



AECOS, Inc.

45-939 Kamehameha Hwy, Suite 104 • Kaneohe, HI 96744

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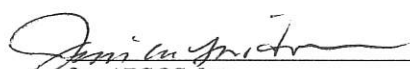
CLIENT: Stantec GS
737 Bishop Street, Suite 3050
Honolulu HI 96813
ATTENTION: Benjamin Berridge / Jess Hawkins
Benjamin.Berridge@cardno-gs.com
Jessica.Hawkins@cardno-gs.com

FILE No.: 1494
REPORT DATE: 06/21/2025
PAGE: 1 of 1

AECOS REPORT OF RESULTS

SAMPLE TYPE: Water AECOS LOG No.: 53096, 53098]
DATE SAMPLED: 06/16/25
DATE/TIME RECEIVED: 06/16/25 @1515, 1549 SAMPLER: J. Hawkins, S. Gabitzer
TEMP. CONTROL: 7.3, 17.8 (w/IR) °C MATRIX: Water
DATE/TIME ANALYZED: 06/16/25 @1557, 1600 ANALYST: R. Knapstein

ANALYTE (UNITS)		Enterococcus (MPN/100ml)	Dilution Factor (10 ml / 100 ml)	Number of large positive wells	Number of small positive wells
SAMPLE ID ↴	METHOD →	ASTM D650399	---	---	---
	TIME SAMPLED ↴				
D-8	0835	140	10	12	0
U-3 / WW-4	0850	2100	10	46	21
D-7	0905	890	10	37	12
D-6	0935	250	10	15	6
E-2	0930	930	10	40	8
D-4	0945	490	10	28	6
WW-2	1000	41	10	4	0
U-2 / WW-5	1015	12,000	10	49	41
WW-3	1015	500	10	28	7
WW-6	0930	160	10	11	3
E-1	1130	31	10	3	0
E-1 Dup	1135	31	10	3	0
Waiaka-1	1115	>24,000	10	49	48


for AECOS, Inc.



AECOS, Inc.

45-939 Kamehameha Highway Suite 104

Kaneohe, Oahu, HI 96744

Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT
FILE No.

LOG NUMBER

0530961

CLIENT: STANTEC GS CONTACT: JESSICA HAWKINS

ADDRESS: 737 BISHOP ST, SUITE 200 PHONE No.: 808-754-0124

Purchase Order No.:

HONOLULU, HI, 96813

☐ RUSH

☐ SEE REVERSE

SPECIAL INSTRUCTIONS

SAMPLED

	✓	SAMPLE ID	DATE	TIME	SAMPLE TYPE	CONTAINER(S)	REQUESTED ANALYSES	PRESERVATION
1	✓	D-8	6/16/25	0835	Water	1 IDEALX	Enterococci	
2	✓	U-3/WW-4		0850				
3	✓	D-7		0905				
4	✓	D-6		0935				
5	✓	E-2		0930				
6	✓	D-4		0945				
7	✓	WW-2		1000				
8	✓	U-2/WW-5		1015				
9	✓	WW-3		1015				
10	✓	WW-1 WW-6		930				

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE. NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE SAMPLE MUST BE ENTERED BELOW. INFORMATION REQUESTED IN SHADED BOXES ABOVE TO BE FILLED IN BY THE LABORATORY.

SAMPLED BY: <i>Jm Bsh</i>	DATE: <i>Jun 14</i>
PRINT NAME: <i>Jessica Hawkins</i>	TIME: <i>3:15pm</i>
RELINQUISHED:	DATE: <i>6/16/25</i>
SIGNATURE: <i>Jm Bsh</i>	TIME: <i>3:15pm</i>

RECEIVED BY:	DATE: <i>20</i>
SIGNATURE:	TIME: <i>1515</i>
RELINQUISHED:	DATE: <i>20</i>
SIGNATURE OR INITIALS:	TIME: <i>20</i>

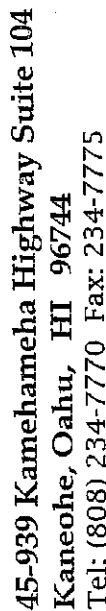
RECEIVED FOR LABORATORY:	DATE: <i>6/14</i>
SIGNATURE: <i>[Signature]</i>	TIME: <i>20</i>
RELINQUISHED:	DATE: <i>1515</i>
SIGNATURE OR INITIALS:	TIME: <i>20</i>

COMMENTS: PRECAUTIONS:

T=7.3V

no sample - see log [53098]
USE (BLACK) INK

RETURN SAMPLE TO CLIENT ☐



AFCS, Inc.

45-939 Kamehameha Highway Suite 104
Kaneohe, Oahu, HI 96744
Tel: (808) 234-7770 Fax: 234-7775

☐ RUSH [+5%]
☐ SEE REVERSE
 SPECIAL INSTRUCTIONS

pg 2 of 3

☐	RUSH
☐	SEE REV

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE. NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE ABOVE TWO OR MORE SAMPLES MUST BE FILLED IN BY THE LABORATORY.

SAMPLE MUST BE ENTERED BELOW		INFORMATION	
SAMPLED BY: <i>Jar. Hanks</i>		DATE	<i>Jun 16</i> <i>20 25</i>
PRINT NAME	<i>jessica hawkins</i>	DATE	<i>3:15pm</i>
RELINQUISHED:		DATE	<i>20</i>
SIGNATURE	<i>Jar. Hanks</i>	TIME	<i>2:15pm</i>

DISPOSAL:

PRECAUTIONS:

☐ RETURN SAMPLE TO CLIENT

USE (BLACK) INK

COMMENTS:



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Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT FILE No.
LOG NUMBER [53096]

pg 3 of 3
153098

CLIENT: STANTEC GS	CONTACT: JESSICA HAWKINS
ADDRESS: 737 BISHOP ST, SUITE 2050 HONOLULU, HI 96813	PHONE No.: 808-754-0126 Purchase Order No.: []

☐ RUSH
☐ SEE REVERSE
SPECIAL INSTRUCTIONS

SAMPLED										PRESERVATION
	☐	SAMPLE ID	DATE	TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES		
1	☒	Waiakea-1	6/16/15	1115	water	1	IOEXX	enterococci.		
2	☐									
3	☐									
4	☐									
5	☐									
6	☐									
7	☐									
8	☐									
9	☐									
10	☐									

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE. NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE SAMPLE MUST BE ENTERED BELOW. INFORMATION REQUESTED IN SHADED BOXES ABOVE TO BE FILLED IN BY THE LABORATORY.

SAMPLED BY: Jessica Hawkins	DATE 6/16/15
PRINT NAME Jessica Hawkins	TIME 3:50pm
RELINQUISHED:	DATE 6/16/15
SIGNATURE Jessica Hawkins	TIME 3:50pm
COMMENTS:	

RECEIVED BY:	DATE 20
SIGNATURE	TIME
RELINQUISHED:	DATE 20
SIGNATURE OR INITIALS	TIME

RECEIVED FOR LABORATORY:	DATE 6/16/15
SIGNATURE	TIME 20
RELINQUISHED:	DATE 20
SIGNATURE OR INITIALS	TIME

PRECAUTIONS:

DISPOSAL: 7.3 °C
Temperature at lab: 7.3 °C
Condition of samples on arrival at lab: good

USE (BLACK) INK



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Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT
FILE No.

LOG NUMBER

[053098]

CLIENT: Stantec GS

ADDRESS: 737 Bishop St, Suite 3050
Honolulu, HI 96813

CONTACT: Jessica Hawkins

PHONE No.: 808-754-0126

Purchase Order No.: []

☐ RUSH

☐ SEE REVERSE

SPECIAL INSTRUCTIONS

SAMPLED

10	9	8	7	6	5	4	3	2	1	SAMPLE ID	DATE	TIME	SAMPLE TYPE	CONTAINER(S)	REQUESTED ANALYSES	PRESERVATION
										WW-6	6-16-25	0930	water	1	IDEXX Enterococcus	

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE. NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE SAMPLE MUST BE ENTERED BELOW. INFORMATION REQUESTED IN SHADED BOXES ABOVE TO BE FILLED IN BY THE LABORATORY.

SAMPLED BY: Sydney Gabitzer	DATE: Jun 16 2025
PRINT NAME	
RELINQUISHED: Sydney Gabitzer	DATE: 6/14 2025
SIGNATURE	TIME: 1549

COMMENTS:

USE (BLACK) INK

RECEIVED BY:	DATE: 20__
SIGNATURE	TIME: 20__
RELINQUISHED:	DATE: 20__
SIGNATURE OR INITIALS	TIME: 20__

PRECAUTIONS:

RECEIVED FOR LABORATORY:	DATE: 6/16 2025
SIGNATURE	TIME: 1549
RELINQUISHED:	DATE: 20__
SIGNATURE OR INITIALS	TIME: 20__

DISPOSAL:

Temperature at lab: 17.8 °C (IR)

Condition of samples on arrival at lab: good, overhauled

Report with [53096]



Analytical Results Report For:

Stantec-GS

Project:

ADC Water Quality Monitoring

Anatek Work Order:

WFF0926

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client: Stantec-GS
Address: 737 Bishop St., Ste. 3050
Honolulu, HI 96813
Attn: Benjamin Berridge

Work Order: WFF0926
Project: ADC Water Quality Monitoring
Reported: 7/24/2025 17:21

Analytical Results Report

Sample Location: D-4
Lab/Sample Number: WFF0926-01 **Collect Date:** 06/16/25 09:45
Date Received: 06/19/25 13:54 **Collected By:**
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	9.10	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00179	mg/L	0.00100	7/21/25 18:16	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 13:24	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/23/25 22:42	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/23/25 22:42	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/23/25 22:42	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/23/25 22:42	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	90.6%		50-150	6/23/25 22:42	dmr	NWTPH-HCID	

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Sample Location: D-6
Lab/Sample Number: WFF0926-02 Collect Date: 06/16/25 09:35
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	80.2	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00194	mg/L	0.00100	7/21/25 18:22	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 13:27	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/23/25 23:39	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/23/25 23:39	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/23/25 23:39	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/23/25 23:39	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	92.4%		50-150	6/23/25 23:39	dmr	NWTPH-HCID	

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Sample Location: D-7
Lab/Sample Number: WFF0926-03 Collect Date: 06/16/25 09:05
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	44.2	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00102	mg/L	0.00100	7/21/25 18:25	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 13:30	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/24/25 0:35	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 0:35	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 0:35	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 0:35	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	92.5%		50-150	6/24/25 0:35	dmr	NWTPH-HCID	

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Sample Location: D-8
Lab/Sample Number: WFF0926-04 Collect Date: 06/16/25 08:35
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	4.50	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00509	mg/L	0.00100	7/21/25 18:27	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 13:34	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/24/25 1:31	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 1:31	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 1:31	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 1:31	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	58.1%		50-150	6/24/25 1:31	dmr	NWTPH-HCID	

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Sample Location: E-1
Lab/Sample Number: WFF0926-05 Collect Date: 06/16/25 11:30
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	27.4	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00113	mg/L	0.00100	7/21/25 18:55	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 13:44	JLG	EPA 245.1	
Semivolatiles							
Atrazine	ND	ug/L	0.0954	7/14/25 21:48	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0954	7/14/25 21:48	MAH	EPA 625.1	
Permethrin	ND	ug/L	0.477	7/14/25 21:48	MAH	EPA 625.1	
<i>Surrogate: Terphenyl-d14</i>	<i>105%</i>		<i>25-135</i>	<i>7/14/25 21:48</i>	<i>MAH</i>	<i>EPA 625.1</i>	
Diesel	ND	mg/L	0.0400	6/24/25 4:18	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 4:18	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 4:18	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 4:18	dmr	NWTPH-HCID	
<i>Surrogate: n-Hexacosane</i>	<i>81.9%</i>		<i>50-150</i>	<i>6/24/25 4:18</i>	<i>dmr</i>	<i>NWTPH-HCID</i>	

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Sample Location: E-1 Dup
Lab/Sample Number: WFF0926-06 Collect Date: 06/16/25 11:35
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	15.6	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00112	mg/L	0.00100	7/21/25 18:53	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:04	JLG	EPA 245.1	
Semivolatiles							
Atrazine	ND	ug/L	0.0958	7/14/25 22:16	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0958	7/14/25 22:16	MAH	EPA 625.1	
Permethrin	ND	ug/L	0.479	7/14/25 22:16	MAH	EPA 625.1	
Surrogate: Terphenyl-d14	122%		25-135	7/14/25 22:16	MAH	EPA 625.1	
Diesel	ND	mg/L	0.0400	6/24/25 5:14	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 5:14	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 5:14	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 5:14	dmr	NWTPH-HCID	
Surrogate: n-Hexacosane	84.3%		50-150	6/24/25 5:14	dmr	NWTPH-HCID	

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Sample Location: E-2
Lab/Sample Number: WFF0926-07 Collect Date: 06/16/25 09:30
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	3.10	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00568	mg/L	0.00100	7/21/25 18:29	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:07	JLG	EPA 245.1	
Semivolatiles							
Atrazine	ND	ug/L	0.0989	7/14/25 22:43	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0989	7/14/25 22:43	MAH	EPA 625.1	
Permethrin	ND	ug/L	0.495	7/14/25 22:43	MAH	EPA 625.1	
<i>Surrogate: Terphenyl-d14</i>	<i>126%</i>		<i>25-135</i>	<i>7/14/25 22:43</i>	<i>MAH</i>	<i>EPA 625.1</i>	
Diesel	ND	mg/L	0.0400	6/24/25 6:09	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 6:09	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 6:09	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 6:09	dmr	NWTPH-HCID	
<i>Surrogate: n-Hexacosane</i>	<i>80.0%</i>		<i>50-150</i>	<i>6/24/25 6:09</i>	<i>dmr</i>	<i>NWTPH-HCID</i>	

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Sample Location: WW-2
Lab/Sample Number: WFF0926-08 Collect Date: 06/16/25 10:00
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	31.8	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00224	mg/L	0.00100	7/21/25 18:50	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:11	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/24/25 7:05	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 7:05	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 7:05	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 7:05	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	90.5%		50-150	6/24/25 7:05	dmr	NWTPH-HCID	

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Sample Location: WW-3
Lab/Sample Number: WFF0926-09 Collect Date: 06/16/25 10:15
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	11.5	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00110	mg/L	0.00100	7/21/25 18:32	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:14	JLG	EPA 245.1	
Semivolatiles							
Atrazine	ND	ug/L	0.0979	7/14/25 23:11	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0979	7/14/25 23:11	MAH	EPA 625.1	
Permethrin	ND	ug/L	0.490	7/14/25 23:11	MAH	EPA 625.1	
<i>Surrogate: Terphenyl-d14</i>	<i>125%</i>		<i>25-135</i>	<i>7/14/25 23:11</i>	<i>MAH</i>	<i>EPA 625.1</i>	
Diesel	ND	mg/L	0.0400	6/24/25 8:01	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 8:01	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 8:01	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 8:01	dmr	NWTPH-HCID	
<i>Surrogate: n-Hexacosane</i>	<i>87.7%</i>		<i>50-150</i>	<i>6/24/25 8:01</i>	<i>dmr</i>	<i>NWTPH-HCID</i>	

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Sample Location: WW-6
Lab/Sample Number: WFF0926-10 Collect Date: 06/16/25 09:30
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	1.90	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	ND	mg/L	0.00100	7/21/25 18:34	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:17	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/24/25 22:43	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/24/25 22:43	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/24/25 22:43	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/24/25 22:43	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	83.6%		50-150	6/24/25 22:43	dmr	NWTPH-HCID	

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Sample Location: U-2/WW-5
Lab/Sample Number: WFF0926-11 Collect Date: 06/16/25 10:15
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	96.5	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	ND	mg/L	0.00100	7/21/25 18:36	JLG	EPA 200.8	
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:21	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/25/25 0:36	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/25/25 0:36	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/25/25 0:36	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/25/25 0:36	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	89.2%		50-150	6/25/25 0:36	dmr	NWTPH-HCID	

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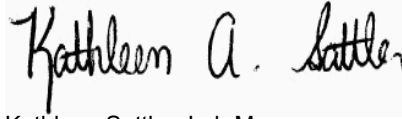
Sample Location: U-3/WW-4
Lab/Sample Number: WFF0926-12 Collect Date: 06/16/25 08:50
Date Received: 06/19/25 13:54 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	39.2	mg/L		6/20/25 11:45	EMG	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.000553	mg/L	0.00100	7/21/25 18:39	JLG	EPA 200.8	J
Mercury							
Mercury	ND	ug/L	0.100	6/25/25 14:24	JLG	EPA 245.1	
Semivolatiles							
Diesel	ND	mg/L	0.0400	6/25/25 1:32	dmr	NWTPH-HCID	
Gasoline	ND	mg/L	0.200	6/25/25 1:32	dmr	NWTPH-HCID	
Lube Oil	ND	mg/L	0.0400	6/25/25 1:32	dmr	NWTPH-HCID	
Mineral Oil	ND	mg/L	0.200	6/25/25 1:32	dmr	NWTPH-HCID	
Surrogate: <i>n</i> -Hexacosane	81.7%		50-150	6/25/25 1:32	dmr	NWTPH-HCID	

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Authorized Signature,



Kathleen Sattler, Lab Manager

J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Potential matrix effect
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

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Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF1008 - W Filtration										
Blank (BFF1008-BLK1)					Prepared & Analyzed: 06/20/25 11:45					
TSS	0.00			mg/L						
Blank (BFF1008-BLK2)					Prepared & Analyzed: 06/20/25 11:45					
TSS	0.00			mg/L						
LCS (BFF1008-BS1)					Prepared & Analyzed: 06/20/25 11:45					
TSS	102			mg/L	100		102	90-110		
Duplicate (BFF1008-DUP1)					Prepared & Analyzed: 06/20/25 11:45					
TSS	90.0		Source: WFF0926-11	mg/L		96.5			6.97	20
Matrix Spike (BFF1008-MS1)					Prepared & Analyzed: 06/20/25 11:45					
TSS	130	M1	Source: WFF0926-05	mg/L	200	27.4	51.3	80-120		
Matrix Spike Dup (BFF1008-MSD1)					Prepared & Analyzed: 06/20/25 11:45					
TSS	132	M1	Source: WFF0926-05	mg/L	200	27.4	52.3	80-120	1.53	20

Quality Control Data

Metals by ICP-MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF1091 - W 3010 Digest										
Blank (BFF1091-BLK1)					Prepared: 06/23/25 10:17- Analyzed: 07/21/25 18:09					
Arsenic	ND		0.00100	mg/L						
LCS (BFF1091-BS1)					Prepared: 06/23/25 10:17- Analyzed: 07/21/25 18:13					
Arsenic	0.0449		0.00100	mg/L	0.0500		89.9	85-115		
Matrix Spike (BFF1091-MS1)					Prepared: 06/23/25 10:17- Analyzed: 07/21/25 18:18					
Arsenic	0.0430		0.00100	mg/L	0.0500	0.00179	82.5	70-130		
Matrix Spike Dup (BFF1091-MSD1)					Prepared: 06/23/25 10:17- Analyzed: 07/21/25 18:20					
Arsenic	0.0444		0.00100	mg/L	0.0500	0.00179	85.3	70-130	3.18	20

Quality Control Data

Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF1162 - W 245.1 Digest										
Blank (BFF1162-BLK1)					Prepared: 06/24/25 12:56- Analyzed: 06/25/25 13:17					
Mercury	ND		0.100	ug/L						
LCS (BFF1162-BS1)					Prepared: 06/24/25 12:56- Analyzed: 06/25/25 13:07					

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Quality Control Data (Continued)

Mercury (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BFF1162 - W 245.1 Digest (Continued)

LCS (BFF1162-BS1)

Mercury 2.08 0.100 ug/L 2.00 104 85-115 Prepared: 06/24/25 12:56- Analyzed: 06/25/25 13:07

Matrix Spike (BFF1162-MS1)

Mercury 2.59 0.100 ug/L 2.50 ND 104 70-130 Source: WFF0926-05 Prepared: 06/24/25 12:56- Analyzed: 06/25/25 13:47

Matrix Spike (BFF1162-MS2)

Mercury 2.75 0.100 ug/L 2.50 ND 110 70-130 Source: AFF0079-01 Prepared: 06/24/25 12:56- Analyzed: 06/25/25 14:31

Matrix Spike Dup (BFF1162-MSD1)

Mercury 2.57 0.100 ug/L 2.50 ND 103 70-130 0.775 20 Source: WFF0926-05 Prepared: 06/24/25 12:56- Analyzed: 06/25/25 13:54

Matrix Spike Dup (BFF1162-MSD2)

Mercury 2.77 0.100 ug/L 2.50 ND 111 70-130 0.725 20 Source: AFF0079-01 Prepared: 06/24/25 12:56- Analyzed: 06/25/25 14:38

Quality Control Data (Continued)

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BFF1073 - W TPH-Dx

Blank (BFF1073-BLK1)

Lube Oil ND 0.0400 mg/L
Mineral Oil ND 0.200 mg/L
Gasoline ND 0.200 mg/L
Diesel ND 0.0400 mg/L
Surrogate: n-Hexacosane 0.0905 mg/L 0.100 90.3 50-150 Prepared: 06/23/25 10:00- Analyzed: 06/23/25 19:54

LCS (BFF1073-BS1)

Diesel 0.936 0.0400 mg/L 1.00 93.6 70-130
Surrogate: n-Hexacosane 0.0901 mg/L 0.100 90.0 50-150 Prepared: 06/23/25 10:00- Analyzed: 06/23/25 20:50

LCS Dup (BFF1073-BSD1)

Diesel 0.941 0.0400 mg/L 1.00 94.1 70-130 0.511 20
Surrogate: n-Hexacosane 0.0925 mg/L 0.100 92.3 50-150 Prepared: 06/23/25 10:00- Analyzed: 06/23/25 21:46

Matrix Spike (BFF1073-MS1)

Diesel 0.732 0.0400 mg/L 1.00 ND 73.2 70-130
Surrogate: n-Hexacosane 0.0748 mg/L 0.100 74.6 50-150 Source: WFF0926-05 Prepared: 06/23/25 10:00- Analyzed: 06/24/25 02:27

Matrix Spike Dup (BFF1073-MSD1)

Diesel 0.877 0.0400 mg/L 1.00 ND 87.7 70-130 18.0 20
Surrogate: n-Hexacosane 0.0711 mg/L 0.100 71.0 50-150 Source: WFF0926-05 Prepared: 06/23/25 10:00- Analyzed: 06/24/25 03:23

Batch: BFF1076 - SVOC Water

Blank (BFF1076-BLK1)

Prepared: 06/23/25 09:09- Analyzed: 07/14/25 21:21

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BFF1076 - SVOC Water (Continued)

Blank (BFF1076-BLK1)

Prepared: 06/23/25 09:09- Analyzed: 07/14/25 21:21

Metolachlor	ND		0.100	ug/L						
Atrazine	ND		0.100	ug/L						
Permethrin	ND		0.500	ug/L						
Surrogate: Terphenyl-d14			28.9	ug/L	25.0		116	25-135		

LCS (BFF1076-BS1)

Prepared: 06/23/25 09:09- Analyzed: 07/14/25 19:56

Metolachlor	4.71		0.100	ug/L	5.00		94.2	60-125		
Atrazine	4.68		0.100	ug/L	5.00		93.6	60-125		
Surrogate: Terphenyl-d14			S4	34.8	ug/L	25.0	139	25-135		

Matrix Spike (BFF1076-MS1)

Source: WFF0926-05

Prepared: 06/23/25 09:09- Analyzed: 07/14/25 20:25

Metolachlor	4.61		0.100	ug/L	5.00	ND	92.2	40-140		
Atrazine	4.60		0.100	ug/L	5.00	ND	92.0	40-140		
Surrogate: Terphenyl-d14			S4	34.8	ug/L	25.0	139	60-130		

Matrix Spike Dup (BFF1076-MSD1)

Source: WFF0926-05

Prepared: 06/23/25 09:09- Analyzed: 07/14/25 20:53

Metolachlor	4.65		0.100	ug/L	5.00	ND	93.0	40-140	0.864	40
Atrazine	4.62		0.100	ug/L	5.00	ND	92.4	40-140	0.434	40
Surrogate: Terphenyl-d14			S4	33.9	ug/L	25.0	135	60-130		

Batch: BFF1195 - W TPH-Dx

Blank (BFF1195-BLK1)

Prepared: 06/24/25 09:30- Analyzed: 06/24/25 21:47

Lube Oil	ND		0.0400	mg/L						
Mineral Oil	ND		0.200	mg/L						
Gasoline	ND		0.200	mg/L						
Diesel	ND		0.0400	mg/L						
Surrogate: n-Hexacosane			0.0872	mg/L	0.100		87.1	50-150		

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF1195 - W TPH-Dx (Continued)										
LCS (BFF1195-BS1)										
					Prepared: 06/24/25 09:30- Analyzed: 06/25/25 02:28					
Diesel	0.796		0.0400	mg/L	1.00		79.6	70-130		
<i>Surrogate: n-Hexacosane</i>			<i>0.0906</i>	<i>mg/L</i>	<i>0.100</i>		<i>90.4</i>	<i>50-150</i>		
LCS Dup (BFF1195-BSD1)										
					Prepared: 06/24/25 09:30- Analyzed: 06/25/25 03:24					
Diesel	0.812		0.0400	mg/L	1.00		81.2	70-130	2.03	20
<i>Surrogate: n-Hexacosane</i>			<i>0.0889</i>	<i>mg/L</i>	<i>0.100</i>		<i>88.7</i>	<i>50-150</i>		
Duplicate (BFF1195-DUP1)										
			Source: WFF0926-10		Prepared: 06/24/25 09:30- Analyzed: 06/24/25 23:40					
Lube Oil	ND		0.0400	mg/L		ND				200
Mineral Oil	ND		0.200	mg/L		ND				200
Gasoline	ND		0.200	mg/L		ND				200
Diesel	ND		0.0400	mg/L		ND				200
<i>Surrogate: n-Hexacosane</i>			<i>0.0906</i>	<i>mg/L</i>	<i>0.100</i>		<i>90.4</i>	<i>50-150</i>		



Due: 07/03/25

Anatek Labs, Inc.



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

Anatek Log-In #

Company Name: Stantec GS				Project Manager: Benjamin Berridge				Turn Around Time & Reporting					
Address: 737 Bishop St Suite 3050				Project Name & #: ADC Water Quality Monitoring				Please refer to our normal turn around times at: http://www.anateklabs.com/services/guidelines/reporting.asp					
City: Honolulu State: HI Zip: 96813				Email Address: benjamin.berridge@stantecgs.com				☐ Normal ☐ *All rush order requests must be prior approved. ☐ Next Day* ☐ Mail ☐ 2nd Day* ☐ Fax ☐ Other* ☐ Email					
Phone: (808) 476-0067				Purchase Order #:									
Fax:				Sampler Name & phone:									
Provide Sample Description				List Analyses Requested				Note Special Instructions/Comments					
Storm water samples				Preservative: ☐ TSS EPA 160.2 ☐ TPH HClID - SW 846 MOD 8015 ☐ **TPH GRO SW846M8015 ☐ Arsenic EPA 200.8 ☐ Mercury EPA 245.1 ☐ Pesticides EPA 625 SIM Permethrin, atrazine, metolchlor ☐ Parquat Dichloride EPA				**Please do not conduct TPH GRO analysis until Stantec confirms it should be run. DUP 1 6-44 HCl 9-44 received with headspace WW-6 6-44 HCl received with headspace E-1 HCl 6-44 received with headspace					
Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	TSS EPA 160.2	TPH HClID - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1	Pesticides EPA 625 SIM Permethrin, atrazine, metolchlor	Parquat Dichloride EPA	
3	D-4	6-16-2025 / 9:45 HST	W	5		x	x	x	x	x			MS/MSD volume provided for site E-1
2	D-6	6-16-2025 / 9:35 HST	W	5		x	x	x	x	x			
2	D-7	6-16-2025 / 9:05 HST	W	5		x	x	x	x	x			
2	D-8	6-16-2025 / 8:35 HST	W	5		x	x	x	x	x			
1	E-1	6-16-2025 / 11:30 HST	W	7		x	x	x	x	x	x	x	
1	E-1 DUP	6-16-2025 / 11:35 HST	W	7		x	x	x	x	x	x	x	
3	E-2	6-16-2025 / 9:30 HST	W	7		x	x	x	x	x	x	x	
4	WW-2	6-16-2025 / 10:00 HST	W	5		x	x	x	x	x			
3	WW-3	6-16-2025 / 10:15 HST	W	7		x	x	x	x	x	x	x	
1	WW-6	6-16-2025 / 9:30 HST	W	5		x	x	x	x	x			
2	U-2/WW-5	6-16-2025 / 10:15 HST	W	5		x	x	x	x	x			
4	U-3/WW-4	6-16-2025 / 8:50 HST	W	5		x	x	x	x	x			
Printed Name		Signature		Company		Date							
Relinquished by		Sydney Gabitzer		Stantec GS		6-17-2025							
Received by		Sora Skinner		Anatek		6-19-25							
Relinquished by													
Received by													
Relinquished by													
Received by													
Inspection Checklist Received Intact? Y N Labels & Chains Agree? Y N Containers Sealed? Y N VOC Head Space? Y N Temperature (°C): 3.9/4.0°C 01608 cooler 1													
Preservative: _____													
Date & Time: _____ Inspected By: _____													

Form COC0 1.00 - 4545D - cooler 4

3.9/4.0 01608 cooler 1
-1.0/-0.9 01605 cooler 2
0.0/0.1 01605 cooler 3
-1.6/-1.5 01605 cooler 4



Anatek Labs, Inc.

Sample Receipt and Preservation Form

WFF0926



Due: 07/03/25

Client Name: Stan Tec Project: _____ (apply Anatek sample label here)TAT: Normal RUSH: _____ daysSamples Received From: PedEx UPS USPS Client Courier Other: _____Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/ANumber of Coolers/Boxes: 4 coolers Type of Ice: Ice/Ice Packs Blue Ice Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts None Other: _____Cooler Temp As Read (°C): #1 3.9 Cooler Temp Corrected (°C): #2 -0.9 Thermometer Used: _____Samples Received Intact? Yes No N/AChain of Custody Present? Yes No N/ASamples Received Within Hold Time? Yes No N/ASamples Properly Preserved? Yes No N/AVOC Vials Free of Headspace (<6mm)? Yes No N/AVOC Trip Blanks Present? Yes No N/ALabels and Chains Agree? Yes No N/ATotal Number of Sample Bottles Received: 68Chain of Custody Fully Completed? Yes No N/ACorrect Containers Received? Yes No N/AAnatek Bottles Used? Yes No Unknown

Record preservatives (and lot numbers, if known) for containers below:

H2SO4 2500873C2HCl 2404510C2 2403362HCl 2403362C2pH 25000012

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: _____ Date/Time: 6/19/25 13:54



BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AIF3123

7/09/2025

Invoice: AI18336

Brock Gerger
Anatek Labs Inc, Spokane WA
504 E. Sprague Ave. #D
Spokane, WA 99202

RE: Report for AIF3123 Subcontract Analytical Testing

Dear Brock Gerger,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 6/24/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Michelle Croft, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Michelle Croft, Supervisor III - Project Management



Accredited in Accordance with NELAP
ORELAP #4021

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.

AIF3123 FINAL 07092025 1622

Case Narrative

Project and Report Details		Invoice Details
Client:	Anatek Labs Inc, Spokane WA	Invoice To: Anatek Labs Inc, Spokane WA
Report To:	Brock Gerger	Invoice Attn: Brock Gerger
Project #:	Subcontract Analytical Testing - WFF0926	Project PO#: -
Received:	6/24/2025 - 11:13	
Report Due:	7/09/2025	

Sample Receipt Conditions

Cooler: Default Cooler	Containers Intact
Temperature on Receipt °C: 13.7	COC/Labels Agree
	Received On Blue Ice
	Packing Material - Foam
	Initial receipt at BSK-FAL

Detailed Narrative**Chain of Custody Notes****Date:** 06/25/2025**Initials:** MKC**Note:** Authorization to report out of holding time, as per Brock Gerger.**Data Qualifiers****The following qualifiers have been applied to one or more analytical results:**

HT1.0 Holding time exceeded. Sample was received at the lab past holding time.

Report Distribution

Recipient(s)	Report Format	CC:
Brock Gerger	FINAL.RPT	mcroft@bskassociates.com;emilyw@anateklabs.com



AIF3123

Subcontract Analytical Testing

Subcontract Analytical Testing - WFF0926

Certificate of Analysis

Sample ID: AIF3123-01

Sampled By: Client

Sample Description: WFF0926-05 // E-1

Sample Date - Time: 06/16/2025 - 11:30

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Diquat and Paraquat by HPLC</u>									
Paraquat	EPA 549.2	ND	2.4	ug/L	3.0	AIF1831	06/25/25	07/02/25	HT1.0



AIF3123

Subcontract Analytical Testing

Subcontract Analytical Testing - WFF0926

Certificate of Analysis

Sample ID: AIF3123-02

Sampled By: Client

Sample Description: WFF0926-06 // E-1 Dup

Sample Date - Time: 06/16/2025 - 11:35

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Diquat and Paraquat by HPLC</u>									
Paraquat	EPA 549.2	ND	2.5	ug/L	3.1	AIF1831	06/25/25	07/02/25	HT1.0



AIF3123

Subcontract Analytical Testing

Subcontract Analytical Testing - WFF0926

Certificate of Analysis

Sample ID: AIF3123-03

Sampled By: Client

Sample Description: WFF0926-07 // E-2

Sample Date - Time: 06/16/2025 - 09:30

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Diquat and Paraquat by HPLC</u>									
Paraquat	EPA 549.2	ND	1.5	ug/L	1.9	AIF1831	06/25/25	07/02/25	HT1.0



AIF3123

Subcontract Analytical Testing

Subcontract Analytical Testing - WFF0926

Certificate of Analysis

Sample ID: AIF3123-04

Sampled By: Client

Sample Description: WFF0926-09 // WW-3

Sample Date - Time: 06/16/2025 - 10:15

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Diquat and Paraquat by HPLC</u>									
Paraquat	EPA 549.2	ND	1.6	ug/L	2.0	AIF1831	06/25/25	07/02/25	HT1.0



AIF3123

Subcontract Analytical Testing

BSK Associates Laboratory Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 549.2 - Quality Control

Batch: AIF1831

Prepared: 6/25/2025

Prep Method: EPA 549.2

Analyst: MXT

Blank (AIF1831-BLK1)

Paraquat	ND	0.80	ug/L							07/02/25	
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Blank Spike (AIF1831-BS1)

Paraquat	1.7	0.80	ug/L	2.0	ND	87	70-130			07/02/25	
----------	-----	------	------	-----	----	----	--------	--	--	----------	--

Blank Spike Dup (AIF1831-BSD1)

Paraquat	1.7	0.80	ug/L	2.0	ND	84	70-130	4	30	07/02/25	
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Matrix Spike (AIF1831-MS1), Source: AIF3123-01

Paraquat	3.1	3.1	ug/L	3.9	ND	80	70-130			07/02/25	
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Matrix Spike Dup (AIF1831-MSD1), Source: AIF3123-01

Paraquat	3.2	2.2	ug/L	3.9	ND	82	70-130	1	30	07/02/25	
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Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis**Definitions**

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

****NA****

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Bakersfield

State of California - ELAP 1180-S3

Fresno

State of California - ELAP 1180

Los Angeles CSD 9254479

State of Nevada NV-C24-00233

EPA UCMR5 CA00079

State of Hawaii 4021

NELAP certified 4021-024

State of Oregon - NELAP 4021-024

State of Washington C997-25

Sacramento

State of California - ELAP 1180-S1

San Bernardino

State of California - ELAP 1180-S2

NELAP certified 4119-009

Los Angeles CSD 9254478

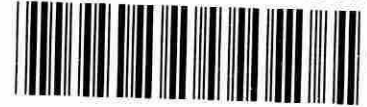
State of Oregon - NELAP 4119-009

Vancouver

NELAP certified WA100008-020

State of Washington C824-24

State of Oregon - NELAP WA100008-020



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Sample Integrity

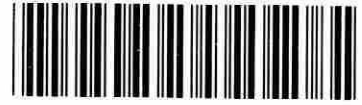
BSK Bottles: Yes No Page 1 of 1

COC Info		Yes	No	NA	Were correct containers and preservatives received for the tests requested?		Yes	No
Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		Yes	No	NA	Bubbles Present VOAs (524.2/TTHM/TCP)?		Yes	No
If samples were taken today, is there evidence that chilling has begun?		Yes	No	NA	TB Received? (Check Method Below)		Yes	No
Did all bottles arrive unbroken and intact?		Yes	No		Was a sufficient amount of sample received?		Yes	No
Did all bottle labels agree with COC?		Yes	No		Do samples have a hold time < 72 hours?		Yes	No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes	NA		Was PM notified of discrepancies? PM: <u>M. Chen</u> dt: <u>6-24-25</u> email <u>scan</u> copy		Yes	No
250ml(A) 500ml(B) 1Liter(C) 40ml/VOA(V) 125ml(D)		Checks*	Passed?		1-24 2-4			
Bacti $\text{Na}_2\text{S}_2\text{O}_3$		—	—		31D 1D			
None (P) White Label		—	—					
Cr6 (P) Lt. Green Label/Blue Cap $\text{NH}_4\text{OH}/(\text{NH}_4)_2\text{SO}_4$ DW		Cl, pH > 8	P F					
Cr6 (P) Pink Label/Blue Cap $\text{NH}_4\text{OH}/(\text{NH}_4)_2\text{SO}_4$ WW		pH 9.3-9.7	P F					
Cr6 (P) Black Label/Blue Cap $\text{NH}_4\text{OH}/(\text{NH}_4)_2\text{SO}_4$ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5	P F					
HNO ₃ (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label		—	—					
H ₂ SO ₄ (P) or (AG) Yellow Label		pH < 2	P F					
NaOH (P) Green Cap/Label		Cl, pH > 10	P F					
NaOH + ZnAc (P)		pH > 9	P F					
Dissolved Oxygen 300ml (g)		—	—					
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270		—	—					
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—	—					
Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525		—	—					
Na ₂ SO ₃ 250mL (AG) Neon Green Label 515		—	—					
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—	—					
Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524		—	—					
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—	—					
Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531		pH < 3	P F					
NH ₄ Cl (AG) Purple Label 552		—	—					
EDA (P) or (AG) Brown Label DBPs		—	—					
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—	—					
Buffer pH 4 (CG)		—	—					
H ₃ PO ₄ (CG) Salmon Label		—	—					
Trizma - EPA 537.1 Light Blue Label FB		—	—					
Ammonia Acetate - EPA 533 Purple Label FB		—	—					
Bottled Water		—	—					
Clear Glass: Jar / VOA		—	—					
OTHER:		—	—					
OTHER:		—	—					
Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation	Check	
	S P					pH Lot #		
Comments	*Preservation check completed by lab performing analysis.				✓ Indicates Blanks Received			
	Received U 125ml p none. Temp 13.2 need clarification of Analysis - krc Proceed with limited volume.				504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP ___			
Labeled by:				Checked by:				✓ MS/MSD Received Method: _____

Scanned: Sn Rush/Short HT Page: _____ Time: _____

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 8832839 - Fax (208) 8829246 - email mosco
 504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com



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Sending Laboratory:

Anatek Labs, Inc.- Spokane
 504 E Sprague Ave, Suite D
 Spokane, WA 99202
 Phone: 509-838-3999
 Fax: 509-838-4433

Project Manager: Brock Gerger
 spokane@anateklabs.com

Subcontracted Laboratory:

BSK Associates- Fresno
 687 N. Laverne Ave
 Fresno, CA 93727
 Phone: (360) 750-0055
 Fax:

Work Order: WFF0926

Analysis	Due	Expires	Comments
Lab Sample ID: WFF0926-05 Water Sampled: 06/16/2025 11:30			
Client Sample Name: E-1 MS/MSD			
Sub-Paraquat Dichloride	07/01/2025	06/30/2025 14:30	
Containers Supplied:			
Lab Sample ID: WFF0926-06 Water Sampled: 06/16/2025 11:35			
Client Sample Name: E-1 Dup			
Sub-Paraquat Dichloride	07/01/2025	06/30/2025 14:35	
Containers Supplied:			
Lab Sample ID: WFF0926-07 Water Sampled: 06/16/2025 09:30			
Client Sample Name: E-2			
Sub-Paraquat Dichloride	07/01/2025	06/30/2025 12:30	
Containers Supplied:			
Lab Sample ID: WFF0926-09 Water Sampled: 06/16/2025 10:15			
Client Sample Name: WW-3			
Sub-Paraquat Dichloride	07/01/2025	06/30/2025 13:15	
Containers Supplied:			

Temp °C 13.7

Thermometer # 83

Released By

Date

Received By

Date

Starting sequence Mon Jul 14 16:05:45 2025

Instrument Name: MSD4

Sequence File: T:\DATA1\MSD4\SEQUENCES\2024\071425.S

Comment: 625 8270

Operator: MAH

Data Path: T:\DATA1\MSD4\2025\JUL\14C\

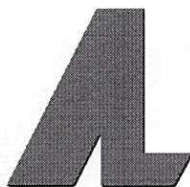
Method Path: C:\MSDCHEM\1\METHODS\

Line Type	Vial	DataFile	Method	Sample Name
1) Sample	52	05201001	CARDSIM	CARD RT
2) Sample	1	00101002	SVOCT1	SYS
3) Sample	2	00201003	CARDSIM	CARD 10 PPM
4) Sample	3	00301004	CARDSIM	CARD 5 PPM
5) Sample	4	00401005	CARDSIM	CARD 1 PPM
6) Sample	5	00501006	CARDSIM	CARD 0.5 PPM
7) Sample	6	00601007	CARDSIM	CARD 0.1 PPM
8) Sample	7	00701008	CARDSIM	CARD 0.05 PPM
9) Sample	11	01101009	CARDSIM	BFF1076-BS1
10) Sample	12	01201010	CARDSIM	BFF1076-MS1
11) Sample	13	01301011	CARDSIM	BFF1076-MSD1
12) Sample	14	01401012	CARDSIM	BFF1076-BLK1
13) Sample	15	01501013	CARDSIM	WFF0926-05
14) Sample	16	01601014	CARDSIM	WFF0926-06
15) Sample	17	01701015	CARDSIM	WFF0926-07
16) Sample	18	01801016	CARDSIM	WFF0926-09

Sequence completed Mon Jul 14 23:31:45 2025

T:\DATA1\MSD4\2025\JUL\14C\2025 Jul 14 1605 Quality Log.LOG

T:\DATA1\MSD4\2025\JUL\14C\2025 Jul 14 1605 Sequence Log .LOG



Anatek Labs, Inc

1282 Alturas Drive
Moscow, ID 83843

1,4-Dioxane Cal. Standard Prep. Form

Method: EPA 625.1/8270D

IS/Surrogate Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
CLP B/N Surrogate	2403403	9/25	1000
CLP Internal Standard	2501262	4/26	2000

Target Compound Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
Metolachlor	2302539	12/27	1000
Atrazine	2302537	10/27	1000
Permethrin	2400875	8/28	1000

Calibration Dilution Template

Desired Concentration (ppm)	Stock Concentration (ppm) **	uL Standard Added	Final Volume (uL)
10	100	100	1000
5	100	50	1000
1.0	100	10	1000
0.5	100	5	1000
0.1	100	1	1000
0.05	100	0.5	1000

Calibration made from target compound standards in the table. 25 uL of surrogate and 10 uL of IS stock added to each standard point. Dilutions were made in MeCl₂ (2403536).

Response Factor Report MSD4

Method Path : T:\Data1\MSD4\METHODS\2025\
Method File : Cardo-071425.M
Title : EPA 8270D - GC MSD4
Last Update : Tue Jul 15 08:47:22 2025
Response Via : Initial Calibration

Calibration Files

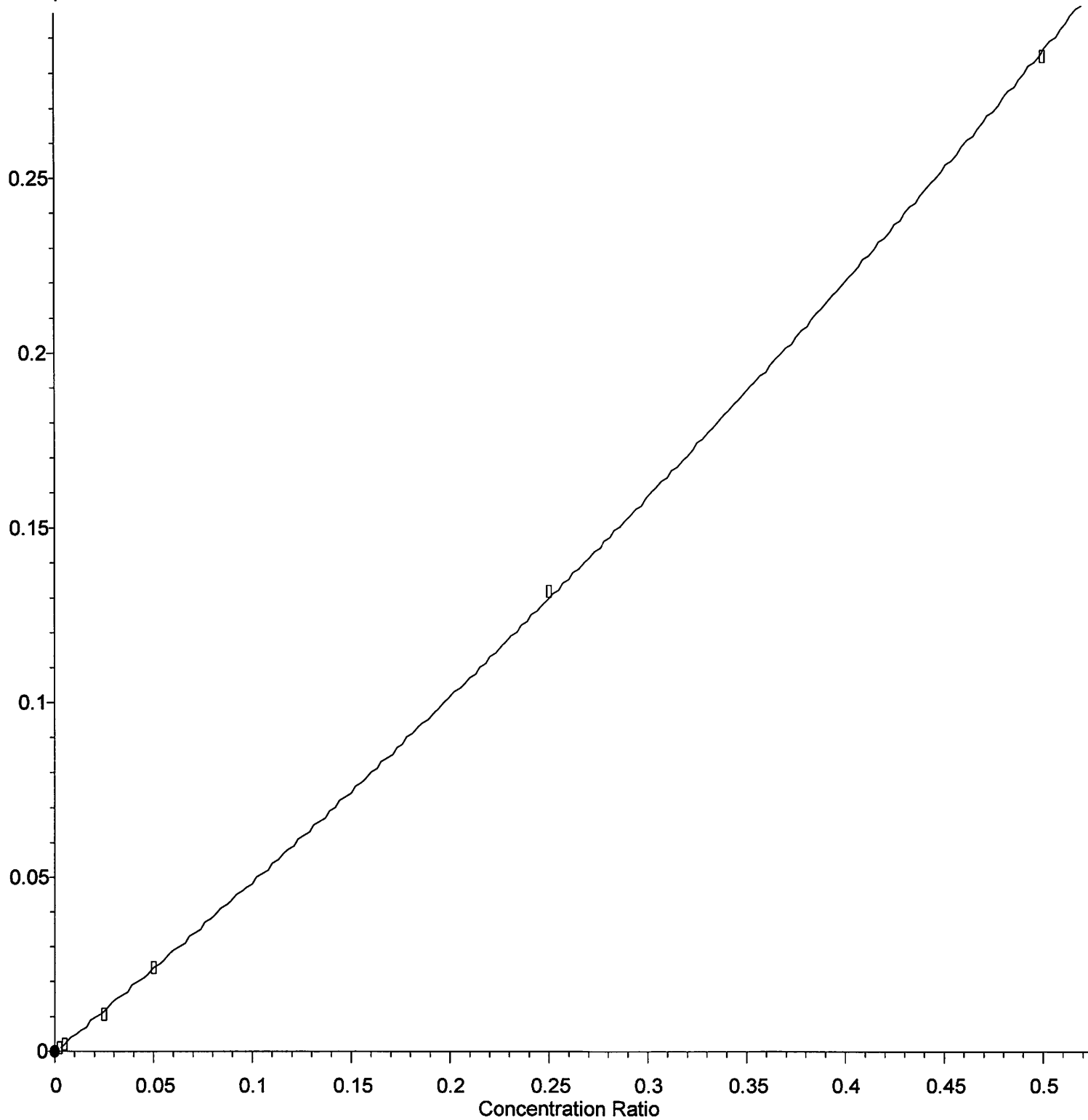
0.05=00701008.D 10 =00201003.D 5 =00301004.D 1 =00401005.D 0.5 =00501006.D 0.1 =00601007.D

Compound	0.05	10	5	1	0.5	0.1	Avg	%RSD
1) I Acenaphthene-d10	-----ISTD-----							
2) Atrazine	0.430	0.568	0.527	0.481	0.427	0.416	0.475	13.02
3) Metolachlor	0.861	1.139	1.075	0.978	0.845	0.830	0.954	13.70
4) I Chrysene-d12	-----ISTD-----							
5) S Terphenyl-d14	1.349	1.300	1.283	1.373	1.293	1.367	1.328	3.01
6) Permerthins	1.798	0.670	0.591	0.476	0.378	0.332	0.708	77.61

(#) = Out of Range

Atrazine

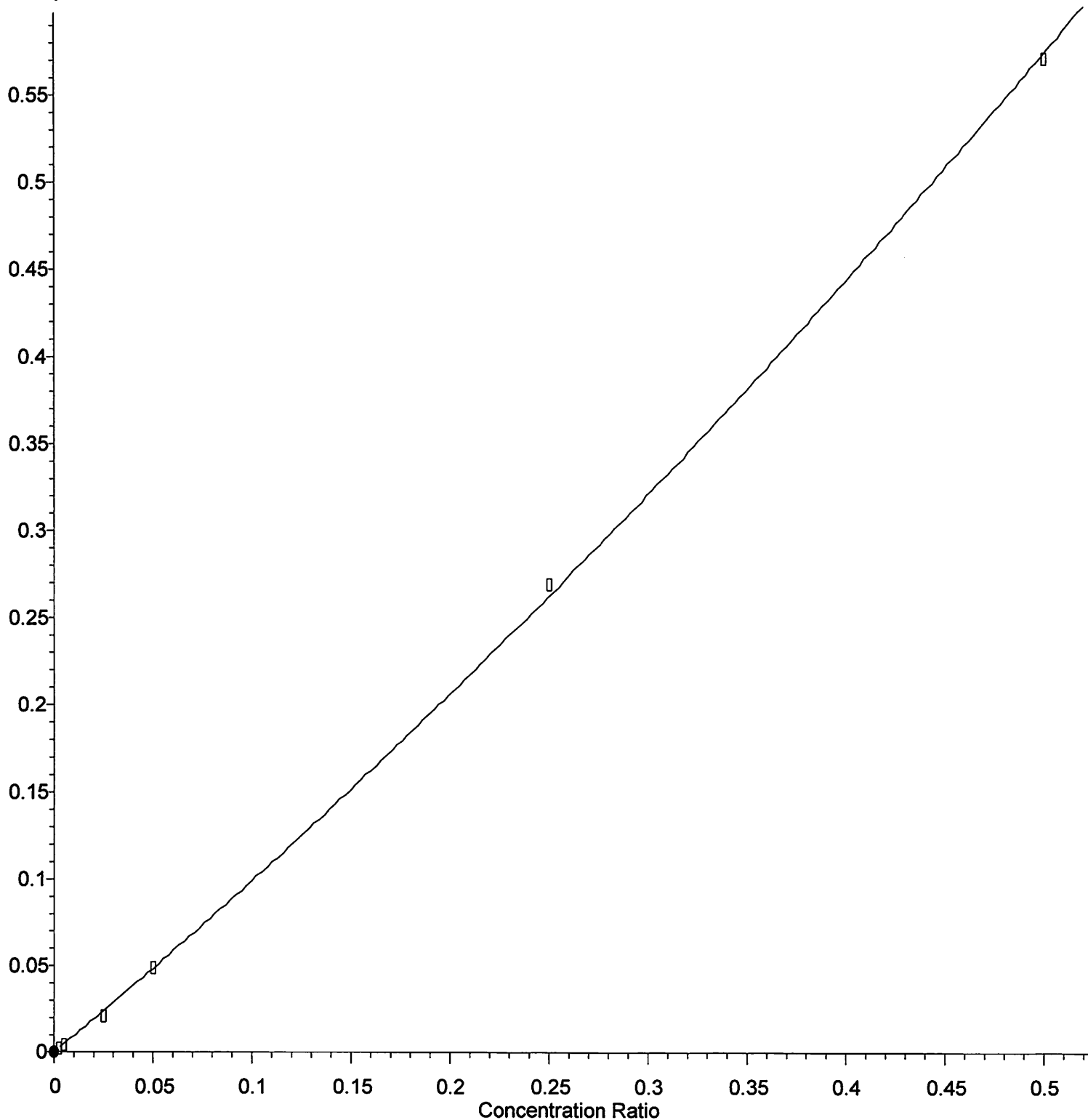
Response Ratio



$R = 2.09e-001 A^2 + 4.65e-001 A + 0.00e+000$
 Coef of Det (r^2) = 1.000 Curve Fit: Quad w(1/a)/(0,0)
 Method Name: T:\Data1\MSD4\METHODS\2025\Cardo-071425.M
 Calibration Table Last Updated: Tue Jul 15 08:44:59 2025

Metolachlor

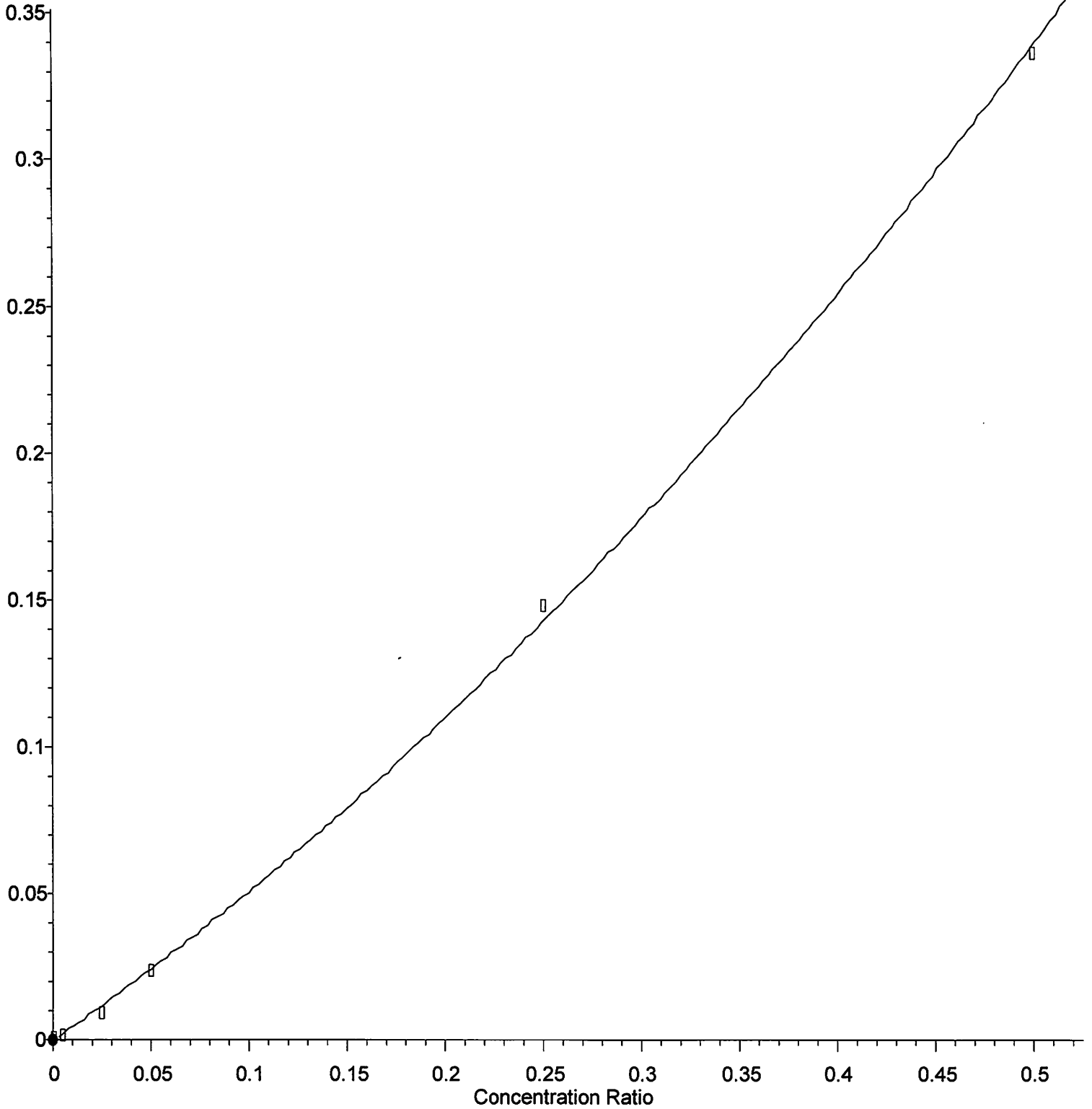
Response Ratio



$R = 3.86e-001 A^2 + 9.52e-001 A + 0.00e+000$
 Coef of Det (r^2) = 0.999 Curve Fit: Quad w(1/a)/(0,0)
 Method Name: T:\Data1\MSD4\METHODS\2025\Cardo-071425.M
 Calibration Table Last Updated: Tue Jul 15 08:44:59 2025

Permerthins

Response Ratio



$R = 4.23e-001 A^2 + 4.64e-001 A + 0.00e+000$
 Coef of Det (r^2) = 0.998 Curve Fit: Quad w(1/a)/(0,0)
 Method Name: T:\Data1\MSD4\METHODS\2025\Cardo-071425.M
 Calibration Table Last Updated: Tue Jul 15 08:44:59 2025

PREPARATION BENCH SHEET

Organics

BFF1076

Matrix: Water

Prepared using: SVOC - SVOC Water

Analyses

SVOC 625 MISC

Spiking Solution(s)

2500040 Cardno Spk 100

Surrogate Solution(s)

2403403 CLP B/N 1000
2403404 CLP Acid Surr 2000

Analysis	Lab Number	Sample and Source ID	Date Due	Extract by	Prepared - By	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
QC	BFF1076-BLK1	Blank			6/23/25 9:09 MAH	1000	1		25	
QC	BFF1076-BS1	LCS			6/23/25 9:09 MAH	1000	1	50	25	
QC	BFF1076-MS1	Matrix Spike [WFF0926-05]			6/23/25 9:09 MAH	1000	1	50	25	
QC	BFF1076-MSD1	Matrix Spike Dup [WFF0926-05]			6/23/25 9:09 MAH	1000	1	50	25	
SVOC 625 MISC	WFF0926-05	E-1	07/01/2025	06/23/2025	6/23/25 9:09 MAH	1048	1		25	
SVOC 625 MISC	WFF0926-06	E-1 Dup	07/01/2025	06/23/2025	6/23/25 9:09 MAH	1044	1		25	
SVOC 625 MISC	WFF0926-07	E-2	07/01/2025	06/23/2025	6/23/25 9:09 MAH	1011	1		25	
SVOC 625 MISC	WFF0926-09	WW-3	07/01/2025	06/23/2025	6/23/25 9:09 MAH	1021	1		25	

Reagents

Standard	Description	LotNum
2001342	pH paper	60775
2303363	Sulfuric Acid	80621
2403410	CLP I.S. Spike 2000	061422
2500949	Acetone HPLC Grade	64297
2502116	Dichloromethane	65066

Batch Comments:

Acidic start/stop time: 3PM- 8AM
Basic start/stop time: 8AM-3PM
Instrument: 7890/5975 GCMS
Ext. Method: 3520C liq-liq
TurboVap: 01
Balance: 04

Analyst: 

Date

Run Date: 7-14-25

Date

Internal Standard ICal Average Responses	71425 CARDNO (method)
---	--------------------------

	1,4 Dichlorobenzene-d4	Naphthalene-d8	Acenaphthene-d10	Phenanthrene-d10	Chrysene-d12	Perylene-d12
0.05			25488595.13		19478408.4	
10			23991401.49		18622841	
5			21259655.47		16941698.24	
1			23818072.56		17569346.52	
0.5			24214140.72		18044961.66	
0.1			22972853.49		17432770.25	
Average	#DIV/0!	#DIV/0!	23624120	#DIV/0!	18015004	#DIV/0!

50%	#DIV/0!	#DIV/0!	11812060	#DIV/0!	9007502	#DIV/0!
150%	#DIV/0!	#DIV/0!	35436180	#DIV/0!	27022507	#DIV/0!

Analyst: MAH

Data Path : T:\Data1\MSD4\2025\JUL\14C\
 Data File : 00101003.D
 Acq On : 14 Jul 2025 2:35 pm
 Operator : MAH
 Sample : SYS
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

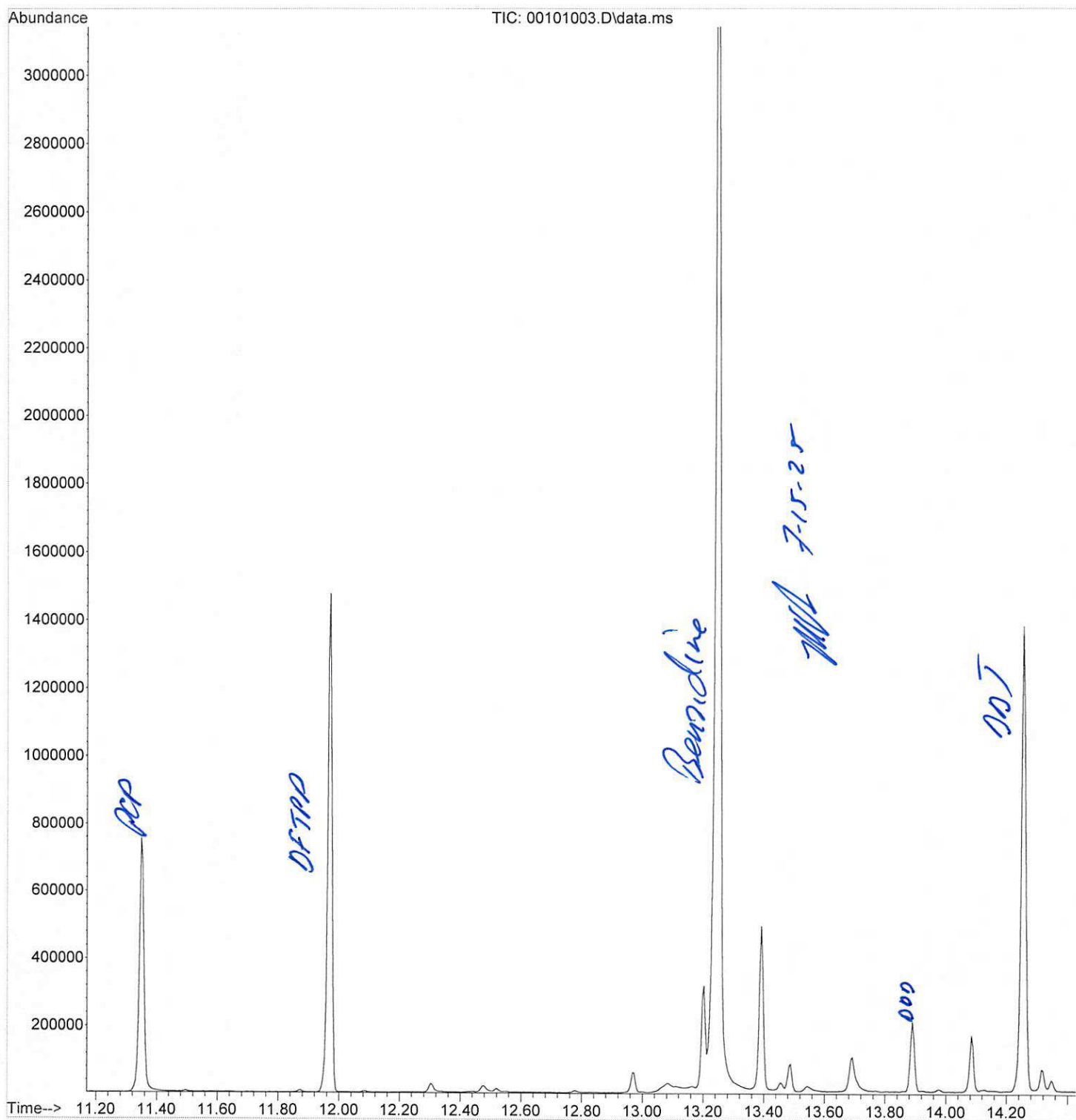
Method : T:\Data1\MSD4\METHODS\2025\BNA-0713.M
 Title : EPA 8270D / EPA 625.1 - MSD4
 Last Update : Mon Jul 14 10:26:50 2025

AutoFind: Scans 1925, 1926, 1927; Background Corrected with Scan 1916
 AUTOFIND via AUTOINTEGRATE

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	30	60	40.3	51561	PASS
68	69	0.00	2	1.6	849	PASS
70	69	0.00	2	0.5	283	PASS
127	198	10	80	53.0	67811	PASS
197	198	0.00	2	0.4	468	PASS
198	198	100	100	100.0	127872	PASS
199	198	5	9	6.8	8698	PASS
275	198	10	60	29.5	37779	PASS
365	198	1	100	4.9	6267	PASS
441	443	0.01	150	74.6	19100	PASS
442	198	30	200	102.1	130512	PASS
443	442	15	24	19.6	25616	PASS

BNA-0713.M Tue Jul 15 08:19:06 2025

File : T:\Data1\MSD4\2025JUL\14C\00101003.D
Operator : MAH
Acquired : 14 Jul 2025 2:35 pm using AcqMethod SVOCT1.M
Instrument : MSD4
Sample Name: SYS
Misc Info :
Vial Number: 1



Data Path : T:\Data1\MSD4\2025\JUL\14C\
Data File : 00101003.D
Acq On : 14 Jul 2025 2:35 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: autoint1.e
Integrator: ChemStation

Method : T:\Data1\MSD4\METHODS\2025\BNA-0713.M
Title : EPA 8270D / EPA 625.1 - MSD4

Signal : TIC: 00101003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total	
1	13.890	2337	2342	2349	M	206272	2005417	13.86%	12.174%	DDD
2	14.254	2412	2421	2428	M	1376082	14468125	100.00%	87.826%	DDT

Sum of corrected areas: 16473542

BNA-0713.M Tue Jul 15 08:39:09 2025

Quantitation Report (Qedit)

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00101003.D

Acq On : 14 Jul 2025 2:35 pm

Operator : MAH

Sample : SYS

Misc :

ALS Vial : 1 Sample Multiplier: 1

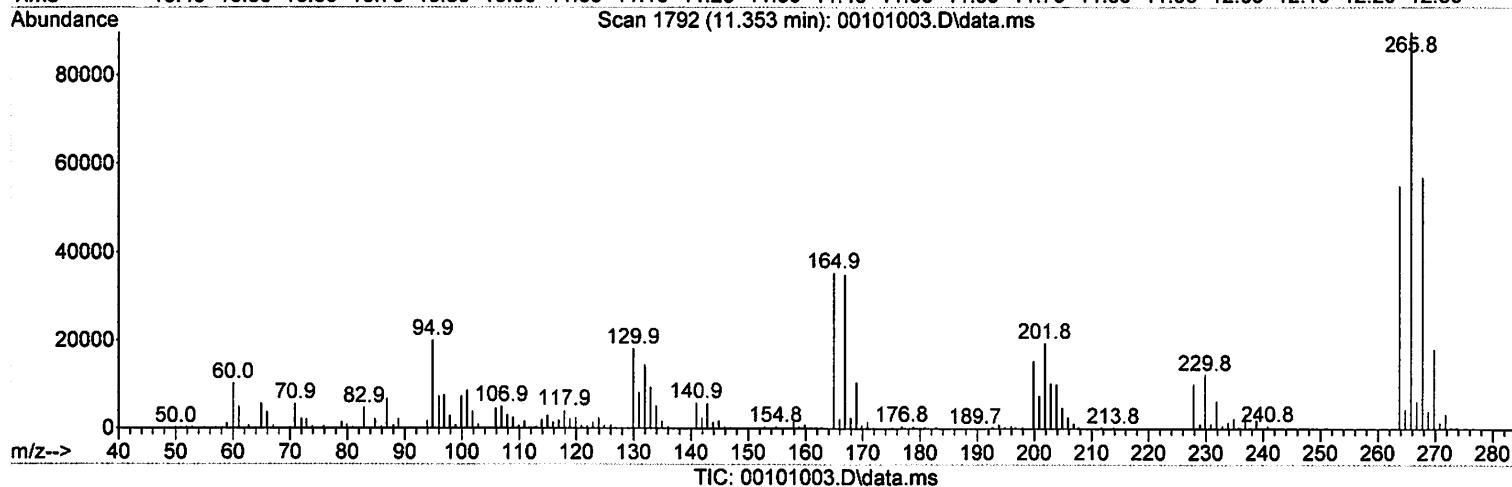
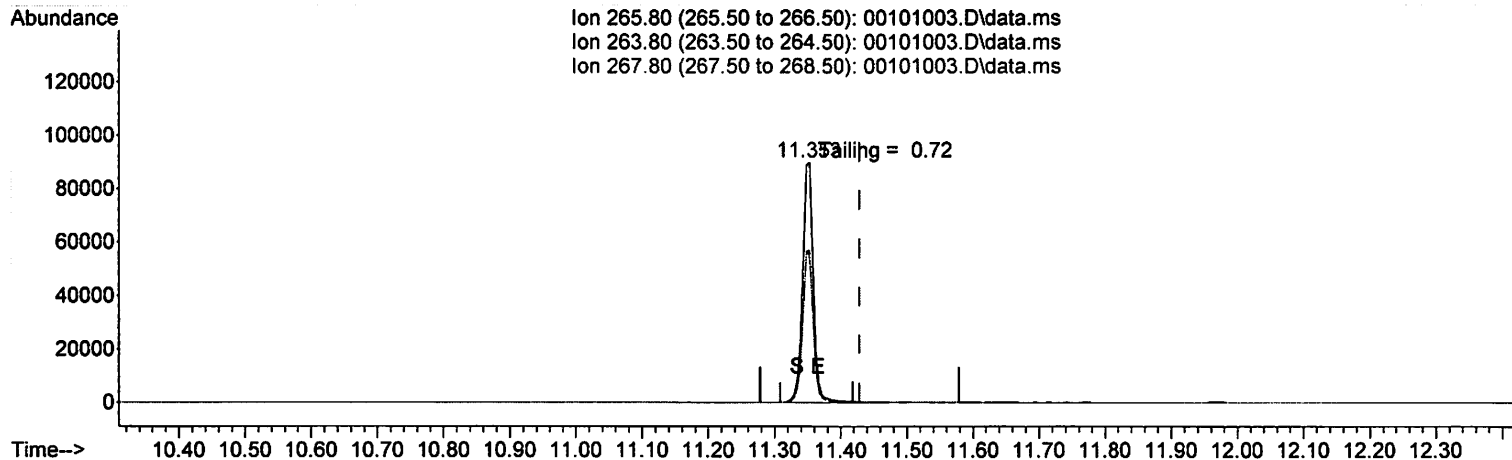
Quant Time: Jul 15 08:21:07 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\BNA-0713.M

Quant Title : EPA 8270D / EPA 625.1 - MSD4

QLast Update : Mon Jul 14 10:26:50 2025

Response via : Initial Calibration



(68) Pentachlorophenol

11.352min (-0.077) 0.00 ug/mL

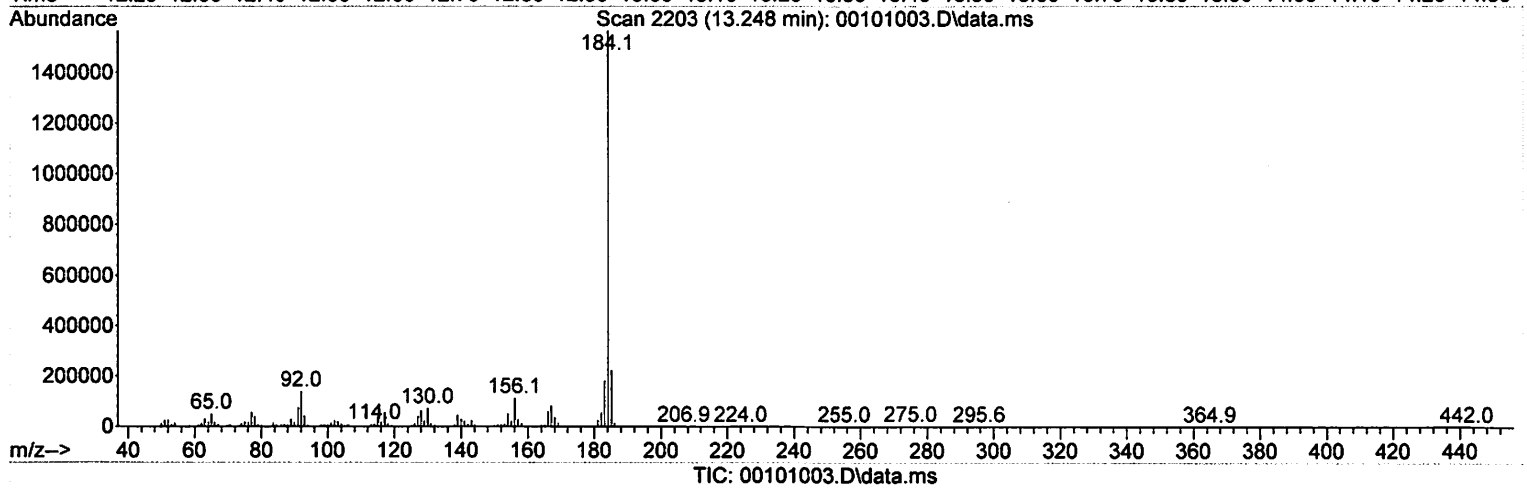
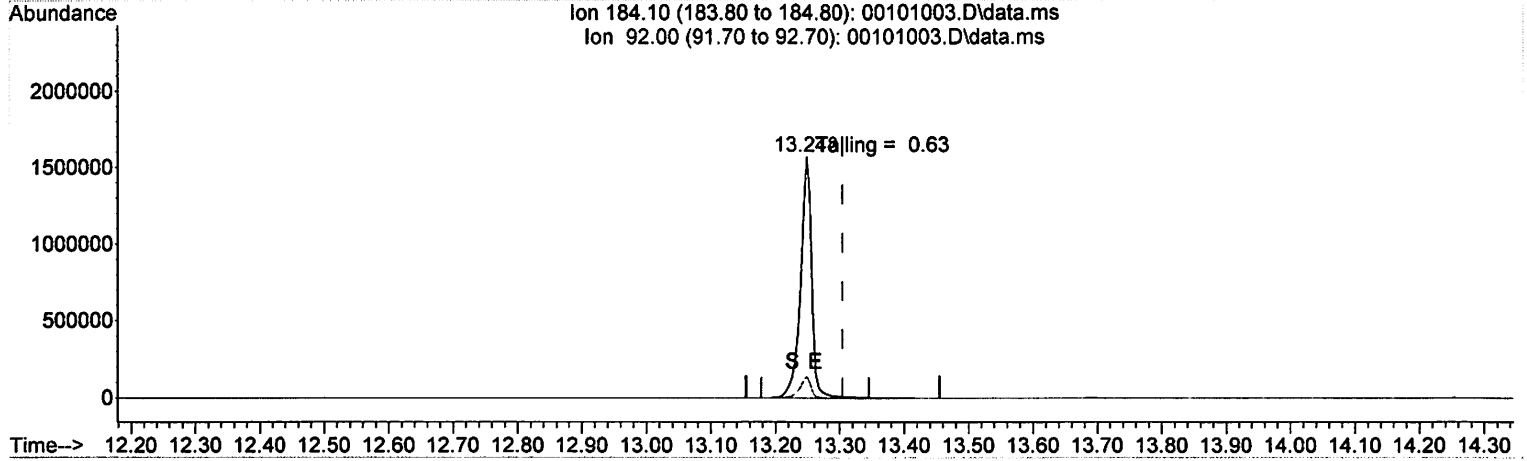
response 980323

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	62.60	62.89
267.80	63.30	63.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : T:\Data1\MSD4\2025\JUL\14C\
 Data File : 00101003.D
 Acq On : 14 Jul 2025 2:35 pm
 Operator : MAH
 Sample : SYS
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:21:07 2025
 Quant Method : T:\Data1\MSD4\METHODS\2025\BNA-0713.M
 Quant Title : EPA 8270D / EPA 625.1 - MSD4
 QLast Update : Mon Jul 14 10:26:50 2025
 Response via : Initial Calibration



(74) Benzidine

13.251min (-0.055) 0.00 ug/mL

response 18476918

Ion	Exp%	Act%
184.10	100.00	100.00
92.00	8.80	8.72
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00201003.D

Acq On : 14 Jul 2025 5:05 pm

Operator : MAH

Sample : CARD 10 PPM

Misc :

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 15 09:33:58 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.774	164	23991401	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.810	240	18622841	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	30271482	24.49 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 97.96%		
Target Compounds						
				Qvalue		
2) Atrazine	11.280	200	6808644	9.97 ug/mL		99
3) Metolachlor	12.455	162	13659380	9.95 ug/mL		97
6) Permerthins	15.617	183	6345493m	10.07 ug/mL		

(#)= qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00301004.D

Acq On : 14 Jul 2025 5:34 pm

Operator : MAH

Sample : CARD 5 PPM

Misc :

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 09:34:49 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	21259655	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.809	240	16941698	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	27175600	24.16 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 96.64%		
Target Compounds						
				Qvalue		
2) Atrazine	11.273	200	2799268	5.08 ug/mL		98
3) Metolachlor	12.452	162	5715932	5.12 ug/mL		96
6) Permerthins	15.617	183	2503464m	5.16 ug/mL		

(#)= qualifier out of range (m)= manual integration (+)= signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00401005.D

Acq On : 14 Jul 2025 6:02 pm

Operator : MAH

Sample : CARD 1 PPM

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 09:36:38 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.773	164	23818073	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.809	240	17569347	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	30143240	25.85 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 103.40%		
Target Compounds						
				Qvalue		
2) Atrazine	11.268	200	572503	1.01 ug/mL		98
3) Metolachlor	12.451	162	1164317	1.01 ug/mL		98
6) Permerthins	15.617	183	416060m	0.98 ug/mL		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00501006.D

Acq On : 14 Jul 2025 6:31 pm

Operator : MAH

Sample : CARD 0.5 PPM

Misc :

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 09:38:35 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	24214141	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.809	240	18044962	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	29160142	24.34 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 97.36%		
Target Compounds						
				Qvalue		
2) Atrazine	11.267	200	258471	0.45 ug/mL		98
3) Metolachlor	12.452	162	511430	0.44 ug/mL		99
6) Permerthins	15.617	183	169730m	0.40 ug/mL		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00601007.D

Acq On : 14 Jul 2025 7:00 pm

Operator : MAH

Sample : CARD 0.1 PPM

Misc :

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 09:39:41 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.774	164	22972853	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.808	240	17432770	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	29793754	25.75 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 103.00%		
Target Compounds						
				Qvalue		
2) Atrazine	11.267	200	46769	0.09 ug/mL		98
3) Metolachlor	12.451	162	94550	0.09 ug/mL		100
6) Permerthins	15.617	183	29116m	0.07 ug/mL		

(#)= qualifier out of range (m)= manual integration (+)= signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 00701008.D

Acq On : 14 Jul 2025 7:28 pm

Operator : MAH

Sample : CARD 0.05 PPM

Misc :

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 09:41:35 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	25488595	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.809	240	19478408	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	32854604	25.41 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 101.64%		
Target Compounds						
				Qvalue		
2) Atrazine	11.267	200	27413	0.05 ug/mL#		81
3) Metolachlor	12.450	162	54152	0.04 ug/mL		98
6) Permerthins	15.617	183	17636m	0.04 ug/mL		

(#)= qualifier out of range (m)= manual integration (+)= signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01101009.D

Acq On : 14 Jul 2025 7:56 pm

Operator : MAH

Sample : BFF1076-BS1

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 08:48:17 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	27222075	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.808	240	17289880	20.00 ug/mL		-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.557	244	39946581	34.81 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 139.24%		
Target Compounds						
				Qvalue		
2) Atrazine	11.273	200	3272466	4.68 ug/mL		98
3) Metolachlor	12.452	162	6693357	4.71 ug/mL		99
6) Permerthins	15.620	183	1724681	3.68 ug/mL		97

(#)= qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01201010.D

Acq On : 14 Jul 2025 8:25 pm

Operator : MAH

Sample : BFF1076-MS1

Misc :

ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 15 08:49:19 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	26919256	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.807	240	17191616	20.00 ug/mL		-0.03
System Monitoring Compounds						
5) Terphenyl-d14	13.557	244	39739081	34.82 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 139.28%		
Target Compounds						
				Qvalue		
2) Atrazine	11.273	200	3180928	4.60 ug/mL		98
3) Metolachlor	12.452	162	6466334	4.61 ug/mL		98
6) Permerthins	15.617	183	2200363m	4.57 ug/mL		

(#)= qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01301011.D

Acq On : 14 Jul 2025 8:53 pm

Operator : MAH

Sample : BFF1076-MSD1

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 15 08:49:54 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	26463607	20.00 ug/mL	#	-0.02
4) Chrysene-d12	14.807	240	16911548	20.00 ug/mL		-0.03
System Monitoring Compounds						
5) Terphenyl-d14	13.557	244	38021452	33.87 ug/mL		-0.02
Spiked Amount	25.000		Recovery	= 135.48%		
Target Compounds						
				Qvalue		
2) Atrazine	11.273	200	3140070	4.62 ug/mL		98
3) Metolachlor	12.452	162	6417795	4.65 ug/mL		99
6) Permerthins	15.617	183	2137273m	4.52 ug/mL		

(#)= qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01401012.D

Acq On : 14 Jul 2025 9:21 pm

Operator : MAH

Sample : BFF1076-BLK1

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 15 08:48:02 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.774	164	27539094	20.00	ug/mL	#-0.02
4) Chrysene-d12	14.809	240	22029274	20.00	ug/mL	-0.02

System Monitoring Compounds

5) Terphenyl-d14	13.557	244	42312663	28.94	ug/mL	-0.02
Spiked Amount	25.000		Recovery	=	115.76%	

Target Compounds	Qvalue

(#)= qualifier out of range (m)= manual integration (+)= signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01501013.D

Acq On : 14 Jul 2025 9:48 pm

Operator : MAH

Sample : WFF0926-05

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 15 08:51:47 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.773	164	27828681	20.00	ug/mL	#-0.02
4) Chrysene-d12	14.811	240	27984432	20.00	ug/mL	-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.554	244	48879958m	26.31	ug/mL	-0.02
Spiked Amount	25.000		Recovery	= 105.24%		

Target Compounds	Qvalue
------------------	--------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01601014.D

Acq On : 14 Jul 2025 10:16 pm

Operator : MAH

Sample : WFF0926-06

Misc :

ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 15 08:52:19 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.773	164	22262516	20.00	ug/mL	#-0.02
4) Chrysene-d12	14.808	240	16639432	20.00	ug/mL	-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	33668464	30.48	ug/mL	-0.02
Spiked Amount	25.000		Recovery	=	121.92%	

Target Compounds	Qvalue
------------------	--------

(#)= qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01701015.D

Acq On : 14 Jul 2025 10:43 pm

Operator : MAH

Sample : WFF0926-07

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 08:54:14 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Acenaphthene-d10	9.773	164	22414145	20.00	ug/mL	#-0.02
4) Chrysene-d12	14.808	240	16721054	20.00	ug/mL	-0.02

System Monitoring Compounds

5) Terphenyl-d14	13.557	244	34853781	31.40	ug/mL	-0.02
Spiked Amount	25.000		Recovery	=	125.60%	

Target Compounds	Qvalue

(#)= qualifier out of range (m)= manual integration (+)= signals summed

Data Path : T:\Data1\MSD4\2025\JUL\14C\

Data File : 01801016.D

Acq On : 14 Jul 2025 11:11 pm

Operator : MAH

Sample : WFF0926-09

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 15 08:54:52 2025

Quant Method : T:\Data1\MSD4\METHODS\2025\Cardo-071425.M

Quant Title : EPA 8270D - GC MSD4

QLast Update : Tue Jul 15 08:47:22 2025

Response via : Initial Calibration

Compound	R.T.	Qlon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.774	164	27611052	20.00	ug/mL	#-0.02
4) Chrysene-d12	14.808	240	17558383	20.00	ug/mL	-0.02
System Monitoring Compounds						
5) Terphenyl-d14	13.556	244	36458450	31.28	ug/mL	-0.02
Spiked Amount	25.000		Recovery	=	125.12%	

Target Compounds	Qvalue
------------------	--------

(#)= qualifier out of range (m) = manual integration (+) = signals summed

PREPARATION BENCH SHEET

Metals

BFF1091

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BFF1091-BLK1	06/23/25 10:17 - JLG	50	50				
BFF1091-BS1	06/23/25 10:17 - JLG	50	50	2502328		250	
BFF1091-CCV1	06/23/25 10:17 - JLG	50	50	2500154		250	
BFF1091-MS1	06/23/25 10:17 - JLG	50	50	2502328	WFF0926-01	250	
BFF1091-MS2	06/23/25 10:17 - JLG	50	50	2502328	WFF0926-05	250	
BFF1091-MSD1	06/23/25 10:17 - JLG	50	50	2502328	WFF0926-01	250	
BFF1091-MSD2	06/23/25 10:17 - JLG	50	50	2502328	WFF0926-05	250	
WFF0926-01 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-02 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-03 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-04 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-05 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-06 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-07 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-08 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			
WFF0926-09 Analytes: Arsenic	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			

PREPARATION BENCH SHEET
Metals

BFF1091

(Continued)

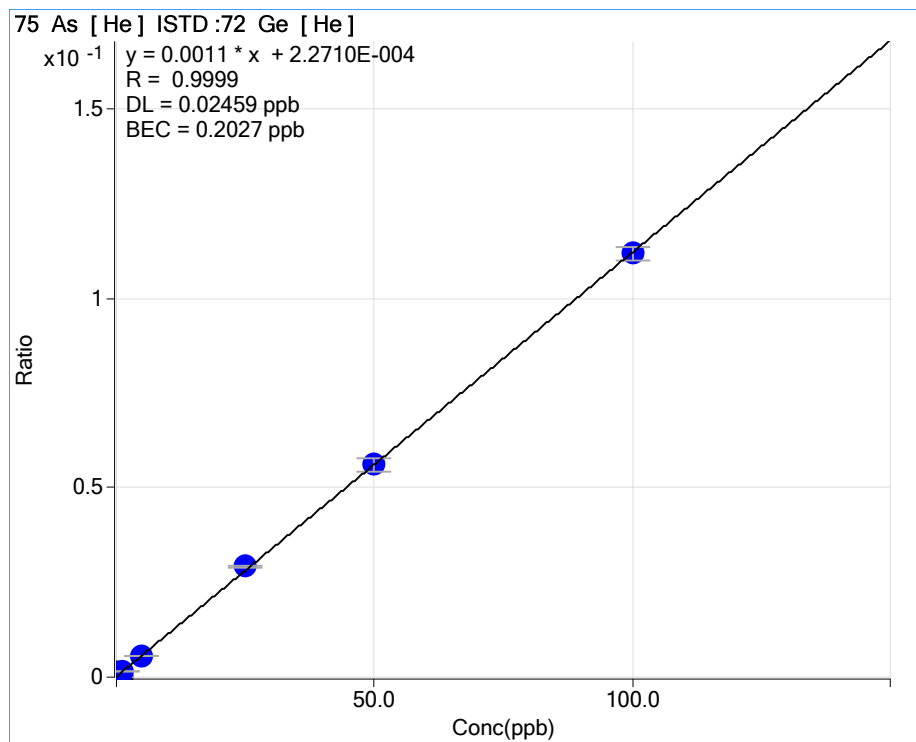
Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WFF0926-10	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			Analytes: Arsenic
WFF0926-11	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			Analytes: Arsenic
WFF0926-12	06/23/25 10:17 - JLG	50	50	Client: Stantec-GS			Analytes: Arsenic

Support Equipment: W PT-04 W PT-40 W PT-21, W PT-27, BLK1b

Reagent ID	Description	LotNum
2400754	Metals UHP Helium	155-402885127-1
2402280	P. 1:1 HCl-metals	59072
2404194	P. Metals Digestion Vials	061324
2501537	Nitric Acid	64346
2502021	C. 10 ppb Tune Solution	-
2502133	C. Internal Standard Mix	-



Sample Report

Sample Name CCV
File Name 043_CCV.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 19:09:23
Sample Type CCV
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	47.939	He	47.939	72	8.0	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	68570.59	0.9	113.9	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name Rinse
File Name 042_RIN.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 19:07:03
Sample Type RINSE
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	66974.11	1.9	111.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name BFF1091-BS1
File Name 041_LCS.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 19:04:45
Sample Type LCS
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	65188.84	0.8	108.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name BFF1091-BLK1
File Name 040_Blk.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 19:02:27
Sample Type Blank
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Fail
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	78096.15	0.6	129.8	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name BFF01097-MSD2
File Name 039LFMD.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 19:00:07
Sample Type LFMdup
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	31.523	He	31.523	72	7.9	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60736.94	2.9	100.9	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name BFF1091-MS2
File Name 038_LFM.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:57:49
Sample Type LFM
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	36.327	He	36.327	72	8.8	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	61299.02	4.5	101.9	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-05
File Name 037_ARF.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:55:31
Sample Type AllRef
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	59919.90	1.3	99.6	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-06
File Name 036SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:53:10
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	63829.29	2.7	106.1	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-08
File Name 035SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:50:52
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	63762.08	1.1	106.0	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name Rinse
File Name 034_RIN.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:48:26
Sample Type RINSE
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	59866.01	1.0	99.5	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name CCB
File Name 033_CCB.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:46:05
Sample Type CCB
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60446.40	1.2	100.4	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name CCV
File Name 032_CCV.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:43:48
Sample Type CCV
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	47.408	He	47.408	72	5.7	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60936.26	1.8	101.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name Rinse
File Name 031_RIN.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:41:30
Sample Type RINSE
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
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QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	59986.43	1.6	99.7	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-12
File Name 030SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:39:10
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	63864.74	0.6	106.1	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-11
File Name 029SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:36:52
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	65476.87	2.5	108.8	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-10
File Name 028SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:34:34
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	65785.03	1.1	109.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-09
File Name 027SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:32:13
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	65136.16	1.0	108.2	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-07
File Name 026SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:29:55
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	59979.83	0.4	99.7	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name WFF0926-04
File Name 025SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:27:37
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60584.55	1.4	100.7	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-03
File Name 024SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:25:16
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60840.13	0.6	101.1	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-02
File Name 023SMPL.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:22:58
Sample Type Sample
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	58541.43	1.5	97.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name BFF01097-MSD1
File Name 022LFMD.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:20:40
Sample Type LFMdup
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	44.423	He	44.423	72	4.2	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60776.56	0.9	101.0	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name BFF1091-MS1
File Name 021_LFM.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:18:19
Sample Type LFM
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	43.032	He	43.032	72	6.4	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60273.31	1.4	100.2	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

Sample Report

Sample Name WFF0926-01
File Name 020_ARF.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:16:01
Sample Type AllRef
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	60070.20	0.7	99.8	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name BFF1091-BS1
File Name 019_LCS.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:13:42
Sample Type LCS
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	58654.16	0.7	97.5	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name BFF1091-MRL1
File Name 018LICV.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:11:21
Sample Type LLICV
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.077	He	1.077	72	6.6	1	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	58580.45	1.9	97.3	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0



Sample Report

Sample Name BFF1091-BLK1
File Name 017_Blk.d
Data Path Name D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\07212025 HIGH MATRIX MODE ONLY As the 3rd RERUN.b
Acq Time 2025-07-21 18:09:03
Sample Type Blank
Total Dilution 1.0000
Comment ---
ISTD Ref FileName 003CALB.d
Sample QC Pass/Fail Pass
ISTD QC Pass/Fail Pass
Operator JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
------	------	-------	------	-----------	------	---------	-----	---------

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	He				0
Sc	45	He				0
Sc	45	2				0
Ge	72	He	59451.95	0.6	98.8	60178.3666666667
Ge	72	2				0
Ge	72	3				0
Rh	103	He				0
Rh	103	2				0
Ho	165	He				0
Ho	165	2				0

	Sample									
	☐	Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
+	1	☐	001CALB.	2025-07-21 17:33:00	CalBlk	1	Blank		1.0000	1101
+	2	☐	002CALB.	2025-07-21 17:35:18	CalBlk	1	Blank		1.0000	1101
+	3	☐	003CALB.	2025-07-21 17:37:35	CalBlk	1	Blank		1.0000	1101
+	4	☐	004CALS.	2025-07-21 17:39:55	CalStd	2	1 ppb cal		1.0000	1103
+	5	☐	005CALS.	2025-07-21 17:42:13	CalStd	3	5 ppb cal		1.0000	1104
+	6	☐	006CALS.	2025-07-21 17:44:31	CalStd	4	25 ppb cal		1.0000	1105
+	7	☐	007CALS.	2025-07-21 17:46:51	CalStd	5	50 ppb cal		1.0000	1106
+	8	☐	008CALS.	2025-07-21 17:49:09	CalStd	6	100 ppb cal		1.0000	1107
+	9	☐	009_RIN.d	2025-07-21 17:51:27	RINSE		Rinse		1.0000	4
+	10	☐	010_ICB.d	2025-07-21 17:53:48	ICB		ICB		1.0000	1101
+	11	☐	011_ICV.d	2025-07-21 17:55:38	ICV		ICV- 40ppb		1.0000	2101
+	12	☐	012_ICV.d	2025-07-21 17:57:29	ICV		ICV- 40ppb		1.0000	2201
+	13	☐	013_LDR.d	2025-07-21 17:59:50	LDR		Daily LDR- 500pp		1.0000	2102
+	14	☐	014_RIN.d	2025-07-21 18:02:07	RINSE		Rinse		1.0000	4
+	15	☐	015_RIN.d	2025-07-21 18:04:25	RINSE		Rinse		1.0000	4
+	16	☐	016_RIN.d	2025-07-21 18:06:44	RINSE		Rinse		1.0000	4
+	17	☐	017_Bl.k.d	2025-07-21 18:09:03	Blank		BFF1091-BLK1		1.0000	3101
+	18	☐	018LICV.d	2025-07-21 18:11:21	LLICV		BFF1091-MRL1		1.0000	3102
+	19	☐	019_LCS.d	2025-07-21 18:13:42	LCS		BFF1091-BS1		1.0000	3103
+	20	☐	020_ARF.d	2025-07-21 18:16:01	AllRef		WFF0926-01		1.0000	3104
+	21	☐	021_LFM.d	2025-07-21 18:18:19	LFM		BFF1091-MS1		1.0000	3105
+	22	☐	022LFMD.	2025-07-21 18:20:40	LFMDup		BFF01097-MSD1		1.0000	3106
+	23	☐	023SMPL.	2025-07-21 18:22:58	Sample		WFF0926-02		1.0000	3107
+	24	☐	024SMPL.	2025-07-21 18:25:16	Sample		WFF0926-03		1.0000	3108
+	25	☐	025SMPL.	2025-07-21 18:27:37	Sample		WFF0926-04		1.0000	3109

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
+	26		026SMPL.	2025-07-21 18:29:55	Sample		WFF0926-07		1.0000	3202
+	27		027SMPL.	2025-07-21 18:32:13	Sample		WFF0926-09		1.0000	3204
+	28		028SMPL.	2025-07-21 18:34:34	Sample		WFF0926-10		1.0000	3205
+	29		029SMPL.	2025-07-21 18:36:52	Sample		WFF0926-11		1.0000	3206
+	30		030SMPL.	2025-07-21 18:39:10	Sample		WFF0926-12		1.0000	3207
+	31		031_RIN.d	2025-07-21 18:41:30	RINSE		Rinse		1.0000	4
+	32		032_CCV.	2025-07-21 18:43:48	CCV		CCV		1.0000	1106
+	33		033_CCB.	2025-07-21 18:46:05	CCB		CCB		1.0000	1101
+	34		034_RIN.d	2025-07-21 18:48:26	RINSE		Rinse		1.0000	5
+	35		035SMPL.	2025-07-21 18:50:52	Sample		WFF0926-08		1.0000	3203
+	36		036SMPL.	2025-07-21 18:53:10	Sample		WFF0926-06		1.0000	3201
+	37		037_ARF.d	2025-07-21 18:55:31	AllRef		WFF0926-05		1.0000	3110
+	38		038_LFM.d	2025-07-21 18:57:49	LFM		BFF1091-MS2		1.0000	3111
+	39		039LFMD.	2025-07-21 19:00:07	LFMDup		BFF01097-MSD2		1.0000	3112
+	40		040_Bl.k.d	2025-07-21 19:02:27	Blank		BFF1091-BLK1		1.0000	3208
+	41		041_LCS.d	2025-07-21 19:04:45	LCS		BFF1091-BS1		1.0000	3209
+	42		042_RIN.d	2025-07-21 19:07:03	RINSE		Rinse		1.0000	4
+	43		043_CCV.	2025-07-21 19:09:23	CCV		CCV		1.0000	1106
+	44		044_CCB.	2025-07-21 19:11:40	CCB		CCB		1.0000	1101
+	45		045_RIN.d	2025-07-21 19:13:58	RINSE		Rinse		1.0000	5
+	46		046_RIN.d	2025-07-21 19:16:20	RINSE		Rinse		1.0000	5
+	47		047_RIN.d	2025-07-21 19:18:38	RINSE		Rinse		1.0000	4
+	48		048_RIN.d	2025-07-21 19:20:56	RINSE		Rinse		1.0000	5

PREPARATION BENCH SHEET

Metals

BFF1162

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
AFF0079-01 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Jacobs - Quincy			
AFF0079-03 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Jacobs - Quincy			
BFF1162-BLK1	06/24/25 12:56 - JLG	50	50				
BFF1162-BS1	06/24/25 12:56 - JLG	50	50	2501804		100	
BFF1162-CCV1	06/24/25 12:56 - JLG	50	50	2502039		25	
BFF1162-MS1	06/24/25 12:56 - JLG	50	50	2501804	WFF0926-05	125	
BFF1162-MS2	06/24/25 12:56 - JLG	50	50	2501804	AFF0079-01	125	
BFF1162-MSD1	06/24/25 12:56 - JLG	50	50	2501804	WFF0926-05	125	
BFF1162-MSD2	06/24/25 12:56 - JLG	50	50	2501804	AFF0079-01	125	
WFF0926-01 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-02 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-03 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-04 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-05 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-06 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
WFF0926-07 Analytes: Mercury	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			

Batch Prepared By _____

Date _____

Analytical Run Date _____

PREPARATION BENCH SHEET

Metals

BFF1162

(Continued)

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WFF0926-08	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
Analytes: Mercury							
WFF0926-09	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
Analytes: Mercury							
WFF0926-10	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
Analytes: Mercury							
WFF0926-11	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
Analytes: Mercury							
WFF0926-12	06/24/25 12:56 - JLG	50	50	Client: Stantec-GS			
Analytes: Mercury							
YFF0326-01	06/24/25 12:56 - JLG	50	50	Client: Jacobs - Quincy			
Analytes: Mercury							
YFF0383-02	06/24/25 12:56 - JLG	50	50	Client: Jacobs - Quincy			
Analytes: Mercury							

Support Equipment: W PT-04 W PT-40 W PT-21, W PT-27

Reagent ID	Description	LotNum
2300400	Sulfuric Acid, OmniTrace	62252
2402280	P. 1:1 HCl-metals	59072
2404194	P. Metals Digestion Vials	061324
2501537	Nitric Acid	64346
2501944	Hg. Tin(II) chloride	-
2502130	Hg. Hydroxylamine Hydrochlori	-
2502189	Hg. 5% Potassium Persulfate	-
2502190	Hg. 5% Potassium Permanganar	-

Batch Prepared By

Date

Analytical Run Date

245.1 Calibration Sheet

Batch:	BFF1162
Date:	6/25/2025
Analyst:	JLG
Slope	15585.70279
Intercept	14.857
R²	0.99991

Hg 245.1 Calibration Sheet with %Error

Calibration Points (ug/L)	uABS	Calculated Conc. (ug/L)	% Error
0	467.5	0.029042194	NA
0.2	2126.7	0.135498734	32.25063
0.5	8355.7	0.535159891	7.03198
1	15913	1.020046591	2.00466
2	31382.9	2.012616526	0.63083
5	77854.4	4.994291502	0.11417
10	155842.4	9.998108209	0.01892

Report Generated By Teledyne CETAC QuickTrace

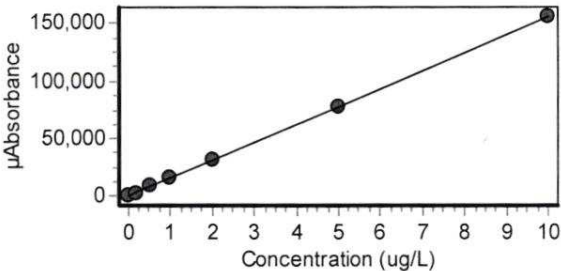
Analyst: Mercury

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\06252025 Hg 245.wszf

Creation Date: 6/25/2025 11:35:05 AM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
Calibration Blank	STD	06/25/25 12:19:50 pm	0.000	467	2.13	23.41		N/A
Replicates		481.5 466.7 458.4 463.3						
Standard #1 (0.1 ug/L)	STD	06/25/25 12:23:12 pm	0.100	1188	0.86	-30.36		N/A
Replicates		1191.8 1172.6 1190.5 1195.3						
Standard #2 (0.2 ug/L)	STD	06/25/25 12:26:34 pm	0.200	2127	1.06	-70.05		N/A
Replicates		2094.0 2132.4 2135.2 2145.1						
Standard #3 (0.5 ug/L)	STD	06/25/25 12:29:55 pm	0.500	8356	1.00	29.92		N/A
Replicates		8262.4 8323.0 8377.4 8459.9						
Standard #4 (1.0 ug/L)	STD	06/25/25 12:33:18 pm	1.000	15913	0.60	15.20		N/A
Replicates		15808.3 15875.6 15933.3 16034.8						
Standard #5 (2.0 ug/L)	STD	06/25/25 12:36:40 pm	2.000	31383	0.93	8.56		N/A
Replicates		31094.8 31213.0 31472.6 31751.3						
Standard #6 (5.0 ug/L)	STD	06/25/25 12:40:03 pm	5.000	77854	0.87	-7.41		N/A
Replicates		77161.3 77493.8 78059.6 78702.8						
Standard #7 (10.0 ug/L)	STD	06/25/25 12:43:26 pm	10.000	155842	0.66	0.38		N/A
Replicates		154803.1 155275.1 156141.7 157149.6						
Replacement: Standard #1 (0.1 ug/L)	STD	06/25/25 12:57:30 pm	0.100	1799	8.16	8.92		N/A
Replicates		1980.3 1849.1 1721.0 1646.8						
Calibration								
Equation:	$A = 102.980 + 15573.351C$							
R2:	0.99992							
SEE:	570.4933							
Flags:	C							
								
ICV	ICV	06/25/25 01:07:23 pm	2.080	32522	0.65		Q	52.04
Replicates		32271.6 32440.4 32628.5 32747.4						
CCV (95-105%)	OPR	06/25/25 01:10:45 pm	1.040	16367	0.38		Q	20.89
Replicates		16302.3 16337.0 16385.8 16444.3						
CCB	CCB	06/25/25 01:14:06 pm	0.030	569	2.50			N/A
Replicates		577.6 564.3 578.8 554.3						
BLANK	MB	06/25/25 01:17:27 pm	0.022	443	3.10		Z	N/A
Replicates		431.4 437.0 449.7 453.8						

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
LCS			LCS	06/25/25 01:20:48 pm	1.760	27476	0.77			
Replicates	27266.9	27360.6	27531.2	27744.4				L		43.94
WFF0926-01			UNK	06/25/25 01:24:10 pm	0.032	602	2.32			N/A
Replicates	613.2	606.8	600.3	586.2						
WFF0926-02			UNK	06/25/25 01:27:31 pm	0.041	746	2.44			N/A
Replicates	740.7	732.5	740.6	768.3						
WFF0926-03			UNK	06/25/25 01:30:53 pm	-0.006	11	10.98			N/A
Replicates	16.3	0.5	22.3	4.5						
WFF0926-04			UNK	06/25/25 01:34:14 pm	0.028	533	8.01			N/A
Replicates	490.9	518.0	564.1	557.2						
WFF0926-05			UNK	06/25/25 01:37:36 pm	-0.008	-18	17.21			N/A
Replicates	4.3	-22.5	-9.7	-44.8						
MS1			UNK	06/25/25 01:40:58 pm	-0.004	43	39.84			N/A
Replicates	23.0	65.3	62.6	22.9						
WFF0926-05			UNK	06/25/25 01:44:20 pm	0.034	637	2.43			N/A
Replicates	643.1	622.0	651.5	631.1						
MS1			UNK	06/25/25 01:47:42 pm	2.590	40502	0.92			N/A
Replicates	40092.3	40340.6	40623.3	40953.4						
MSD1			UNK	06/25/25 01:51:05 pm	2.620	40962	0.62			N/A
Replicates	40667.9	40861.3	41070.4	41247.6						
MSA			UNK	06/25/25 01:54:27 pm	2.570	40192	0.59			N/A
Replicates	39930.1	40078.6	40294.1	40467.2						
MSDA			UNK	06/25/25 01:57:50 pm	2.570	40133	0.51			N/A
Replicates	39881.4	40160.2	40381.4	40108.0						
WFF0926-03			UNK	06/25/25 02:01:11 pm	0.047	834	7.35			N/A
Replicates	904.4	840.0	813.6	777.1						
WFF0926-06			UNK	06/25/25 02:04:32 pm	0.030	578	4.05			N/A
Replicates	600.0	566.2	558.6	588.5						
WFF0926-07			UNK	06/25/25 02:07:53 pm	0.040	731	3.34			N/A
Replicates	704.0	723.9	745.0	749.5						
WFF0926-08			UNK	06/25/25 02:11:14 pm	0.055	956	0.31			N/A
Replicates	959.4	955.2	953.0	955.6						
WFF0926-09			UNK	06/25/25 02:14:36 pm	0.038	702	1.03			N/A
Replicates	708.6	705.2	695.2	698.1						
WFF0926-10			UNK	06/25/25 02:17:57 pm	0.033	609	2.57			N/A
Replicates	590.6	619.1	608.9	617.4						
WFF0926-11			UNK	06/25/25 02:21:18 pm	0.034	631	3.12			N/A
Replicates	606.3	637.2	642.1	637.6						
WFF0926-12			UNK	06/25/25 02:24:40 pm	0.028	536	2.63			N/A
Replicates	539.5	521.1	535.1	548.5						

Sample Name			Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Residual	Flags	% Recovery
AFF0079-01			UNK	06/25/25 02:28:02 pm	0.027	522	2.54			N/A
Replicates	507.8	520.1		532.6 526.9						
MS2			UNK	06/25/25 02:31:24 pm	2.750	42946	0.60			N/A
Replicates	42627.2	42874.6		43058.7 43224.9						
MSD2			UNK	06/25/25 02:34:46 pm	2.720	42468	0.75			N/A
Replicates	42134.9	42311.5		42555.3 42868.3						
MSB			UNK	06/25/25 02:38:08 pm	2.770	43261	0.17			N/A
Replicates	43184.8	43218.7		43303.9 43338.4						
MSDB			UNK	06/25/25 02:41:31 pm	2.780	43337	0.24			N/A
Replicates	43197.5	43320.6		43404.5 43424.5						
AFF0079-03			UNK	06/25/25 02:44:52 pm	0.042	764	8.09			N/A
Replicates	838.0	763.7		739.6 713.9						
YFF0326-01			UNK	06/25/25 02:48:13 pm	0.043	781	1.15			N/A
Replicates	784.9	776.0		790.1 773.2						
YFF0382-02			UNK	06/25/25 02:51:34 pm	0.040	732	2.74			N/A
Replicates	720.9	721.4		757.2 727.4						
BLANK			UNK	06/25/25 02:54:55 pm	0.023	466	2.61			N/A
Replicates	475.7	462.3		471.9 454.7						
LCS			UNK	06/25/25 02:58:17 pm	2.120	33116	0.62			N/A
Replicates	32912.9	33000.2		33180.9 33371.5						
BLK			UNK	06/25/25 03:01:38 pm	0.028	536	11.35			N/A
Replicates	600.4	548.3		501.5 493.9						
CK			UNK	06/25/25 03:05:00 pm	0.537	8462	0.36			N/A
Replicates	8431.4	8445.3		8472.6 8499.8						
CK			UNK	06/25/25 03:08:22 pm	1.000	15722	0.23			N/A
Replicates	15677.1	15708.2		15750.1 15754.4						
CK			UNK	06/25/25 03:11:45 pm	2.050	32098	0.50			N/A
Replicates	31916.0	32031.3		32164.4 32280.5						

Anatek Labs. Inc. Spokane

QC REQUIREMENTS:	Blank <1ppm, LFB %Rec= 90-110%, MS/MSD %Rec= 80-120% Run a blank and lcs before and after every 20 samples, plus dup and ms/msd after 20 samples.							
TSS Reagents	Std. #	Amount Spiked	Balance ID	Oven	Temp	Filters	Thermometer	Cylinder
100ppm Cellulose TSS Soln.	2502129	100 ppm	BAL-06	5	105	2400693	T-Oven 5	A

Date/Time/Initials of Weigh: 6.23.25 9:46 SCD 6.23.25 10:50 SCD

[illegible]

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

Anatek Labs. Inc. Spokane

[illegible]

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

[illegible]

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

[illegible]

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

Anatek Labs. Inc. Spokane

[illegible]