130 131	203 608	0.182	0.051	0.9791	1.0000



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Serial No: 0300.181017
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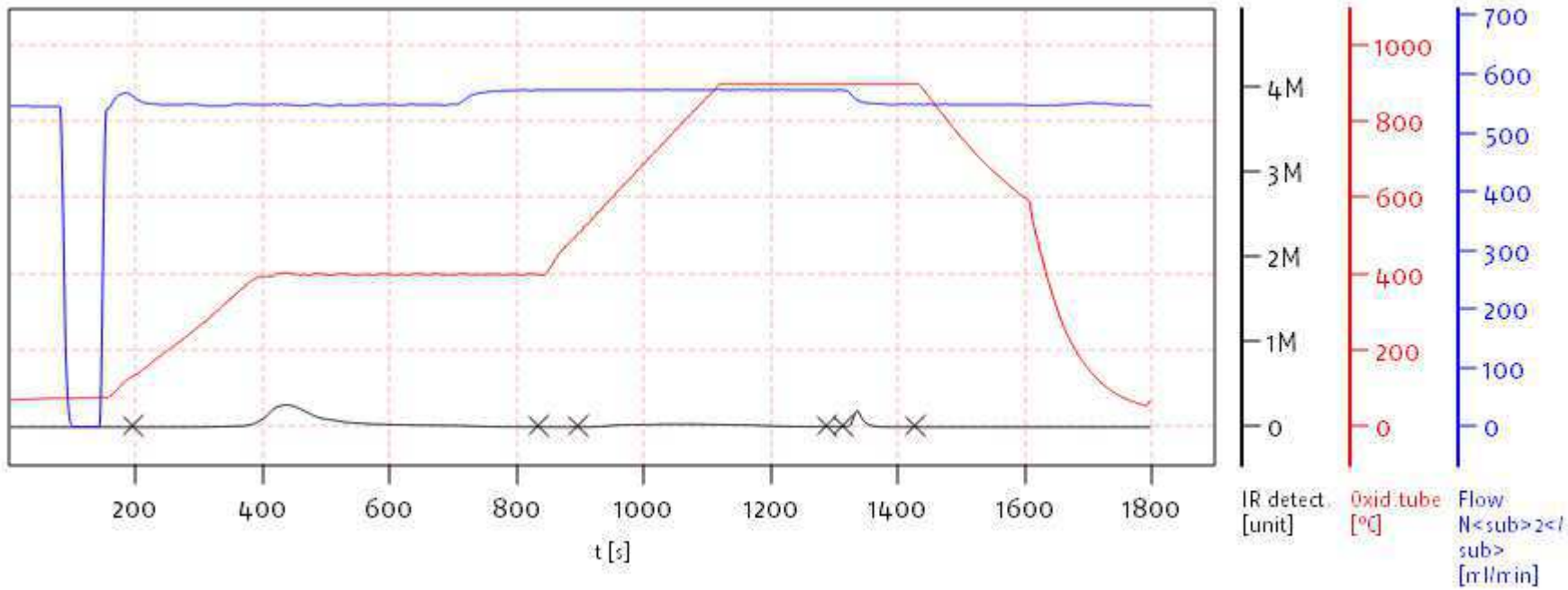
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
176	87	22L0329-46	523.20		CARBON	1/1/2023 7:32 AM	bl	0.337	1 086 433	0.416	0.030	127 029	292 928	0.307	0.079	0.9791	1.0000



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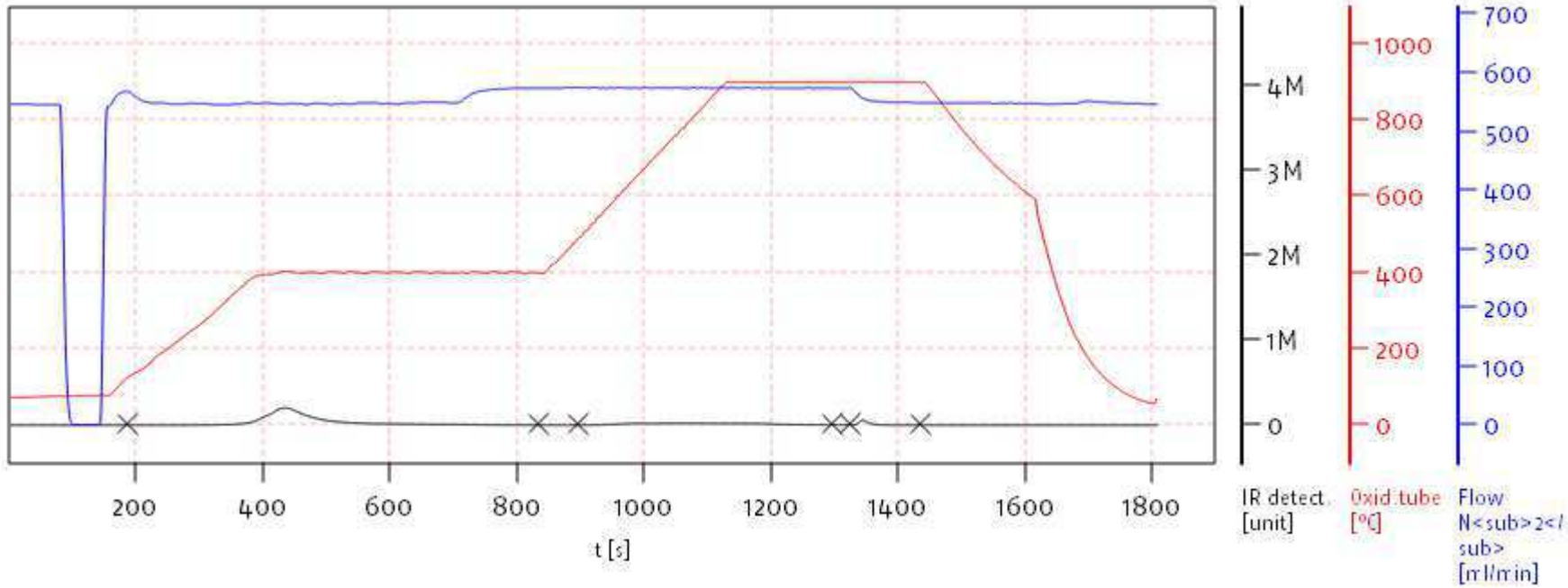
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
177	88	22L0329-47	508.70		CARBON	1/1/2023 8:02 AM	bl	0.216	738 309	0.270	0.004	40 129	203 065	0.212	0.054	0.9791	1.0000



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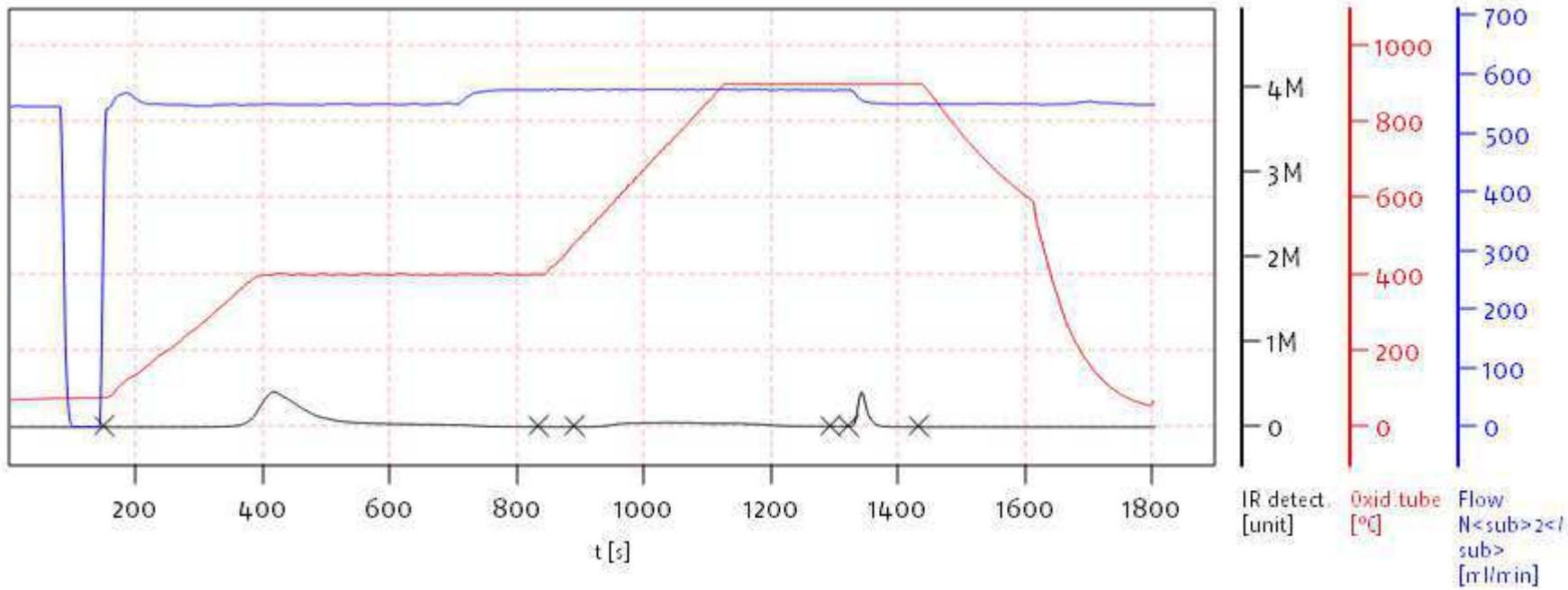
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
178	89	22L0329-48	535.90		CARBON	1/1/2023 8:33 AM	bl	0.504	1 559 791	0.631	0.070	270 408	466 131	0.434	0.127	0.9791	1.0000



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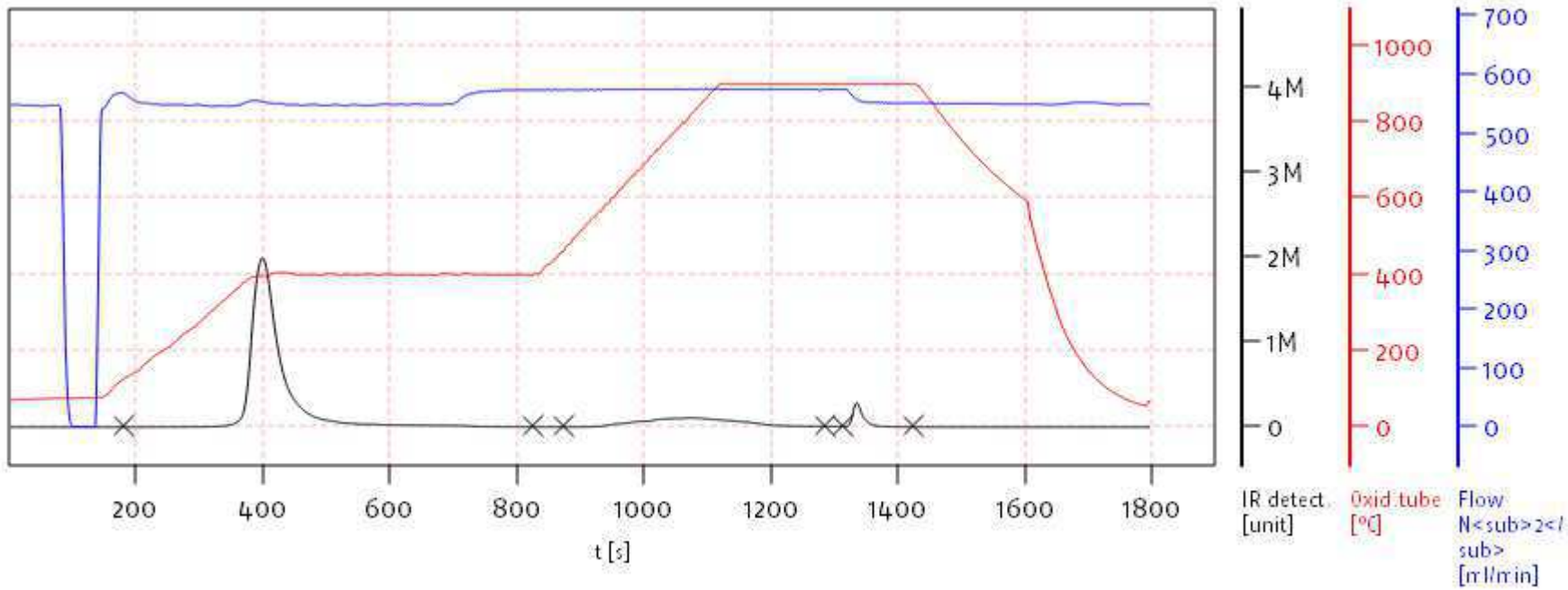
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
179	1	22L0459-01	546.90		CARBON	1/1/2023 9:03 AM	bl	1.132	3 929 880	1.339	0.051	205 048	756 445	1.082	0.207	0.9791	1.0000



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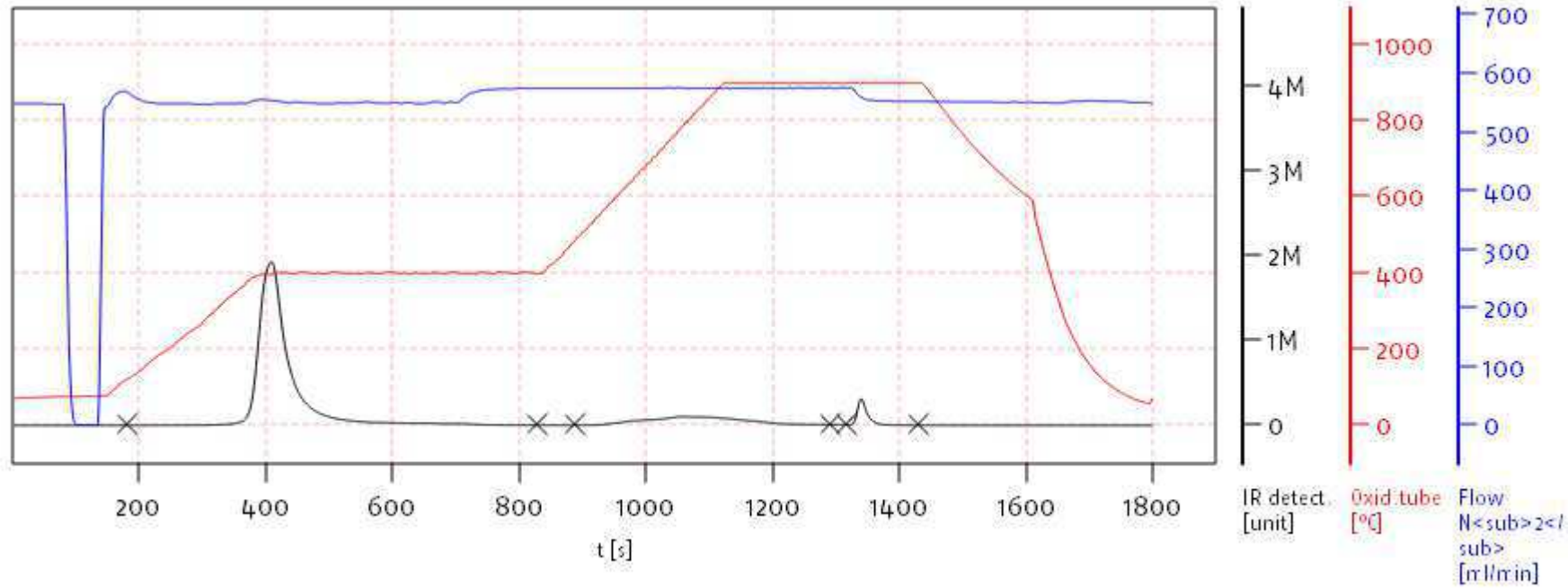
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
180	2	BKL0652-DUP2	525.60		CARBON	1/1/2023 9:34 AM	bl	1.196	3 979 426	1.403	0.057	218 619	728 170	1.140	0.207	0.9791	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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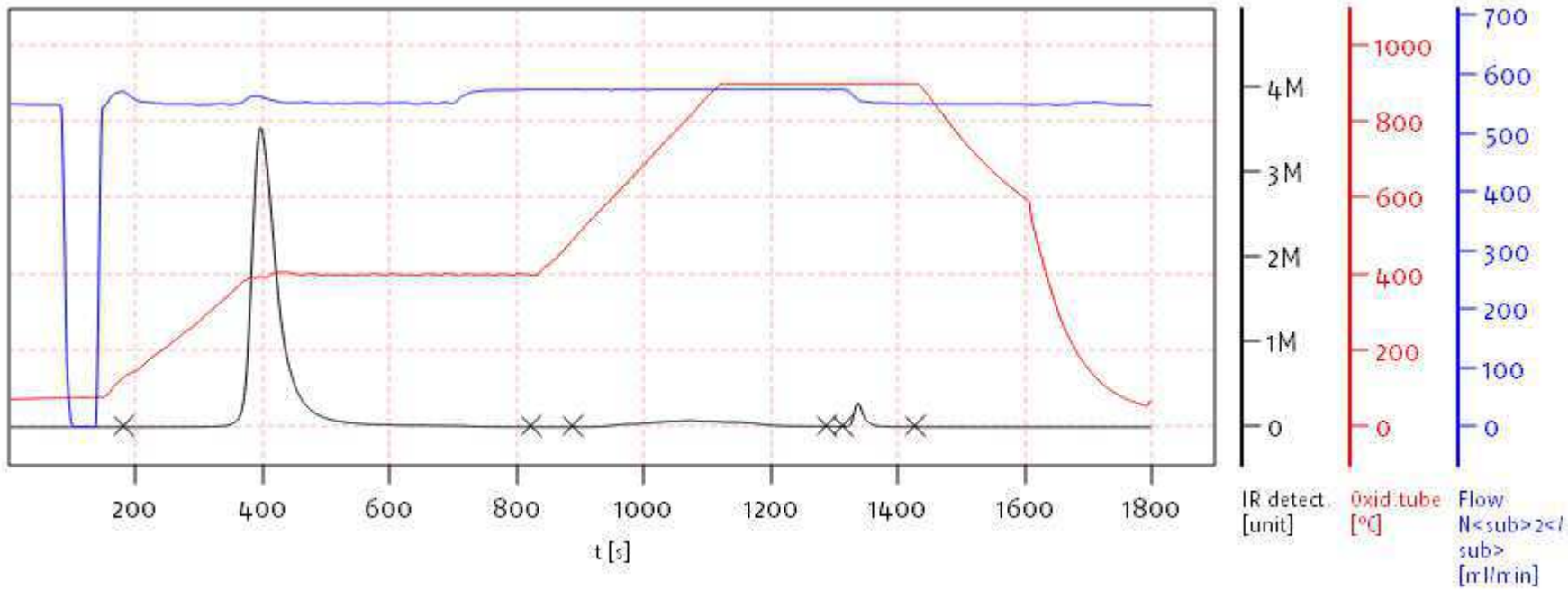
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
181	3	BKL0652-MS2	503.70	0.0083	CARBON	1/1/2023 10:04 AM	bl	2.004	6 508 376	2.164	0.053	199 401	550 122	1.950	0.161	0.9791	1.0000



Name:

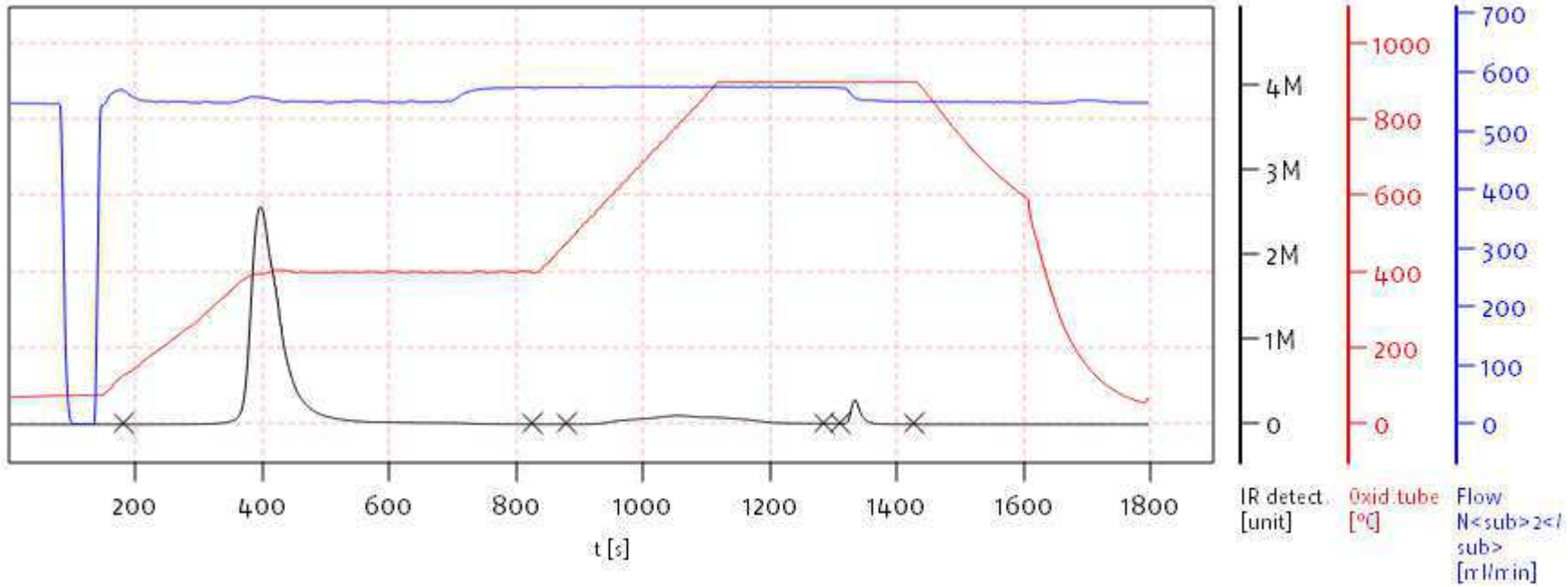
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
182	4	22L0459-02	553.00		CARBON	1/1/2023 10:34 AM	bl	1.489	5 283 699	1.686	0.048	198 987	728 467	1.441	0.196	0.9791	1.0000



Name:

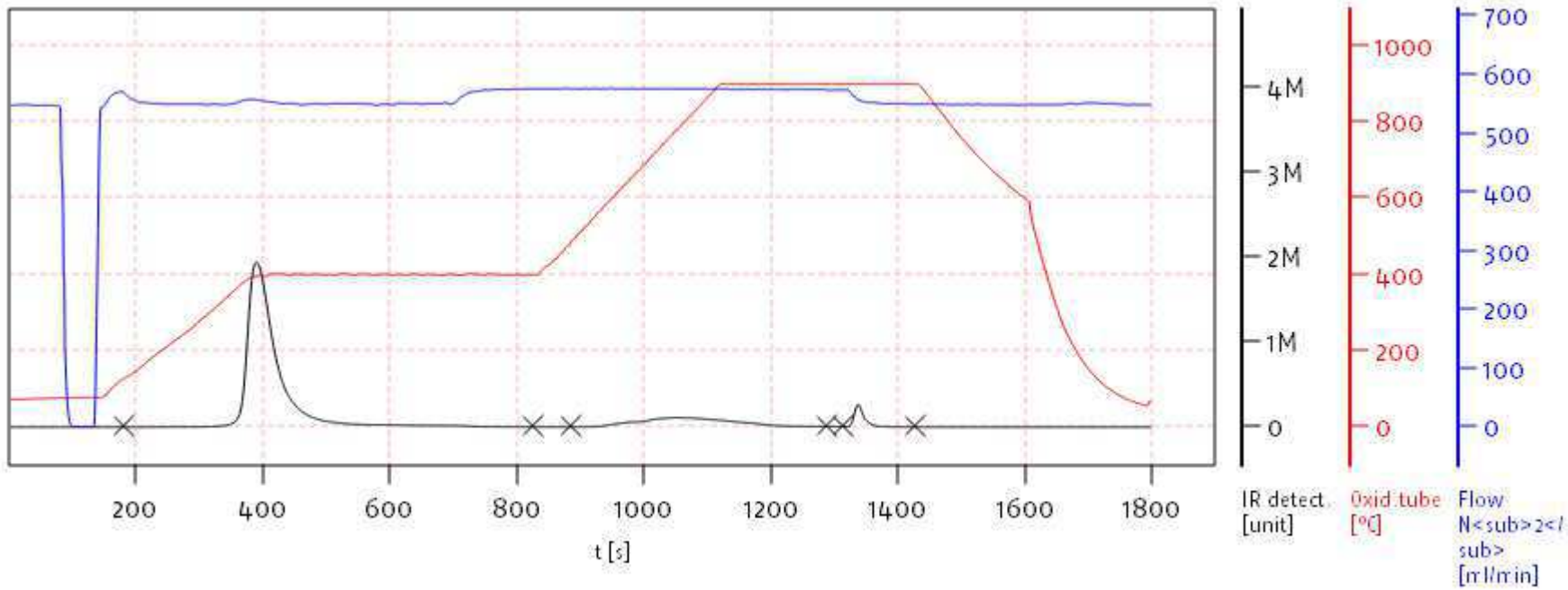
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
183	5	22L0459-03	504.10		CARBON	1/1/2023 11:05 AM	bl	1.204	3 870 882	1.426	0.049	184 651	747 999	1.156	0.222	0.9791	1.0000



Name:

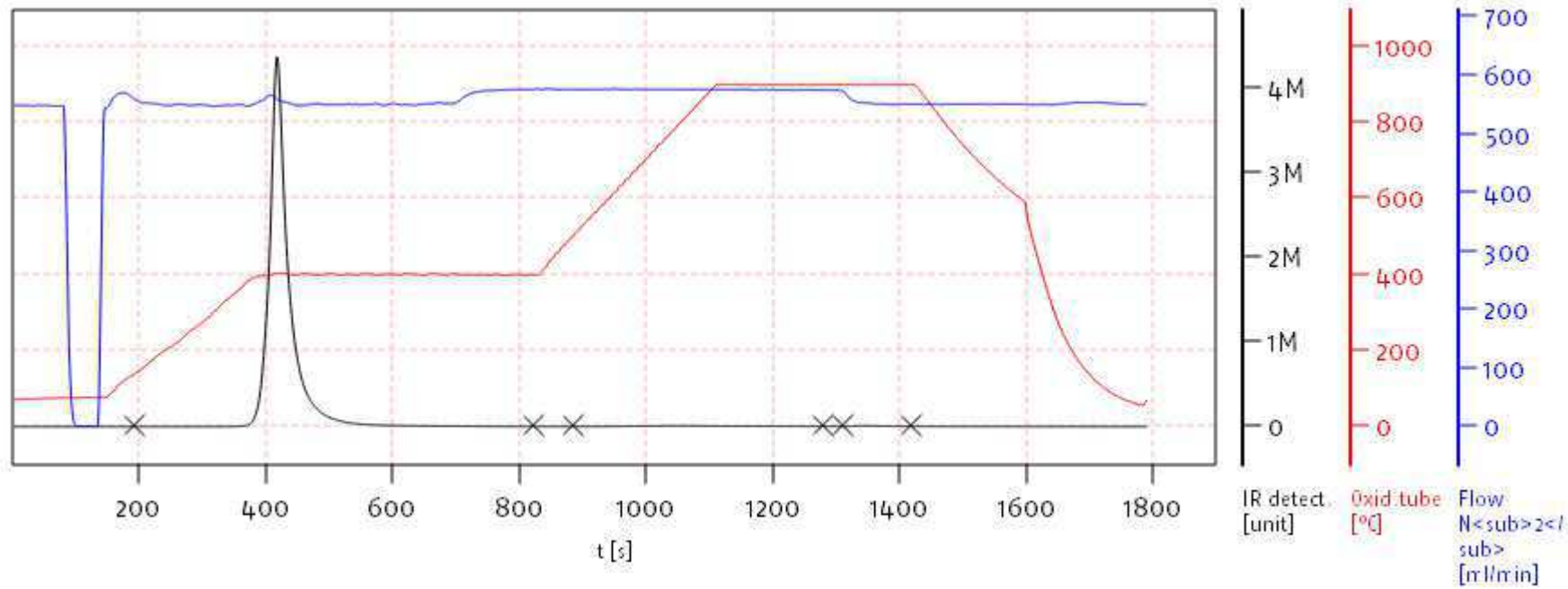
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
184	6	SKL0336-CCVF	19.70		CARBON	1/1/2023 11:35 AM	bl	43.919	5 734 995	44.345	0.000	24 057	80 776	43.919	0.426	0.9791	1.0000



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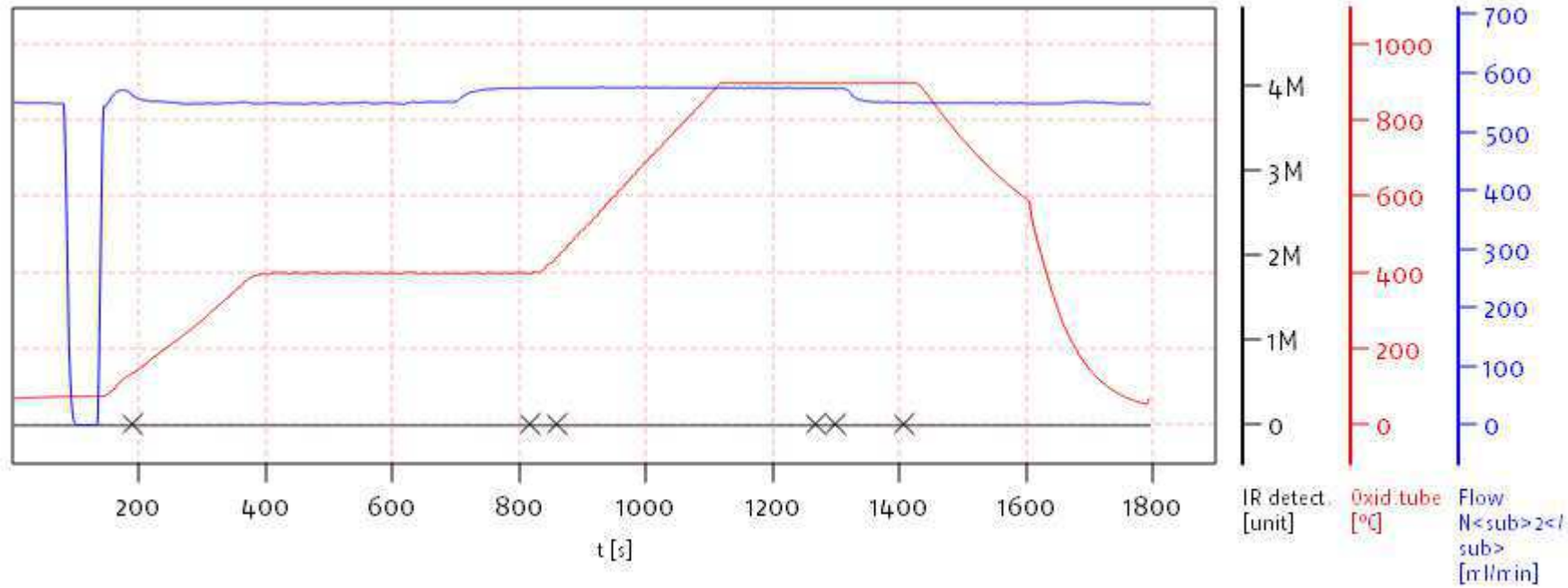
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
185	7	SKL0336-CCBF	503.50		CARBON	1/1/2023 12:05 PM	bl,C2u	0.000	3 712	0.000	0.000	947	3 000	0.000	0.000	0.9791	1.0000



Name:

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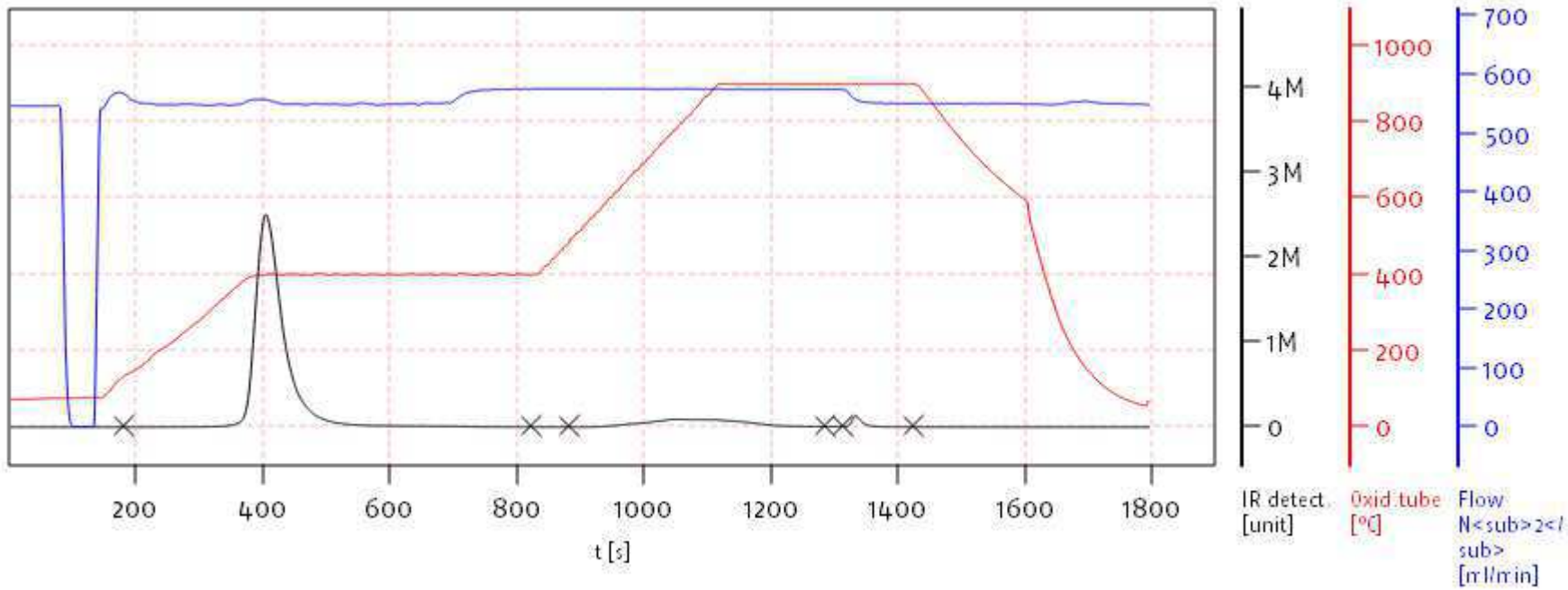
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
186	8	22L0459-04	585.50		CARBON	1/1/2023 12:36 PM	bl	1.262	4 828 602	1.424	0.019	97 318	641 567	1.243	0.163	0.9791	1.0000



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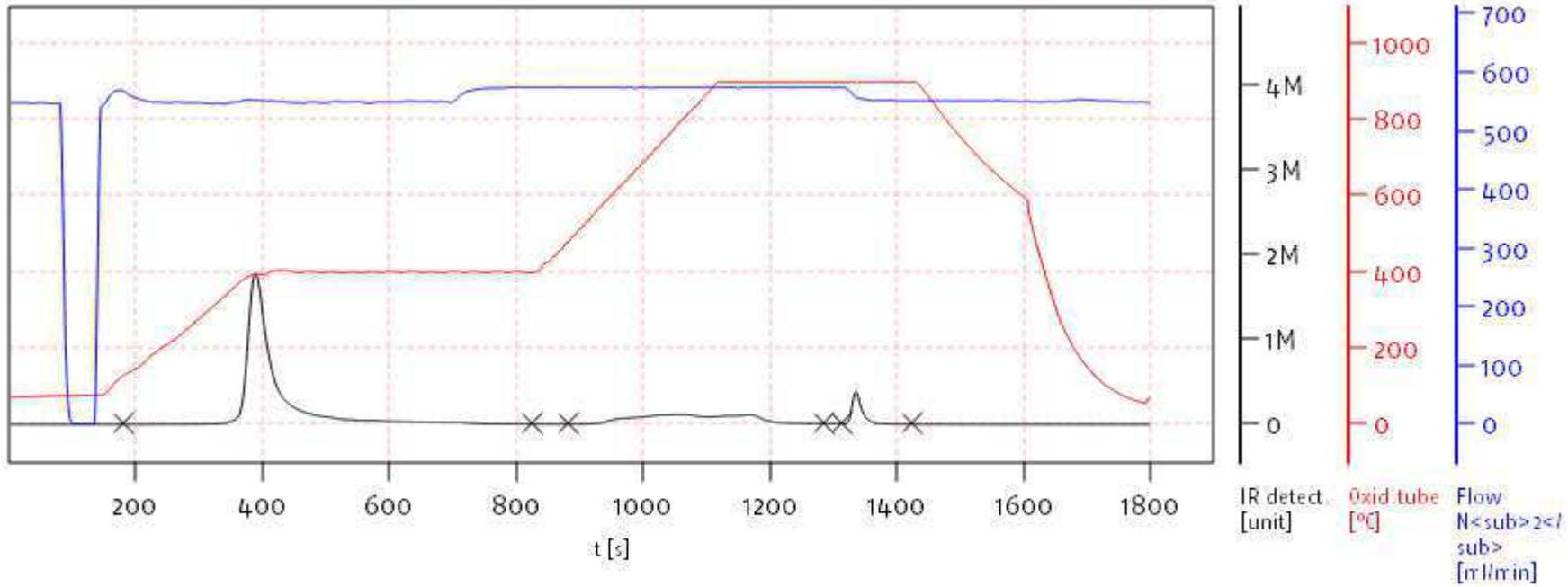
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
187	9	22L0459-05	518.10		CARBON	1/1/2023 1:06 PM	bl	1.002	3 206 499	1.285	0.072	267 557	971 388	0.930	0.282	0.9791	1.0000



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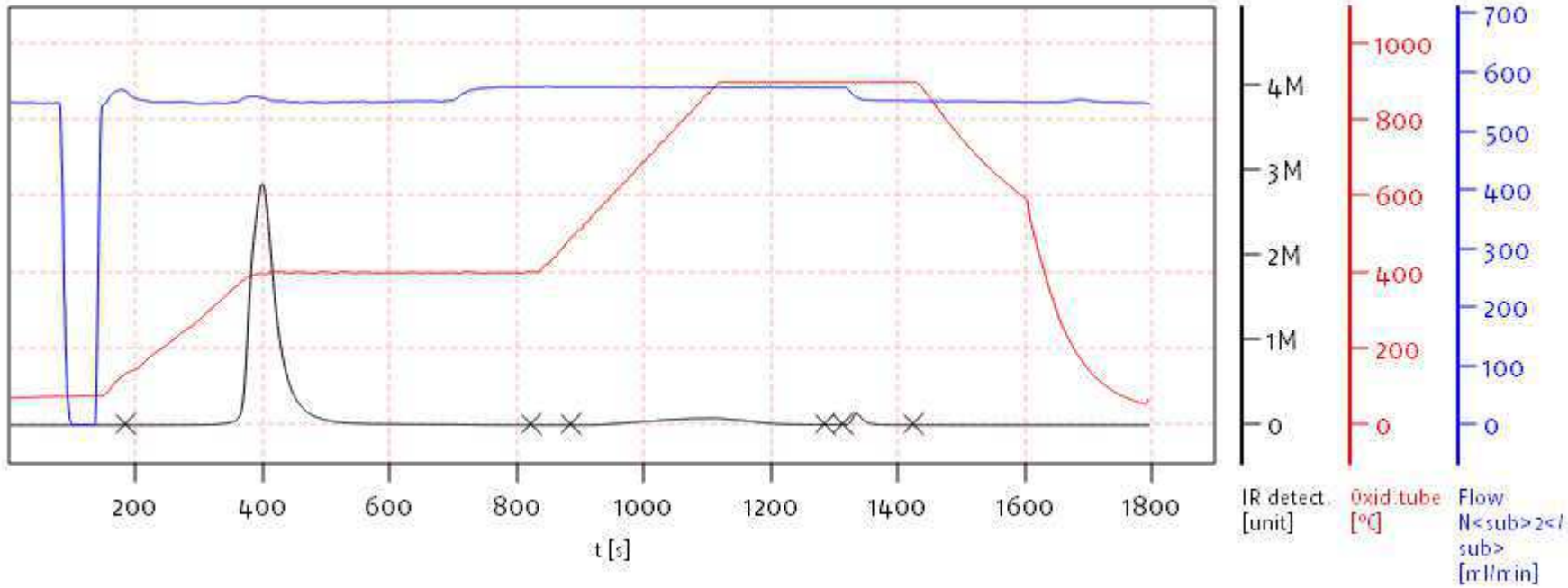
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
188	10	22L0459-06	541.60		CARBON	1/1/2023 1:36 PM	bl	1.470	5 195 518	1.622	0.023	107 213	559 662	1.447	0.152	0.9791	1.0000



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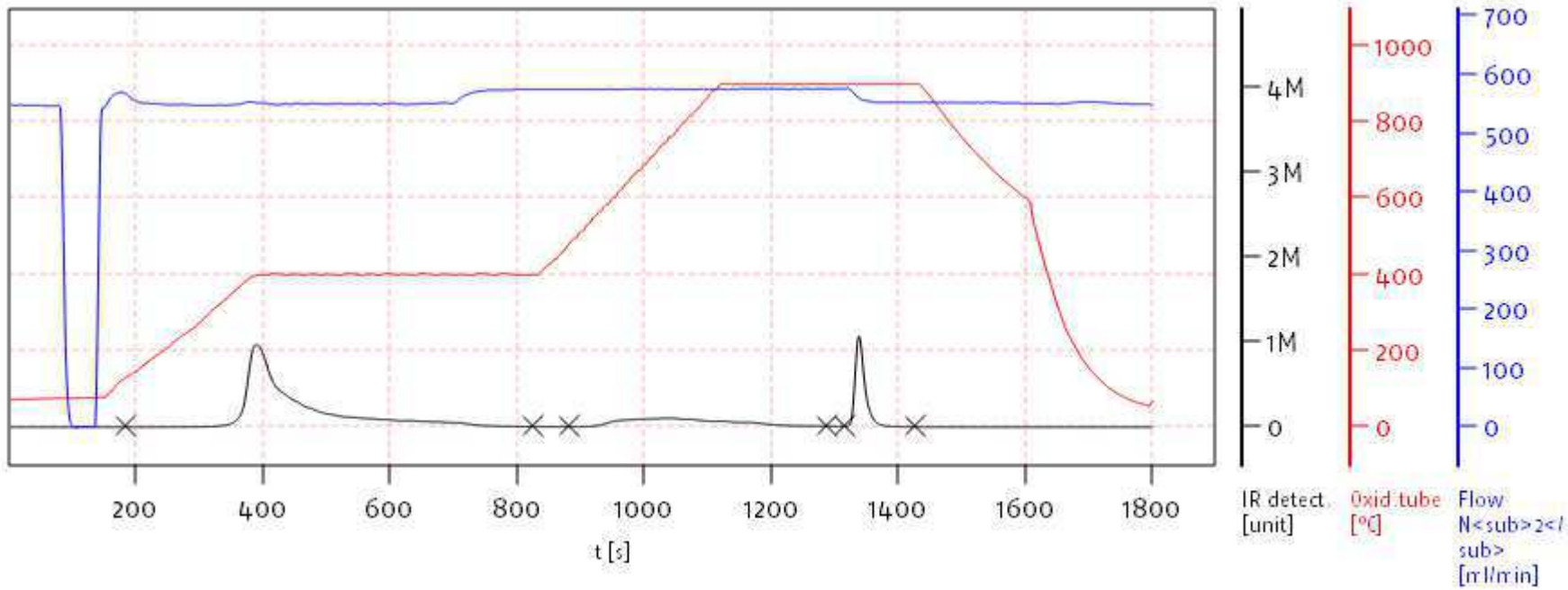
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
189	11	22L0459-07	530.60		CARBON	1/1/2023 2:07 PM	bl	1.082	3 098 637	1.313	0.204	727 192	819 749	0.878	0.231	0.9791	1.0000



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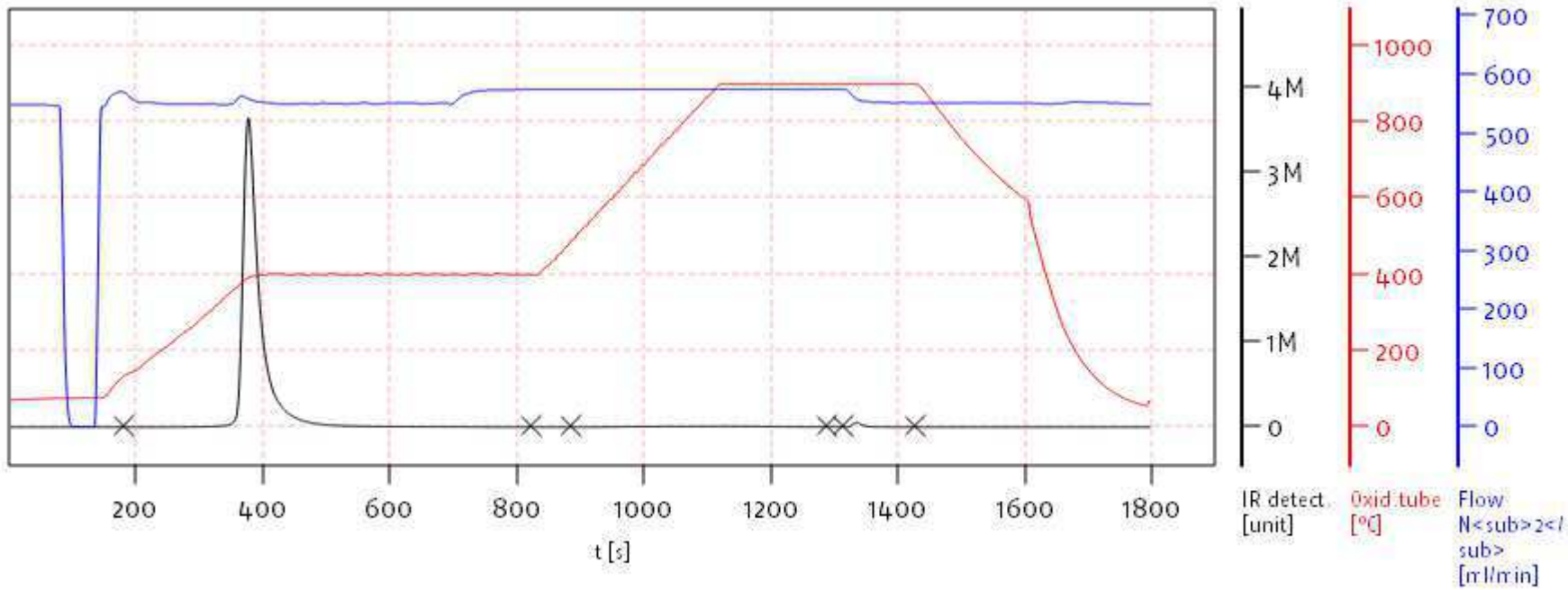
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
190	12	BKL0502-MS2	95.30	0.0093	CARBON	1/1/2023 2:37 PM	bl	6.642	4 192 295	6.731	0.017	37 127	81 180	6.625	0.089	0.9791	1.0000



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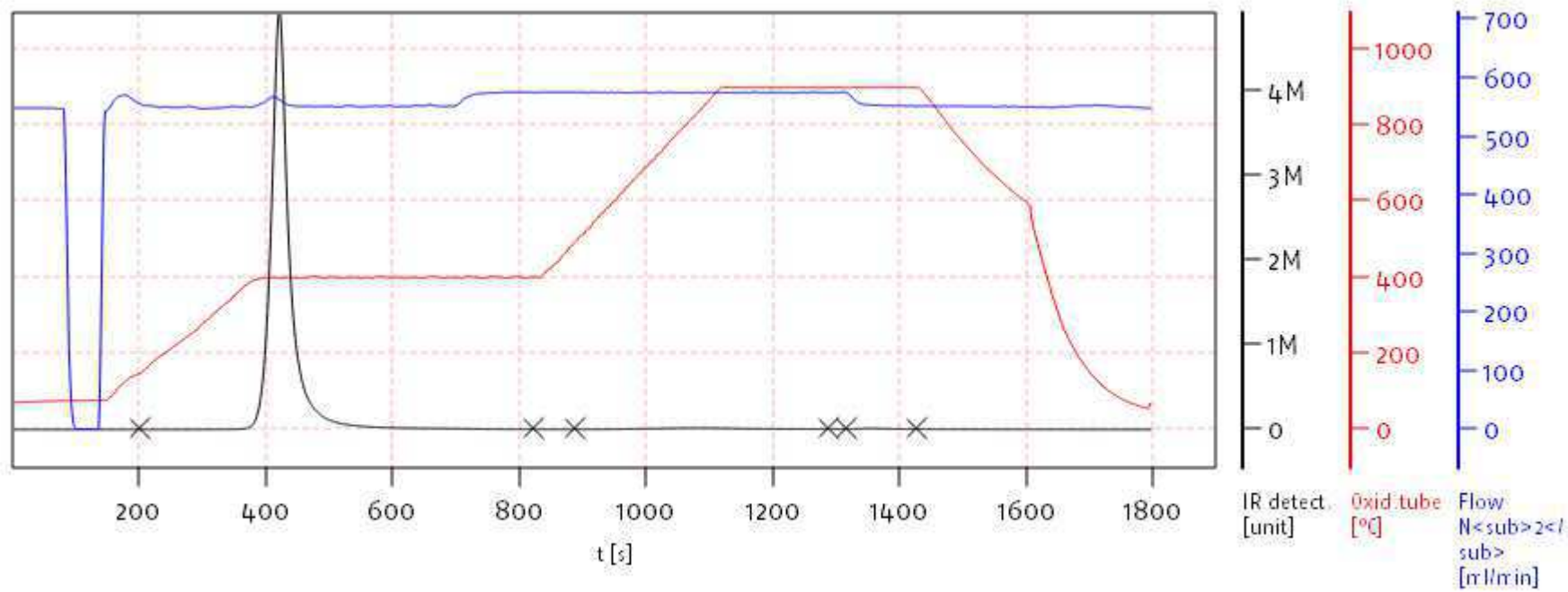
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
191	13	SKL0336-CCVG	22.00		CARBON	1/1/2023 3:07 PM	bl	44.105	6 421 622	44.872	0.047	33 273	135 625	44.057	0.768	0.9791	1.0000



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Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

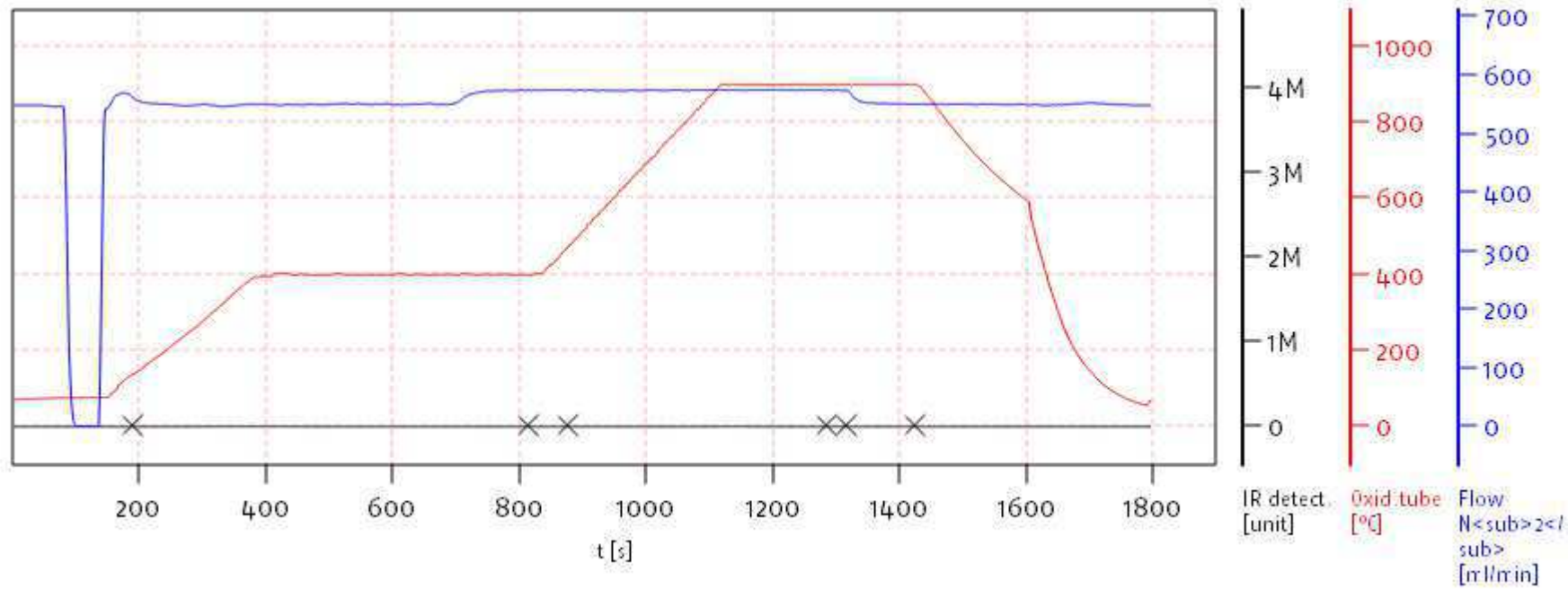
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
192	14	SKL0336-CCBG	510.60		CARBON	1/1/2023 3:38 PM	bl,C2u	0.000	10 989	0.000	0.000	846	4 670	0.000	0.000	0.9791	1.0000



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Access: soliTOC superuser

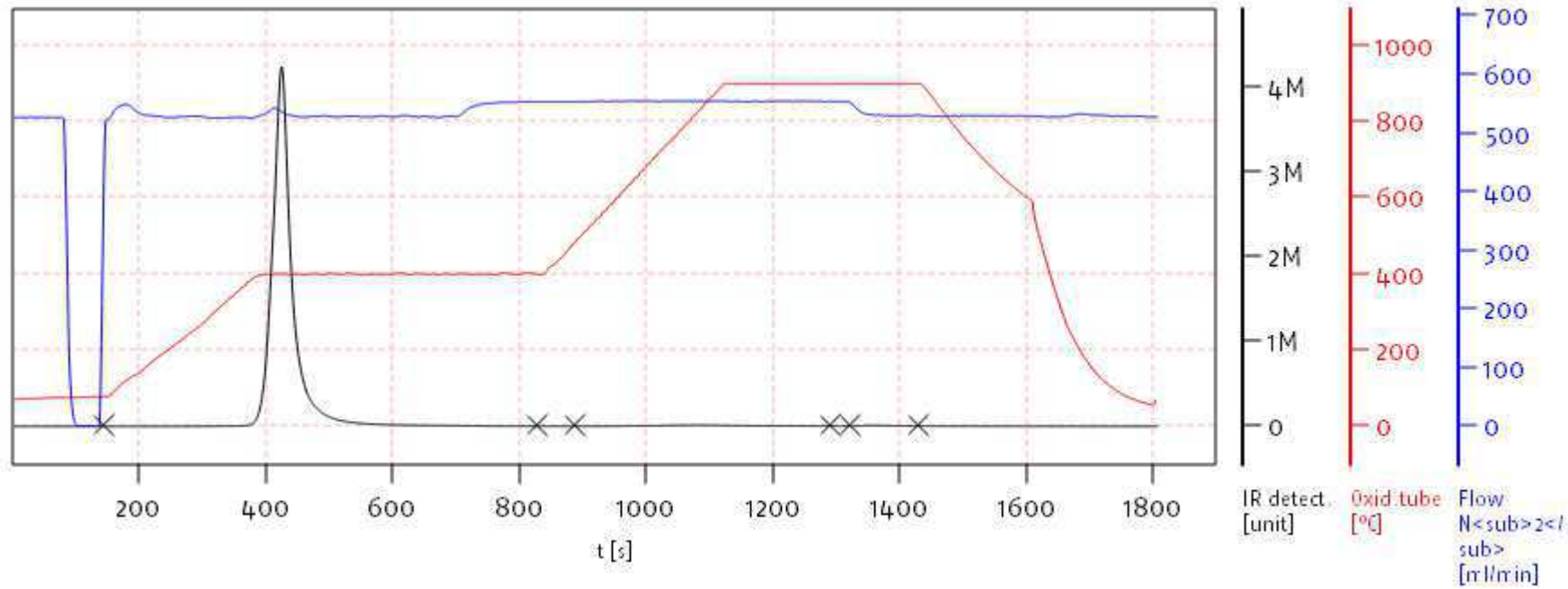
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	BKL0650-BS1	19.10		CARBON		bl	45.077	5 715 005	45.698	0.014	28 228	103 151	45.063	0.621	0.9774	1.0000



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Date: Tue Jan 3 07:16:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: --.--.-- (modified)

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Inorganic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
% Soot	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FD00070
Instrument: TOC Cube
Calibration Date: 04/26/2022 11:29

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Inorganic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
% Soot	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FD00070
Instrument: TOC Cube
Calibration Date: 04/26/2022 11:29

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Inorganic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
% Soot	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FD00070
Instrument: TOC Cube
Calibration Date: 04/26/2022 11:29

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Inorganic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
% Soot	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408

INITIAL CALIBRATION DATA

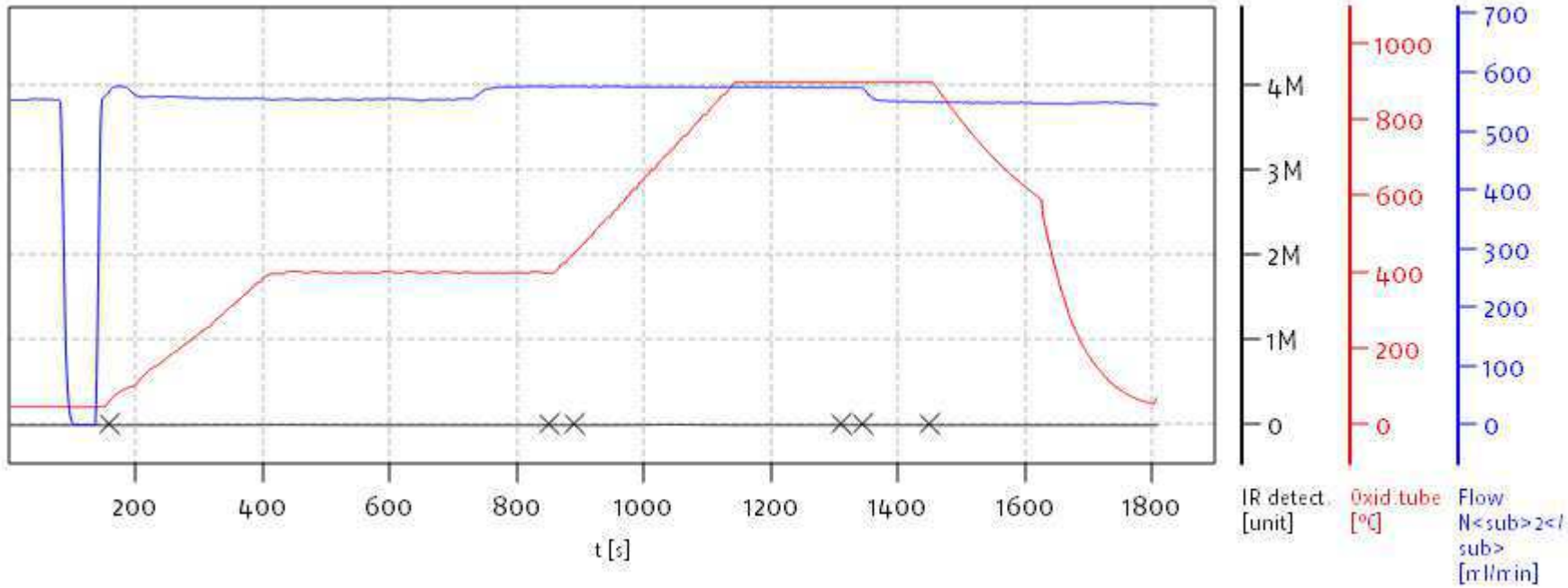
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0137
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

COMPOUND	Mean RF	RF RSD	Linear COD	Quad COD	COD Limit	Q
Total Organic Carbon	1424064	15.9	0.9988			
Total Carbon	1424064	15.9	0.9988			
Total Inorganic Carbon	1424064	15.9	0.9988			
% Soot	1424064	15.9	0.9988			

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		1.00	CARBON	4/26/2022 11:29 AM	0.000	0.000	0.000	bl	29 049	30 612	3 899	1.0000	1.0000



Name:

Access: soliTOC superuser

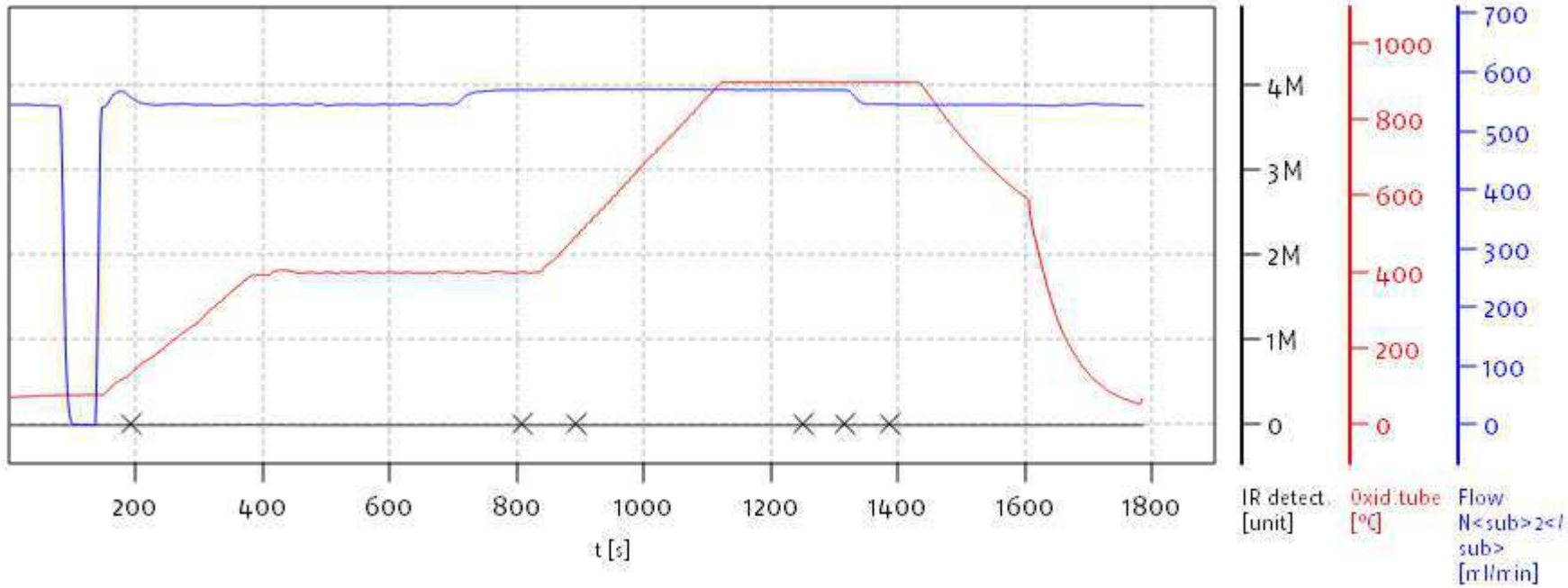
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
2	2	BLANK	1.00		1.00	CARBON	4/26/2022 12:00 PM	0.000	0.000	0.000	bl	11 115	60	8	1.0000	1.0000



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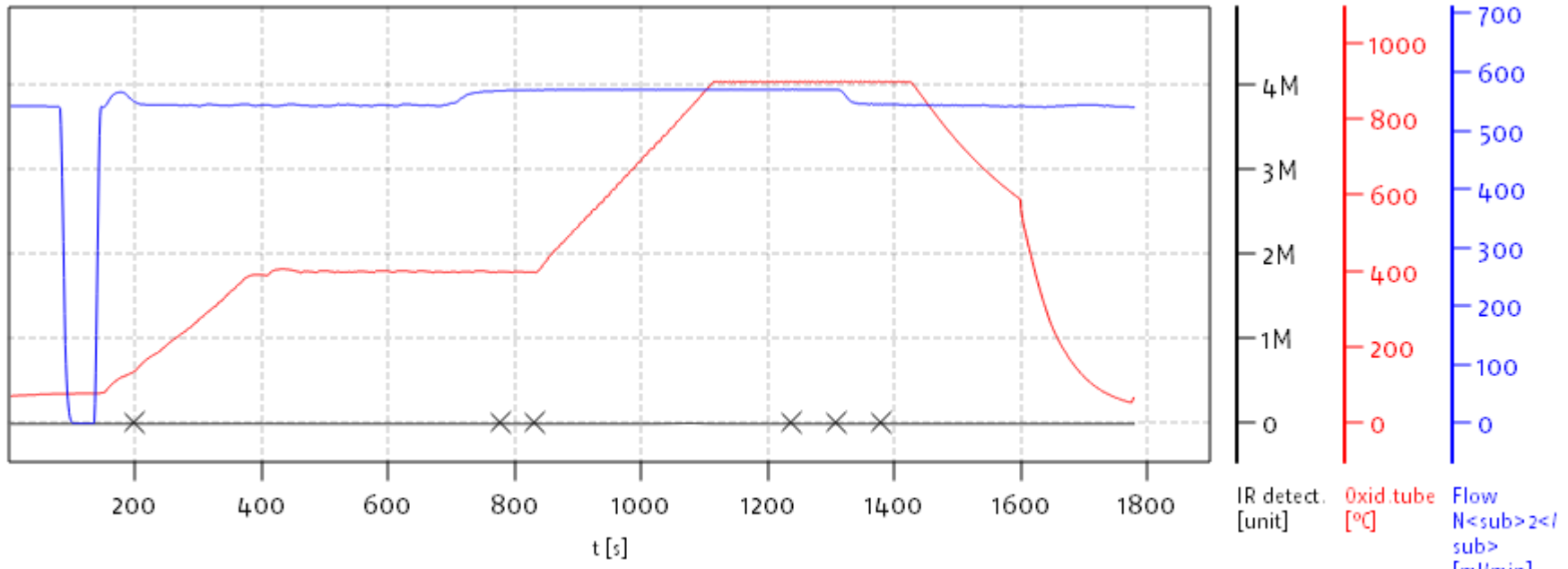
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
3	3	SEQ-CAL1	200.00	0.0027	1.00	CARBON	4/26/2022 12:30 PM	0.010	0.008	0.018	bl,C1u,C2u	7 294	11 739	22	1.0000	0.7425



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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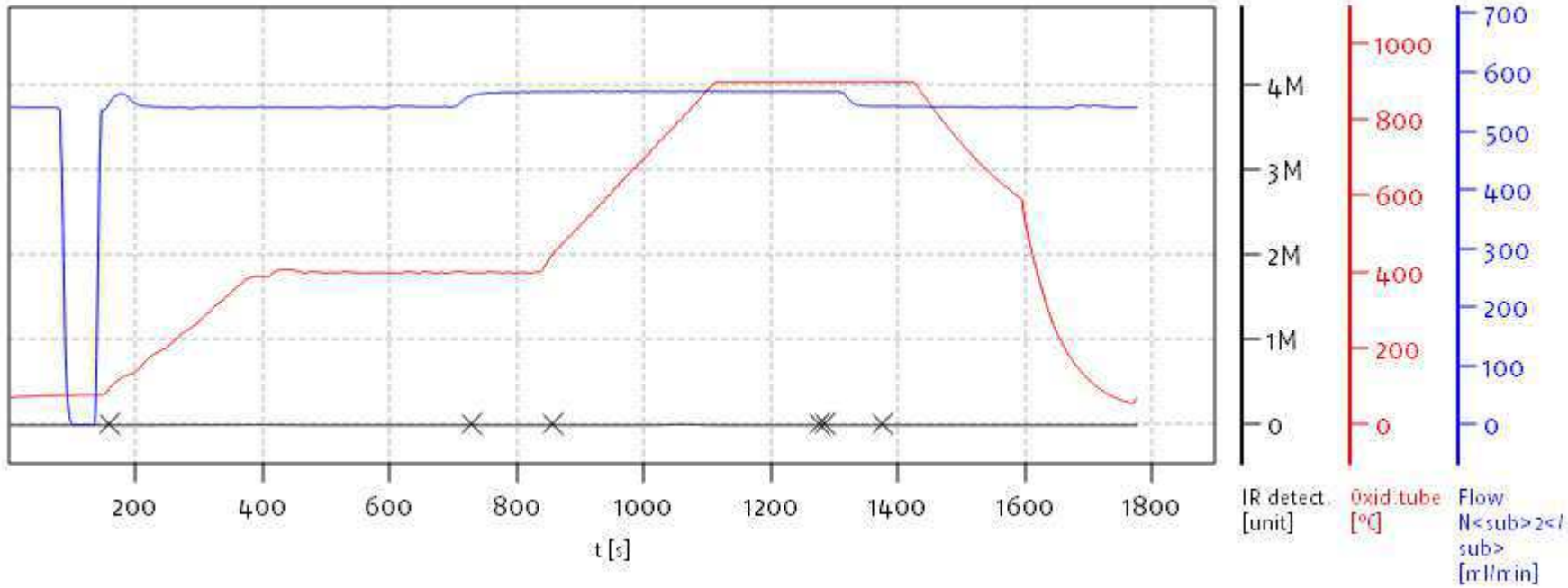
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
4	4	SEQ-CAL2	200.00	0.0049	1.00	CARBON	4/26/2022 1:00 PM	0.023	0.015	0.038	bl,C2u	23 296	19 107	47	1.0000	0.8936



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Access: soliTOC superuser

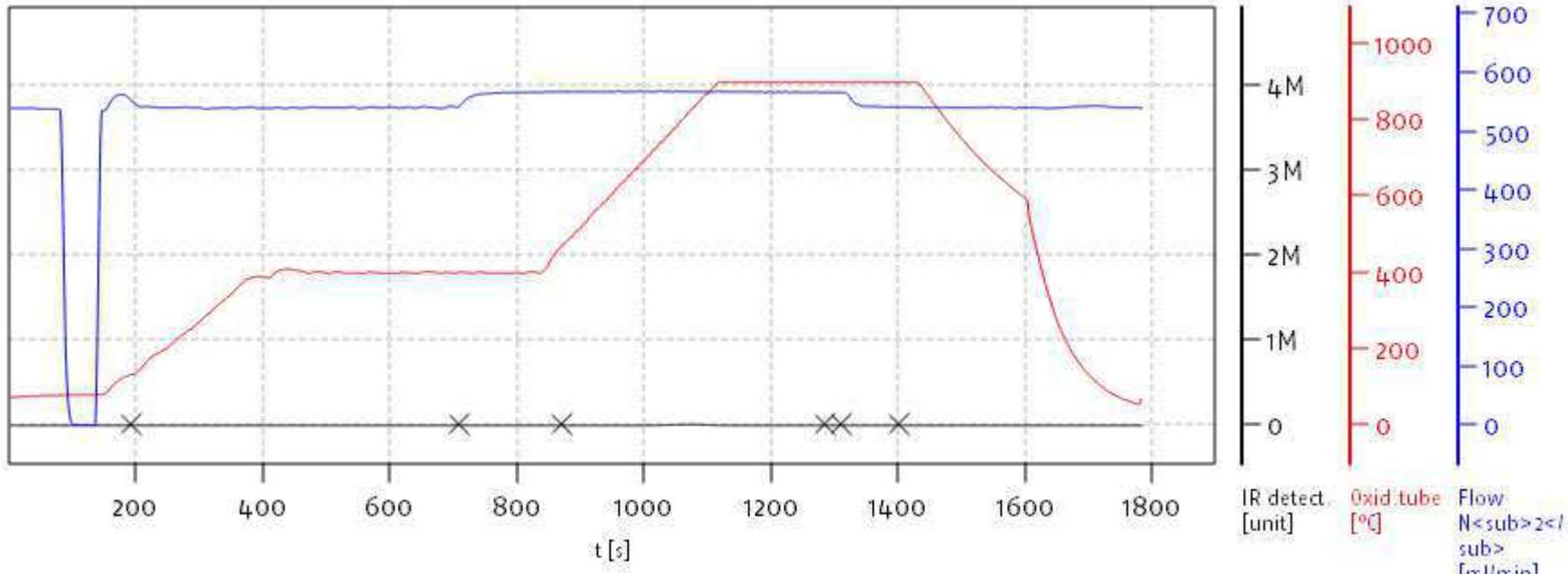
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
5	5	SEQ-CAL3	200.00	0.0071	1.00	CARBON	4/26/2022 1:30 PM	0.006	0.022	0.028	bl,C1u,C2u	2 319	27 530	170	1.0000	0.9343



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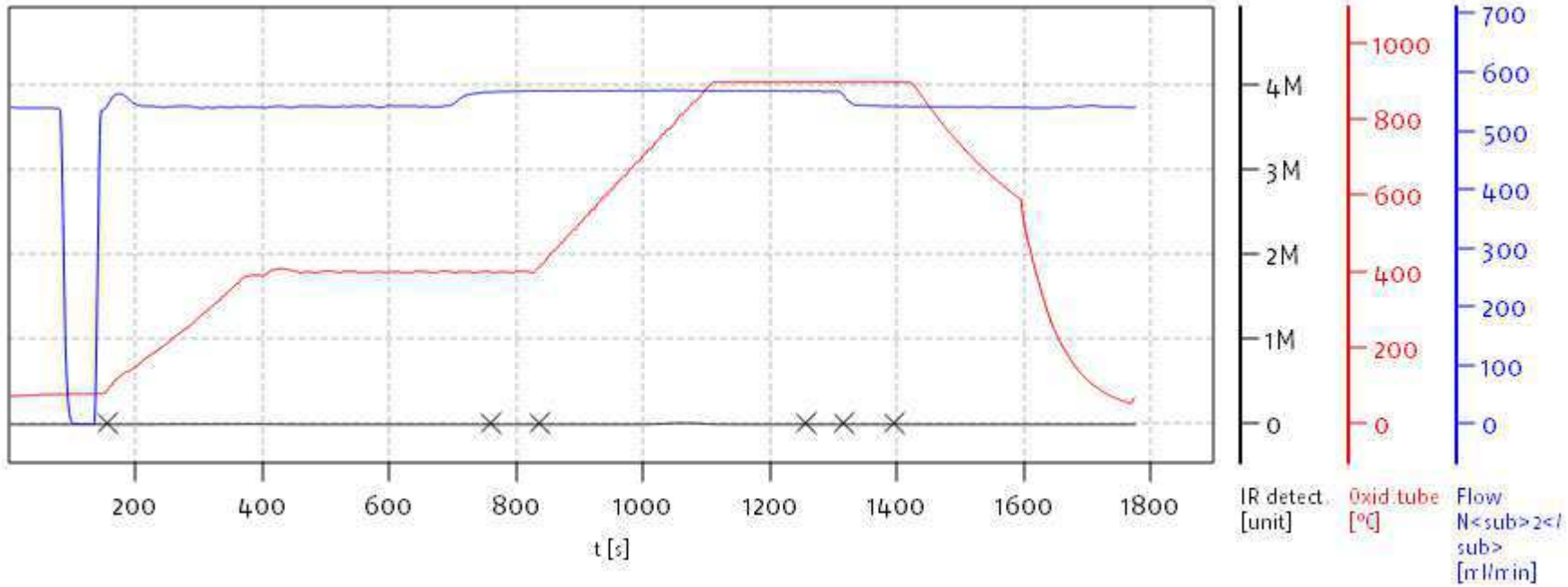
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
6	6	SEQ-CAL4	200.00	0.0098	1.00	CARBON	4/26/2022 2:00 PM	0.020	0.030	0.050	bl,C2u	19 746	38 017	109	1.0000	0.9461



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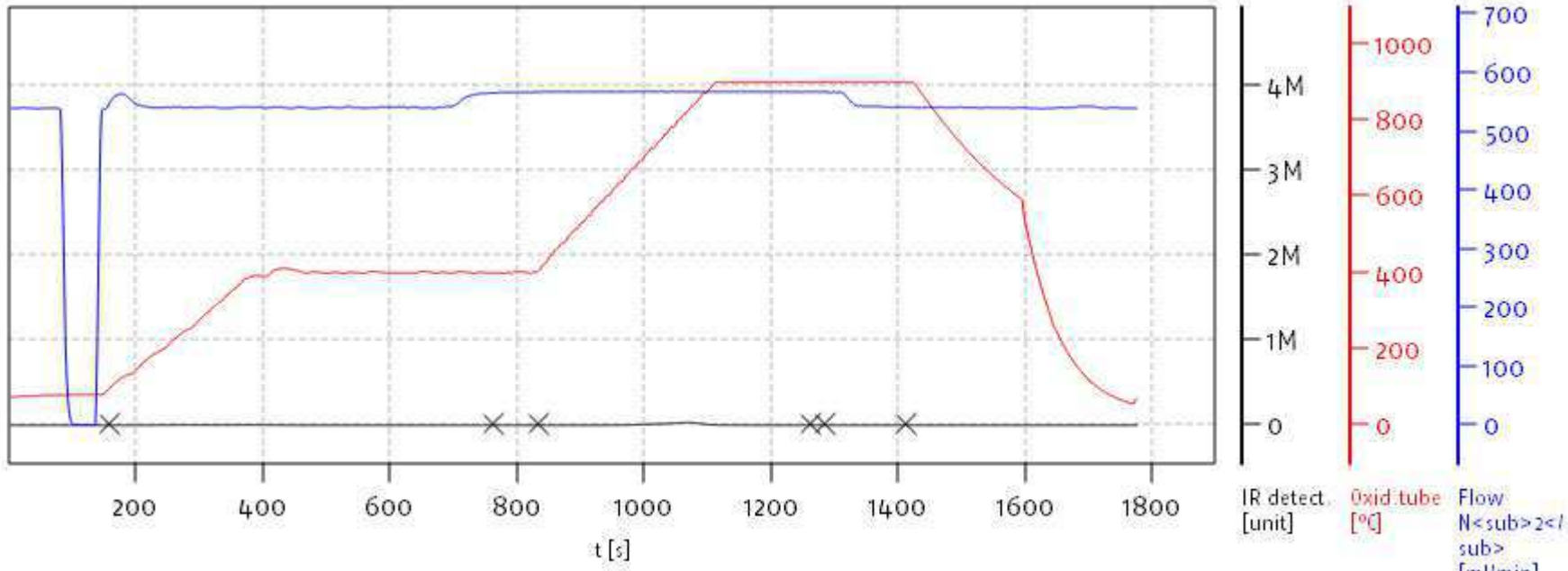
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
7	7	SEQ-CAL5	200.00	0.0148	1.00	CARBON	4/26/2022 2:30 PM	0.021	0.045	0.066	bl,C2u	20 951	92 945	236	1.0000	0.5975



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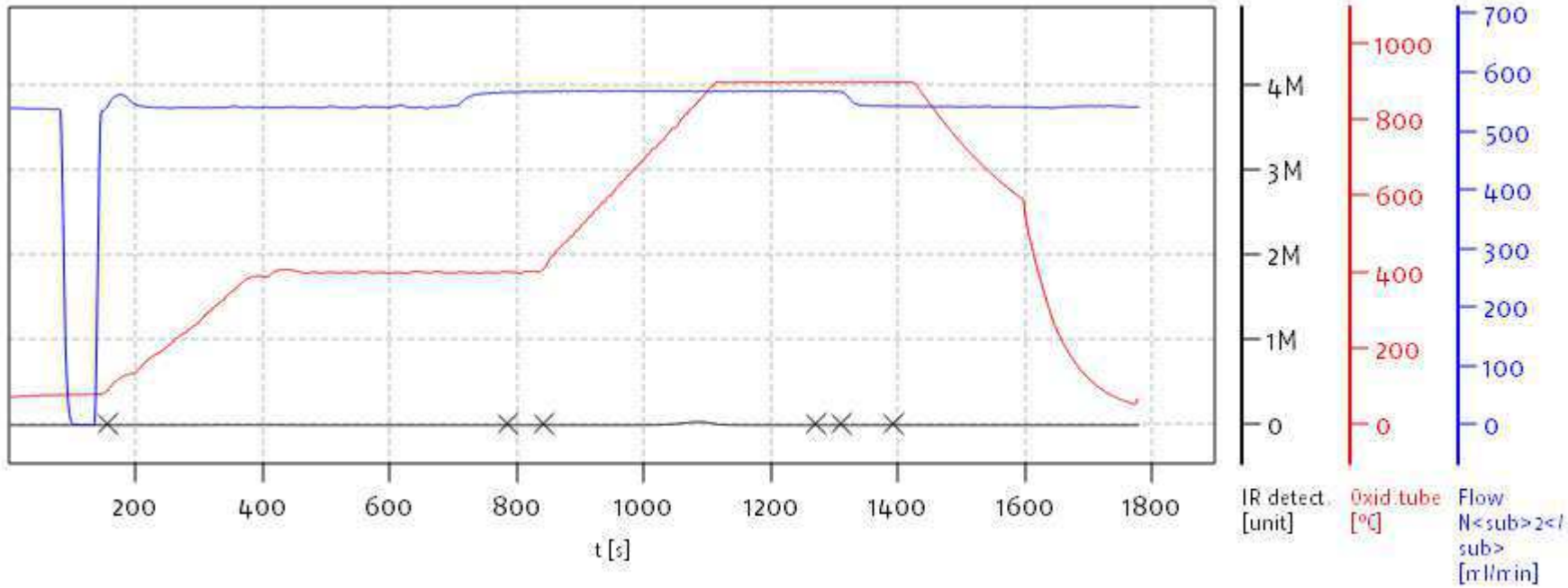
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
8	8	SEQ-CAL6	200.00	0.0196	1.00	CARBON	4/26/2022 3:00 PM	0.012	0.061	0.073	bl,C2u	10 118	82 297	59	1.0000	0.9144



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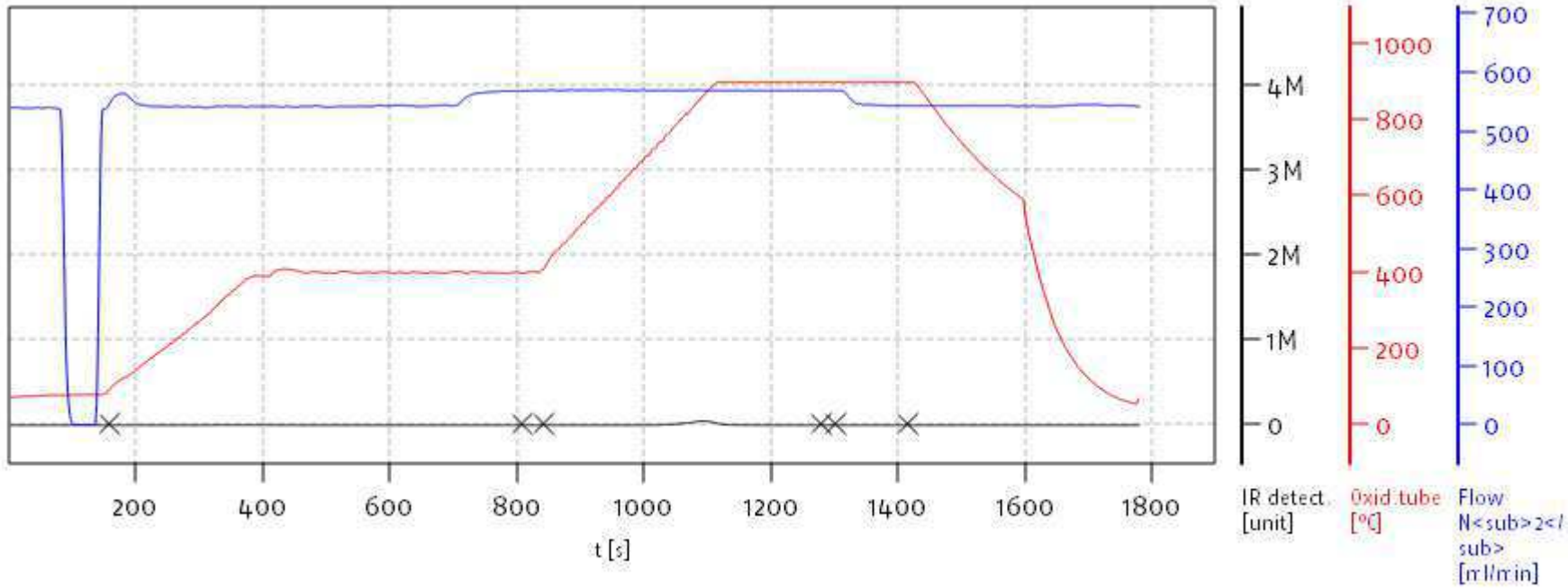
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
9	9	SEQ-CAL7	200.00	0.0247	1.00	CARBON	4/26/2022 3:30 PM	0.013	0.075	0.088	bl,C2u	10 555	101 530	292	1.0000	0.9173



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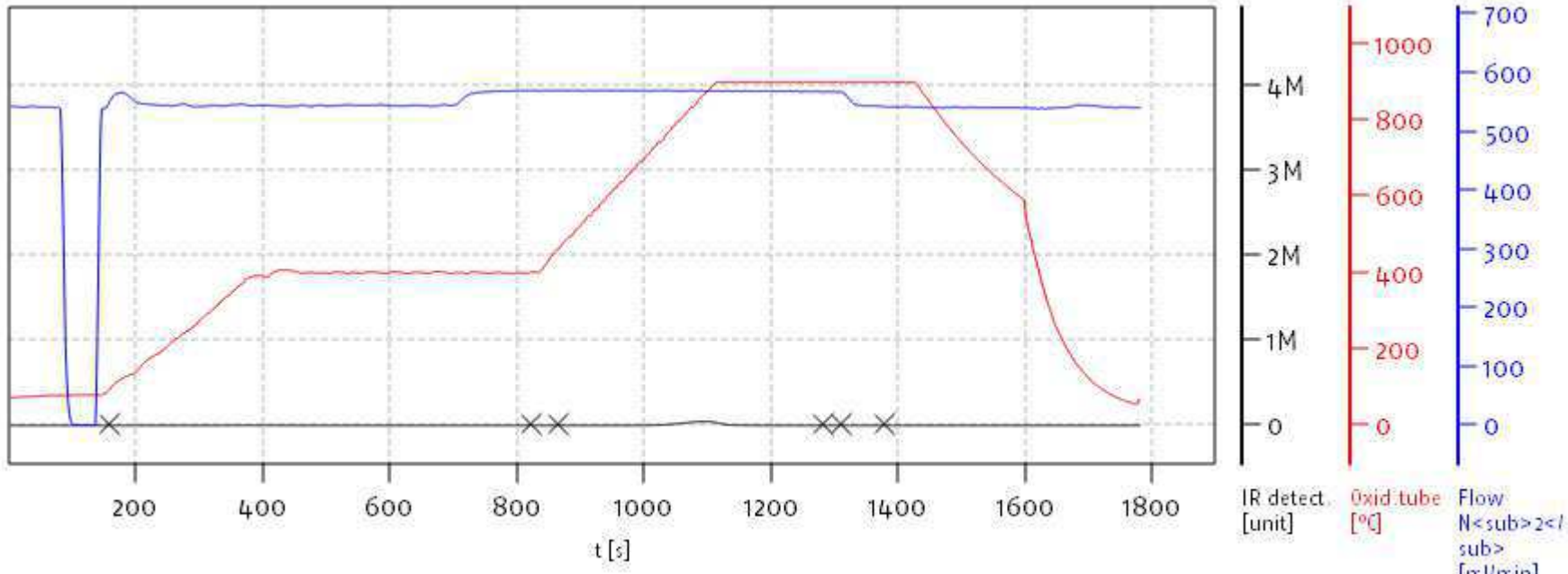
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
10	10	SEQ-CAL8	200.00	0.0298	1.00	CARBON	4/26/2022 4:00 PM	0.009	0.091	0.100	bl,C1u,C2u	6 668	120 822	116	1.0000	0.9312



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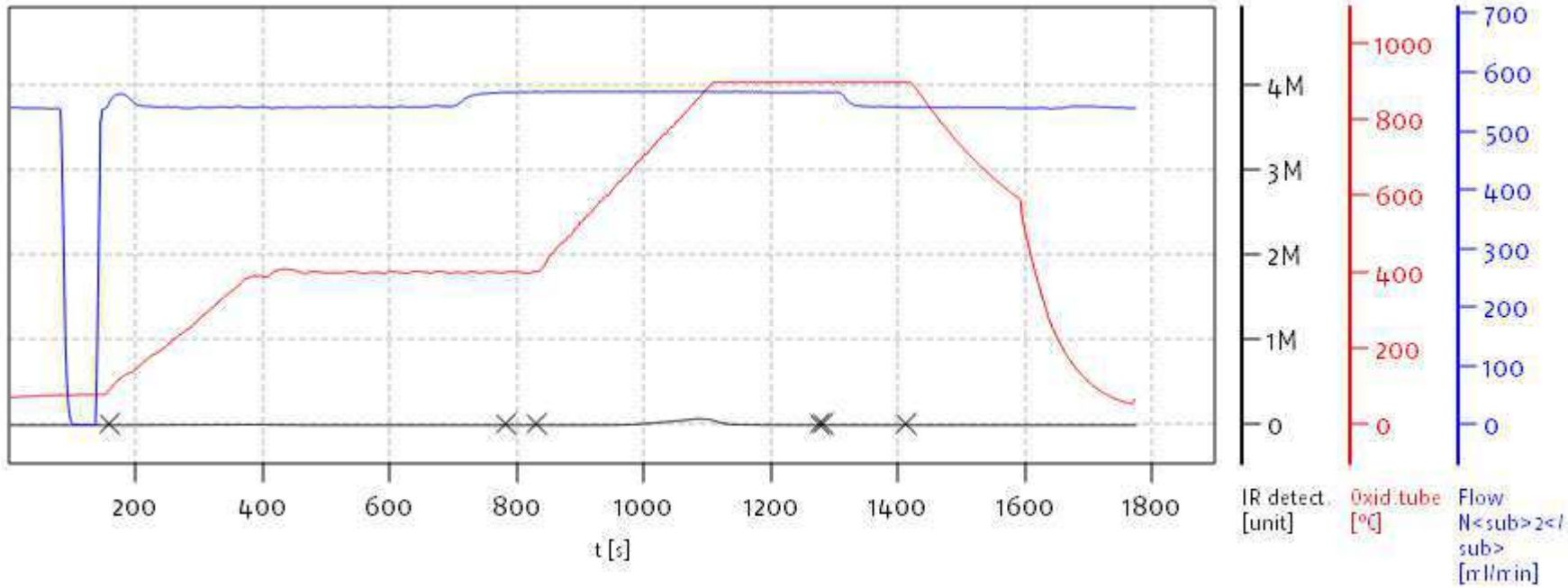
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
11	11	SEQ-CAL9	200.00	0.0402	1.00	CARBON	4/26/2022 4:30 PM	0.031	0.120	0.151	bl,C2u	32 999	260 234	1 044	1.0000	0.5792



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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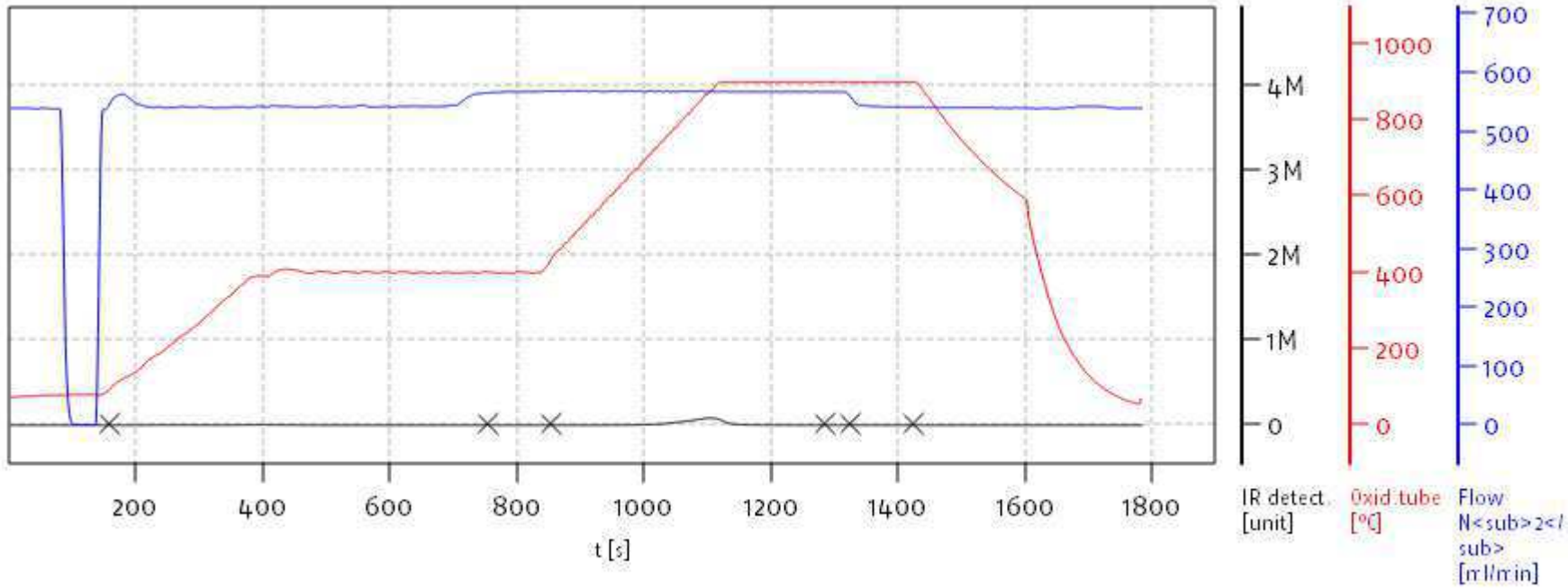
elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: 4/27/2022 11:05 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
12	12	SEQ-CALA	200.00	0.0500	1.00	CARBON	4/26/2022 5:00 PM	0.021	0.151	0.172	bl,C2u	20 147	233 779	913	1.0000	0.8099



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Mode CCC

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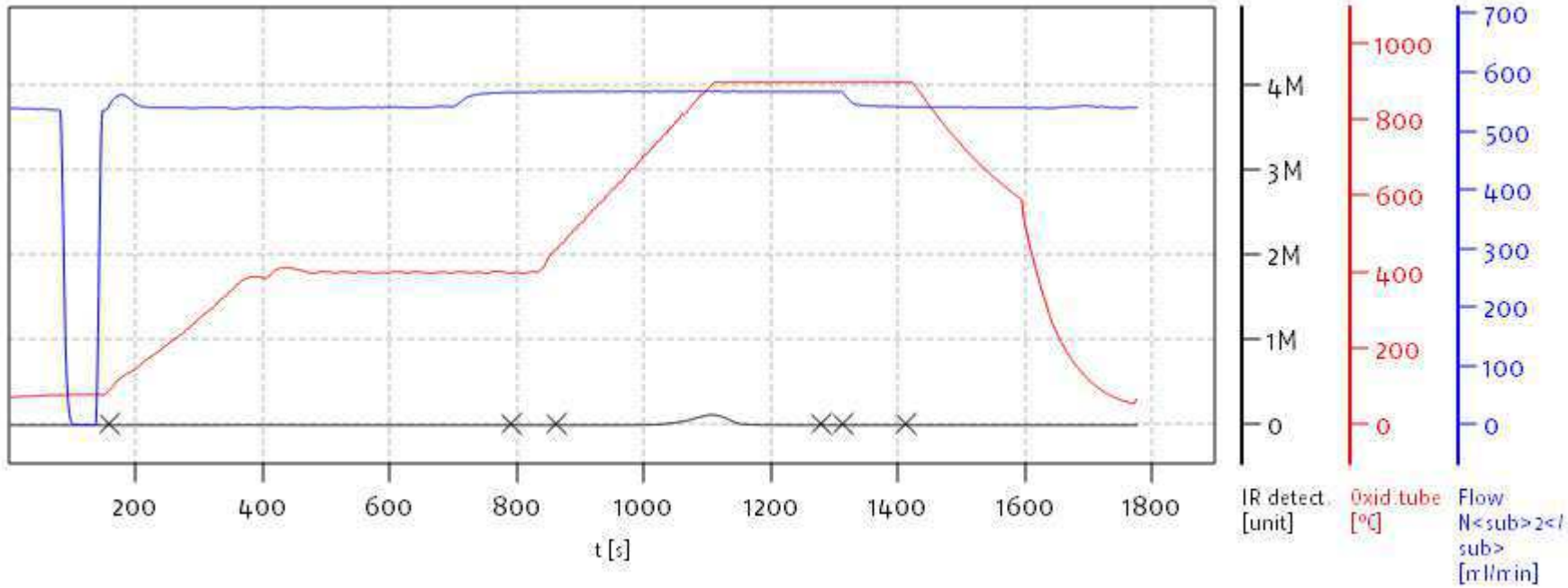
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
13	13	SEQ-CALB	200.00	0.0040	1.00	CARBON	4/26/2022 5:30 PM	0.010	0.258	0.268	bl,C1u,C2u	7 070	323 151	663	1.0000	1.0048



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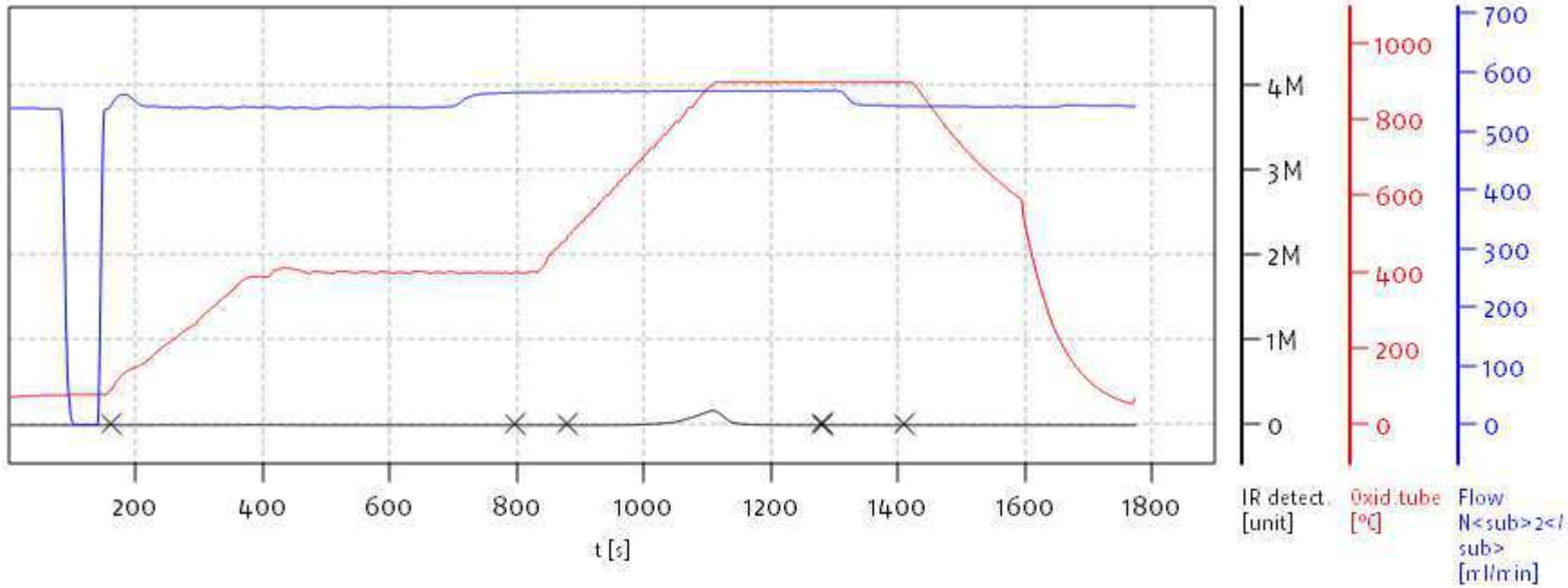
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
14	14	SEQ-CALC	200.00	0.0048	1.00	CARBON	4/26/2022 6:00 PM	0.015	0.324	0.339	bl,C2u	13 785	411 879	575	1.0000	0.9917



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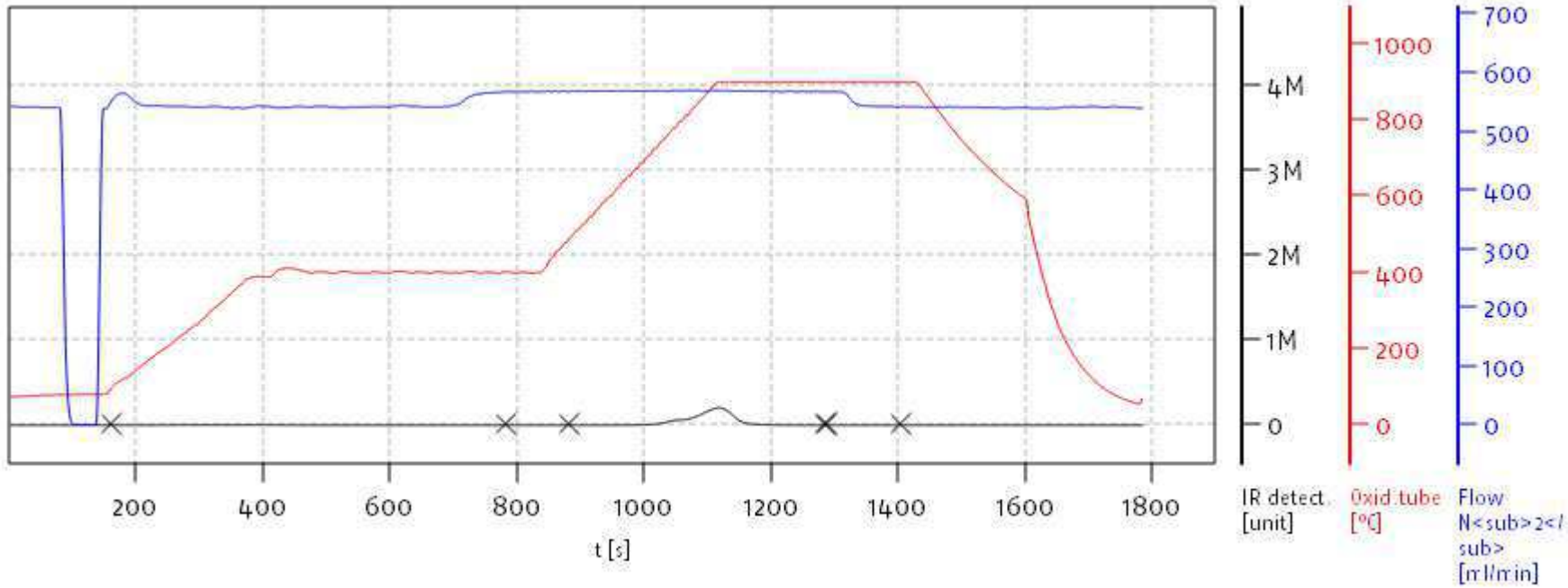
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
15	15	SEQ-CALD	200.00	0.0069	1.00	CARBON	4/26/2022 6:30 PM	0.019	0.444	0.463	bl,C2u	18 465	553 540	263	1.0000	1.0129



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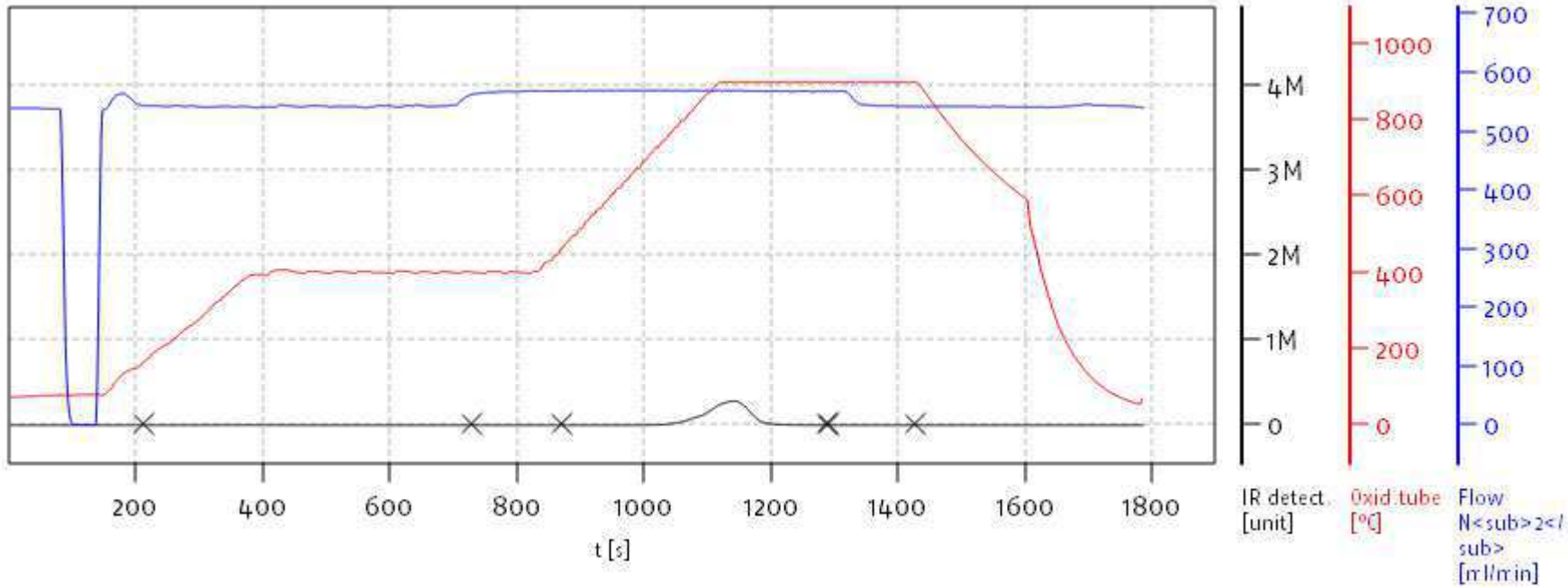
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
16	16	SEQ-CALE	200.00	0.0101	1.00	CARBON	4/26/2022 7:00 PM	0.009	0.600	0.609	bl,C1u,C2u	5 485	839 878	536	1.0000	0.9036



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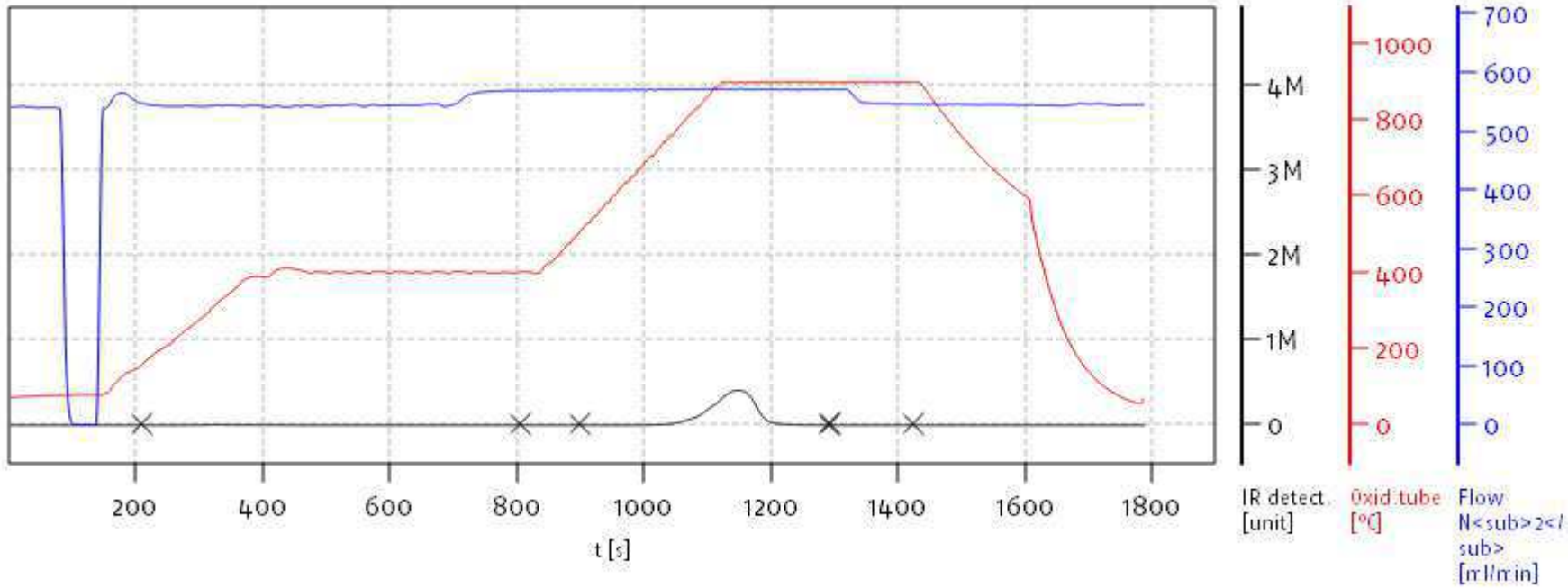
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
17	17	SEQ-CALF	200.00	0.0149	1.00	CARBON	4/26/2022 7:31 PM	0.019	0.906	0.925	bl,C2u	17 439	1 236 200	814	1.0000	0.9279



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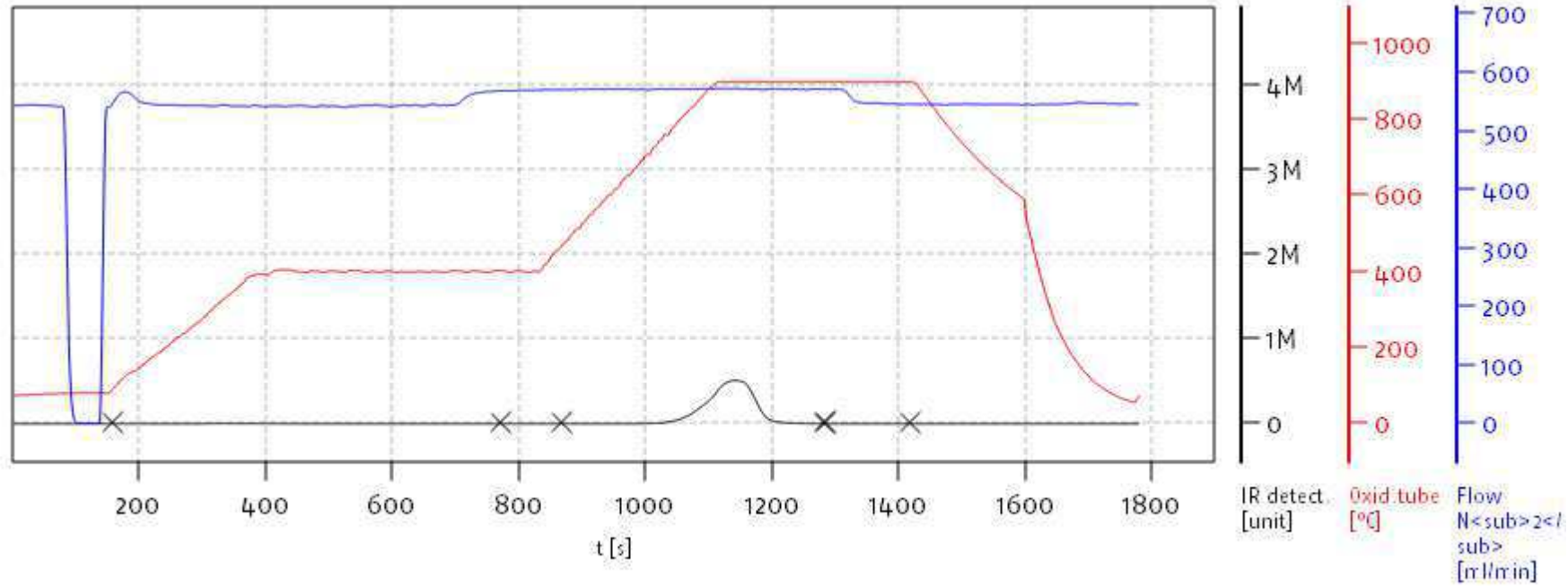
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
18	18	SEQ-CALG	200.00	0.0198	1.00	CARBON	4/26/2022 8:01 PM	0.015	1.206	1.221	bl,C2u	12 557	1 639 190	1 295	1.0000	0.9320



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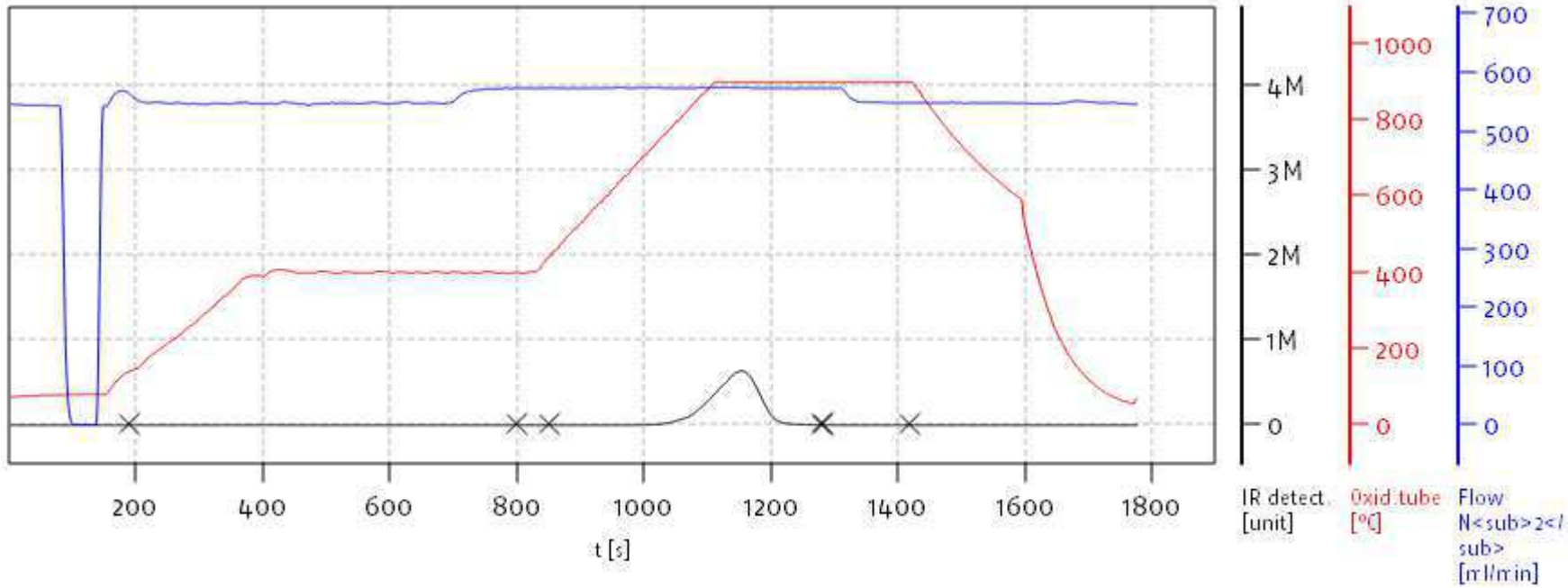
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
19	19	SEQ-CALH	200.00	0.0250	1.00	CARBON	4/26/2022 8:31 PM	0.009	1.524	1.533	bl,C1u,C2u	4 029	2 063 890	2 225	1.0000	0.9357



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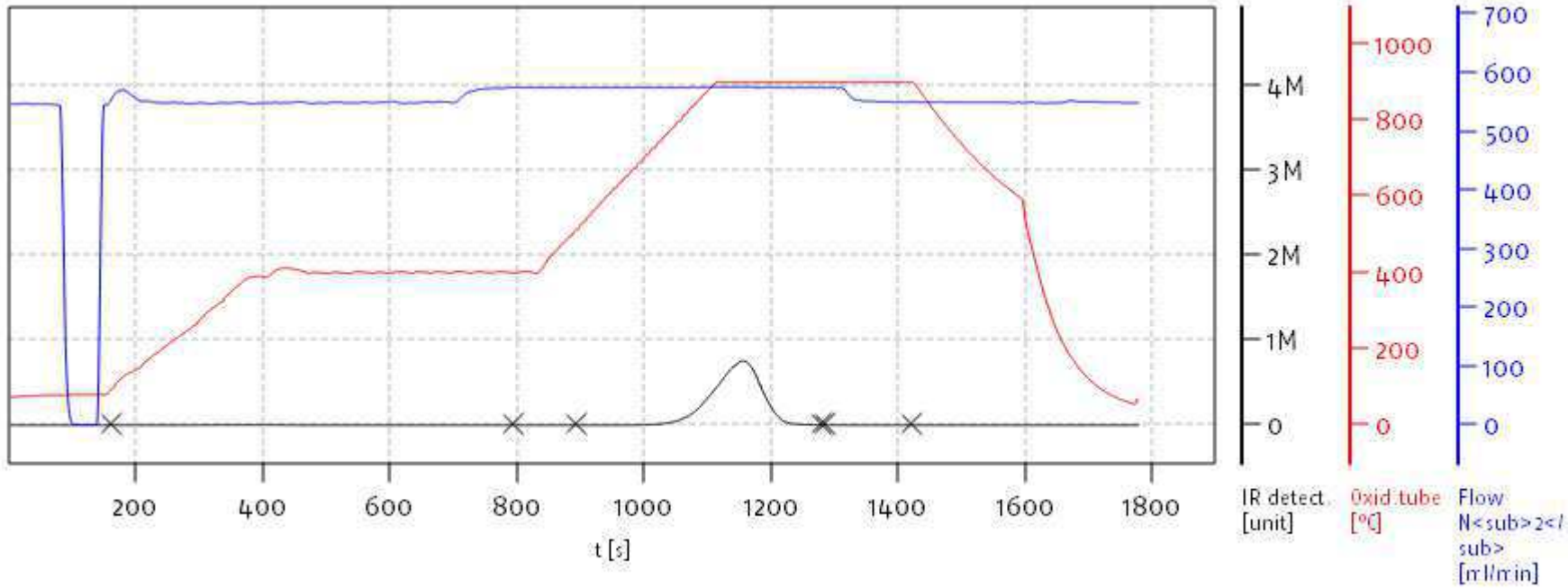
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
20	20	SEQ-CALI	200.00	0.0303	1.00	CARBON	4/26/2022 9:01 PM	0.017	1.800	1.817	bl,C2u	13 926	2 495 900	2 903	1.0000	0.9140



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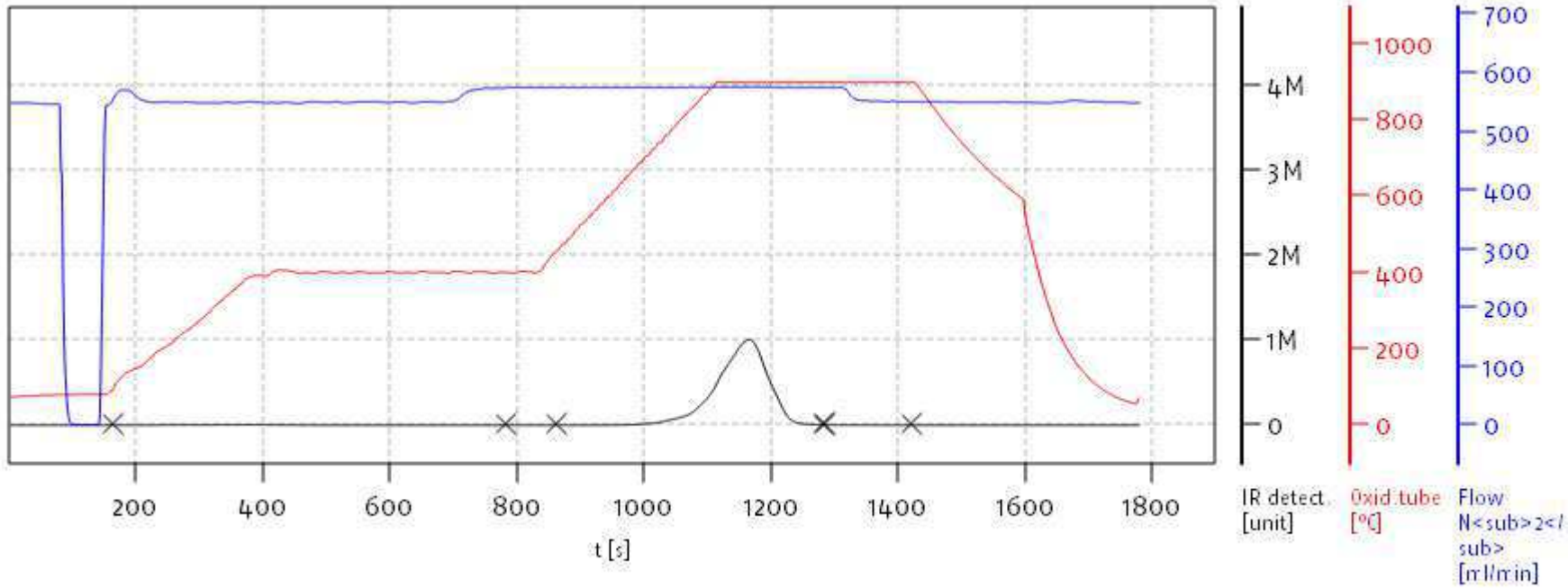
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
21	21	SEQ-CALJ	200.00	0.0415	1.00	CARBON	4/26/2022 9:31 PM	0.031	2.400	2.431	bl,C2u	28 786	3 482 530	5 351	1.0000	0.8737



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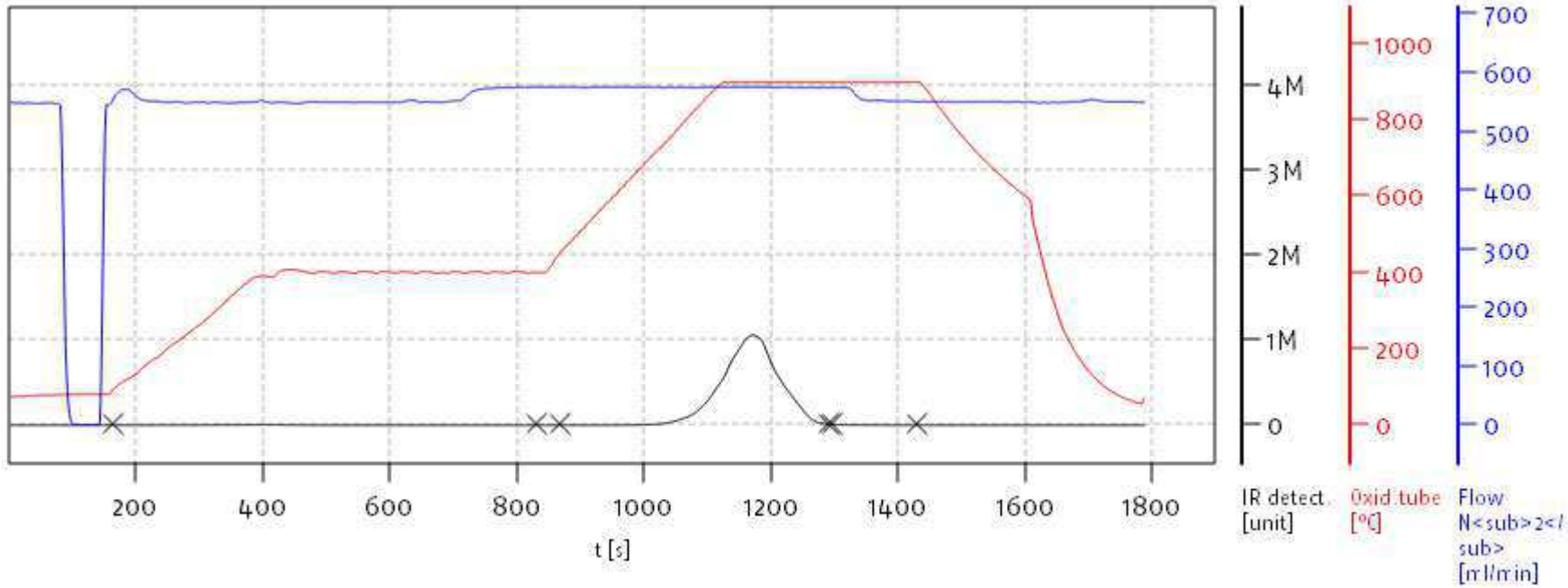
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
22	22	SEQ-CALK	200.00	0.0497	1.00	CARBON	4/26/2022 10:01 PM	0.031	3.012	3.043	bl	23 732	4 105 830	9 736	1.0000	0.9301



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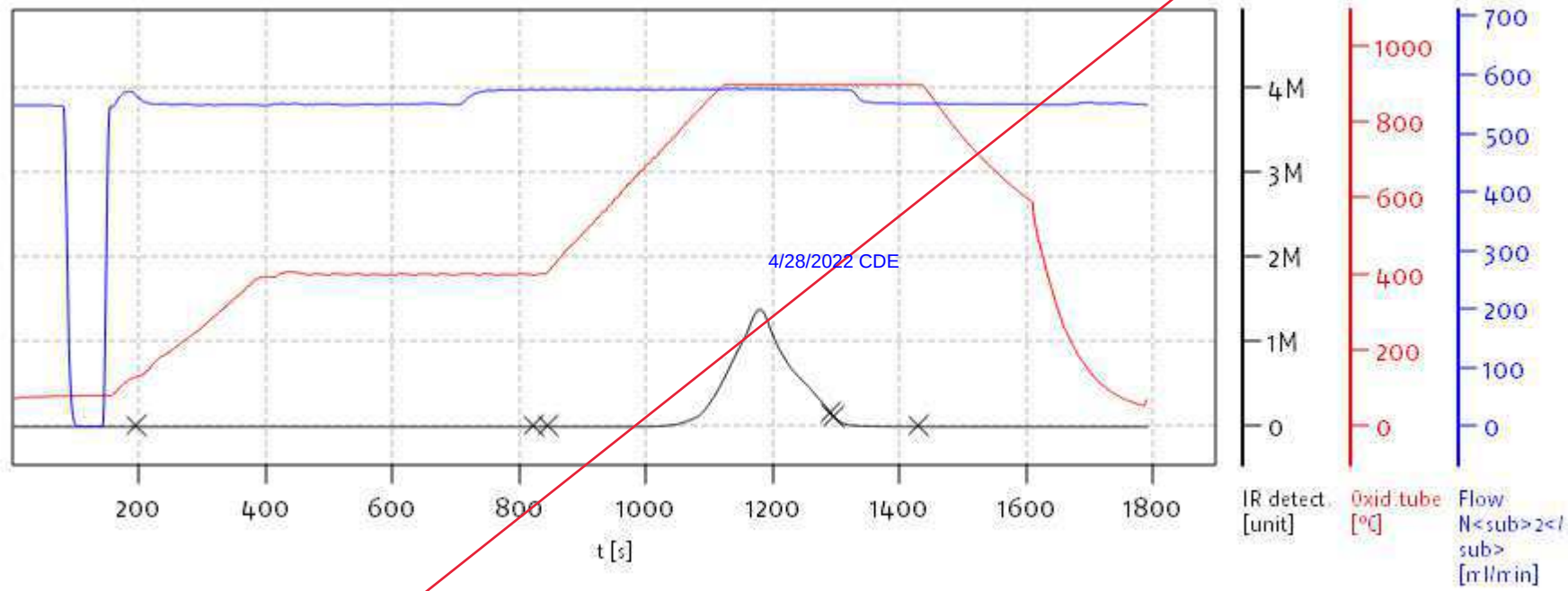
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
23	23	SEQ-CALL	200.00	0.0698	1.00	CARBON	4/26/2022 10:31 PM	0.005	3.805	3.810	bl,C1u	3 605	5 648 620	71 970	1.0000	0.9443



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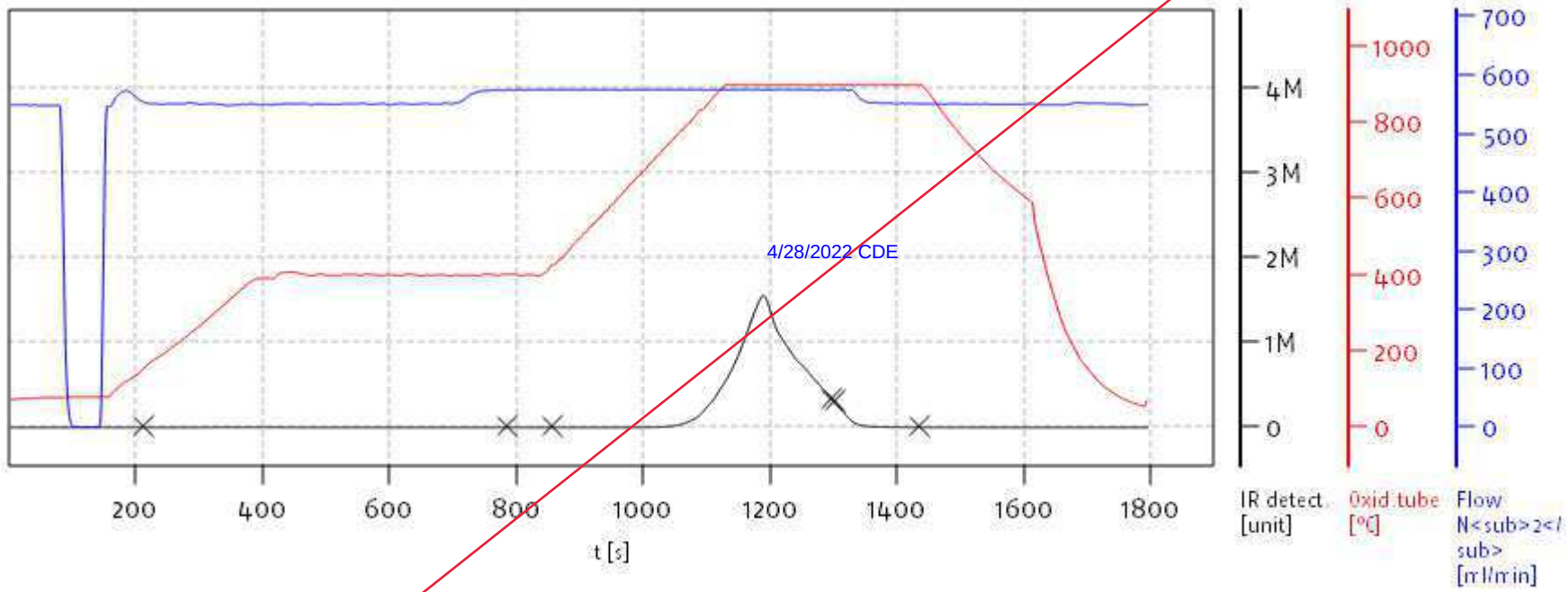
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
24	24	SEQ-CALM	200.00	0.0803	1.00	CARBON	4/26/2022 11:02 PM	0.010	4.637	4.647	bl	10 023	6 397 530	228 171	1.0000	0.9539



Name:

Access: soliTOC superuser

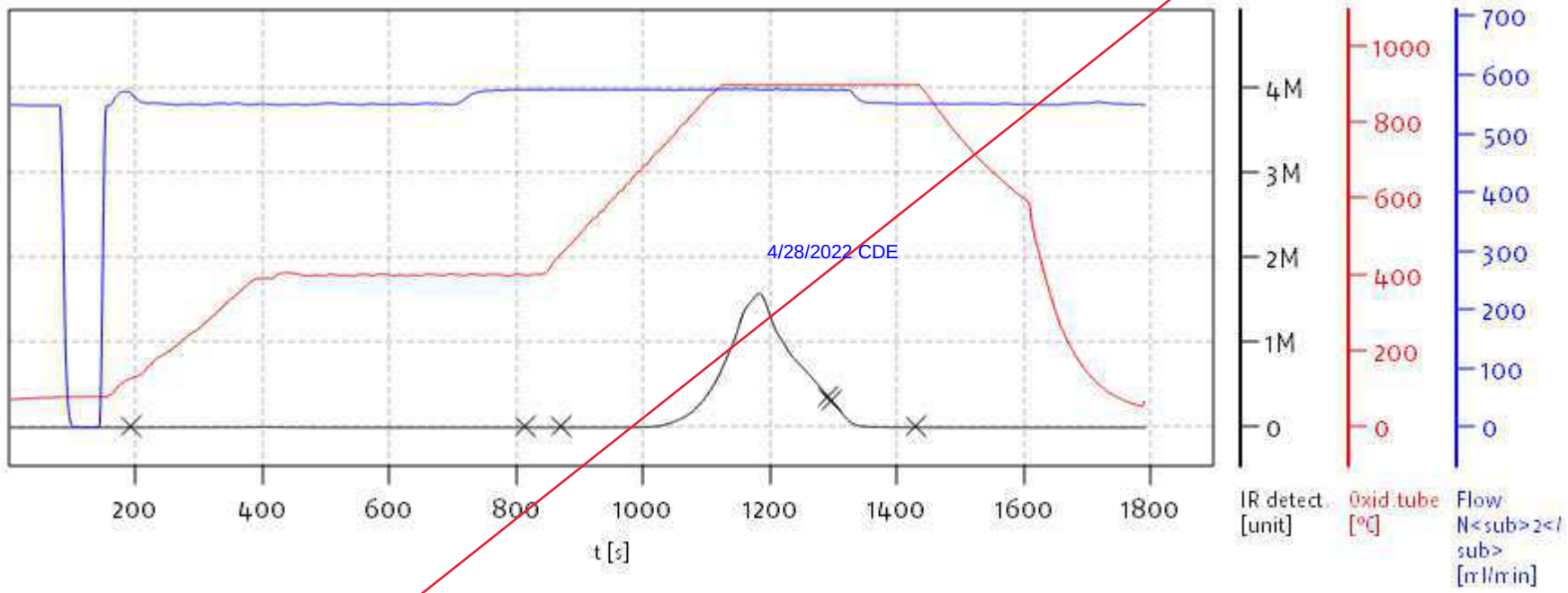
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
25	25	SEQ-CALN	200.00	0.0901	1.00	CARBON	4/26/2022 11:32 PM	0.020	5.219	5.239	bl	23 354	7 186 580	239 986	1.0000	0.9540



Name:

Access: soliTOC superuser

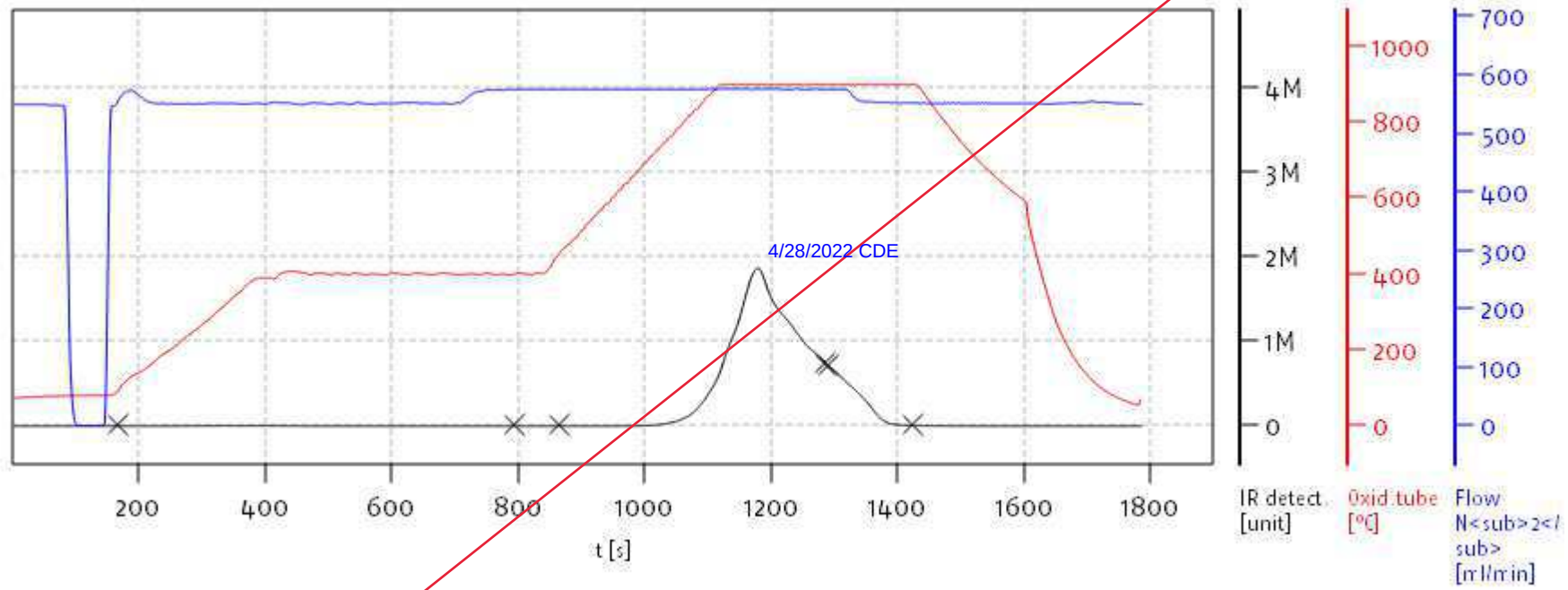
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
26	26	SEQ-CALO	200.00	0.1200	1.00	CARBON	4/27/2022 12:02 AM	0.019	7.915	7.934	bl,C3o	21 248	8 544 610	1 334 580	1.0000	1.0714



Name:

Access: soliTOC superuser

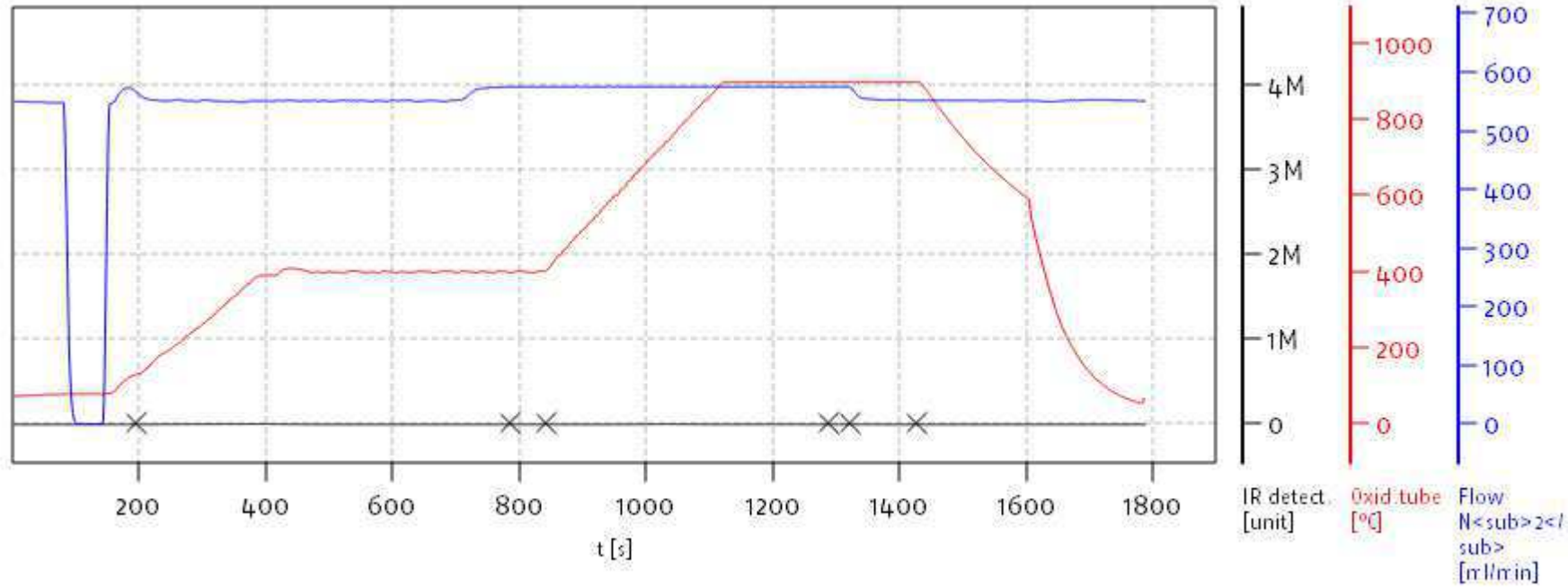
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
27	27	BLANK	1.00		1.00	CARBON	4/27/2022 12:32 AM	0.000	0.000	0.000	bl	29 766	19 596	1 205	1.0000	0.9007



Name:

Access: soliTOC superuser

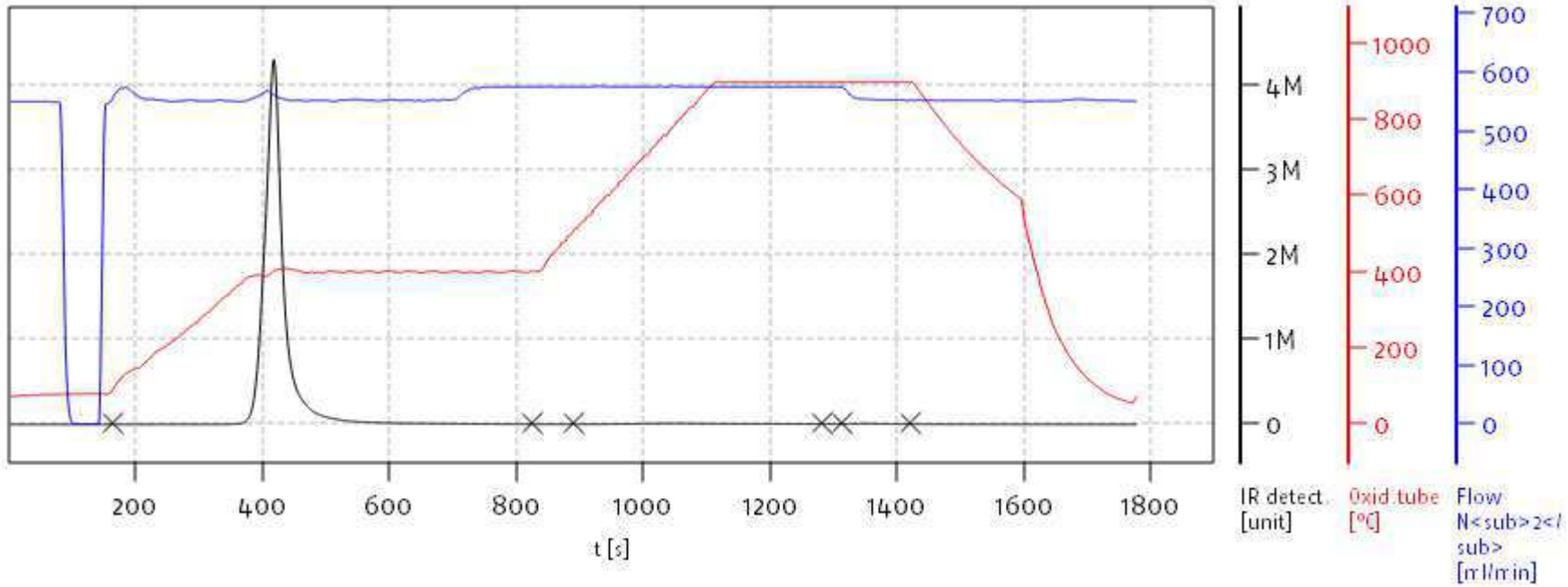
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
28	28	Dfactor	19.00		1.00	CARBON	4/27/2022 1:02 AM	44.678	0.893	45.571	bl	5 588 680	104 999	25 384	0.9581	1.0000



Name:

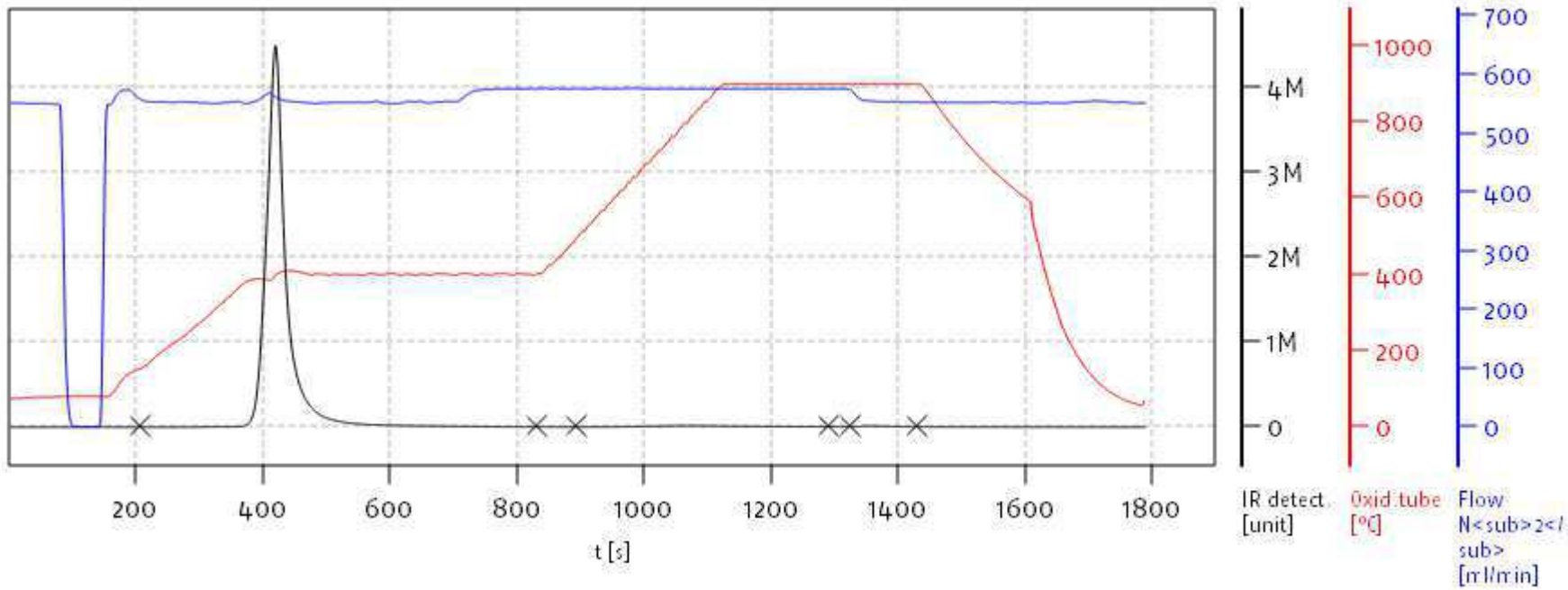
Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
29	29	Dfactor	20.80		1.00	CARBON	4/27/2022 1:32 AM	44.694	0.937	45.631	bl	6 076 750	120 961	30 224	0.9647	1.0000



Name:

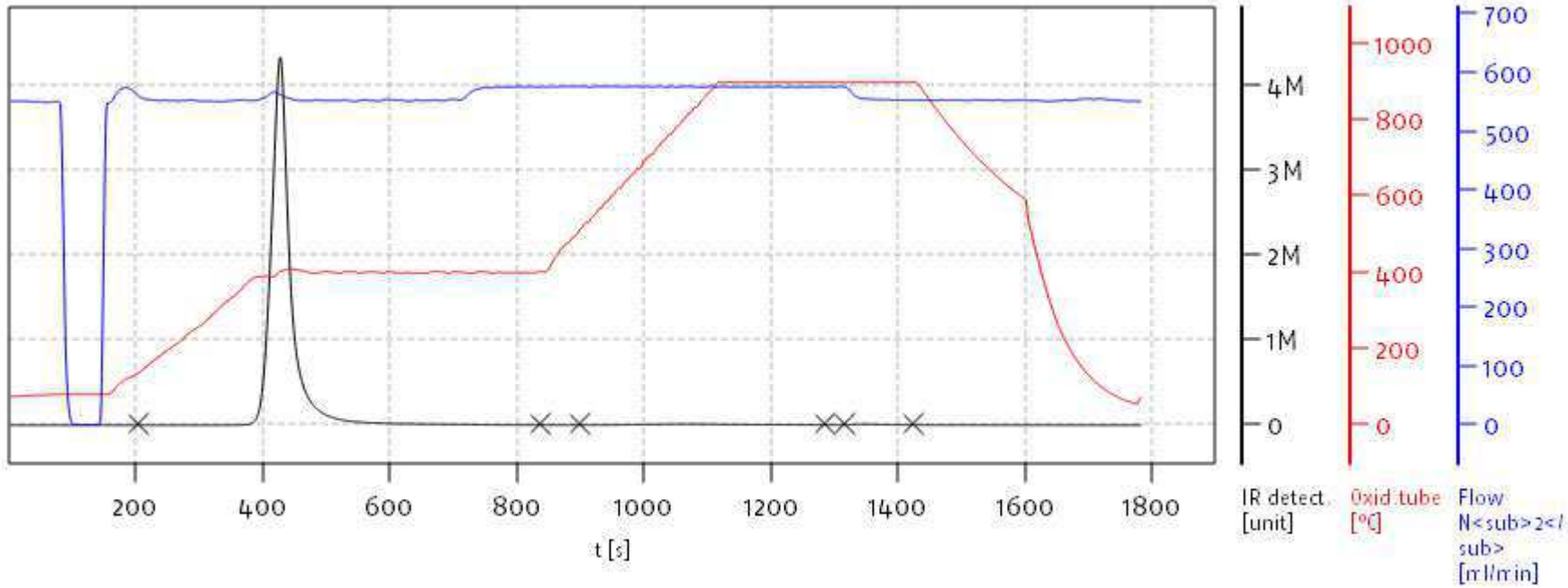
Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
30	30	SEQ-ICV1	19.40		1.00	CARBON	4/27/2022 2:03 AM	44.964	0.742	45.706	bl	5 722 450	98 735	27 054	0.9614	0.9007



Name:

Access: soliTOC superuser

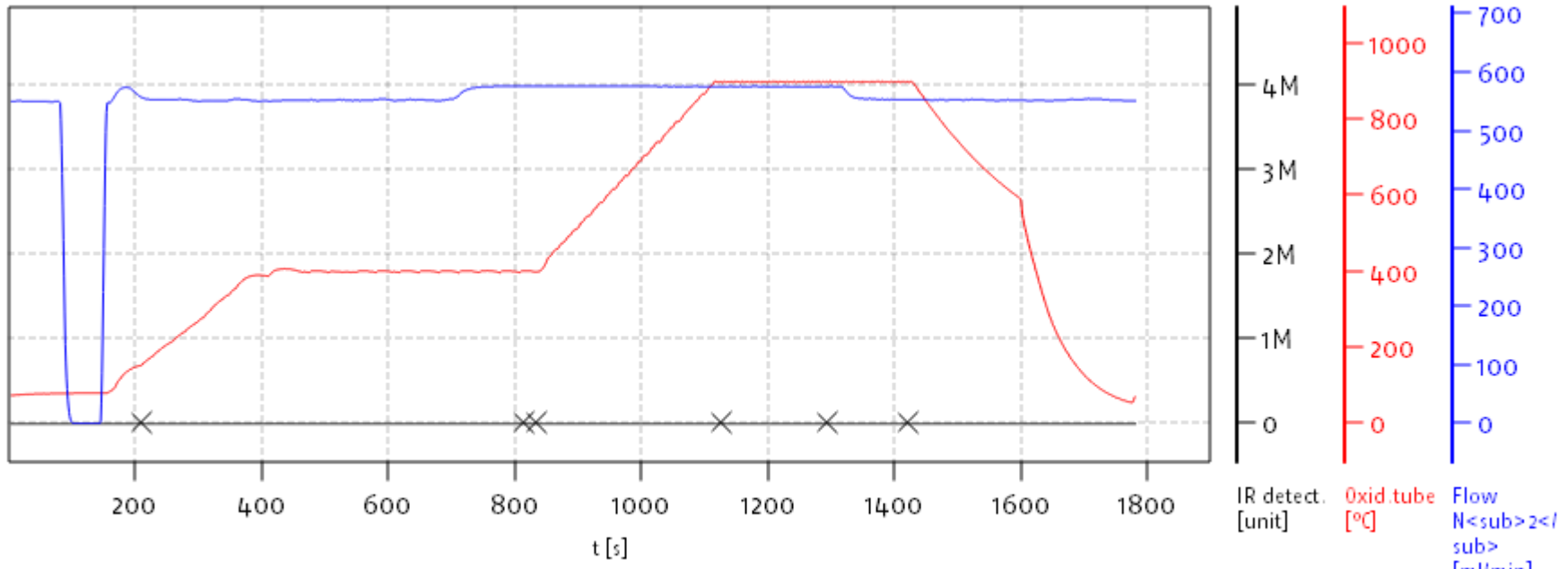
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
31	31	SEQ-ICB1	501.10		1.00	CARBON	4/27/2022 2:33 AM	0.002	0.001	0.003	bl,C1u,C3u,C2u	2 158	225	165	0.9614	0.9007



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

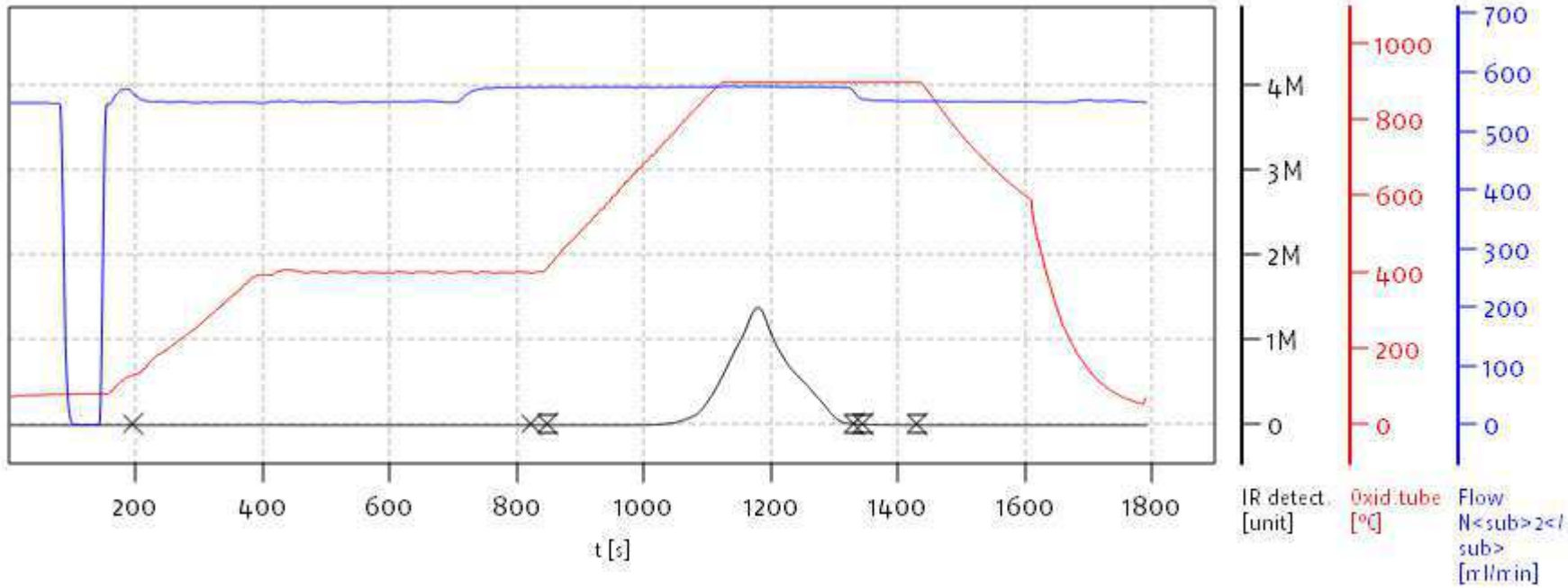
elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: 4/27/2022 11:05 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
23	23	SEQ-CALL	200.00	0.0698	1.00	CARBON	4/27/2022 11:08 AM	0.005	3.917	3.922	bl,C1u	3 605	**5 260 365**	**0**	1.0000	0.9443



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:10:16 2022

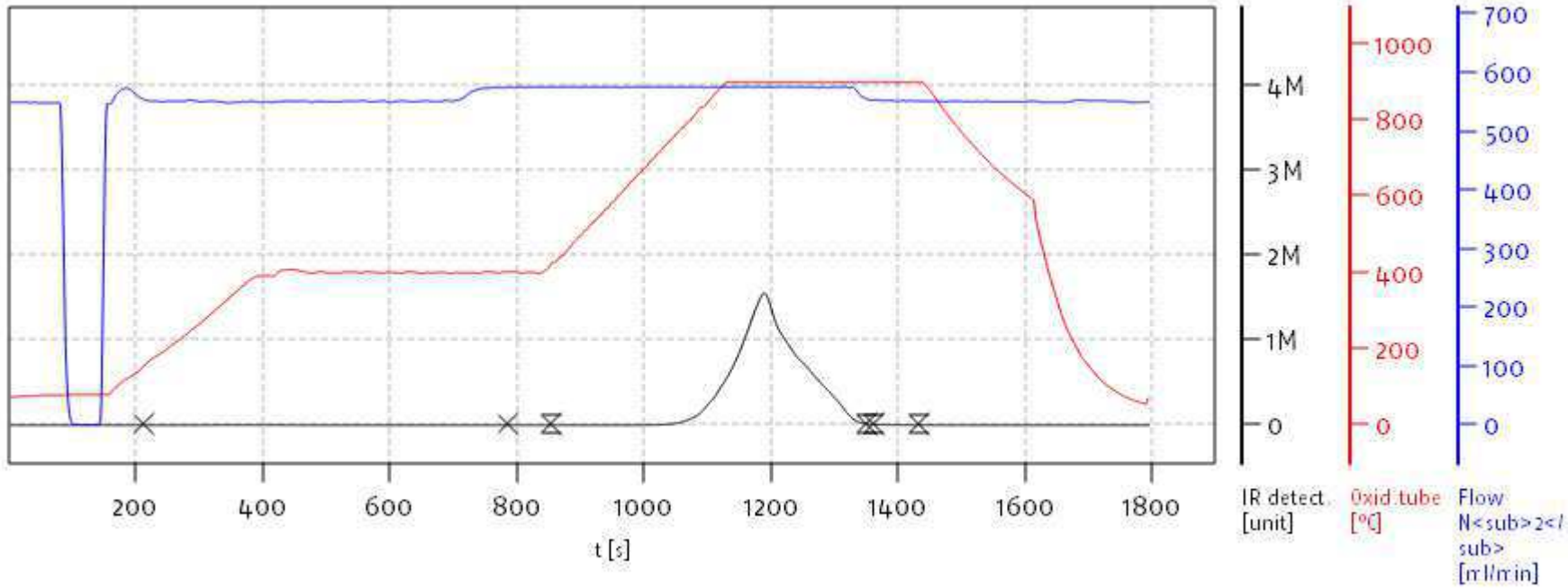
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: --.--.-- (modified)

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
24	24	SEQ-CALM	200.00	0.0803	1.00	CARBON	4/27/2022 11:08 AM	0.010	4.637	4.647	bl	10 023	**6 164 833**	**0**	1.0000	0.9539



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:10:16 2022

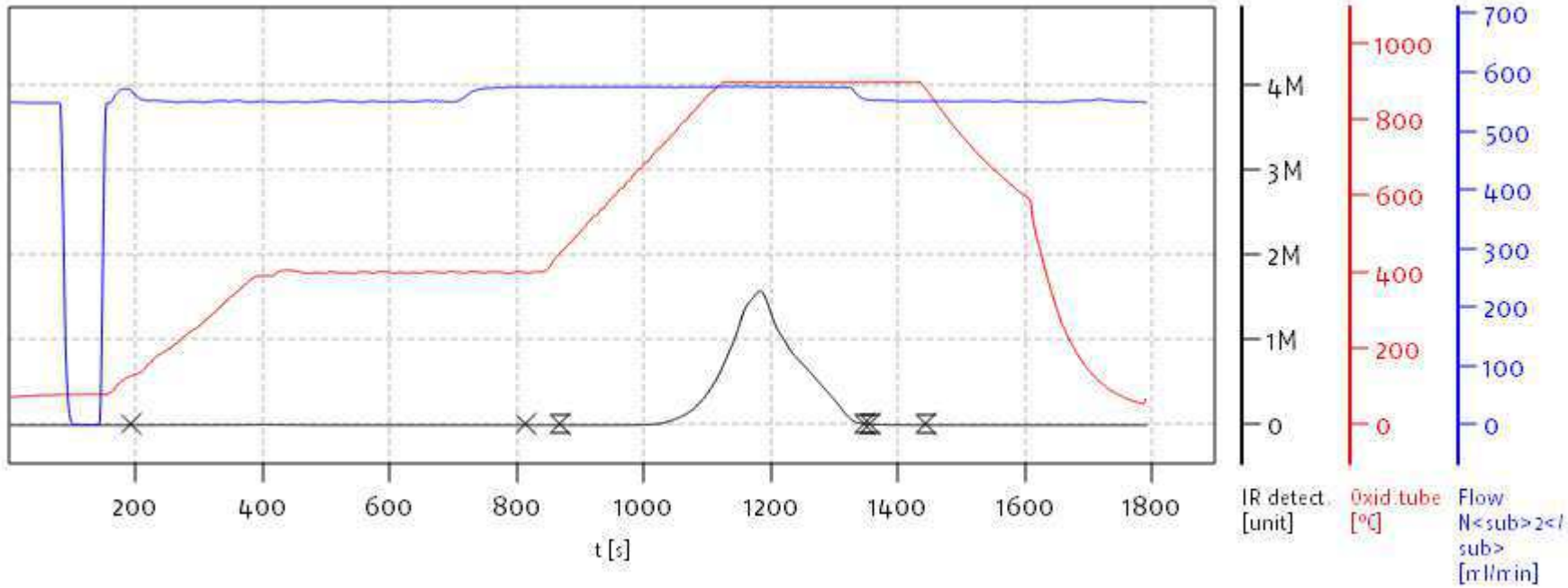
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: --.--.-- (modified)

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
25	25	SEQ-CALN	200.00	0.0901	1.00	CARBON	4/27/2022 11:09 AM	0.020	5.219	5.239	bl	23 354	**6 937 833**	**0**	1.0000	0.9540



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:10:16 2022

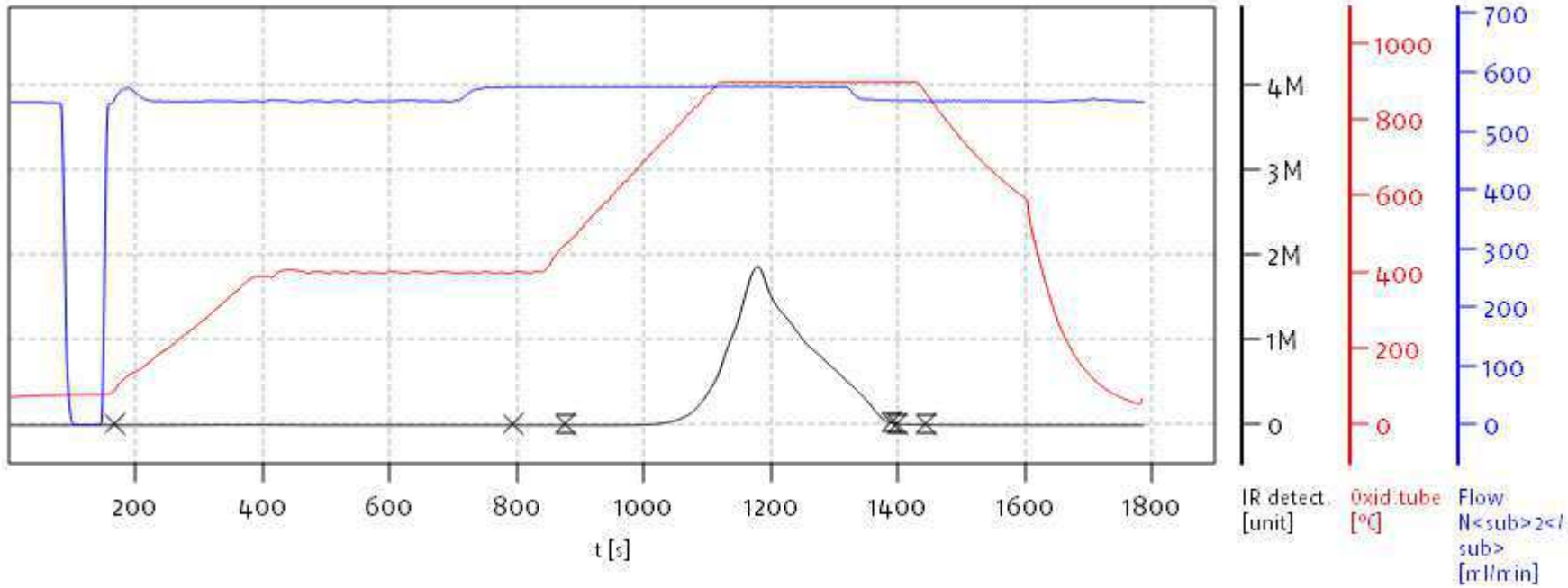
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: --.--.-- (modified)

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
26	26	SEQ-CALO	200.00	0.1200	1.00	CARBON	4/27/2022 11:09 AM	0.019	7.915	7.934	bl,C3o	21 248	9 370 139	0	1.0000	1.0714



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:10:16 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

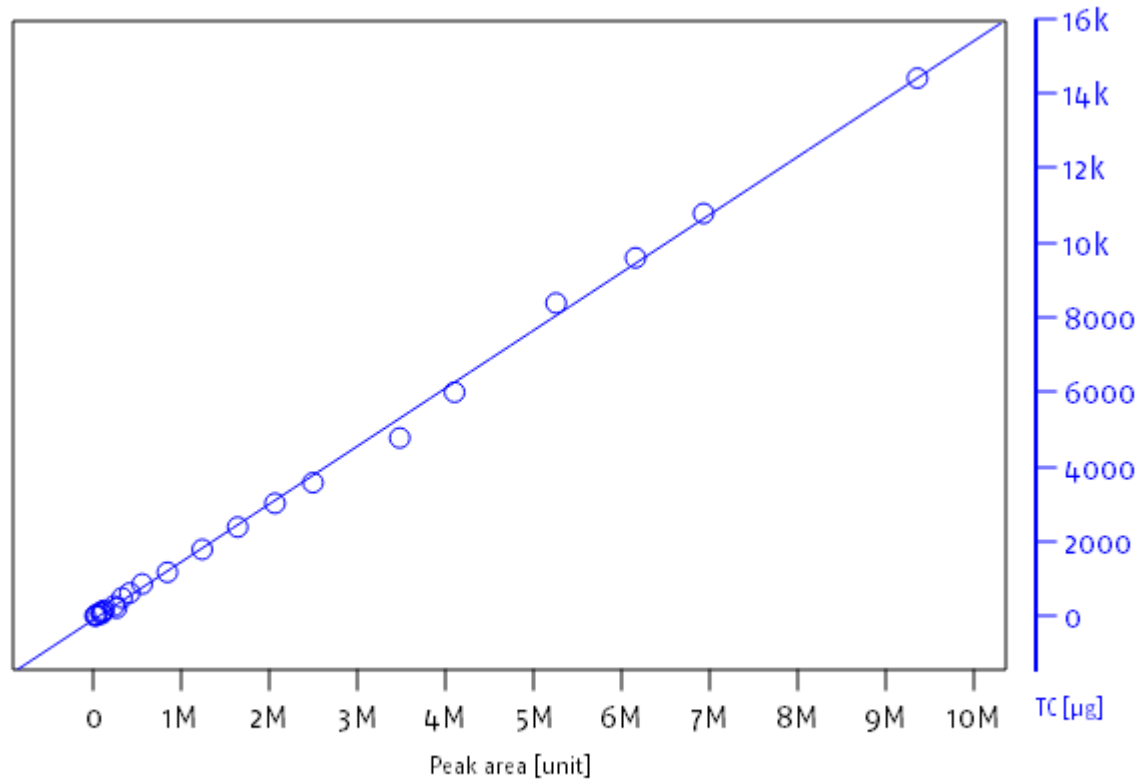
elementar
EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: --.--.-- (modified)

Calibration parameters TC, Whole range

a	-4.107546e-02
b	+1.548032e-06
c	+0.000000e+00
d	+0.000000e+00
e	+0.000000e+00
r	0.998372
r_old	0.998372
Proc.-SD	166.070255 µg

Calibration graph TC, Whole range



INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Sequence: SKD0371
Date Analyzed: 04/27/22 02:33

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKD0371-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: TOC Cube
Sequence: SKL0152

SDG: 22L0137
Project: AOC4 UR Phase 3
Calibration: FD00070
Date Analyzed: 12/12/22 11:15

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0152-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB5	Total Organic Carbon	0.003	0.02	0.02	%	
SKL0152-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB8	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCB9	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBA	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBB	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBC	Total Organic Carbon	0.002	0.02	0.02	%	
SKL0152-CCBD	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBE	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBF	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0152-CCBG	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: TOC Cube
Sequence: SKL0217

SDG: 22L0137
Project: AOC4 UR Phase 3
Calibration: FD00070
Date Analyzed: 12/16/22 13:43

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0217-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB8	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCB9	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBA	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBB	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBC	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBD	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBE	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBF	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBG	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0217-CCBH	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: TOC Cube
Sequence: SKL0336

SDG: 22L0137
Project: AOC4 UR Phase 3
Calibration: FD00070
Date Analyzed: 01/01/23 06:00

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0336-CCBE	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBF	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBG	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB8	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB9	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBA	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBB	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBC	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBD	Total Organic Carbon	0.00	0.02	0.02	%	

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Control Limt: +/- 10.00%
Sequence: SKD0371

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKD0371-ICV1	Total Organic Carbon	44.446	43.7	98.3	%	EPA 9060A m
	Total Carbon	44.446	44.1	99.2	%	EPA 9060A m
	Total Inorganic Carbon	0.0000	0.40		%	EPA 9060A m
	% Soot	0.0000	0.004		%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Control Limt: +/- 10.00%
Sequence: SKL0152

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0152-ICV1	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0152-CCV1	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKL0152-CCV2	Total Organic Carbon	44.446	44.6	100	%	EPA 9060A m
SKL0152-CCV3	Total Organic Carbon	44.446	44.1	99.1	%	EPA 9060A m
SKL0152-CCV4	Total Organic Carbon	44.446	43.0	96.8	%	EPA 9060A m
SKL0152-CCV5	Total Organic Carbon	44.446	43.0	96.7	%	EPA 9060A m
SKL0152-CCV6	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKL0152-CCV7	Total Organic Carbon	44.446	43.1	97.1	%	EPA 9060A m
SKL0152-CCV8	Total Organic Carbon	44.446	45.2	102	%	EPA 9060A m
SKL0152-CCV9	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0152-CCVA	Total Organic Carbon	44.446	44.9	101	%	EPA 9060A m
SKL0152-CCVB	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKL0152-CCVC	Total Organic Carbon	44.446	45.1	101	%	EPA 9060A m
SKL0152-CCVD	Total Organic Carbon	44.446	44.0	99.0	%	EPA 9060A m
SKL0152-CCVE	Total Organic Carbon	44.446	45.4	102	%	EPA 9060A m
SKL0152-CCVF	Total Organic Carbon	44.446	45.6	103	%	EPA 9060A m
SKL0152-CCVG	Total Organic Carbon	44.446	45.1	101	%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Control Limt: +/- 10.00%
Sequence: SKL0217

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0217-ICV1	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKL0217-CCV1	Total Organic Carbon	44.446	44.9	101	%	EPA 9060A m
SKL0217-CCV2	Total Organic Carbon	44.446	43.8	98.6	%	EPA 9060A m
SKL0217-CCV3	Total Organic Carbon	44.446	44.2	99.5	%	EPA 9060A m
SKL0217-CCV4	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0217-CCV5	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKL0217-CCV6	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKL0217-CCV7	Total Organic Carbon	44.446	43.4	97.6	%	EPA 9060A m
SKL0217-CCV8	Total Organic Carbon	44.446	45.1	102	%	EPA 9060A m
SKL0217-CCV9	Total Organic Carbon	44.446	45.3	102	%	EPA 9060A m
SKL0217-CCVA	Total Organic Carbon	44.446	44.7	101	%	EPA 9060A m
SKL0217-CCVB	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m
SKL0217-CCVC	Total Organic Carbon	44.446	44.0	98.9	%	EPA 9060A m
SKL0217-CCVD	Total Organic Carbon	44.446	44.1	99.1	%	EPA 9060A m
SKL0217-CCVE	Total Organic Carbon	44.446	43.7	98.3	%	EPA 9060A m
SKL0217-CCVF	Total Organic Carbon	44.446	45.1	102	%	EPA 9060A m
SKL0217-CCVG	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m
SKL0217-CCVH	Total Organic Carbon	44.446	43.9	98.7	%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Control Limt: +/- 10.00%
Sequence: SKL0336

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0336-CCVE	Total Organic Carbon	44.446	43.3	97.5	%	EPA 9060A m
SKL0336-CCVF	Total Organic Carbon	44.446	43.9	98.8	%	EPA 9060A m
SKL0336-CCVG	Total Organic Carbon	44.446	44.1	99.2	%	EPA 9060A m
SKL0336-ICV1	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKL0336-CCV1	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKL0336-CCV2	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKL0336-CCV3	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKL0336-CCV4	Total Organic Carbon	44.446	45.5	102	%	EPA 9060A m
SKL0336-CCV5	Total Organic Carbon	44.446	45.3	102	%	EPA 9060A m
SKL0336-CCV6	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0336-CCV7	Total Organic Carbon	44.446	46.1	104	%	EPA 9060A m
SKL0336-CCV8	Total Organic Carbon	44.446	43.8	98.5	%	EPA 9060A m
SKL0336-CCV9	Total Organic Carbon	44.446	44.4	99.9	%	EPA 9060A m
SKL0336-CCVA	Total Organic Carbon	44.446	44.7	100	%	EPA 9060A m
SKL0336-CCVB	Total Organic Carbon	44.446	44.3	99.6	%	EPA 9060A m
SKL0336-CCVC	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m
SKL0336-CCVD	Total Organic Carbon	44.446	44.3	99.8	%	EPA 9060A m

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0299-SRM1
Batch: BKL0299
Initial/Final: 0.3121 g / 0.3121 g
Preparation: Plumb 1981
Analyzed: 12/15/2022 1:32
Standard ID: K003456
Expires: 12/12/2079
Standard Lot#: NA
Description: 1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	2.97	0.02	0.02		99.5	80 - 120

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0300-SRM1
Batch: BKL0300
Initial/Final: 0.2999 g / 0.2999 g
Preparation: Plumb 1981
Analyzed: 12/15/2022 19:16
Standard ID: K003456
Expires: 12/12/2079
Standard Lot#: NA
Description: 1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	2.97	0.02	0.02		99.3	80 - 120

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0385-SRM1
Batch: BKL0385
Initial/Final: 0.3046 g / 0.3046 g
Preparation: Plumb 1981
Analyzed: 12/16/2022 15:44
Standard ID: K003456
Expires: 12/12/2079
Standard Lot#: NA
Description: 1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	3.02	0.02	0.02		101	80 - 120

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0386-SRM1
Batch: BKL0386
Initial/Final: 0.3096 g / 0.3096 g
Preparation: Plumb 1981
Analyzed: 12/17/2022 6:59
Standard ID: K003456
Expires: 12/12/2079
Standard Lot#: NA
Description: 1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	2.99	0.02	0.02		100	80 - 120

* Values outside of QC limits

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT817 22L0137-01	12/05/22 12:55	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 06:36			
LDW22-IT816 22L0137-02	12/05/22 12:22	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 07:07			
LDW22-IT815 22L0137-03	12/05/22 12:42	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 07:37			
LDW22-SC813 22L0137-04	12/05/22 13:45	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 08:07			
LDW22-SC784B 22L0137-05	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 08:38			
LDW22-SC784B-FD 22L0137-06	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 09:08			
LDW22-SC784C 22L0137-07	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 09:39			
LDW22-SC784D 22L0137-08	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 12:41			
LDW22-SC784E 22L0137-09	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 13:11			
LDW22-SC784F 22L0137-10	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 13:41			
LDW22-SC784G 22L0137-11	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 14:11			
LDW22-SC784H 22L0137-12	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 14:42			
LDW22-SC784I 22L0137-13	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 15:12			
LDW22-SC784J 22L0137-14	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 15:42			
LDW22-SC784K 22L0137-15	12/05/22 12:20	12/06/22 16:50	12/13/22 08:20	7	14	12/15/22 16:13			
LDW22-SC784L 22L0137-16	12/05/22 12:20	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 19:46			
LDW22-SC784M 22L0137-17RE1	12/05/22 12:20	12/06/22 16:50	12/14/22 08:25	8	14	12/30/22 09:14			
LDW22-SC785A 22L0137-18	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 21:48			
LDW22-SC785B 22L0137-19	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 22:18			
LDW22-SC785C 22L0137-20	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 22:49			
LDW22-SC785D 22L0137-21	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 23:19			
LDW22-SC785E 22L0137-22	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 00:51			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC785F 22L0137-23	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 01:21			
LDW22-SC785G 22L0137-24	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 01:52			
LDW22-SC785H 22L0137-25	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 02:22			
LDW22-SC785I 22L0137-26	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 02:53			
LDW22-SC785J 22L0137-27	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 03:23			
LDW22-SC785K 22L0137-28	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 03:53			
LDW22-SC785L 22L0137-29	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 04:23			
LDW22-SC785M 22L0137-30	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 04:53			
LDW22-SC785N 22L0137-31	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 05:24			
LDW22-SC785A-FD 22L0137-32	12/05/22 13:54	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 06:55			
LDW22-SC776A 22L0137-33	12/06/22 07:49	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 07:25			
LDW22-SC776B 22L0137-34	12/06/22 07:49	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 07:55			
LDW22-SC776C 22L0137-35	12/06/22 07:49	12/06/22 16:50	12/14/22 08:25	8	14	12/16/22 08:25			
LDW22-SC776D 22L0137-36	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 16:14			
LDW22-SC776E 22L0137-37	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 17:46			
LDW22-SC776E-FD 22L0137-38	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 18:16			
LDW22-SC776F 22L0137-39	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 18:47			
LDW22-SC776G 22L0137-40	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 20:18			
LDW22-SC776H 22L0137-41	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 20:48			
LDW22-SC776I 22L0137-42	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 21:19			
LDW22-SC776J 22L0137-43	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 21:49			
LDW22-SC776K 22L0137-44	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 22:20			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC776L 22L0137-45	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 22:50			
LDW22-SC776M 22L0137-46	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 23:21			
LDW22-SC770A 22L0137-47	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 23:51			
LDW22-SC770B 22L0137-48	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 00:22			
LDW22-SC770C 22L0137-49	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 00:52			
LDW22-SC770D 22L0137-50	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 02:24			
LDW22-SC770E 22L0137-51	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 02:55			
LDW22-SC770F 22L0137-52	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 03:25			
LDW22-SC770G 22L0137-53	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 03:56			
LDW22-SC770H 22L0137-54	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 04:27			
LDW22-SC770I 22L0137-55	12/06/22 09:04	12/06/22 16:50	12/15/22 10:50	9	14	12/17/22 04:57			
LDW22-SC770J 22L0137-56	12/06/22 09:04	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 08:31			
LDW22-SC770K 22L0137-57	12/06/22 09:04	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 10:03			
LDW22-SC770L 22L0137-58	12/06/22 09:04	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 10:34			
LDW22-SC769A 22L0137-59	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 11:04			
LDW22-SC769B 22L0137-60	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 11:35			
LDW22-SC769C 22L0137-61	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 14:39			
LDW22-SC769D 22L0137-62	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 15:09			
LDW22-SC769E 22L0137-63	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 15:40			
LDW22-SC769F 22L0137-64	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 16:10			
LDW22-SC769G 22L0137-65	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 16:41			
LDW22-SC769H 22L0137-66	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 17:11			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC769I 22L0137-67	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 17:42			
LDW22-SC769J 22L0137-68	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 18:12			
LDW22-SC769K 22L0137-69	12/06/22 10:03	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 18:43			
Duplicate BKL0300-DUP1	12/05/22 12:20	12/06/22 16:50	12/14/22 08:25	8	14	12/15/22 20:17			
Matrix Spike BKL0300-MS2	12/05/22 12:20	12/06/22 16:50	12/14/22 08:25	8	14	12/30/22 12:48			
Duplicate BKL0385-DUP1	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/16/22 16:45			
Matrix Spike BKL0385-MS2	12/06/22 07:49	12/06/22 16:50	12/15/22 10:50	9	14	12/30/22 12:17			
Duplicate BKL0386-DUP1	12/06/22 09:04	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 09:02			
Matrix Spike BKL0386-MS1	12/06/22 09:04	12/06/22 16:50	12/15/22 12:00	9	14	12/17/22 09:32			

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Instrument: TOC Cube

Analyte	MDL	RL	Units
Total Organic Carbon	0.02	0.02	%

National Institute of Standards & Technology

Certificate of Analysis

Standard Reference Material® 1941b

Organics in Marine Sediment

This Standard Reference Material (SRM) is marine sediment collected at the mouth of the Baltimore (MD) Harbor. SRM 1941b is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and chlorinated pesticides in marine sediment and similar matrices. Information values are also provided for total organic carbon (TOC), total carbon, hydrogen, and nitrogen. All of the constituents for which certified, reference, and information values are provided in SRM 1941b were naturally present in the sediment before processing. A unit of SRM 1941b consists of a bottle containing 50 g of radiation-sterilized, freeze-dried sediment.

Certified Mass Fraction Values: Certified mass fraction values for PAHs, PCB congeners, and chlorinated pesticides are provided in Table 1 through Table 3. The certified values for the PAHs, PCB congeners, and chlorinated pesticides are based on the agreement of results obtained at NIST from two or more chemically independent analytical techniques along with results from an interlaboratory comparison study [1]. A NIST certified value is a value for which NIST has the highest confidence in its accuracy in that all known or suspected sources of bias have been investigated or taken into account [1].

Reference Mass Fraction Values: Reference mass fraction values for additional PAHs (some in combination), additional PCB congeners, and additional chlorinated pesticides are provided in Table 4 through Table 7. Reference values for alkylated PAH groups are provided in Table 8 and for selected hopanes and steranes in Table 9. A reference value for total organic carbon is provided in Table 10. Reference values are noncertified values that are the best estimate of the true value; however, the values do not meet the NIST criteria for certification and are provided with associated uncertainties that may reflect only measurement precision, may not include all sources of uncertainty, or may reflect a lack of sufficient statistical agreement among multiple analytical methods [1].

Information Mass Fraction Values: Information mass fraction values are provided in Table 11 for carbon, hydrogen, and nitrogen. An information value is considered to be a value that will be of use to the SRM user, but insufficient information is available to assess the uncertainty associated with the value [1]. Information values cannot be used to establish metrological traceability.

Expiration of Certification: The certification of **SRM 1941b** is valid, within the measurement uncertainty specified, until **01 October 2020**, provided the SRM is handled and stored in accordance with the instructions given in this certificate (see "Instructions for Handling, Storage, and Use"). This certification is nullified if the SRM is damaged, contaminated, or otherwise modified.

Maintenance of SRM Certification: NIST will monitor this SRM over the period of its certification. If substantive technical changes occur that affect the certification before the expiration of this certificate, NIST will notify the purchaser. Registration (see attached sheet or register online) will facilitate notification.

Coordination of the technical measurements leading to the certification of this material was under the leadership of M.M. Schantz and S.A. Wise of the NIST Chemical Sciences Division.

Analytical measurements for the certification of SRM 1941b were performed at NIST by J.R. Kucklick, B.J. Porter, D.L. Poster, M.M. Schantz, P. Schubert, S. Tutschku, and L.L. Yu of the NIST Chemical Sciences Division.

Carlos A. Gonzalez, Chief
Chemical Sciences Division

Gaithersburg, MD 20899
Certificate Issue Date: 16 January 2015

Robert L. Watters, Jr., Director
Office of Reference Materials

Measurements for TOC were provided by a commercial laboratory and T.L. Wade of the Geochemical and Environmental Research Group, Texas A&M University (College Station, TX). The carbon, hydrogen, and nitrogen data were provided by a commercial laboratory. Results for the PAHs, PCBs, and chlorinated pesticides from 38 laboratories (see Appendix A) that participated in an interlaboratory comparison exercise coordinated by NIST were used. Results for the alkylated PAH groups, hopanes, and steranes from 33 laboratories (see Appendix B) that participated in another interlaboratory comparison exercise coordinated by NIST were also used.

Collection and preparation of SRM 1941b were performed by M.P. Cronise and C.N. Fales of the NIST Office of Reference Materials and B.J. Porter and M.M. Schantz of the NIST Chemical Sciences Division. The sediment material was collected with the assistance of G.G. Lauenstein, J. Collier, and J. Lewis (National Oceanic and Atmospheric Administration, Silver Spring, MD).

Consultation on the statistical design of the experimental work and evaluation of the data were provided by S.D. Leigh and J.H. Yen of the NIST Statistical Engineering Division.

Support aspects involved in the issuance of this SRM were coordinated through the NIST Office of Reference Materials.

INSTRUCTIONS FOR HANDLING, STORAGE, AND USE

Handling: This material is naturally occurring marine sediment from an urban area and may contain constituents of unknown toxicities; therefore, caution and care should be exercised during its handling and use.

Storage: SRM 1941b must be stored in its original bottle at temperatures less than 30 °C and away from direct sunlight.

Use: Prior to removal of subsamples for analysis, the contents of the bottle should be mixed. The mass fractions of constituents in SRM 1941b are reported on a dry-mass basis. The SRM, as received, contains a mass fraction of approximately 2.4 % moisture (see "Conversion to Dry-Mass Basis"). The sediment sample should be dried to a constant mass before weighing for analysis; or a separate subsample of the sediment should be removed from the bottle at the time of analysis and dried to determine the mass fraction on a dry-mass basis. If the constituents of interest are volatile, then the moisture must be determined with a separate subsample.

PREPARATION AND ANALYSIS[1]

Sample Collection and Preparation: The sediment used to prepare this SRM was collected from the Chesapeake Bay at the mouth of the Baltimore (MD) Harbor near the Francis Scott Key Bridge (39°12.3'N and 76°31.4'W). This location is very near the site where SRM 1941 and SRM 1941a were collected. The sediment was collected using a Kynar-coated modified Van Veen-type grab sampler. A total of approximately 3300 kg of wet sediment was collected from the site. The sediment was freeze-dried, sieved at 150 μm (100 % passing), homogenized in a cone blender, radiation sterilized (^{60}Co), and then packaged in screw-capped amber glass bottles each containing approximately 50 g.

Conversion to Dry-Mass Basis: The results for the constituents in SRM 1941b are reported on a dry-mass basis; however, the material "as received" contains residual moisture. The amount of moisture in SRM 1941b was determined by measuring the mass loss after freeze-drying subsamples of 1.1 g to 1.3 g for four days at 1 Pa with a –10 °C shelf temperature and a –50 °C condenser temperature. The moisture content in SRM 1941b at the time of the certification analyses was 2.39 % ± 0.08 % (95 % confidence level). Analytical results for the organic constituents were determined on an as-received basis and then converted to a dry-mass basis by dividing by the conversion factor of 0.9761 (gram dry mass per gram as-received mass).

Polycyclic Aromatic Hydrocarbons: The general approach used for the value assignment of the PAHs in SRM 1941b was similar to that reported in detail elsewhere [2]. The approach consisted of combining results from analyses using various combinations of different extraction techniques and solvents, clean-up/isolation procedures, and chromatographic separation and detection techniques: Soxhlet extraction and pressurized-fluid extraction (PFE) using dichloromethane (DCM) or a hexane/acetone mixture, cleanup of the extracts using solid-phase extraction (SPE) or normal-phase liquid chromatography (LC), followed by analysis using the following techniques: (1) reversed-phase liquid chromatography with fluorescence detection (LC-FL) analysis of the total PAH fraction, (2) reversed-phase

[1] Certain commercial equipment, instruments or materials are identified in this certificate to adequately specify the experimental procedure. Such identification does not imply recommendation or endorsement by the National Institute of Standards

LC-FL analysis of isomeric PAH fractions isolated by normal-phase LC (i.e., multidimensional LC), (3) gas chromatography/mass spectrometry (GC/MS) analysis of the PAH fraction on three stationary phases of different selectivity, i.e., a 5 % (all column compositions are given as mole fractions in %) phenyl-substituted methylpolysiloxane phase, a 50 % phenyl-substituted methylpolysiloxane phase, and a relatively non-polar proprietary phase.

Three sets of GC/MS results, designated as GC/MS (I), GC/MS (II), and GC/MS (III), were obtained using three columns with different selectivities for the separation of PAHs. For GC/MS (I) analyses, duplicate subsamples of approximately 1 g from ten bottles of SRM 1941b were extracted using PFE with DCM. Copper powder was added to the extract to remove elemental sulfur. The concentrated extract was passed through an aminopropyl SPE cartridge and eluted with 2 % DCM in hexane (all solvent concentrations are given as volume fractions in %). The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 μm film thickness; DB-5 MS, J&W Scientific, Folsom, CA). The GC/MS (II) analyses were performed using 5 g subsamples from six bottles of SRM 1941b. These samples were extracted using PFE with DCM. The high molecular mass compounds were removed from the extracts using size exclusion chromatography (SEC) with a preparative-scale divinylbenzene-polystyrene column (10 μm particle size with 10 nm diameter pores), and the sulfur was removed from the extracts by adding copper powder. The concentrated extract was passed through an aminopropyl SPE cartridge and eluted with 10 % DCM in hexane. The analysis was by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 50 % phenyl-substituted methylpolysiloxane phase (0.25 μm film thickness; DB-17 MS, J&W Scientific). For the GC/MS (III), 9 g subsamples from six bottles of SRM 1941b were Soxhlet-extracted for 18 h with 250 mL of a mixture of 50 % hexane/50 % acetone. Copper powder was added to the extract to remove elemental sulfur, and the concentrated extract was passed through a silica SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a relatively non-polar proprietary phase (0.25 μm film thickness; DB-XLB, J&W Scientific).

Two sets of LC-FL results, designated as LC-FL (total) and LC-FL (isomer), were used in the certification process. For the LC-FL (total), subsamples of approximately 1 g from six bottles of SRM 1941b were extracted using PFE with a mixture of 50 % hexane/50 % acetone. The extracts were concentrated and then processed through an aminopropylsilane SPE cartridge using 2 % DCM in hexane to obtain the total PAH fraction. For the LC-FL (isomer), a 5 g subsample from the six bottles was extracted using PFE with DCM and processed through an aminopropylsilane SPE cartridge using 10 % DCM in hexane; the PAH fraction was then fractionated further on a semi-preparative aminopropylsilane column (μBondapak NH_2, 9 mm i.d. × 30 cm, Waters Associates, Milford, MA) to isolate isomeric PAH fractions as described previously [3–6]. The total PAH fraction and the isomeric PAH fractions were analyzed using a 5 μm particle-size polymeric octadecylsilane (C_{18}) column (4.6 mm i.d. × 25 cm, Hypersil-PAH, Keystone Scientific, Inc., Bellefonte, PA) with wavelength-programmed fluorescence detection [4,5].

For the GC/MS and LC-FL measurements described above, selected perdeuterated PAHs were added to the sediment prior to solvent extraction for use as internal standards for quantification purposes.

In addition to the analyses performed at NIST, SRM 1941b was used in an interlaboratory comparison exercise in 1999 as part of the NIST Intercomparison Exercise Program for Organic Contaminants in the Marine Environment [7]. Results from 38 laboratories that participated in this exercise were used as the sixth data set in the determination of the certified values for PAHs in SRM 1941b. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest.

Homogeneity Assessment for PAHs: The homogeneity of SRM 1941b was assessed by analyzing duplicate samples of approximately 1 g from ten bottles selected by stratified random sampling. Samples were extracted, processed, and analyzed as described above for GC/MS (I). No statistically significant differences among bottles were observed for the PAHs at this sample size.

PAH Isomers of Molecular Mass 300 and 302: For the determination of the molecular mass 300 and 302 isomers, three subsamples of approximately 5 g each were extracted using PFE with DCM. The extracts were then concentrated with a solvent change to hexane and passed through an aminopropyl SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 50 % phenyl-substituted methylpolysiloxane phase (0.25 μm film thickness; DB-17MS, J&W Scientific). Perdeuterated dibenzo[*a,i*]pyrene was added to the sediment prior to extraction for use as an internal standard [8].

PCBs and Chlorinated Pesticides: The general approach used for the determination of PCBs and chlorinated pesticides in SRM 1941b consisted of combining results from analyses using various combinations of different extraction techniques and solvents, cleanup/isolation procedures, and chromatographic separation and detection techniques. Techniques and solvents included Soxhlet extraction and PFE using DCM or a hexane/acetone mixture.

clean-up/isolation using SPE or LC, followed by analysis using GC/MS and gas chromatography with electron capture detection (GC-ECD) on two columns with different selectivity for the separation of PCBs and chlorinated pesticides. The analytical methods are described in detail elsewhere [2].

Six sets of results were obtained and designated as GC-ECD (I) A and B, GC/MS (I) A and B, GC/MS (II), and Interlaboratory Comparison Exercise. For the GC-ECD (I) analyses, approximately 10 g subsamples from six bottles of SRM 1941b were extracted using PFE with DCM. Copper powder was added to the extract to remove elemental sulfur, and SEC, as described above, was used to remove the high molecular mass compounds. The concentrated extract was then fractionated on a semi-preparative aminopropylsilane column to isolate two fractions containing: (1) the PCBs and lower-polarity pesticides and (2) the more polar pesticides. GC-ECD analyses of the two fractions were performed on two columns of different selectivities for PCB separations: 0.25 mm × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 μm film thickness; DB-5, J&W Scientific), and a 0.25 mm × 60 m fused silica capillary column with a non-polar proprietary phase (0.25 μm film thickness; DB-XLB, J&W Scientific). The results from the 5 % phenyl phase are designated as GC-ECD (IA) and the results from the proprietary phase are designated as GC-ECD (IB). For the GC-ECD analyses, two PCB congeners that are not significantly present in the sediment extract (PCB 103 and PCB 198 [9,10]) and endosulfan I-d_4, 4,4'-DDE-d_8, 4,4'-DD-d_8, and 4,4'-DDT-d_8 were added to the sediment prior to extraction for use as internal standards for quantification purposes.

Two sets of results were obtained by GC/MS. For GC/MS (I), approximately 9 g subsamples from six bottles were Soxhlet- extracted with a mixture of 50 % hexane/50 % acetone for approximately 18 h. Copper powder was added to the extract to remove elemental sulfur, and the concentrated extract was passed through a silica SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS with two ionization modes, electron impact (EI) and negative ion chemical ionization (NICI). The GC/MS EI method, GC/MS (IA), used a 0.25 mm i.d. × 60 m fused silica capillary column with a relatively non-polar proprietary phase (0.25 μm film thickness; DB-XLB, J&W Scientific). The GC/MS NICI method, GC/MS (IB), used a 0.25 mm i.d. × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 μm film thickness; DB-5MS, J&W Scientific). The GC/MS (II) results were obtained in the same manner as the GC/MS (IA) analyses except that three subsamples were Soxhlet-extracted with DCM for approximately 18 h. For the GC/MS analyses, selected carbon-13 labeled PCB congeners and chlorinated pesticides were added to the sediment prior to extraction for use as internal standards for quantification purposes.

In addition to the analyses performed at NIST, SRM 1941b was used in an interlaboratory comparison exercise in 1999 as part of the NIST Intercomparison Exercise Program for Organic Contaminants in the Marine Environment [7]. Results from 38 laboratories that participated in this exercise were used as the sixth data set in the determination of the certified values for PCB congeners and chlorinated pesticides in SRM 1941b. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest.

The reference value for PCB 77 was determined from a separate fraction. The samples were extracted and processed as for GC-ECD (I) above. The first (PCB and lower-polarity pesticide) fraction from the semi-preparative aminopropylsilane column was further fractionated using a Cosmosil PYE (pyrenylethyl group bonded) column (5 μm particle size, 4.6 mm i.d. × 25 cm ; Phenomenex, Torrance, CA) [11]. Three fractions were collected: the first fraction contained the pesticides and multi-*ortho* PCBs, the second fraction contained the polychlorinated naphthalenes, non-*ortho* PCB congeners, and some mono-*ortho* PCB congeners, and the third fraction removed the residual planar compounds from the column. The second fraction was analyzed by GC/MS NICI using the same column as GC/MS (IB) above. Carbon-13 labeled PCB 77 was used as an internal standard for quantification purposes.

Alkylated PAH Groups, Hopanes, and Steranes: SRM 1941b was used in an interlaboratory comparison exercise in 2011 [12]. Results from 33 laboratories that participated in this exercise were used in the determination of the reference values for alkylated PAH groups, hopanes, and steranes in SRM 1941b. Note that not all laboratories returned data for each analyte. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest. For the alkylated PAHs, the majority of the laboratories (>90 %) used the parent PAH for determination of the response factor for the corresponding alkylated group.

Total Organic Carbon (TOC): Two laboratories provided results for TOC using similar procedures. Briefly, subsamples of approximately 200 mg were reacted with 6 mol/L hydrochloric acid and rinsed with deionized water prior to combustion in a gas fusion furnace. The carbon monoxide and carbon dioxide produced were measured and compared to a blank for calculation of the percent TOC. Each laboratory analyzed subsamples from three bottles of SRM 1941b. One of the laboratories also analyzed three subsamples from three bottles of SRM 1941b for carbon, hydrogen, and nitrogen.

Table 1. Certified Mass Fraction Values for PAHs in SRM 1941b

PAHs	Mass Fractions[a] (µg/kg)		
Naphthalene[b,c,d,e,f,g]	848	±	95[h]
Fluorene[b,c,d,e,f,g]	85	±	15[h]
Phenanthrene[b,c,d,e,f,g]	406	±	44[h]
Anthracene[b,c,d,e,f,g]	184	±	18[h]
3-Methylphenanthrene[b,c,d]	105	±	13[h]
2-Methylphenathrene[b,c,d]	128	±	14[h]
1-Methylphenanthrene[b,c,d,g]	73.2	±	5.9[h]
Fluoranthene[b,c,d,e,f,g]	651	±	50[h]
Pyrene[b,c,d,e,f,g]	581	±	39[h]
Benz[*a*]anthracene[b,c,d,e,f,g]	335	±	25[h]
Chrysene[d,f]	291	±	31[h]
Triphenylene[d,f]	108	±	5[i]
Benzo[*b*]fluoranthene[c,e]	453	±	21[h]
Benzo[*k*]fluoranthene[b,c,d,e]	225	±	18[h]
Benzo[*e*]pyrene[b,c,d,g]	325	±	25[h]
Benzo[*a*]pyrene[b,c,d,f,g]	358	±	17[h]
Perylene[b,c,d,f,g]	397	±	45[h]
Benzo[*ghi*]perylene[b,c,d,f,g]	307	±	45[h]
Indeno[1,2,3-*cd*]pyrene[b,c,d,f,g]	341	±	57[h]
Dibenz[*a,j*]anthracene[b,c,d,f]	48.9	±	4.6[h]
Dibenz[*a,c*]anthracene[c,f]	36.7	±	5.2[h]
Dibenz[*a,h*]anthracene[c,f]	53	±	10[h]
Benzo[*b*]chrysene[b,c,d,f]	53	±	12[h]
Picene[b,c,d]	46.6	±	4.7[h]

[a] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.
[b] GC/MS (I) on 5 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.
[c] GC/MS (II) on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.
[d] GC/MS (III) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.
[e] LC-FL (total) of total PAH fraction after PFE with DCM.
[f] LC-FL (isomer) of isomeric PAH fractions after PFE with DCM.
[g] 1999 Interlaboratory Comparison Study [7] with 21 to 29 laboratories submitting data for each PAH.
[h] Certified values are weighted means of the results from two to six analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.
[i] The certified value is an unweighted mean of the results from two analytical methods. The uncertainty listed with the value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the value is metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 2. Certified Mass Fraction Values for PCB Congeners[a] in SRM 1941b

PCB Congeners			Mass Fractions[b] (µg/kg)		
PCB	8	(2,4'-Dichlorobiphenyl)[c,d,e,f,g]	1.65	±	0.19[h]
PCB	18	(2,2',5-Trichlorobiphenyl)[c,d,e,f,g]	2.39	±	0.29[h]
PCB	28	(2,4,4'-Trichlorobiphenyl)[c,d,e,f,g]	4.52	±	0.57[h]
PCB	31	(2,4',5-Trichlorobiphenyl)[c,e,f]	3.18	±	0.41[h]
PCB	44	(2,2'3,5'-Tetrachlorobiphenyl)[c,d,e,f,g]	3.85	±	0.20[i]
PCB	49	(2,2'4,5'-Tetrachlorobiphenyl)[c,d,e,f]	4.34	±	0.28[i]
PCB	52	(2,2',5,5'-Tetrachlorobiphenyl)[c,d,e,f,g]	5.24	±	0.28[i]
PCB	66	(2,3',4,4'-Tetrachlorobiphenyl)[c,e,f,g,j]	4.96	±	0.53[i]
PCB	87	(2,2',3,4,5'-Pentachlorobiphenyl)[c,d,f,j]	1.14	±	0.16[h]
PCB	95	(2,2',3,5',6-Pentachlorobiphenyl)[c,e,f,g]	3.93	±	0.62[i]
PCB	99	(2,2',4,4',5-Pentachlorobiphenyl)[c,d,e,f,g]	2.90	±	0.36[i]
PCB	101	(2,2',4,5,5'-Pentachlorobiphenyl)[c,e,f,g,j]	5.11	±	0.34[i]
PCB	105	(2,3,3',4,4'-Pentachlorobiphenyl)[c,d,e,f,g,j]	1.43	±	0.10[i]
PCB	110	(2,3,3',4',6-Pentachlorobiphenyl)[c,e,f,j]	4.62	±	0.36[i]
PCB	118	(2,3',4,4',5-Pentachlorobiphenyl)[c,d,e,f,g,j]	4.23	±	0.19[i]
PCB	128	(2,2',3,3',4,4'-Hexachlorobiphenyl)[c,d,e,f,g,j]	0.696	±	0.044[i]
PCB	138	(2,2',3,4,4',5'-Hexachlorobiphenyl)[c,e,f,j]	3.60	±	0.28[i]
PCB	149	(2,2',3,4',5',6-Hexachlorobiphenyl)[c,d,e,j]	4.35	±	0.26[h]
PCB	153	(2,2',4,4',5,5'-Hexachlorobiphenyl)[c,d,e,f,g,j]	5.47	±	0.32[i]
PCB	156	(2,3,3',4,4',5-Hexachlorobiphenyl)[c,d,e,f,j]	0.507	±	0.090[h]
PCB	170	(2,2',3,3',4,4',5-Heptachlorobiphenyl)[c,d,e,f,g,j]	1.35	±	0.09[i]
PCB	180	(2,2',3,4,4',5,5'-Heptachlorobiphenyl)[c,d,e,f,g,j]	3.24	±	0.51[i]
PCB	183	(2,2',3,4,4',5',6-Heptachlorobiphenyl)[c,d,e,j]	0.979	±	0.087[h]
PCB	187	(2,2',3,4',5,5',6-Heptachlorobiphenyl)[c,d,e,f,g,j]	2.17	±	0.22[i]
PCB	194	(2,2',3,3',4,4',5,5'-Octachlorobiphenyl)[c,d,e,j]	1.04	±	0.06[h]
PCB	195	(2,2',3,3',4,4',5,6-Octachlorbiphenyl)[c,e,g,j]	0.645	±	0.060[i]
PCB	201	(2,2',3,3',4,5',6,6'-Octachlorobiphenyl)[c,e,j]	0.777	±	0.034[h]
PCB	206	(2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)[c,e,f,g,j]	2.42	±	0.19[i]
PCB	209	Decachlorobiphenyl[c,d,e,f,g,j]	4.86	±	0.45[i]

[a] PCB congeners are numbered according to the scheme proposed by Ballschmiter and Zell [9] and later revised by Schulte and Malisch [10] to conform to IUPAC rules, except PCB 201. Under the Ballschmiter and Zell numbering system, the IUPAC PCB 201 is listed as PCB 200.

[b] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

[c] GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

[d] GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.

[e] GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).

[f] GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.

[g] 1999 Interlaboratory Comparison Study [7] with 13 to 31 laboratories submitting data for each PCB congener.

[h] Certified values are unweighted means of the results from three to five analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

[i] Certified values are weighted means of the results from three to six analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

[j] GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

Table 3. Certified Mass Fraction Values for Chlorinated Pesticides in SRM 1941b

Chlorinated Pesticides	Mass Fractions[a] (µg/kg)
Hexachlorobenzene[b,c,d,e]	5.83 ± 0.38[f]
cis-Chlordane[b,c,d,e,g]	0.85 ± 0.11[h]
trans-Chlordane[b,c,e]	0.566 ± 0.093[f]
cis-Nonachlor[b,e,g]	0.378 ± 0.053[h]
trans-Nonachlor[b,c,d,e,g]	0.438 ± 0.073[f]
4,4'-DDE[b,d,e,g]	3.22 ± 0.28[h]
4,4'-DDD[b,d,e,g]	4.66 ± 0.46[h]

[a] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.
[b] GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.
[c] GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).
[d] GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.
[e] 1999 Interlaboratory Comparison Study [7] with 13 to 31 laboratories submitting data for each pesticide.
[f] Certified values are unweighted means of the results from three to five analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.
[g] GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.
[h] Certified values are weighted means of the results from three to five analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the chlorinated pesticides listed and the values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 4. Reference Mass Fraction Values for PAHs in SRM 1941b

PAHs	Mass Fractions[a] (µg/kg)		
1-Methylnaphthalene[b,c,d,e]	127	±	14[f]
2-Methylnaphthalene[b,c,d,e]	276	±	53[f]
2,6-Dimethylnaphthalene[b,c,d,e]	75.9	±	4.5[f]
2,3,5-Trimethylnaphthalene[b,c,d,e]	25.5	±	5.1[f]
Biphenyl[b,c,d,e]	74.0	±	8.0[f]
Acenaphthylene[b,c,d,e]	53.3	±	6.4[f]
Acenaphthene[b,c,d,e]	38.4	±	5.2[f]
9-Methylphenanthrene[c]	63.5	±	2.5[g]
4-Methylphenanthrene and 9-Methylphenanthrene[b,d]	80.1	±	4.8[f]
2-Methylanthracene[c,d]	36	±	15[f]
8-Methylfluoranthene[b]	49.5	±	2.7[g]
7-Methylfluoranthene[b]	45.4	±	1.5[g]
1-Methylfluoranthene[b]	42.4	±	2.1[g]
3-Methylfluoranthene[b]	28.8	±	1.3[g]
2-Methylpyrene[b]	78.7	±	4.0[g]
4-Methylpyrene[b]	66.4	±	2.6[g]
1-Methylpyrene[b]	52.5	±	2.3[g]
Acephenanthrene[d]	30.5	±	1.9[g]
Benzo[*c*]phenanthrene[b,c,d]	58	±	15[f]
Benzo[*a*]fluoranthene[b,c,d]	73	±	18[f]
Benzo[*j*]fluoranthene[c]	217	±	5[g]
Indeno[1,2,3-*cd*]fluoranthene[d]	9.63	±	0.34[g]
Pentaphene[d]	25.3	±	1.0[g]

[a] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

[b] GC/MS (I) on 5 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

[c] GC/MS (II) on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

[d] GC/MS (III) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

[e] 1999 Interlaboratory Comparison Study [7] with 14 to 26 laboratories submitting data for each PAH.

[f] Reference values are weighted means of the results from two to four analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of PAHs listed as determined by the methods indicted. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

[g] Reference values are the means of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's t-distribution for the associated degrees of freedom (19 for footnote b and 5 for footnotes c and d) and 95 % confidence level for each analyte. The measurand is the total mass fraction of the PAHs listed as determined by the method indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 5. Reference Mass Fraction Values for PAHs of Molecular Mass 300 and 302 in SRM 1941b

PAHs of Molecular Mass 300 and 302	Mass Fractions[a,b,c] (µg/kg)		
Coronene	72.6	±	4.7
Dibenzo[*b,e*]fluoranthene	10.3	±	0.3
Naphtho[1,2-*b*]fluoranthene	91.0	±	3.1
Naphtho[1,2-*k*]fluoranthene and Naphtho[2,3-*j*]fluoranthene	79.8	±	2.5
Naphtho[2,3-*b*]fluoranthene	23.5	±	0.3
Dibenzo[*b,k*]fluoranthene	95.6	±	3.1
Dibenzo[*a,k*]fluoranthene	26.6	±	0.4
Dibenzo[*j,l*]fluoranthene	63.8	±	1.8
Dibenzo[*a,l*]pyrene	11.1	±	1.0
Naphtho[2,3-*k*]fluoranthene	10.7	±	0.6
Naphtho[1,2-*a*]pyrene	16.7	±	1.4
Naphtho[2,3-*e*]pyrene	33.2	±	2.3
Dibenzo[*a,e*]pyrene	76.1	±	3.6
Naphtho[2,1-*a*]pyrene	59.2	±	1.8
Dibenzo[*e,i*]pyrene	35.0	±	2.4
Naphtho[2,3-*a*]pyrene	16.5	±	0.6
Benzo[*b*]perylene	38.2	±	1.2
Dibenzo[*a,i*]pyrene	25.5	±	1.0
Dibenzo[*a,h*]pyrene	6.94	±	0.29

[a] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

[b] Reference values are the means of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's t-distribution for two degrees of freedom and 95 % confidence level for each analyte. The measurand is the total mass fraction of the constituent listed as determined by the method indicted. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

[c] GC/MS on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM [8].

Table 6. Reference Mass Fraction Values for PCB Congeners[a] in SRM 1941b

PCB Congeners			Mass Fractions[b,c] (µg/kg)		
PCB	45	(2,2',3,6-Tetrachlorobiphenyl)[d,e]	0.73	±	0.12
PCB	56	(2,3,3',4'-Tetrachlorobiphenyl)[d,f,g]	1.21	±	0.11
PCB	63	(2,3,4',5-Tetrachlorobiphenyl)[e,f,g]	0.213	±	0.040
PCB	70	(2,3',4',5-Tetrachlorobiphenyl)[e,f,g]	4.99	±	0.29
PCB	74	(2,4,4',5-Tetrachlorobiphenyl)[e,f,g]	2.04	±	0.15
PCB	77	(3,3',4,4'-Tetrachlorobiphenyl)[h]	0.31	±	0.03
PCB	107	(2,3,3',4',5-Pentachlorobiphenyl)[d,e,f,g]	0.628	±	0.028
PCB	132	(2,2',3,3',4,6'-Hexachlorobiphenyl)[d,f,g]	1.28	±	0.27
PCB	146	(2,2',3,4',5,5'-Hexachlorobiphenyl)[e,f,g]	1.22	±	0.12
PCB	158	(2,3,3',4,4',6-Hexachlorobiphenyl)[d,e,f,g]	0.65	±	0.15
PCB	163	(2,3,3',4',5,6-Hexachlorobiphenyl)[e,f,g]	1.28	±	0.06
PCB	174	(2,2',3,3',4,5,6'-Heptachlorobiphenyl)[d,e,f,g]	1.51	±	0.39
PCB	193	(2,3,3',4',5,5',6-Heptachlorobiphenyl)[d,e,f,g]	0.292	±	0.075

[a] PCB congeners are numbered according to the scheme proposed by Ballschmiter and Zell [9] and later revised by Schulte and Malisch [10] to conform with IUPAC rules, except PCB 107. Under the Ballschmiter and Zell numbering system, the IUPAC PCB 107 is listed as PCB 108.

[b] Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

[c] For these PCB congeners except PCB 77, the reference values are unweighted means of the results from two to four analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled within-method variance following the ISO/JCGM Guide [14,15]. For PCB 77, the reference value is the mean of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's t-distribution corresponding to two degrees of freedom and 95 % confidence level for PCB 77. The measurand is the total mass fraction of the PCB Congeners listed as determined by the method or methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as microgram per kilogram on a dry-mass basis.

[d] GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.

[e] GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).

[f] GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

[g] GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

[h] GC/MS NICI on a 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC-ECD (I) fractionated using a PYE column.

Table 7. Reference Mass Fraction Values for Selected Chlorinated Pesticides in SRM 1941b

Chlorinated Pesticides	Mass Fractions[a,b] (µg/kg)
2,4'-DDE[c,d]	0.38 ± 0.12
4,4'-DDT[e,f]	1.12 ± 0.42

[a] Mass Fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.
[b] The reference values are unweighted means of the results from two analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the chlorinated pesticides listed as determined by the methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.
[c] GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).
[d] GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).
[e] GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.
[f] 1999 Interlaboratory Comparison Study [7] with 10 laboratories submitting data for 4,4'-DDT.

Table 8. Reference Mass Fraction Values for Alkylated PAH Groups in SRM 1941b

Alkylated PAH Group	Mass Fraction[a,b] (µg/kg)
C2-decalins	18 ± 5
C4-decalins	41 ± 4
C2-naphthalenes	187 ± 53
C3-naphthalenes	158 ± 42
C1-benzothiophenes	25 ± 14
C2-benzothiophenes	20 ± 11
C3-benzothiophenes	22 ± 13
C4-benzothiophenes	18 ± 5
C1-fluorenes	57 ± 18
C2-fluorenes	122 ± 43
C3-fluorenes	128 ± 31
C1-phenanthrenes/anthracenes	313 ± 99
C2-phenanthrenes/anthracenes	247 ± 62
C3-phenanthrenes/anthracenes	165 ± 46
C4-phenanthrenes/anthracenes	87 ± 36
C1-dibenzothiophenes	54 ± 13
C2-dibenzothiophenes	91 ± 18
C3-dibenzothiophenes	84 ± 15
C4-dibenzothiophenes	57 ± 13
C1-fluoranthenes/pyrenes	252 ± 48
C2-fluoranthenes/pyrenes	205 ± 38
C3-fluoranthenes/pyrenes	102 ± 22
C4-fluoranthenes/pyrenes	121 ± 59
C1-benzanthraces/chrysenes/triphenylenes	208 ± 43
C2-benzanthraces/chrysenes/triphenylenes	120 ± 24
C3-benzanthraces/chrysenes/triphenylenes	73 ± 31
C4-benzanthraces/chrysenes/triphenylenes	41 ± 11

[a] The reference mass fraction value reported on a dry-mass basis is the median of results using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the median, and the coverage factor, $k = 2$. The measurand is the total mass fraction of the alkylated PAH groups listed as determined by the interlaboratory study methods. The values listed are metrologically traceable to the SI unit of mass fraction, expressed as micrograms per kilogram on a dry-mass basis.
[b] Data from the interlaboratory study [12].

Table 9. Reference Mass Fraction Values for Hopanes and Steranes in SRM 1941b

Hopane or Sterane	Mass Fraction[a,b] (µg/kg)
17α(H)-22,29,30-Trisnorhopane	54 ± 18
17α(H)-21β(H)-30-Norhopane	137 ± 21
17α(H)-21β(H)-30-Hopane	215 ± 44
17α(H)-21β(H)-22R-Homohopane	44 ± 10
17α(H)-21β(H)-22S-Homohopane	48 ± 13
5α(H)-14α(H),17α(H)-Cholestane 20R	41 ± 11
5α(H)-14β(H),17β(H)-Cholestane 20R	27 ± 6
5α(H)-14β(H),17β(H)-24-Methylcholestane 20R	21 ± 8
5α(H)-14α(H),17α(H)-24-Ethylcholestane 20R	19 ± 5
5α(H)-14β(H),17β(H)-24-Ethylcholestane 20R	41 ± 9

[a] The reference mass fraction value reported on a dry-mass basis is the median of results using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the median, and the coverage factor, $k = 2$. The measurand is the total mass fraction of the constituent listed as determined by the methods used during the interlaboratory study. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.
[b] Data from the interlaboratory study [12].

Table 10. Reference Mass Fraction Value for Total Organic Carbon in SRM 1941b

Total Organic Carbon (TOC)	2.99 % ± 0.24 %[a,b]

[a] Mass fraction is reported on a dry-mass basis; material as received contains approximately 2.4 % moisture.
[b] The reference value for total organic carbon is a weighted mean value from routine measurements made by two laboratories [21]. The uncertainty listed is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance. The reporting follows the ISO/JCGM Guides [2]. The measurand is the total mass fraction of TOC listed as determined by the methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as a percent on a dry-mass basis.

Table 11. Information Mass Fraction Values for Carbon, Hydrogen, and Nitrogen in SRM 1941b

Elements	Mass Fractions[a] (%)
Carbon	3.3
Hydrogen	1.2
Nitrogen	<0.5

[a] Mass fraction is reported on a dry-mass basis; material as received contains approximately 2.4 % moisture.

REFERENCES

[1] May, W.E.; Parris, R.M.; Beck II, C.M.; Fassett, J.D.; Greenberg, R.R.; Guenther, F.R.; Kramer, G.W.; Wise, S.A.; Gills, T.E.; Colbert, J.C.; Gettings, R.J.; MacDonald, B.R.; *Definition of Terms and Modes Used at NIST for Value-Assignment of Reference Materials for Chemical Measurements*; NIST Special Publication 260-136 (2000); available at http://www.nist.gov/srm/publications.cfm (accessed Jan 2015).

[2] Wise, S.A.; Poster, D.L.; Schantz, M.M.; Kucklick, J.R.; Sander, L.C.; Lopez de Alda, M.; Schubert, P.; Parris, R.M.; Porter, B.J.; *Two New Marine Sediment Standard Reference Materials (SRMs) for the Determination of Organic Contaminants*; Anal. Bioanal. Chem., Vol. 378, pp. 1251–1264 (2004).

[3] Wise, S.A.; Chesler, S.N.; Hertz, H.S.; Hilpert, L.R.; May, W.E.; *Chemically-Bonded Aminosilane Stationary Phase for the High Performance Liquid Chromatographic Separation of Polynuclear Aromatic Hydrocarbons*; Anal. Chem., Vol. 49, pp. 2306–2310 (1977).

[4] May, W.E.; Wise, S.A.; *Liquid Chromatographic Determination of Polycyclic Aromatic Hydrocarbons in Air Particulate Extracts*; Anal. Chem., Vol. 56, pp. 225–232 (1984).

[5] Wise, S.A.; Benner, B.A.; Byrd, G.D.; Chesler, S.N.; Rebbert, R.E.; Schantz, M.M.; *Determination of Polycyclic Aromatic Hydrocarbons in a Coal Tar Standard Reference Material*; Anal. Chem., Vol. 60, pp. 887-894 (1988).

[6] Wise, S.A.; Deissler, A.; Sander, L.C.; *Liquid Chromatographic Determination of Polycyclic Aromatic Hydrocarbon Isomers of Molecular Weight 278 and 302 in Environmental Standard Reference Materials*; Polycyclic Aromat. Compd., Vol. 3, pp. 169–184 (1993).

[7] Schantz, M.M.; Parris, R.M.; Wise, S.A.; *NIST/NOAA Intercomparison Exercise Program for Organic Contaminants in the Marine Environment: Description and Results of 1999 Organic Intercomparison Exercises*; NOAA Technical Memorandum NOS NCCOS CCMA 146, Silver Spring, MD (2000).

[8] Schubert, P.; Schantz, M.M.; Sander, L.C.; Wise, S.A.; *Determination of Polycyclic Aromatic Hydrocarbons with Molecular Mass 300 and 302 in Environmental-Matrix Standard Reference Materials by Gas Chromatography-Mass Spectrometry*; Anal. Chem., Vol. 75, pp. 234–246 (2003).

[9] Ballschmiter, K.; Zell, M.; *Analysis of Polychlorinated Biphenyls (PCB) by Glass Capillary Gas Chromatography - Composition of Technical Aroclor- and Clophen-PCB Mixtures*; Fresenius' Z. Anal. Chem., Vol. 302, pp. 20–31 (1980).

[10] Schulte, E.; Malisch, R.; *Calculation of the Real PCB Content in Environmental Samples. I. Investigation of the Composition of Two Technical PCB Mixtures*; Fresenius' Z. Anal. Chem., Vol. 314, pp. 545–551 (1983).

[11] Brubaker, W.W., Jr.; Schantz, M.M.; Wise, S.A.; *Determination of Non-ortho Polychlorinated Biphenyls in Environmental Standard Reference Materials*; Fresenius' J. Anal. Chem., Vol. 367, pp. 401–406 (2000).

[12] Schantz, M.M.; Kucklick, J.R..; *NIST Interlaboratory Analytical Comparison Study to Support Deepwater Horizon Natural Resource Damage Assessment: Description and Results for Crude Oil QA10OIL01*; NISTIR 7793 (2011).

[13] Ruhkin, A.L.; Vangel, M.G.; *Estimation of a Common Mean and Weighted Means Statistics*; J. Am. Statist. Assoc., Vol. 93, pp. 303–308 (1998).

[14] JCGM 100:2008; *Evaluation of Measurement Data — Guide to the Expression of Uncertainty in Measurement* (GUM 1995 with Minor Corrections); Joint Committee for Guides in Metrology (2008); available at http://www.bipm.org/utils/common/documents/jcgm/JCGM_100_2008_E.pdf (accessed Jan 2015); see also Taylor, B.N.; Kuyatt, C.E.; *Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results*; NIST Technical Note 1297; U.S. Government Printing Office: Washington, DC (1994); available at http://www.nist.gov/pml/pubs/tn1297/index.cfm (accessed Jan 2015).

[15] JCGM 101:2008; *Evaluation of measurement data – Supplement 1 to the "Guide to the expression of uncertainty in measurement" - Propagation of distributions using a Monte Carlo method*; JCGM (2008); available at http://www.bipm.org/utils/common/documents/jcgm/JCGM_101_2008_E.pdf (accessed Jan 2015).

[16] Levenson, M.S.; Banks, D.L.; Eberhardt, K.R.; Gill, L.M.; Guthrie, W.F.; Liu, H.-K.; Vangel, M.G.; Yen, J.H.; Zhang, N.F.; *An Approach to Combining Results from Multiple Methods Motivated by the ISO GUM*; J. Res. Natl. Inst. Stand. Technol., Vol. 105, pp. 571–579 (2000).

Certificate Revision History: 16 January 2015 (Corrected IUPAC name for PCB-56 and PCB-107; editorial changes); 10 June 2014 (Units corrected from mg/kg to µg/kg in Tables 8 and 9; editorial changes); 10 April 2012 (Reference value added for alkylated PAH groups, hopanes, and steranes; extension of certification period; editorial changes); 16 August 2004 (Reference values for the butyl tins removed; editorial changes); 15 July 2002 (Original certificate date).

Users of this SRM should ensure that the Certificate of Analysis in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srminfo@nist.gov; or via the Internet at http://www.nist.gov/srm.

APPENDIX A

The laboratories listed below performed measurements that contributed to the certification of PAHs, PCBs, and chlorinated pesticides in SRM 1941b Organics in Marine Sediment.

Arthur D. Little, Inc; Cambridge, MA
Axys Analytical Services; Sidney, BC, Canada
B & B Laboratories; College Station, TX
Battelle Ocean Sciences; Duxbury, MA
Bedford Institute of Oceanography; Dartmouth, NS, Canada
California Department of Fish and Game; Rancho Cordova, CA
Central Contra Costa Sanitary District; Martinez, CA
Chesapeake Biological Laboratory; Solomons, MD
Centro de Investigacionies Energeticas Medioambientales y Tecnologicas; Madrid, Spain
City of Los Angeles Environmental Monitoring Division; Playa del Rey, CA
City of San Jose Environmental Services Department; San Jose, CA
Columbia Analytical Services; Kelso, WA
East Bay Municipal Utility District; Oakland, CA
Florida Department of Environmental Protection; Tallahassee, FL
Manchester Environmental Laboratory; Port Orchard, WA
Murray State University; Murray, KY
Massachusetts Water Resources Authority Central Lab; Winthrop, MA
National Research Council of Canada; Ottawa, Ontario, Canada
National Oceanic and Atmospheric Association (NOAA), National Marine Fisheries Service (NMFS), Auke Bay Laboratory; Juneau, AK
NOAA, National Ocean Service/Center for Coastal Environmental Health and Biomolecular Research; Charleston, SC
NOAA, NMFS, Sandy Hook Marine Laboratory; Highlands, NJ
NOAA, NMFS, Northwest Fisheries Science Center; Seattle, WA
Orange County Sanitation District; Fountain Valley, CA
Philip Analytical Services; Burlington, Ontario, Canada
Serv de Hidrografia Naval; Buenos Aires, Argentina
Skidaway Institute of Technology; Savannah, GA
Southwest Laboratory of Oklahoma; Broken Arrow, OK
Severn Trent Knoxville Laboratory; Knoxville, TN
Texas A&M University, Geochemical and Environmental Research Group; College Station, TX
Texas Parks and Wildlife Department; San Marcos, TX
University of California at Los Angeles, Institute of Geophysics and Planetary Physics; Los Angeles, CA
University of Connecticut, Environmental Research Institute; Storrs, CT
University of Rhode Island, Graduate School of Oceanography; Narragansett, RI
US Department of Agriculture, Environmental Chemistry Laboratory; Beltsville, MD
US Environmental Protection Agency, Atlantic Ecology Division; Narragansett, RI
US Geological Survey, National Water Quality Laboratory; Denver, CO
Woods Hole Group Environmental Lab; Raynham, MA
Wright State University; Dayton, OH

APPENDIX B

The laboratories listed below performed measurements that contributed to the certification of alkylated PAH groups, hopanes, and steranes in SRM 1941b Organics in Marine Sediment.

Alpha Analytical, Inc.; Mansfield, MA
Analytical Resources, Inc.; Tukwila, WA
Axys Analytical Services; Sydney, BC, Canada
Battelle Analytical & Environmental Chemistry Laboratory; Duxbury, MA
Center for Laboratory Sciences; Pasco, WA
Columbia Analytical Services; Jacksonville, FL
Columbia Analytical Services; Rochester, NY
Columbia Analytical Services, Kelso, WA
Florida Department of Environmental Protection; Tallahassee, FL
Florida International University; North Miami, FL
Michigan Department of Natural Resources and Environment; Lansing, MI
Mississippi State Chemical Laboratory; Mississippi State, MS
NIST; Charleston, SC
NIST; Gaithersburg, MD
NOAA/NCCOS/NOS; Charleston, SC
NOAA/NMFS/Alaska Fisheries Science Center; Juneau, AK
NY State Department of Health; Albany, NY
Pace Analytical Services, Inc. Minneapolis; Minneapolis, MN
RJ Lee Group, Inc; Monroeville, PA
TDI/B&B Laboratories, Inc.; College Station, TX
TestAmerica Laboratories; Mobile, AL
TestAmerica Laboratories; West Sacramento, CA
TestAmerica Laboratories; University Park, IL
TestAmerica Laboratories; Schriever, LA
TestAmerica Laboratories; Edison, NJ
TestAmerica Laboratories; Knoxville, TN
TestAmerica Laboratories; Pittsburgh, PA
TestAmerica Laboratories; South Burlington, VT
TestAmerica Laboratories; Tacoma, WA
US Army Engineer Research and Development Center; Vicksburg, MS
USGS Columbia Environmental Research Center; Columbia, MO
University of Iowa, State Hygienic Laboratory; Iowa City, IO
Washington State Public Health Laboratories; Shoreline, WA

NIST

Date of Issue:
31 March 2014

SAFETY DATA SHEET

1. Substance and Source Identification

Product Identifier

SRM Number: 1941b
SRM Name: Organics in Marine Sediment
Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Standard Reference Material (SRM) is marine sediment collected at the mouth of the Baltimore (MD) Harbor. SRM 1941b is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and chlorinated pesticides in marine sediment and similar matrices. All of the constituents for which certified, reference, and information values are provided in SRM 1941b were naturally present in the sediment before processing. A unit of SRM 1941b consists of a bottle containing 50 g of radiation-sterilized, freeze-dried sediment.

Company Information

National Institute of Standards and Technology
Standard Reference Materials Program
100 Bureau Drive, Stop 2300
Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200
FAX: 301-948-3730
E-mail: SRMMSDS@nist.gov
Website: http://www.nist.gov/srm

Emergency Telephone ChemTrec:
1-800-424-9300 (North America)
+1-703-527-3887 (International)

2. Hazards Identification

Classification

Physical Hazard: Not classified.
Health Hazard: Not classified.

Label Elements
Symbol
No Symbol/Pictogram

Signal Word
Not applicable.

Hazard Statement(s): Not applicable.

Precautionary Statement(s): Not applicable.

Hazards Not Otherwise Classified: Not applicable.

Ingredients(s) with Unknown Acute Toxicity: Not applicable.

3. Composition and Information on Hazardous Ingredients

Substance: Marine sediment

Other Designations: Sediment.

This material is naturally occurring marine sediment from an urban area. The material contains trace amounts of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and should be handled with care. Components are listed in compliance with OSHA's 29 CFR 1910.1200; for the actual values see the Certificate of Analysis.

Hazardous Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
Marine Sediment	Not available	Not available	100

4. First Aid Measures

Description of First Aid Measures:

Inhalation: If adverse effects occur, remove to uncontaminated area. If not breathing, give artificial respiration or oxygen by qualified personnel. Seek immediate medical attention.

Skin Contact: Wash skin with soap and water.

Eye Contact: Flush eyes with water for at least 15 minutes. If necessary, seek medical attention.

Ingestion: If adverse effects occur after ingestion, seek medical treatment.

Most Important Symptoms/Effects, Acute and Delayed: May cause irritation.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek medical attention if needed.

5. Fire Fighting Measures

Fire and Explosion Hazards: Negligible fire hazard. Avoid generating dust. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media:
Suitable: Use extinguishing media appropriate for surrounding fire.
Unsuitable: None listed.

Specific Hazards Arising from the Chemical: None listed.

Special Protective Equipment and Precautions for Fire-Fighters: Avoid inhalation of material or combustion byproducts. Wear full protective clothing and NIOSH approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 1 Fire = 0 Reactivity = 0

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Any accumulated material on surfaces should be removed and properly disposed of. Use suitable protective equipment; see Section 8, "Exposure Controls and Personal Protection".

Methods and Materials for Containment and Clean up: Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

7. Handling and Storage

Safe Handling Precautions: Minimize dust generation and accumulation on surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. See Section 8, "Exposure Controls and Personal Protection".

Storage: Store and handling in accordance with all current regulations and standards.

8. Exposure Controls and Personal Protection

Exposure Limits: No occupational exposure limits have been established for marine sediment. This material is a particulate matter and adequate inhalation/respiratory protection should be used to minimize exposure. The exposure limits for Particulates Not Otherwise Regulated (PNOR) are applicable.

OSHA (PEL): 15 mg/m^3 (TWA, total particulates not otherwise regulated)
OSHA (PEL) 5 mg/m^3 (TWA, respirable particulates not otherwise regulated)

NIOSH (REL): 10 mg/m^3 (TWA, total particulates not otherwise regulated, 8 h)
NIOSH (REL): 5 mg/m^3 (TWA, respirable particulates not otherwise regulated)

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye/Face Protection: Wear splash resistant safety goggles with a face shield. An eye wash station should be readily available near areas of use.

Skin and Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Chemical-resistant gloves should be worn at all times when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties:

Appearance (physical state, color, etc.):	amorphous powder
Molecular Formula:	not applicable
Molar Mass (g/mol):	not applicable
Odor:	not available
Odor threshold:	not available
pH:	not available
Evaporation rate:	not applicable
Melting point/freezing point (°C):	not available
Specific Gravity (water=1)	not available
Vapor Pressure (mmHg):	not applicable
Vapor Density (air = 1):	not applicable
Viscosity (cP):	not applicable
Solubility(ies):	not available
Partition coefficient (n-octanol/water):	not available
Particle Size:	<150 µm

Thermal Stability Properties:

Autoignition Temperature (°C):	not available
Thermal Decomposition (°C):	not available
Initial boiling point and boiling range (°C):	not available
Explosive Limits, LEL (Volume %):	not available
Explosive Limits, UEL (Volume %):	not available
Flash Point (°C):	not available
Flammability (solid, gas):	not available

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Stability: X Stable _____ Unstable

Possible Hazardous Reactions: None listed.

Conditions to Avoid: Avoid generating dust.

Incompatible Materials: None listed.

Fire/Explosion Information: See Section 5, "Fire Fighting Measures".

Hazardous Decomposition: Thermal decomposition will produce oxides of carbon.

Hazardous Polymerization: _____ Will Occur X Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: __X__ Inhalation __X__ Skin _____ Ingestion

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Generated dust may cause irritation if inhaled.

Potential Health Effects (Acute, Chronic and Delayed):

Inhalation: Generated dust may cause irritation.

Skin Contact: May cause mechanical irritation.

Eye Contact: May cause mechanical irritation.

Ingestion: No data available.

Numerical Measures of Toxicity:

Acute Toxicity: Not classified; no data available.

Skin Corrosion/Irritation: Not classified; no data available.

Serious Eye damage/ Eye irritation: Not classified; no data available.

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Not classified.

Listed as a Carcinogen/Potential Carcinogen _____ Yes __X__ No
Marine sediment is not listed by NTP, IARC or OSHA as a carcinogen.

Reproductive Toxicity: Not classified; no data available.

Specific Target Organ Toxicity, Single Exposure: Not classified; no data available.

Specific Target Organ Toxicity, Repeated Exposure: Not classified; no data available.

Aspiration Hazard: Not classified; no data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste in accordance with all applicable federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: Not regulated by DOT or IATA.

15. REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH:	No.
CHRONIC HEALTH:	No.
FIRE:	No.
REACTIVE:	No.
PRESSURE:	No.

State Regulations:
California Proposition 65: Not listed.

U.S. TSCA Inventory: Not listed.

TSCA 12(b), Export Notification: Not listed.

Canadian Regulations:
WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 31 March 2014

Sources: 29 CFR Occupational Health and Safety Office (OSHA) 1910.1000, *Limits for Air Contaminants*, Table Z-1; available at http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992 (accessed Mar 2014).

Center for Disease Control (CDC) NIOSH Pocket Guide to Chemical Hazards, *Particulates not otherwise regulated*; available at http://www.cdc.gov/niosh/npg/npgd0480.html (accessed Mar 2014).

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NRC	Nuclear Regulatory Commission
ALI	Annual Limit on Intake	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EC50	Effective Concentration, 50 %	RM	Reference Material
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration, 50 %	STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50 %	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TPQ	Threshold Planning Quantity
MSDS	Material Safety Data Sheet	TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association	TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NIST	National Institute of Standards and Technology	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The certified values for this material are given in the NIST Certificate of Analysis.

Users of this SRM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail SRMINFO@nist.gov; Internet at http://www.nist.gov/srm.

Bill to:	68455	Ship to:	68456
	DAVE MITCHELL ANALYTICAL RESOURCES INC 4611 S 134TH PLACE SUITE 100 TUKWILA, WA 98168-3240 1 (206)695-6205		DAVE MITCHELL ANALYTICAL RESOURCES INC 4611 S 134TH PLACE SUITE 100 TUKWILA, WA 98168-3240 1 (206)695-6205

Ship via	UPS Ground	Description		Ship from	
Salesmen	MCMIDM2	Instructions		Blanket	
Contact	DAVE MITCHELL	Pro#		Truck#	

Order discrepancies (other than back ordered items) must be reported to our Customer Relations Department at 301-975-6776 within 5 days of receipt of shipment or this order will be considered complete. NIST SRMs/RMs are generally not returnable - with the exception of defective goods or shipments made in error by NIST. To return a SRM/RM, please call for instructions and a Return SRM/RM Authorization Number before shipment. Returns WILL NOT BE ACCEPTED without prior authorization.

Order	UOM	Ship	UOM	B/O	UOM	Item	Description
1	EACH	1	EACH	0	EACH	1941B	Organics in Marine Sediment
						Total qty:	1 / EACH
							NOT FOR HUMAN CONSUMPTION, LABORATORY USE ONLY.

9/21/16
04:04 PM

1700101

Picked by	
Packed by	
# of pieces	
Weight	

MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Microcrystalline Cellulose Powder_
Catalog Number: 191499_
Lot: Q9483_

Formula: $(C_6H_{10}O_5)n$	**Formula Weight:** N/A
CAS #: 9004-34-6	**Storage:** 15 - 30°C
Physical Description: White Powder	

Test	Specification	Result
Identity Test	Passes	Passes
Purity	97.0 - 102.0%	97.0 - 102.0%
Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
Water Soluble Substances	<12.0 mg/5 g	4.5 mg/5 g
Heavy Metals	<10 ppm	<10 ppm

H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
Bulk Density: 0.29 g/ml
Bulk Density (graduated cylinder): 0.31 g/ml
Conductivity: 18 µS/cm
Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

- 450 mesh: 77%
- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2
Degree of brightness: >88%
Powder flow-angle of repose: <42°
Recommended Retest Date: 11/30/2022

07/26/2018 - *John Huang, PhD*
MP Biomedicals, LLC.
Quality Control Manager

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mailto:biotech@mpbio.com
http://www.mpbio.com
Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)

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Lot: Q9483_

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CAS #: 9004-34-6	**Storage:** 15 - 30°C
Physical Description: White Powder	

Test	Specification	Result
Identity Test	Passes	Passes
Purity	97.0 - 102.0%	97.0 - 102.0%
Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
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H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
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Bulk Density (graduated cylinder): 0.31 g/ml
Conductivity: 18 µS/cm
Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

- 450 mesh: 77%
- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2
Degree of brightness: >88%
Powder flow-angle of repose: <42°
Recommended Retest Date: 11/30/2022

07/26/2018 - *John Huang, PhD*
MP Biomedicals, LLC.
Quality Control Manager

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Identity Test	Passes	Passes
Purity	97.0 - 102.0%	97.0 - 102.0%
Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
Water Soluble Substances	<12.0 mg/5 g	4.5 mg/5 g
Heavy Metals	<10 ppm	<10 ppm

H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
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Bulk Density (graduated cylinder): 0.31 g/ml
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Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

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- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2
Degree of brightness: >88%
Powder flow-angle of repose: <42°
Recommended Retest Date: 11/30/2022

07/26/2018 - *John Huang, PhD*
MP Biomedicals, LLC.
Quality Control Manager

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http://www.mpbio.com
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LDW22-IT817

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-01 C	SDG:	22L0137
Sampled:	12/05/22 12:55	Prepared:	12/08/22 14:29	File ID:	
% Solids:	78.84	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	78.84	1	0.04	0.04	

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LDW22-IT816

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-02 C	SDG:	22L0137
Sampled:	12/05/22 12:22	Prepared:	12/08/22 14:29	File ID:	
% Solids:	75.73	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	75.73	1	0.04	0.04	

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LDW22-IT815

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-03 C	SDG:	22L0137
Sampled:	12/05/22 12:42	Prepared:	12/08/22 14:29	File ID:	
% Solids:	53.68	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.68	1	0.04	0.04	

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LDW22-SC813

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-04 C	SDG:	22L0137
Sampled:	12/05/22 13:45	Prepared:	12/08/22 14:29	File ID:	
% Solids:	40.07	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	40.07	1	0.04	0.04	

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LDW22-SC784B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-05 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	50.51	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	50.51	1	0.04	0.04	

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LDW22-SC784B-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-06 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	51.82	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	51.82	1	0.04	0.04	

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LDW22-SC784C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-07 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	52.18	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	52.18	1	0.04	0.04	

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LDW22-SC784D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-08 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	53.05	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.05	1	0.04	0.04	

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LDW22-SC784E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-09 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	54.59	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.59	1	0.04	0.04	

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LDW22-SC784F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-10 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	54.54	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.54	1	0.04	0.04	

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LDW22-SC784G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-11 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	54.39	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.39	1	0.04	0.04	

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LDW22-SC784H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-12 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	64.75	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.75	1	0.04	0.04	

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LDW22-SC784I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-13 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	64.46	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.46	1	0.04	0.04	

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LDW22-SC784J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-14 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	62.47	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.47	1	0.04	0.04	

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LDW22-SC784K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-15 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	68.78	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.78	1	0.04	0.04	

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LDW22-SC784L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-16 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	60.59	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	60.59	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC784M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-17 C	SDG:	22L0137
Sampled:	12/05/22 12:20	Prepared:	12/08/22 14:29	File ID:	
% Solids:	52.80	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	52.80	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-18 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:29	File ID:	
% Solids:	46.77	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	46.77	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-19 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:29	File ID:	
% Solids:	47.95	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	47.95	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-20 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:29	File ID:	
% Solids:	51.35	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:39
Batch:	BKL0204	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	51.35	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-21 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	51.23	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	51.23	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-22 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	51.13	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	51.13	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-23 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	52.62	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	52.62	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-24 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	53.61	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.61	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-25 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	61.16	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.16	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-26 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	61.55	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.55	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-27 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	66.60	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	66.60	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-28 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	67.96	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	67.96	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-29 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	65.48	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.48	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-30 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	65.52	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.52	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785N

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-31 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	85.09	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	85.09	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC785A-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-32 C	SDG:	22L0137
Sampled:	12/05/22 13:54	Prepared:	12/08/22 14:40	File ID:	
% Solids:	46.25	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	46.25	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-33 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	60.76	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	60.76	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-34 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	62.46	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.46	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-35 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	61.82	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.82	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-36 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	63.17	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.17	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-37 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	66.03	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	66.03	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776E-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-38 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	67.63	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	67.63	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-39 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	66.03	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	66.03	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-40 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 14:40	File ID:	
% Solids:	63.43	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 14:42
Batch:	BKL0205	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.43	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-41 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	62.17	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.17	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-42 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	67.53	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	67.53	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-43 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	67.18	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	67.18	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-44 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	64.88	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.88	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-45 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	56.76	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	56.76	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC776M

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-46 C	SDG:	22L0137
Sampled:	12/06/22 07:49	Prepared:	12/08/22 15:36	File ID:	
% Solids:	63.33	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.33	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-47 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	53.96	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.96	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-48 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	53.07	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.07	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-49 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	54.83	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.83	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-50 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	54.94	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.94	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-51 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	55.49	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	55.49	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-52 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	59.71	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	59.71	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-53 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	59.21	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	59.21	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-54 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	62.45	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.45	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-55 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	63.28	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.28	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-56 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	64.31	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.31	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-57 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	66.10	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	66.10	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC770L

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-58 C	SDG:	22L0137
Sampled:	12/06/22 09:04	Prepared:	12/08/22 15:36	File ID:	
% Solids:	62.57	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.57	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-59 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:36	File ID:	
% Solids:	55.35	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	55.35	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-60 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:36	File ID:	
% Solids:	53.40	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0207	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.40	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-61 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	58.14	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	58.14	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-62 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	57.17	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	57.17	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-63 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	61.83	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.83	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-64 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	60.11	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	60.11	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-65 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	63.45	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.45	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-66 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	65.04	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.04	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769I

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-67 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	64.23	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.23	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769J

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-68 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	64.91	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.91	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC769K

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0137-69 C	SDG:	22L0137
Sampled:	12/06/22 10:03	Prepared:	12/08/22 15:37	File ID:	
% Solids:	63.27	Preparation:	No Prep Wet Chem	Analyzed:	12/08/22 15:39
Batch:	BKL0208	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.27	1	0.04	0.04	

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0204 Batch Matrix: Solid
Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT817	22L0137-01		12/08/22 14:29	
LDW22-IT816	22L0137-02		12/08/22 14:29	
LDW22-IT815	22L0137-03		12/08/22 14:29	
LDW22-SC813	22L0137-04		12/08/22 14:29	
LDW22-SC784B	22L0137-05		12/08/22 14:29	
LDW22-SC784B-FD	22L0137-06		12/08/22 14:29	
LDW22-SC784C	22L0137-07		12/08/22 14:29	
LDW22-SC784D	22L0137-08		12/08/22 14:29	
LDW22-SC784E	22L0137-09		12/08/22 14:29	
LDW22-SC784F	22L0137-10		12/08/22 14:29	
LDW22-SC784G	22L0137-11		12/08/22 14:29	
LDW22-SC784H	22L0137-12		12/08/22 14:29	
LDW22-SC784I	22L0137-13		12/08/22 14:29	
LDW22-SC784J	22L0137-14		12/08/22 14:29	
LDW22-SC784K	22L0137-15		12/08/22 14:29	
LDW22-SC784L	22L0137-16		12/08/22 14:29	
LDW22-SC784M	22L0137-17		12/08/22 14:29	
LDW22-SC785A	22L0137-18		12/08/22 14:29	
LDW22-SC785B	22L0137-19		12/08/22 14:29	
LDW22-SC785C	22L0137-20		12/08/22 14:29	
Blank	BKL0204-BLK1		12/08/22 14:29	
LDW22-IT817	BKL0204-DUP1		12/08/22 14:29	
LDW22-IT817	BKL0204-DUP2		12/08/22 14:29	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples

Method: PSEP 1986, SM2540, EPA 160.1

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0204
Date:	12/8/2022 14:39
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time

record times as mm/dd/yy hh:mm

date/time in oven:	12/8/2022 15:30	
date/time out:	12/9/2022 9:15	
elapsed hrs =	17.7	OK

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	75
Dry Cycle 1	99
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02		CV-02	CV-02	CV-02	
Date & Time:		12/7/22 15:00	12/8/22 14:50	12/9/22 11:25							
Cal Wt (g):	10.0000	10.0000	10.0000	10.0000							
		Cal OK!	Cal OK!	Cal OK!							

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams) 1	2	3	dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)	Notes
BKL0204-BLK1	1	0.8082	0.0000	0.8080			-0.0002	0.02%								
22L0137-01	2	0.8297	5.5737	4.5698			3.7401	78.84%								
BKL0204-DUP1	3	0.7937	6.3880	5.1757			4.3820	78.33%	RPD=0.6							
BKL0204-DUP2	4	0.8083	6.3166	5.2011			4.3928	79.75%	RSD=0.9							
22L0137-02	5	0.7951	6.6388	5.2206			4.4255	75.73%								
22L0137-03	6	0.7864	6.1905	3.6875			2.9011	53.68%								
22L0137-04	7	0.8009	6.2356	2.9788			2.1779	40.07%								
22L0137-05	8	0.8147	7.0552	3.9666			3.1519	50.51%								
22L0137-06	9	0.8013	9.1409	5.1232			4.3219	51.82%								
22L0137-07	10	0.8141	8.7235	4.9416			4.1275	52.18%								
22L0137-08	11	0.7981	7.7051	4.4624			3.6643	53.05%								
22L0137-09	12	0.8179	6.6399	3.9960			3.1781	54.59%								
22L0137-10	13	0.8219	7.4783	4.4522			3.6303	54.54%								
22L0137-11	14	0.8194	7.3679	4.3810			3.5616	54.39%								
22L0137-12	15	0.8089	7.9642	5.4421			4.6332	64.75%								
22L0137-13	16	0.7960	6.2733	4.3265			3.5305	64.46%								
22L0137-14	17	0.8093	6.1884	4.1695			3.3602	62.47%								
22L0137-15	18	0.7971	6.8082	4.9317			4.1346	68.78%								
22L0137-16	19	0.8120	5.2712	3.5139			2.7019	60.59%								
22L0137-17	20	0.7764	6.1494	3.6136			2.8372	52.80%								
22L0137-18	21	0.8111	7.9020	4.1274			3.3163	46.77%								
22L0137-19	22	0.7831	7.0854	3.8051			3.0220	47.95%								
22L0137-20	23	0.8047	7.7608	4.3768			3.5721	51.35%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0205 Batch Matrix: Solid
Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC785D	22L0137-21		12/08/22 14:40	
LDW22-SC785E	22L0137-22		12/08/22 14:40	
LDW22-SC785F	22L0137-23		12/08/22 14:40	
LDW22-SC785G	22L0137-24		12/08/22 14:40	
LDW22-SC785H	22L0137-25		12/08/22 14:40	
LDW22-SC785I	22L0137-26		12/08/22 14:40	
LDW22-SC785J	22L0137-27		12/08/22 14:40	
LDW22-SC785K	22L0137-28		12/08/22 14:40	
LDW22-SC785L	22L0137-29		12/08/22 14:40	
LDW22-SC785M	22L0137-30		12/08/22 14:40	
LDW22-SC785N	22L0137-31		12/08/22 14:40	
LDW22-SC785A-FD	22L0137-32		12/08/22 14:40	
LDW22-SC776A	22L0137-33		12/08/22 14:40	
LDW22-SC776B	22L0137-34		12/08/22 14:40	
LDW22-SC776C	22L0137-35		12/08/22 14:40	
LDW22-SC776D	22L0137-36		12/08/22 14:40	
LDW22-SC776E	22L0137-37		12/08/22 14:40	
LDW22-SC776E-FD	22L0137-38		12/08/22 14:40	
LDW22-SC776F	22L0137-39		12/08/22 14:40	
LDW22-SC776G	22L0137-40		12/08/22 14:40	
Blank	BKL0205-BLK1		12/08/22 14:40	
LDW22-SC785D	BKL0205-DUP1		12/08/22 14:40	
LDW22-SC785D	BKL0205-DUP2		12/08/22 14:40	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples

Method: PSEP 1986, SM2540, EPA 160.1

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0205
Date:	12/8/2022 14:42
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time

record times as mm/dd/yy hh:mm

date/time in oven:	12/8/2022 15:30	
date/time out:	12/9/2022 9:15	
elapsed hrs =	17.7	OK

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	75
Dry Cycle 1	99
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02		CV-02	CV-02	CV-02	
Date & Time:		12/7/22 15:00	12/8/22 15:15	12/9/22 11:33							
Cal Wt (g):	10.0000	10.0000	10.0000	10.0000							
		Cal OK!	Cal OK!	Cal OK!							

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams) 1	2	3	dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)	Notes
BKL0205-BLK1	24	0.8372	0.0000	0.8370			-0.0002	0.02%								
22L0137-21	25	0.8045	7.2600	4.1119			3.3074	51.23%								
BKL0205-DUP1	26	0.8279	6.7098	3.8249			2.9970	50.95%	RPD=0.5							
BKL0205-DUP2	27	0.7825	8.5075	4.7844			4.0019	51.80%	RSD=0.8							
22L0137-22	28	0.8154	7.9337	4.4551			3.6397	51.13%								
22L0137-23	29	0.8097	7.3391	4.2455			3.4358	52.62%								
22L0137-24	30	0.7722	8.6913	5.0179			4.2457	53.61%								
22L0137-25	31	0.8089	6.6286	4.3684			3.5595	61.16%								
22L0137-26	32	0.8088	6.9333	4.5786			3.7698	61.55%								
22L0137-27	33	0.8056	7.0964	4.9951			4.1895	66.60%								
22L0137-28	34	0.8013	6.3751	4.5892			3.7879	67.96%								
22L0137-29	35	0.8377	7.6504	5.2986			4.4609	65.48%								
22L0137-30	36	0.8039	8.0363	5.5429			4.7390	65.52%								
22L0137-31	37	0.7972	7.0219	6.0938			5.2966	85.09%								
22L0137-32	38	0.8110	7.6578	3.9777			3.1667	46.25%								
22L0137-33	39	0.8031	7.8957	5.1123			4.3092	60.76%								
22L0137-34	40	0.8027	8.8782	5.8469			5.0442	62.46%								
22L0137-35	41	0.8499	6.7600	4.5038			3.6539	61.82%								
22L0137-36	42	0.7809	7.6000	5.0883			4.3074	63.17%								
22L0137-37	43	0.8124	7.1925	5.0250			4.2126	66.03%								
22L0137-38	44	0.8331	8.2727	5.8642			5.0311	67.63%								
22L0137-39	45	0.8236	7.1930	5.0294			4.2058	66.03%								
22L0137-40	46	0.7969	6.7958	4.6018			3.8049	63.43%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0207 Batch Matrix: Solid
Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC776H	22L0137-41		12/08/22 15:36	
LDW22-SC776I	22L0137-42		12/08/22 15:36	
LDW22-SC776J	22L0137-43		12/08/22 15:36	
LDW22-SC776K	22L0137-44		12/08/22 15:36	
LDW22-SC776L	22L0137-45		12/08/22 15:36	
LDW22-SC776M	22L0137-46		12/08/22 15:36	
LDW22-SC770A	22L0137-47		12/08/22 15:36	
LDW22-SC770B	22L0137-48		12/08/22 15:36	
LDW22-SC770C	22L0137-49		12/08/22 15:36	
LDW22-SC770D	22L0137-50		12/08/22 15:36	
LDW22-SC770E	22L0137-51		12/08/22 15:36	
LDW22-SC770F	22L0137-52		12/08/22 15:36	
LDW22-SC770G	22L0137-53		12/08/22 15:36	
LDW22-SC770H	22L0137-54		12/08/22 15:36	
LDW22-SC770I	22L0137-55		12/08/22 15:36	
LDW22-SC770J	22L0137-56		12/08/22 15:36	
LDW22-SC770K	22L0137-57		12/08/22 15:36	
LDW22-SC770L	22L0137-58		12/08/22 15:36	
LDW22-SC769A	22L0137-59		12/08/22 15:36	
LDW22-SC769B	22L0137-60		12/08/22 15:36	
Blank	BKL0207-BLK1		12/08/22 15:36	
LDW22-SC776H	BKL0207-DUP1		12/08/22 15:36	
LDW22-SC776H	BKL0207-DUP2		12/08/22 15:36	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples

Method: PSEP 1986, SM2540, EPA 160.1

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0207
Date:	12/8/2022 15:39
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time

record times as mm/dd/yy hh:mm

date/time in oven:	12/8/2022 16:20	
date/time out:	12/9/2022 11:20	
elapsed hrs =	19.0	OK

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	75
Dry Cycle 1	99
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02		CV-02	CV-02	CV-02	
Date & Time:		12/7/22 15:00	12/8/22 15:50	12/9/22 12:00							
Cal Wt (g):	10.0000	10.0000	10.0000	10.0000							
		Cal OK!	Cal OK!	Cal OK!							

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams) 1	2	3	dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)	Notes
BKL0207-BLK1	47	0.8357	0.0000	0.8356			-0.0001	0.01%								
22L0137-41	48	0.7901	5.6826	3.8316			3.0415	62.17%								
BKL0207-DUP1	49	0.7959	6.0649	4.0351			3.2392	61.48%	RPD=1.1							
BKL0207-DUP2	50	0.8283	7.5034	5.0372			4.2089	63.05%	RSD=1.3							
22L0137-42	51	0.8310	6.9745	4.9794			4.1484	67.53%								
22L0137-43	52	0.8141	6.4680	4.6125			3.7984	67.18%								
22L0137-44	53	0.7883	5.8381	4.0646			3.2763	64.88%								
22L0137-45	54	0.8131	5.4410	3.4401			2.6270	56.76%								
22L0137-46	55	0.8357	5.5019	3.7908			2.9551	63.33%								
22L0137-47	56	0.8010	6.3167	3.7773			2.9763	53.96%								
22L0137-48	57	0.7950	9.1168	5.2116			4.4166	53.07%								
22L0137-49	58	0.7974	7.6793	4.5710			3.7736	54.83%								
22L0137-50	59	0.7742	7.6027	4.5259			3.7517	54.94%								
22L0137-51	60	0.8388	7.1707	4.3523			3.5135	55.49%								
22L0137-52	61	0.8163	7.6618	4.9037			4.0874	59.71%								
22L0137-53	62	0.7883	7.9595	5.0342			4.2459	59.21%								
22L0137-54	63	0.8330	6.6095	4.4405			3.6075	62.45%								
22L0137-55	64	0.8131	7.7501	5.2025			4.3894	63.28%								
22L0137-56	65	0.7951	8.7123	5.8870			5.0919	64.31%								
22L0137-57	66	0.7958	8.2949	5.7529			4.9571	66.10%								
22L0137-58	67	0.7798	8.4902	5.6042			4.8244	62.57%								
22L0137-59	68	0.7962	8.4453	5.0302			4.2340	55.35%								
22L0137-60	69	0.8335	8.1081	4.7178			3.8843	53.40%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0208 Batch Matrix: Solid
Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC769C	22L0137-61		12/08/22 15:37	
LDW22-SC769D	22L0137-62		12/08/22 15:37	
LDW22-SC769E	22L0137-63		12/08/22 15:37	
LDW22-SC769F	22L0137-64		12/08/22 15:37	
LDW22-SC769G	22L0137-65		12/08/22 15:37	
LDW22-SC769H	22L0137-66		12/08/22 15:37	
LDW22-SC769I	22L0137-67		12/08/22 15:37	
LDW22-SC769J	22L0137-68		12/08/22 15:37	
LDW22-SC769K	22L0137-69		12/08/22 15:37	
Blank	BKL0208-BLK1		12/08/22 15:37	
LDW22-SC769C	BKL0208-DUP1		12/08/22 15:37	
LDW22-SC769C	BKL0208-DUP2		12/08/22 15:37	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples

Method: PSEP 1986, SM2540, EPA 160.1

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0208
Date:	12/8/2022 15:39
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time

record times as mm/dd/yy hh:mm

date/time in oven:	12/8/2022 16:20	
date/time out:	12/9/2022 11:20	
elapsed hrs =	19.0	OK

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	75
Dry Cycle 1	99
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:	CV-02	CV-02	CV-02	CV-02	CV-02		CV-02	CV-02	CV-02	
Date & Time:	12/7/22 15:00	12/8/22 16:10	12/9/22 12:10							
Cal Wt (g): 10.0000	10.0000	10.0000	10.0000							
	Cal OK!	Cal OK!	Cal OK!							

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams) 1	2	3	dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)	Notes
BKL0208-BLK1	70	0.8172	0.0000	0.8170			-0.0002	0.02%								
22L0137-61	71	0.8299	7.9027	4.9422			4.1123	58.14%								
BKL0208-DUP1	72	0.8020	7.5422	4.7112			3.9092	58.00%	RPD=0.2							
BKL0208-DUP2	73	0.8129	7.9905	4.9689			4.1560	57.90%	RSD=0.2							
22L0137-62	74	0.8245	7.2566	4.5018			3.6773	57.17%								
22L0137-63	75	0.8281	7.7154	5.0868			4.2587	61.83%								
22L0137-64	76	0.8009	7.8738	5.0526			4.2517	60.11%								
22L0137-65	77	0.8232	5.8346	4.0031			3.1799	63.45%								
22L0137-66	78	0.8283	6.0309	4.2121			3.3838	65.04%								
22L0137-67	79	0.7951	6.5459	4.4890			3.6939	64.23%								
22L0137-68	80	0.8120	6.5852	4.5594			3.7474	64.91%								
22L0137-69	81	0.8381	7.0406	4.7626			3.9245	63.27%								

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0204
Laboratory ID: BKL0204-BLK1
Prepared: 12/08/22 14:29
Matrix: Solid
Preparation: No Prep Wet Chem
Analyzed: 12/08/22 14:39
Sequence:
Calibration:
Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0205
Laboratory ID: BKL0205-BLK1
Prepared: 12/08/22 14:40
Matrix: Solid
Preparation: No Prep Wet Chem
Analyzed: 12/08/22 14:42
Sequence:
Calibration:
Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0207
Laboratory ID: BKL0207-BLK1
Prepared: 12/08/22 15:36
Matrix: Solid
Preparation: No Prep Wet Chem
Analyzed: 12/08/22 15:39
Sequence:
Calibration:
Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0208
Laboratory ID: BKL0208-BLK1
Prepared: 12/08/22 15:37
Matrix: Solid
Preparation: No Prep Wet Chem
Analyzed: 12/08/22 15:39
Sequence:
Calibration:
Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0204-DUP1
Batch: BKL0204
Lab Source ID: 22L0137-01
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-IT817
% Solids: 78.84

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	78.84	78.33	0.647	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0204-DUP2
Batch: BKL0204
Lab Source ID: 22L0137-01
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-IT817
% Solids: 78.84

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	78.84	79.75	1.15	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0205-DUP1
Batch: BKL0205
Lab Source ID: 22L0137-21
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC785D
% Solids: 51.23

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	51.23	50.95	0.550	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0205-DUP2
Batch: BKL0205
Lab Source ID: 22L0137-21
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC785D
% Solids: 51.23

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	51.23	51.80	1.11	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0207-DUP1
Batch: BKL0207
Lab Source ID: 22L0137-41
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC776H
% Solids: 62.17

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	62.17	61.48	1.12	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0207-DUP2
Batch: BKL0207
Lab Source ID: 22L0137-41
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC776H
% Solids: 62.17

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	62.17	63.05	1.42	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0208-DUP1
Batch: BKL0208
Lab Source ID: 22L0137-61
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC769C
% Solids: 58.14

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	58.14	58.00	0.248	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0208-DUP2
Batch: BKL0208
Lab Source ID: 22L0137-61
Preparation: No Prep Wet Chem
Initial/Final: 5 g / 5 g
Source Sample Name: LDW22-SC769C
% Solids: 58.14

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	58.14	57.90	0.414	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT817 22L0137-01	12/05/22 12:55	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-IT816 22L0137-02	12/05/22 12:22	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-IT815 22L0137-03	12/05/22 12:42	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC813 22L0137-04	12/05/22 13:45	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784B 22L0137-05	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784B-FD 22L0137-06	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784C 22L0137-07	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784D 22L0137-08	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784E 22L0137-09	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784F 22L0137-10	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784G 22L0137-11	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784H 22L0137-12	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784I 22L0137-13	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784J 22L0137-14	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784K 22L0137-15	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784L 22L0137-16	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC784M 22L0137-17	12/05/22 12:20	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC785A 22L0137-18	12/05/22 13:54	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC785B 22L0137-19	12/05/22 13:54	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC785C 22L0137-20	12/05/22 13:54	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
LDW22-SC785D 22L0137-21	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785E 22L0137-22	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC785F 22L0137-23	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785G 22L0137-24	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785H 22L0137-25	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785I 22L0137-26	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785J 22L0137-27	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785K 22L0137-28	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785L 22L0137-29	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785M 22L0137-30	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785N 22L0137-31	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC785A-FD 22L0137-32	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
LDW22-SC776A 22L0137-33	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776B 22L0137-34	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776C 22L0137-35	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776D 22L0137-36	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776E 22L0137-37	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776E-FD 22L0137-38	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776F 22L0137-39	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776G 22L0137-40	12/06/22 07:49	12/06/22 16:50	12/08/22 14:40	2	28	12/08/22 14:42	2	28	
LDW22-SC776H 22L0137-41	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC776I 22L0137-42	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC776J 22L0137-43	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC776K 22L0137-44	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC776L 22L0137-45	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC776M 22L0137-46	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770A 22L0137-47	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770B 22L0137-48	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770C 22L0137-49	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770D 22L0137-50	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770E 22L0137-51	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770F 22L0137-52	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770G 22L0137-53	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770H 22L0137-54	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770I 22L0137-55	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770J 22L0137-56	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770K 22L0137-57	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC770L 22L0137-58	12/06/22 09:04	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC769A 22L0137-59	12/06/22 10:03	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC769B 22L0137-60	12/06/22 10:03	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
LDW22-SC769C 22L0137-61	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769D 22L0137-62	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769E 22L0137-63	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769F 22L0137-64	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769G 22L0137-65	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769H 22L0137-66	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0137

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC769I 22L0137-67	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769J 22L0137-68	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
LDW22-SC769K 22L0137-69	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
Duplicate BKL0204-DUP1	12/05/22 12:55	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
Duplicate BKL0204-DUP2	12/05/22 12:55	12/06/22 16:50	12/08/22 14:29	3	28	12/08/22 14:39	3	28	
Duplicate BKL0205-DUP1	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
Duplicate BKL0205-DUP2	12/05/22 13:54	12/06/22 16:50	12/08/22 14:40	3	28	12/08/22 14:42	3	28	
Duplicate BKL0207-DUP1	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
Duplicate BKL0207-DUP2	12/06/22 07:49	12/06/22 16:50	12/08/22 15:36	2	28	12/08/22 15:39	2	28	
Duplicate BKL0208-DUP1	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	
Duplicate BKL0208-DUP2	12/06/22 10:03	12/06/22 16:50	12/08/22 15:37	2	28	12/08/22 15:39	2	28	

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0137
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Instrument:

Analyte	MDL	RL	Units
Total Solids	0.04	0.04	%

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0173
Date:	12/7/2022 13:56
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time		
Record times as mm/dd/yy hh:mm		Oven Temp, C
Date/time in oven:	12/8/2022 12:58	
Date/time out:	12/9/2022 9:15	
Elapsed hrs:	20.3	

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	104
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-21	0.8200	12.2600	6.6600	5.84	**51.05%**	No
22L0137-22	0.8800	12.1300	6.5300	5.65	**50.22%**	No
22L0137-23	0.8000	11.5400	6.2900	5.49	**51.12%**	No
22L0137-24	0.7900	12.2100	7.0100	6.22	**54.47%**	No
22L0137-25	0.8000	11.4800	7.6600	6.86	**64.23%**	No
22L0137-26	0.8000	12.3500	8.0500	7.25	**62.77%**	No
22L0137-27	0.8000	12.0300	8.0700	7.27	**64.74%**	No
22L0137-28	0.8000	11.4800	8.0500	7.25	**67.88%**	No
22L0137-29	0.8200	12.1500	8.1400	7.32	**64.61%**	No
22L0137-30	0.8000	12.1900	8.3700	7.57	**66.46%**	No
22L0137-31	0.8000	11.4100	9.8600	9.06	**85.39%**	No
22L0137-32	0.8000	11.4200	6.3400	5.54	**52.17%**	Yes
22L0137-33	0.8000	11.4500	8.3700	7.57	**71.08%**	Yes
22L0137-34	0.8000	12.3900	8.1700	7.37	**63.59%**	No
22L0137-35	0.9000	12.3800	7.9900	7.09	**61.76%**	No
22L0137-36	0.8100	11.8500	7.6300	6.82	**61.78%**	No
22L0137-37	0.8000	12.0800	8.5400	7.74	**68.62%**	No
22L0137-38	0.8100	12.2400	7.8800	7.07	**61.85%**	No
22L0137-39	0.8100	11.3300	7.5900	6.78	**64.45%**	No
22L0137-40	0.8000	11.4100	7.3800	6.58	**62.02%**	No

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Batch:	BKL0173
Date:	12/7/2022 13:56
Analyst:	CR
Drying Oven:	OLS
Analytical Balance:	B139298002

Instrumentation

Batch drying time				
Record times as mm/dd/yy hh:mm			Oven Temp, C	TS (%) calculated as:
Date/time in oven:	12/08/22	12:58	104	Final dry wt (g) = (Dry Wt - Tare Wt)
Date/time out:	12/9/22	9:15		TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)
Elapsed hrs:	0.0			

Oven Temps, °C	
Start Temp:	104
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-21 B	~~0.81~~ 0.82	12.26	6.66			No
22L0137-22	0.88	12.13	6.53			No
22L0137-23	0.80	11.54	6.29			No
22L0137-24	0.74	12.21	7.01			No
22L0137-25	0.80	11.48	7.66			No
22L0137-26	0.80	12.35	8.05			No
22L0137-27	0.80	12.03	8.07			No
22L0137-28	0.80	11.48	8.05			No
22L0137-29	0.82	12.15	8.14			No
22L0137-30	0.80	12.14	8.37			No
22L0137-31	0.80	11.41	9.36			No
22L0137-32	0.80	11.42	6.34			~~No~~ yes
22L0137-33	0.80	12.45	8.37			~~No~~ yes
22L0137-34	0.80	12.34	9.17			No
22L0137-35	0.77	12.38	7.99			No
22L0137-36	0.81	11.85	7.63			No
22L0137-37	0.80	12.08	8.54			No
22L0137-38	0.81	11.24	7.88			No
22L0137-39	0.81	11.33	7.59			No
22L0137-40 B	0.80	11.41	7.38			No

T/S + Screens
no copies

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0174
Date:	12/7/2022 13:59
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time

Record times as mm/dd/yy hh:mm

Date/time in oven:	12/8/2022 15:57
Date/time out:	12/9/2022 9:15
Elapsed hrs:	17.3

Oven Temp, C

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	108
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-41	0.8100	12.3500	7.9700	7.16	**62.05%**	No
22L0137-42	0.8100	12.3600	8.5600	7.75	**67.10%**	No
22L0137-43	0.8100	11.5400	7.8700	7.06	**65.80%**	No
22L0137-44	0.8000	11.7700	8.1800	7.38	**67.27%**	No
22L0137-45	0.7900	11.2700	6.8000	6.01	**57.35%**	No
22L0137-46	0.8000	11.0100	7.2800	6.48	**63.47%**	No
22L0137-47	0.8000	11.6300	6.9600	6.16	**56.88%**	Yes
22L0137-48	0.7900	11.7500	6.8000	6.01	**54.84%**	Yes
22L0137-49	0.8000	12.5300	7.1600	6.36	**54.22%**	No
22L0137-50	0.8000	12.8900	7.9900	7.19	**59.47%**	No
22L0137-51	0.8000	11.5700	6.8600	6.06	**56.27%**	No
22L0137-52	0.8100	12.4500	7.7400	6.93	**59.54%**	No
22L0137-53	0.8100	11.4700	7.3000	6.49	**60.88%**	No
22L0137-54	0.8000	11.4700	7.5000	6.70	**62.79%**	No
22L0137-55	0.7900	12.1000	7.9800	7.19	**63.57%**	No
22L0137-56	0.7900	11.4300	7.6500	6.86	**64.47%**	No
22L0137-57	0.8000	11.8000	7.9900	7.19	**65.36%**	No
22L0137-58	0.8100	12.1100	8.0200	7.21	**63.81%**	No
22L0137-59	0.8000	12.4200	7.3700	6.57	**56.54%**	Yes
22L0137-60	0.7900	11.6800	6.8300	6.04	**55.46%**	No

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0174
Date:	12/7/2022 13:59
Analyst:	CR
Drying Oven:	OLG
Analytical Balance:	B13824 8002

Batch drying time		
Record times as mm/dd/yy hh:mm		
Date/time in oven:	12/08/22	15:57
Date/time out:	12/9/22	9:15
Elapsed hrs:	0.0	

Oven Temp, C: 108

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	108
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-41 B	0.81	12.35	7.97			No
22L0137-42	0.81	12.36	8.56			No
22L0137-43	0.81	11.54	7.87			No
22L0137-44	0.80	11.94	8.18			No
22L0137-45	0.74	11.24	6.86			No
22L0137-46	0.80	11.01	7.28			No
22L0137-47	0.80	11.63	6.96			~~No~~ YES
22L0137-48	0.74	11.75	6.80			~~No~~ YES
22L0137-49	0.80	12.53	7.16			No
22L0137-50	0.80	12.89	7.99			No
22L0137-51	0.80	11.57	6.86			No
22L0137-52	0.81	12.45	7.74			No
22L0137-53	0.81	11.47	7.30			No
22L0137-54	0.80	11.44	7.50			No
22L0137-55	0.74	12.10	7.98			No
22L0137-56	0.74	11.43	7.65			No
22L0137-57	0.80	11.80	7.99			No
22L0137-58	0.81	12.11	8.02			No
22L0137-59	0.80	12.42	7.37			~~No~~ YES
22L0137-60 B	0.74	11.68	6.83			No

TLs + Surrs
No Copies

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0175
Date:	12/7/2022 14:01
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time					
Record times as mm/dd/yy hh:mm			Oven Temp, C	TS (%) calculated as:	Oven Temps, °C
Date/time in oven:	12/9/2022 10:52		109	Final dry wt (g) = (Dry Wt - Tare Wt)	Start Temp: 109
Date/time out:	12/12/2022 8:50		104	TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)	End Temp: 104
Elapsed hrs:	70.0	> 24 hr			

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-61	0.8000	12.2100	7.3700	6.57	**57.58%**	Yes
22L0137-62	0.8100	12.8600	7.8700	7.06	**58.59%**	No
22L0137-63	0.8000	11.1900	7.1900	6.39	**61.50%**	Yes
22L0137-64	0.8000	12.4100	8.0100	7.21	**62.10%**	No
22L0137-65	0.8000	11.7500	7.8000	7.00	**63.93%**	No
22L0137-66	0.7900	11.6400	7.8200	7.03	**64.79%**	No
22L0137-67	0.7900	12.5600	8.3500	7.56	**64.23%**	No
22L0137-68	0.8000	11.5600	7.7900	6.99	**64.96%**	No
22L0137-69	0.8100	11.2700	8.2900	7.48	**71.51%**	No

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Batch:	BKL0175
Date:	12/7/2022 14:01
Analyst:	CR
Drying Oven:	015
Analytical Balance:	B134248002

Instrumentation

Batch drying time

Record times as mm/dd/yy hh:mm

			Oven Temp, C
Date/time in oven:	12/07/22	10:52	104
Date/time out:	12/12/22	8:50	104
Elapsed hrs:	0.0		

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	104
End Temp:	104

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0137-61 B	0.80	12.21	7.37			~~No~~ yes
22L0137-62	0.81	12.~~86~~	7.87			No
22L0137-63	0.~~90~~	11.~~97~~	7.19			~~No~~ yes
22L0137-64	0.~~80~~	12.41	8.01			No
22L0137-65	0.80	11.75	7.80			No
22L0137-66	0.77	11.64	7.82			No
22L0137-67	0.79	12.56	8.35			No
22L0137-68 L	0.80	11.56	7.79			No
22L0137-69 B	0.81	11.27	8.29			No

T/S + Screens no wipes