AECOS, Inc.

45-939 Kamehameha Hwy, Suite 104 · Kaneohe, HI 96744
Telephone: (808) 234-7770 · Fax: (808) 234-7775 · aecos@aecos.com

CLIENT: Stantec GS
737 Bishop Street, Suite 3050
Honolulu HI 96813

ATTENTION: Benjamin Berridge / Hannah Hubanks / Jess Hawkins
Benjamin.Berridge@cardno-gs.com

FILE No.:	1494
REPORT DATE:	04/23/2024
PAGE:	1 of 1

AECOS REPORT OF RESULTS

SAMPLE TYPE: water
***AECOS* LOG No.:** 50233
DATE SAMPLED: 04/12/24
DATE/TIME RECEIVED: 04/12/24 @1648
SAMPLER: J. Hawkins
TEMP. CONTROL: 4.8 °C
MATRIX: Water
DATE/TIME ANALYZED: 04/12/24 @1713
ANALYST: R. Knapstein

	ANALYTE (UNITS)	Enterococcus (MPN/100ml)	*Dilution Factor (10 ml / 100 ml)*	*Number of large positive wells*	*Number of small positive wells*
	METHOD →	ASTM D650399	---	---	---
SAMPLE ID ⇩	TIME SAMPLED ⇩				
U-3/WW-4	0940	4400	*10*	*49*	*24*
D-8	0945	5500	*10*	*49*	*28*
D-2	1010	13,000	*10*	*49*	*42*
D-3	1025	24,000	*10*	*49*	*47*
D-7	1025	>24,000	*10*	*49*	*48*
D-4	1035	24,000	*10*	*49*	*47*
WW-3	1050	17,000	*10*	*49*	*45*
D-6	1100	14,000	*10*	*49*	*43*
U-2/WW-5	1200	9200	*10*	*49*	*37*
WW-6	0845	20,000	*10*	*49*	*46*
E-1	1050	17,000	*10*	*49*	*45*
E-1 dup	1100	17,000	*10*	*49*	*45*

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 [050233]

CLIENT: stantec GS
ADDRESS: 737 Bishop st Suite 3050 Honolulu, HI, 96813
CONTACT: Jess Hawkins
PHONE No.: ☎ 808-754-0126
Purchase Order No.:

☐ RUSH
☐ SEE REVERSE
SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	U-3/WW-4	4/12/24	0940	Water	1	IDEXX	Enterococci	
2	✓	D-8	↓	0945	↓	↓	↓	↓	
3	✓	D-2		1010					
4	✓	D-3		1025					
5	✓	D-7		1025					
6	✓	D-4		1035					
7	✓	WW-3		1050					
8	✓	D-6		1100					
9	✓	U-2/WW-5		1200					
10	✓	WW-6	↓ JH	0945	↓	↓	↓	↓	

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: DATE 20 24 4-12
PRINT NAME Jess Hawkins
RELINQUISHED: DATE 4/12 20 24
SIGNATURE [signature] TIME 448 pm

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

RECEIVED FOR LABORATORY: DATE 4/12 20 24
SIGNATURE [signature] TIME 1648
RELINQUISHED: DATE 20___
SIGNATURE OR INITIALS TIME

COMMENTS:

PRECAUTIONS:

DISPOSAL:

T=4.8°C
(IR)
rec'd on ice

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK

AECOS, Inc.

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Kaneohe, Oahu, HI 96744
Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT
FILE No.
LOG NUMBER [04 50233]

CLIENT: stantec GS
ADDRESS: 737 Bishop st suite 3050
Honolulu, HI. 96813

CONTACT: jess hawkins
PHONE No.: ☎ 808-784-0126
Purchase Order No.:

☐ RUSH
☐ SEE REVERSE
SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	E-1	4/12/24	1050	water	1	IDEXX	Enterococci	
2	✓	E-1 DUP	↓	1100	↓	↓	↓	↓	
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: DATE 20 24
PRINT NAME Jess Hawkins 4-12
RELINQUISHED: DATE
SIGNATURE [signature] 20 24
TIME 448 pm

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

RECEIVED FOR LABORATORY: DATE 4/12 20 24
SIGNATURE [signature] TIME 1648
RELINQUISHED: DATE 20___
SIGNATURE OR INITIALS TIME

COMMENTS:

PRECAUTIONS:

DISPOSAL:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK

ANATEK LABS

Analytical Results Report For:

Stantec-GS

Project Number:

ADC Water Quality Monitoring

Anatek Work Order:

WED0874

Anatek Moscow - 1282 Alturas Drive - Moscow, ID 83843 - 208-883-2839 - moscow@anateklabs.com - FL NELAP E87893
Anatek Spokane - 504 E Sprague Ste. D - Spokane, WA 99202 - 509-838-3999 - spokane@anateklabs.com - FL NELAP E871099
Anatek Yakima - 4802 Tieton Drive - Yakima, WA 98908 - 509-225-9404 - yakima@anateklabs.com - FL NELAP E871190
Anatek Wenatchee - 3019 Gs Center Rd - Wenatchee, WA 98801 - 509-701-8362

Anatek Labs, Inc.

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

Client:	Stantec-GS	Work Order:	WED0874
Address:	737 Bishop St., Ste. 3050	Project:	ADC Water Quality Monitoring
	Honolulu, HI 96813	Reported:	7/11/2024 09:23
Attn:	Benjamin Berridge		

Analytical Results Report

Sample Location: WW-3
Lab/Sample Number: WED0874-01 Collect Date: 04/12/24 10:50
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	18.0	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00554	mg/L	0.000140	0.00100	4/22/24 20:36	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:28	JLG	EPA 245.1	M2
Semivolatiles								
Atrazine	<0.0493	ug/L	0.0493	0.0985	5/24/24 22:20	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0493	0.0985	5/24/24 22:20	MAH	EPA 625.1	
Permethrin	<0.246	ug/L	0.246	0.493	5/24/24 22:20	MAH	EPA 625.1	
Surrogate: Terphenyl-d14	*98.9%*		*25-135*		*5/24/24 22:20*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 14:18	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 14:18	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 14:18	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 14:18	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*66.6%*		*50-150*		*5/7/24 14:18*	*ARY*	*NWTPH-HCID*	

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Sample Location: WW-6
Lab/Sample Number: WED0874-02 Collect Date: 04/12/24 09:45
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	1300	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00142	mg/L	0.000140	0.00100	4/22/24 20:38	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:31	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 15:14	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 15:14	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 15:14	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 15:14	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*38.5%*		*50-150*		*5/7/24 15:14*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: E-1
Lab/Sample Number: WED0874-03 Collect Date: 04/12/24 10:50
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	276	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.0235	mg/L	0.000140	0.00100	4/22/24 20:41	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:33	JLG	EPA 245.1	M2
Semivolatiles								
Atrazine	<0.0495	ug/L	0.0495	0.0989	5/24/24 22:49	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0495	0.0989	5/24/24 22:49	MAH	EPA 625.1	
Permethrin	<0.247	ug/L	0.247	0.495	5/24/24 22:49	MAH	EPA 625.1	
Surrogate: Terphenyl-d14	*90.0%*		*25-135*		*5/24/24 22:49*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 16:10	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 16:10	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 16:10	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 16:10	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*73.3%*		*50-150*		*5/7/24 16:10*	*ARY*	*NWTPH-HCID*	

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Sample Location: E-1 DUP

Lab/Sample Number: WED0874-04 Collect Date: 04/12/24 11:00

Date Received: 04/18/24 09:21 Collected By:

Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	358	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.0193	mg/L	0.000140	0.00100	4/22/24 21:20	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:41	JLG	EPA 245.1	M2
Semivolatiles								
Atrazine	<0.522	ug/L	0.0522	0.104	5/24/24 23:16	MAH	EPA 625.1	
Metolachlor	ND	ug/L	0.0522	0.104	5/24/24 23:16	MAH	EPA 625.1	
Permethrin	<0.261	ug/L	0.261	0.522	5/24/24 23:16	MAH	EPA 625.1	
Surrogate: Terphenyl-d14	*83.8%*		*25-135*		*5/24/24 23:16*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 17:06	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 17:06	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 17:06	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 17:06	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*53.6%*		*50-150*		*5/7/24 17:06*	*ARY*	*NWTPH-HCID*	

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Sample Location: D-2
Lab/Sample Number: WED0874-06 Collect Date: 04/12/24 10:10
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	11.6	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.0507	mg/L	0.000140	0.00100	4/22/24 21:22	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:43	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 18:03	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 18:03	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 18:03	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 18:03	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*38.9%*		*50-150*		*5/7/24 18:03*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: D-3
Lab/Sample Number: WED0874-07 Collect Date: 04/12/24 10:25
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	44.0	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00884	mg/L	0.000140	0.00100	4/22/24 20:48	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:46	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 18:59	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 18:59	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 18:59	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 18:59	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*52.0%*		*50-150*		*5/7/24 18:59*	*ARY*	*NWTPH-HCID*	

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Sample Location: D-4
Lab/Sample Number: WED0874-08 Collect Date: 04/12/24 10:35
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	307	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00198	mg/L	0.000140	0.00100	4/22/24 20:50	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:49	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 19:54	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 19:54	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 19:54	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 19:54	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*34.3%*		*50-150*		*5/7/24 19:54*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: D-6
Lab/Sample Number: WED0874-09 Collect Date: 04/12/24 11:00
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	143	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00378	mg/L	0.000140	0.00100	4/22/24 20:52	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:51	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 20:50	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 20:50	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 20:50	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 20:50	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*39.0%*		*50-150*		*5/7/24 20:50*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: D-7
Lab/Sample Number: WED0874-10 Collect Date: 04/12/24 10:25
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	640	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00449	mg/L	0.000140	0.00100	4/22/24 20:55	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 15:54	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/7/24 21:45	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/7/24 21:45	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/7/24 21:45	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/7/24 21:45	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*38.6%*		*50-150*		*5/7/24 21:45*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: D-8
Lab/Sample Number: WED0874-11 Collect Date: 04/12/24 09:45
Date Received: 04/18/24 09:21 Collected By:
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	11.7	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	0.00326	mg/L	0.000140	0.00100	4/22/24 20:57	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 16:01	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/8/24 4:08	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/8/24 4:08	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/8/24 4:08	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/8/24 4:08	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*55.9%*		*50-150*		*5/8/24 4:08*	*ARY*	*NWTPH-HCID*	

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Sample Location: U-2/WW-5

Lab/Sample Number: WED0874-12 Collect Date: 04/12/24 12:00

Date Received: 04/18/24 09:21 Collected By:

Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	800	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	<0.000140	mg/L	0.000140	0.00100	4/22/24 21:11	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 16:04	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	5/8/24 5:02	ARY	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	5/8/24 5:02	ARY	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0460	0.0800	5/8/24 5:02	ARY	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	5/8/24 5:02	ARY	NWTPH-HCID	
Surrogate: n-Hexacosane	*43.3%*		*50-150*		*5/8/24 5:02*	*ARY*	*NWTPH-HCID*	*S12*

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Sample Location: U-3/WW-4

Lab/Sample Number: WED0874-13 Collect Date: 04/12/24 09:40

Date Received: 04/18/24 09:21 Collected By:

Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	42.0	mg/L			4/18/24 17:04	DKB	EPA 160.2	
Metals by ICP-MS								
Arsenic	<0.000140	mg/L	0.000140	0.00100	4/22/24 21:18	JLG	EPA 200.8	
Mercury								
Mercury	<0.0710	ug/L	0.0710	0.100	4/19/24 16:06	JLG	EPA 245.1	M2
Semivolatiles								
Diesel	<0.0520	mg/L	0.0520	0.0800	6/21/24 15:21	ARY	NWTPH-HCID	C9
Gasoline	<0.160	mg/L	0.160	0.400	6/21/24 15:21	ARY	NWTPH-HCID	C9
Lube Oil	<0.0460	mg/L	0.0460	0.0800	6/21/24 15:21	ARY	NWTPH-HCID	C9
Mineral Oil	<0.160	mg/L	0.160	0.400	6/21/24 15:21	ARY	NWTPH-HCID	C9
Surrogate: n-Hexacosane	*88.3%*		*50-150*		*6/21/24 15:21*	*ARY*	*NWTPH-HCID*	*C9*

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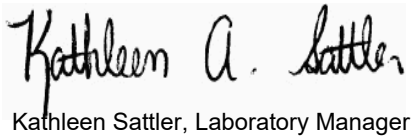
Authorized Signature,



Kathleen Sattler, Laboratory Manager

C9	Initial analysis within holding time. Confirmatory analysis was past holding time. Original result confirmed
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable. Potential matrix effect.
R12	Matrix spike duplicate recovery was below method acceptance limits; the associated blank spike recovery and matrix spike recovery was acceptable.
S12	Surrogate recovery was low.
PQL	Practical Quantitation Limit
ND	Not Detected
MDL	Method Detection Limit
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.

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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: BED0801 - W Filtration										
Blank (BED0801-BLK1)				Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	0.00			mg/L						
Blank (BED0801-BLK2)				Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	0.100			mg/L						
LCS (BED0801-BS1)				Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	93.0			mg/L	100		93.0	90-110		
Duplicate (BED0801-DUP1)		**Source: WED0874-03**		Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	276			mg/L		276			0.00	20
Matrix Spike (BED0801-MS1)		**Source: WED0874-03**		Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	372			mg/L	100	276	96.0	80-120		
Matrix Spike Dup (BED0801-MSD1)		**Source: WED0874-03**		Prepared: 04/18/24 16:50- Analyzed: 04/18/24 17:04						
TSS	366			mg/L	100	276	90.0	80-120	1.63	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: BED0876 - W 3010 Digest										
Blank (BED0876-BLK1)				Prepared: 04/22/24 09:51- Analyzed: 04/22/24 20:29						
Arsenic	ND		0.00100	mg/L						
LCS (BED0876-BS1)				Prepared: 04/22/24 09:51- Analyzed: 04/22/24 20:34						
Arsenic	0.0509		0.00100	mg/L	0.0500		102	85-115		
Matrix Spike (BED0876-MS1)		**Source: WED0874-03**		Prepared: 04/22/24 09:51- Analyzed: 04/22/24 20:43						
Arsenic	0.0766		0.00100	mg/L	0.0500	0.0235	106	70-130		
Matrix Spike (BED0876-MS2)		**Source: WED0874-12**		Prepared: 04/22/24 09:51- Analyzed: 04/22/24 21:13						
Arsenic	0.0400		0.00100	mg/L	0.0500	<0.000140	80.1	70-130		
Matrix Spike Dup (BED0876-MSD1)		**Source: WED0874-03**		Prepared: 04/22/24 09:51- Analyzed: 04/22/24 20:45						
Arsenic	0.0743		0.00100	mg/L	0.0500	0.0235	102	70-130	3.09	20
Matrix Spike Dup (BED0876-MSD2)		**Source: WED0874-12**		Prepared: 04/22/24 09:51- Analyzed: 04/22/24 21:15						
Arsenic	0.0373		0.00100	mg/L	0.0500	<0.000140	74.6	70-130	7.02	20

Quality Control Data

Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BED0830 - W 245.1 Digest										
Blank (BED0830-BLK1)					Prepared: 04/19/24 10:33- Analyzed: 04/19/24 15:23					
Mercury	ND		0.100	ug/L						
LCS (BED0830-BS1)					Prepared: 04/19/24 10:33- Analyzed: 04/19/24 15:26					
Mercury	5.55		0.100	ug/L	5.60		99.1	85-115		
Matrix Spike (BED0830-MS1)		**Source: WED0874-03**			Prepared: 04/19/24 10:33- Analyzed: 04/19/24 15:36					
Mercury	3.88	M2	0.100	ug/L	5.60	<0.0710	69.3	70-130		
Matrix Spike (BED0830-MS2)		**Source: WED0874-13**			Prepared: 04/19/24 10:33- Analyzed: 04/19/24 16:09					
Mercury	3.16	M2	0.100	ug/L	5.60	<0.0710	56.4	70-130		
Matrix Spike Dup (BED0830-MSD1)		**Source: WED0874-03**			Prepared: 04/19/24 10:33- Analyzed: 04/19/24 15:38					
Mercury	2.52	M2, R12	0.100	ug/L	5.60	<0.0710	45.0	70-130	42.5	20
Matrix Spike Dup (BED0830-MSD2)		**Source: WED0874-13**			Prepared: 04/19/24 10:33- Analyzed: 04/19/24 16:11					
Mercury	3.43	M2	0.100	ug/L	5.60	<0.0710	61.2	70-130	8.19	20

Quality Control Data
(Continued)

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BED1016 - W TPH-Dx										
Blank (BED1016-BLK1)					Prepared: 04/24/24 17:39- Analyzed: 05/07/24 07:51					
Lube Oil	ND		0.0800	mg/L						
Mineral Oil	ND		0.400	mg/L						
Gasoline	ND		0.400	mg/L						
Diesel	ND		0.0800	mg/L						
Surrogate: n-Hexacosane			*0.120*	*mg/L*	*0.200*		*59.9*	*50-150*		
LCS (BED1016-BS1)					Prepared: 04/24/24 17:39- Analyzed: 05/07/24 08:46					
Diesel	0.776		0.0800	mg/L	1.00		77.6	70-130		
Surrogate: n-Hexacosane			*0.176*	*mg/L*	*0.200*		*87.7*	*50-150*		
LCS Dup (BED1016-BSD1)					Prepared: 04/24/24 17:39- Analyzed: 05/07/24 10:35					
Diesel	0.915		0.0800	mg/L	1.00		91.5	70-130	16.4	20
Surrogate: n-Hexacosane			*0.145*	*mg/L*	*0.200*		*72.3*	*50-150*		
Duplicate (BED1016-DUP1)		**Source: WED0874-03**			Prepared: 04/24/24 17:39- Analyzed: 05/07/24 11:31					
Lube Oil	ND		0.0800	mg/L		<0.0460				200
Mineral Oil	ND		0.400	mg/L		<0.160				200
Gasoline	ND		0.400	mg/L		<0.160				200
Diesel	ND		0.0800	mg/L		<0.0520				200
Surrogate: n-Hexacosane		*S12*	*0.0608*	*mg/L*	*0.200*		*30.3*	*50-150*		
Matrix Spike (BED1016-MS1)		**Source: WED0874-02**			Prepared: 04/24/24 17:39- Analyzed: 05/07/24 12:26					
Diesel	0.796		0.0800	mg/L	1.00	<0.0520	79.6	70-130		
Surrogate: n-Hexacosane			*0.126*	*mg/L*	*0.200*		*62.8*	*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: BEE0703 - SVOC Water										
Blank (BEE0703-BLK1)					Prepared: 04/19/24 00:21- Analyzed: 05/24/24 21:53					
Permethrin	ND		0.500	ug/L						
Atrazine	ND		0.100	ug/L						
Metolachlor	ND		0.100	ug/L						
Surrogate: Terphenyl-d14			*24.5*	*ug/L*	*25.0*		*98.1*	*25-135*		
LCS (BEE0703-BS1)					Prepared: 04/19/24 00:21- Analyzed: 05/24/24 20:29					
Atrazine	4.92		0.100	ug/L	5.00		98.4	60-125		
Metolachlor	5.14		0.100	ug/L	5.00		103	60-125		
Surrogate: Terphenyl-d14			*25.2*	*ug/L*	*25.0*		*101*	*25-135*		
Matrix Spike (BEE0703-MS1)		**Source: WED0874-03**			Prepared: 04/19/24 00:21- Analyzed: 05/24/24 20:57					
Metolachlor	5.34		0.100	ug/L	5.00	ND	107	40-140		
Atrazine	4.84		0.100	ug/L	5.00	<0.0495	96.8	40-140		
Surrogate: Terphenyl-d14			*23.4*	*ug/L*	*25.0*		*93.5*	*60-130*		
Matrix Spike Dup (BEE0703-MSD1)		**Source: WED0874-03**			Prepared: 04/19/24 00:21- Analyzed: 05/24/24 21:25					
Atrazine	4.91		0.100	ug/L	5.00	<0.0495	98.2	40-140	1.44	40
Metolachlor	5.44		0.100	ug/L	5.00	ND	109	40-140	1.86	40
Surrogate: Terphenyl-d14			*24.5*	*ug/L*	*25.0*		*98.0*	*60-130*		

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 (form. Cardno-GS)	Project Manager: Benjamin Berridge
Address: 737 Bishop St Suite 3050	Project Name & # : ADC Water Quality Monitoring
City: Honolulu State: HI Zip: 96813	Email Address : benjamin.berridge@stantecgs.com
Phone: (808) 476-0067	Purchase Order #:
Fax:	Sampler Name & phone:

Turn Around Time & Reporting

Please refer to our normal turn around times at:
http://www.anateklabs.com/services/guidelines/reporting.asp

- ✓ Normal
- __ Next Day*
- __ 2nd Day*
- __ Other*_____

*All rush order requests must be prior approved.

- __ Phone
- __ Mail
- __ Fax
- ✓ Email

Provide Sample Description

Storm water samples

List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:	# of Containers	Sample Volume	TSS EPA 160.2	TPH HCID - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1	Pesticides-EPA 625 SIM Permethrin, Atrazine & Metolachlor	Glyphosate EPA 547	Paraquat Dichloride EPA		
	WW-3	4-12-2024 / 10:50 HST	Water		7		X	X	X	X	X	X		X		
	WW-6	4-12-2024 / 09:45 HST	Water		5		X	X	X	X	X					
	E-1	4-12-2024 / 10:50 HST	Water		7		X	X	X	X	X	X		X		
	E-1 DUP	4-12-2024 / 11:00 HST	Water		7		X	X	X	X	X	X		X		
	E-1 MS/MSD	4-12-2024 / 11:10 HST	Water		7		X	X	X	X	X	X		X		
	D-2	4-12-2024 / 10:10 HST	Water		5		X	X	X	X	X					
	D-3	4-12-2024 / 10:25 HST	Water		5		X	X	X	X	X					
	D-4	4-12-2024 / 10:35 HST	Water		5		X	X	X	X	X					
	D-6	4-12-2024 / 11:00 HST	Water		5		X	X	X	X	X					
	D-7	4-12-2024 / 10:25 HST	Water		5		X	X	X	X	X					
	D-8	4-12-2024 / 09:45 HST	Water		5		X	X	X	X	X					
	U-2/WW-5	4-12-2024 / 12:00 HST	Water		5		X	X	X	X	X					
	U-3/WW-4	4-12-2024 / 09:40 HST	Water		5		X	X	X	X	X					

Note Special Instructions/Comments

**Please do not conduct TPH GRO analysis until Cardno confirms it should be run.

	Printed Name	Signature	Company	Date	Time
Relinquished by	Angelica Deines		Stantec	4-15-24	14:00
Received by	Kathleen A. Sattler	Kathleen A. Sattler	Anatek Labs	4-17-24	1100
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

See Attached

Temperature (°C):_____

Preservative:_____

Date & Time:_____

Inspected By:_____

1Form COC01.00 - Eff 1 Mar 2015

Anatek Labs, Inc.

Sample Receipt and Preservation Form

WED0874

Due: 05/02/24

Client Name: Stantec Project:

TAT: (Normal) RUSH: _____ days

Samples Received From: (FedEx) UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: (Yes) No Custody Seals Intact: (Yes) No N/A

Number of Coolers/Boxes: 3 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

Packing Material: (Bubble Wrap) (Bags) Foam/Peanuts None Other: _____

Cooler Temp As Read (°C): _____ Cooler Temp Corrected (°C): _____ Thermometer Used: IR#14

Cooler 1 2.2 Cooler 2 0.4 Cooler 3 2.0

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	(Yes)	No	N/A	
VOC Vials Free of Headspace (<6mm)?	(Yes)	No	N/A	
VOC Trip Blanks Present?	Yes	No	(N/A)	
Labels and Chains Agree?	(Yes)	No	N/A	
Total Number of Sample Bottles Received: _____				

Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	(Yes)	No	Unknown	

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

G1000mL HCl 2303484
G44mL HCl 59072 pH <2 2102558
P1000mL unpreserved
P250 mL unpreserved

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

Received/Inspected By: Kathleen A. Sattler Date/Time: 4-18-2024

Starting sequence Fri May 24 16:44:03 2024

Instrument Name: MSD4
Sequence File: T:\DATA1\MSD4\SEQUENCES\2024\052424C.S
Comment: CARDNO 625
Operator: MAH
Data Path: T:\DATA1\MSD4\2024\MAY\25C\
Method Path: C:\MSDCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	00101001	SVOCT1	SYS
2)	Sample	2	00201002	CARDSIM	CARDNO 10 PPM
3)	Sample	3	00301003	CARDSIM	CARDNO 5 PPM
4)	Sample	4	00401004	CARDSIM	CARDNO 2.5 PPM
5)	Sample	5	00501005	CARDSIM	CARDNO 1 PPM
6)	Sample	6	00601006	CARDSIM	CARDNO 0.5 PPM
7)	Sample	7	00701007	CARDSIM	CARDNO 0.1 PPM
8)	Sample	8	00801008	CARDSIM	CARDNO 0.05 PPM
9)	Sample	11	01101009	CARDSIM	BEE0703-BS1
10)	Sample	12	01201010	CARDSIM	BEE0703-MS1
11)	Sample	13	01301011	CARDSIM	BEE0703-MSD1
12)	Sample	14	01401012	CARDSIM	BEE0703-BLK1
13)	Sample	15	01501013	CARDSIM	WED0874-01
14)	Sample	16	01601014	CARDSIM	WED0874-03
15)	Sample	17	01701015	CARDSIM	WED0874-04

Sequence completed Fri May 24 23:37:08 2024

T:\DATA1\MSD4\2024\MAY\25C\2024 May 24 1644 Quality Log.LOG
T:\DATA1\MSD4\2024\MAY\25C\2024 May 24 1644 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	2303399	11/24	1000
CLP Internal Standard	2400200	1/25	2000

Target Compound Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
Chlorpyrifos	2302538	5/26	1000
Metolachlor	2302539	12/27	1000
Atrazine	2302537	10/27	1000

Calibration Dilution Template

Desired Concentration (ppm)	Stock Concentration (ppm) **	uL Standard Added	Final Volume (uL)
10	100	100	1000
5	100	50	1000
2.5	100	25	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 $MeCl_2$ (2301678).

Analyst Initials: MAH Date of Preparation: 2/1/24

PREPARATION BENCH SHEET
Organics

BEE0703

Matrix: Water **Prepared using:** SVOC - SVOC Water

Analyses	Spiking Solution(s)	Surrogate Solution(s)
SVOC 625 MISC	2400673 Cardno Spk 100	2301428 CLP Acid Surr 2000 2303399 CLP B/N 1000

Analysis	Lab Number	Sample and Source ID	Date Due	Extract by	Prepared - By	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
QC	BEE0703-BLK1	Blank			4/19/24 0:21 MAH	1000	1		25	
QC	BEE0703-BS1	LCS			4/19/24 0:21 MAH	1000	1	50	25	
QC	BEE0703-MS1	Matrix Spike [WED0874-03]			4/19/24 0:21 MAH	1000	1	50	25	
QC	BEE0703-MSD1	Matrix Spike Dup [WED0874-03]			4/19/24 0:21 MAH	1000	1	50	25	
SVOC 625 MISC	WED0874-01	WW-3	04/30/2024	04/19/2024	4/19/24 0:21 MAH	1015	1		25	
SVOC 625 MISC	WED0874-03	E-1	04/30/2024	04/19/2024	4/19/24 0:21 MAH	1011	1		25	
SVOC 625 MISC	WED0874-04	E-1 DUP	04/30/2024	04/19/2024	4/19/24 0:21 MAH	958	1		25	

Reagents

Standard	Description	LotNum
2000154	Acetone - GC grade	59074
2300314	H2SO4	62089
2400200	CLP I.S. Spike 2000	061422

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

Analyst: MK Date: _____ Run Date: 5-24-24 Date: _____

C:\Promium\Element\Print\bch_Organics_ls.rpt

DFTPP

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 00101001.D
Acq On : 24 May 2024 4:49 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

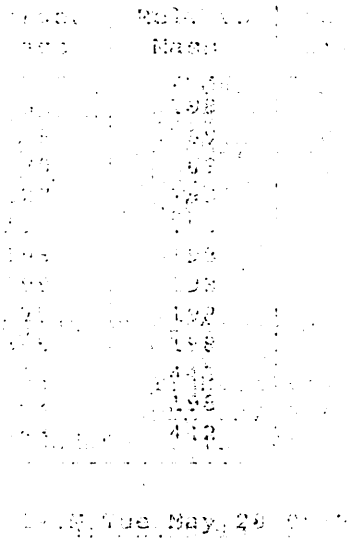
Integration File: autoint1.e

Method : T:\Data1\MSD4\METHODS\2024\BNA-0517.M
Title : EPA 8270D / EPA 625.1 - MSD4
Last Update : Tue May 21 14:59:10 2024

AutoFind: Scans 1915, 1916, 1917; Background Corrected with Scan 1901

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.9	317147	PASS
68	69	0.00	2	1.5	5209	PASS
70	69	0.00	2	0.5	1621	PASS
127	198	10	80	51.5	467691	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	908629	PASS
199	198	5	9	6.8	61467	PASS
275	198	10	60	27.1	246549	PASS
365	198	1	100	3.6	32757	PASS
441	443	0.01	150	76.0	133387	PASS
442	198	30	200	100.4	912597	PASS
443	442	15	24	19.2	175488	PASS

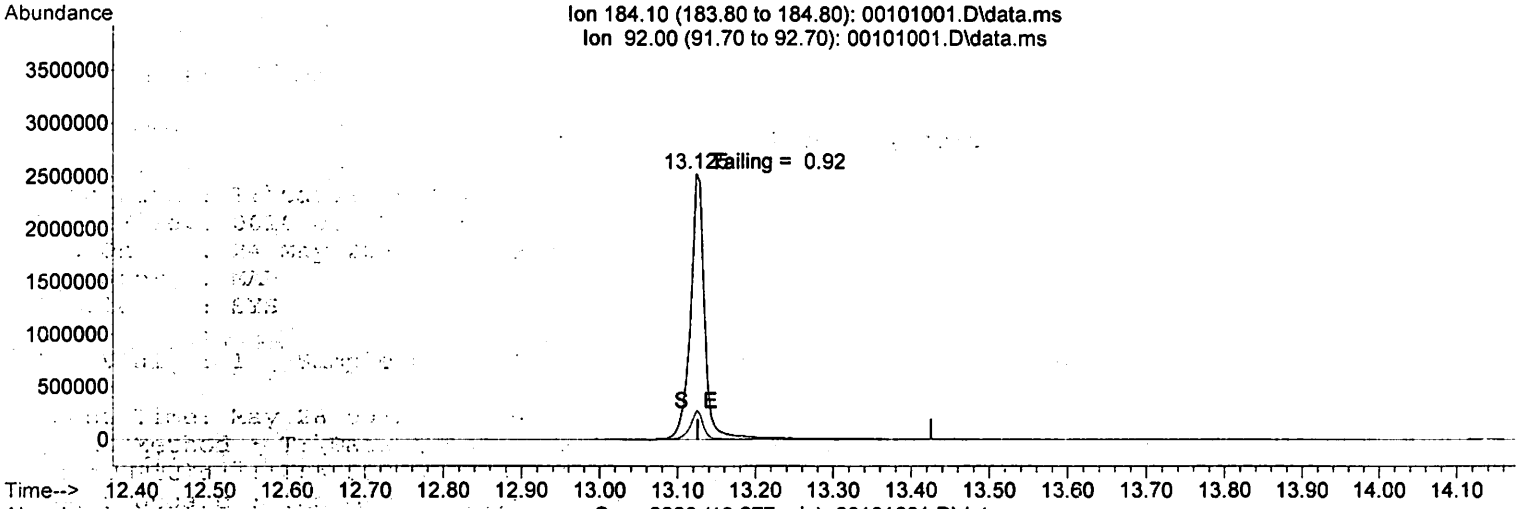
BNA-0517.M Tue May 28 09:22:31 2024

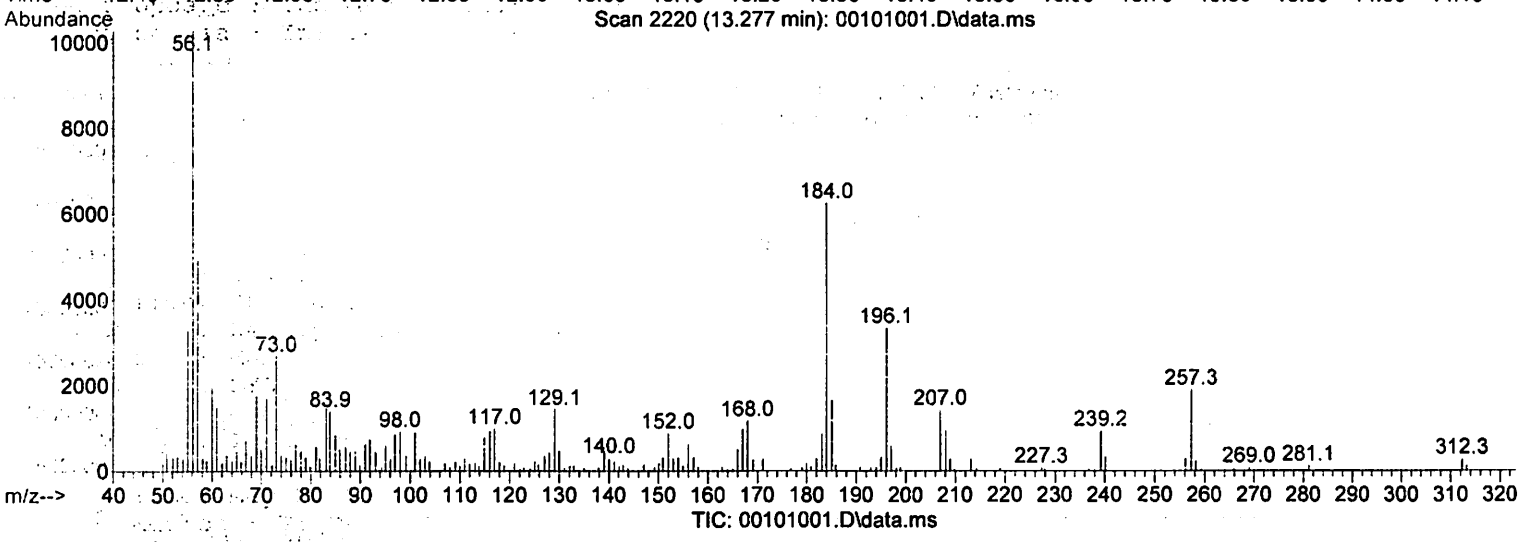


Quantitation Report (Qedit)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 00101001.D
Acq On : 24 May 2024 4:49 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 28 09:23:31 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\BNA-0517.M
Quant Title : EPA 8270D / EPA 625.1 - MSD4
QLast Update : Tue May 21 14:59:10 2024
Response via : Initial Calibration





(74) Benzidine

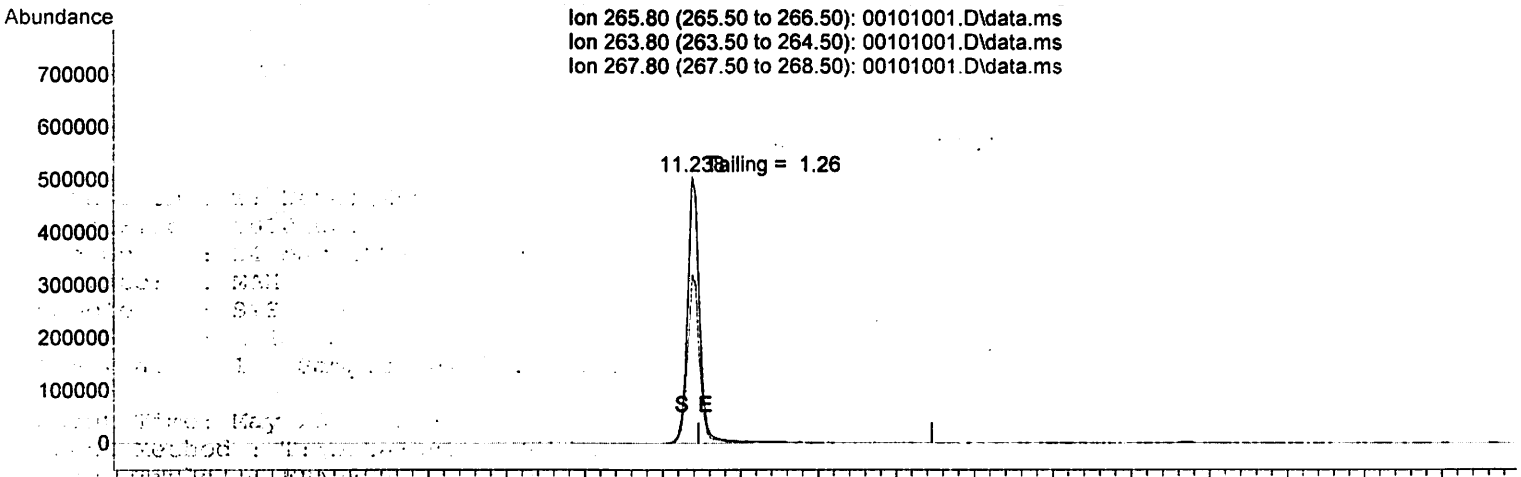
13.276min (-13.276) 0.00 ug/mL

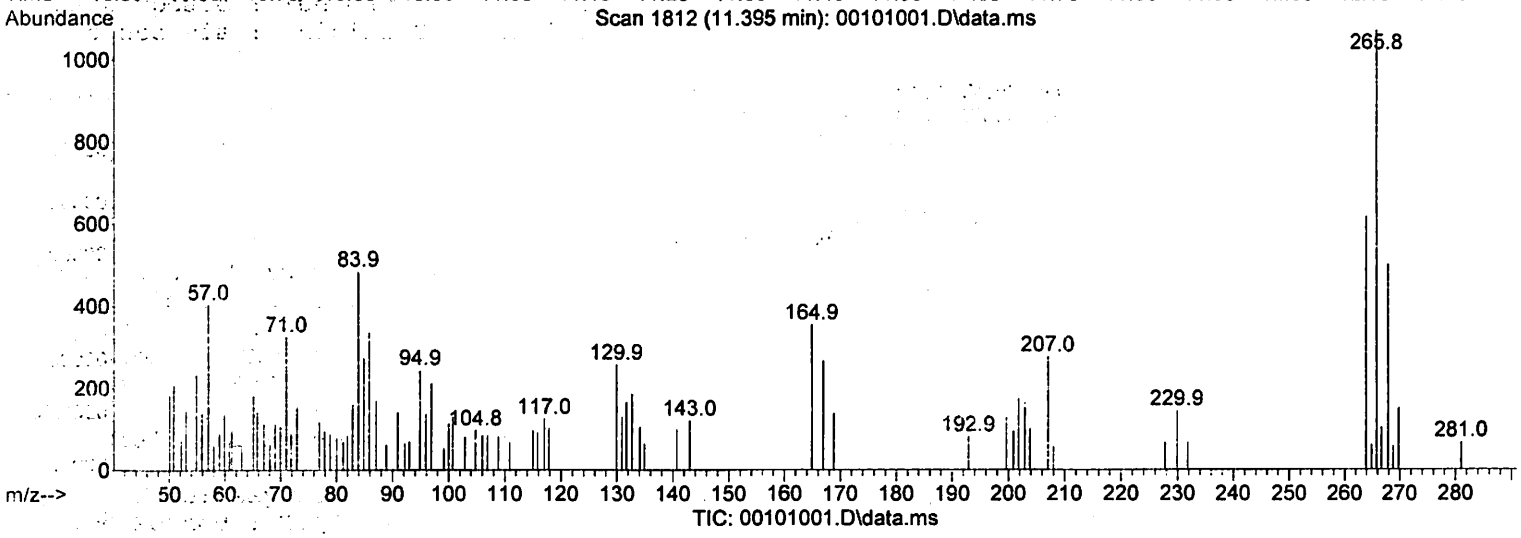
response 0

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

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 00101001.D
Acq On : 24 May 2024 4:49 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 28 09:23:31 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\BNA-0517.M
Quant Title : EPA 8270D / EPA 625.1 - MSD4
QLast Update : Tue May 21 14:59:10 2024
Response via : Initial Calibration



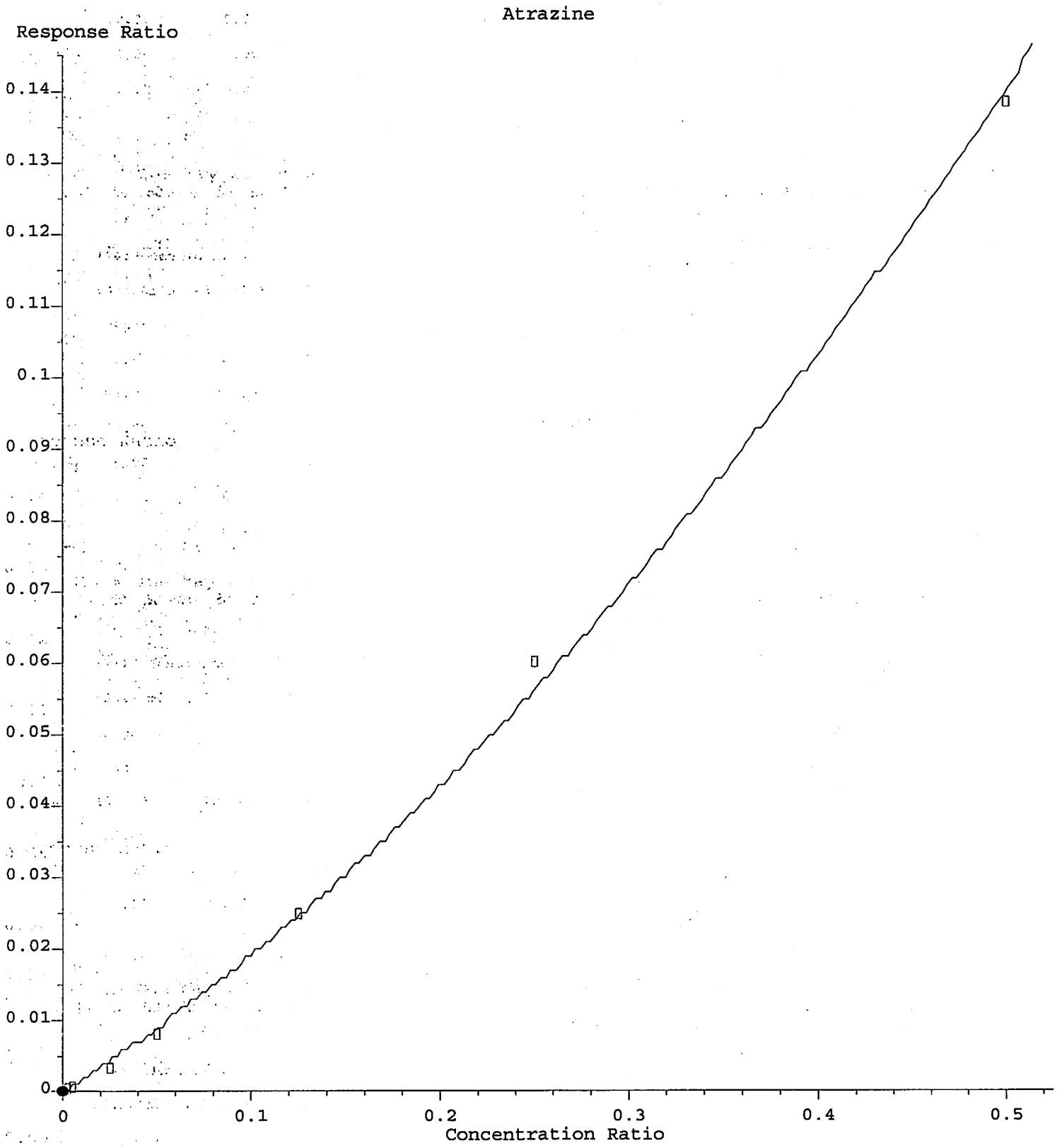


(68) Pentachlorophenol

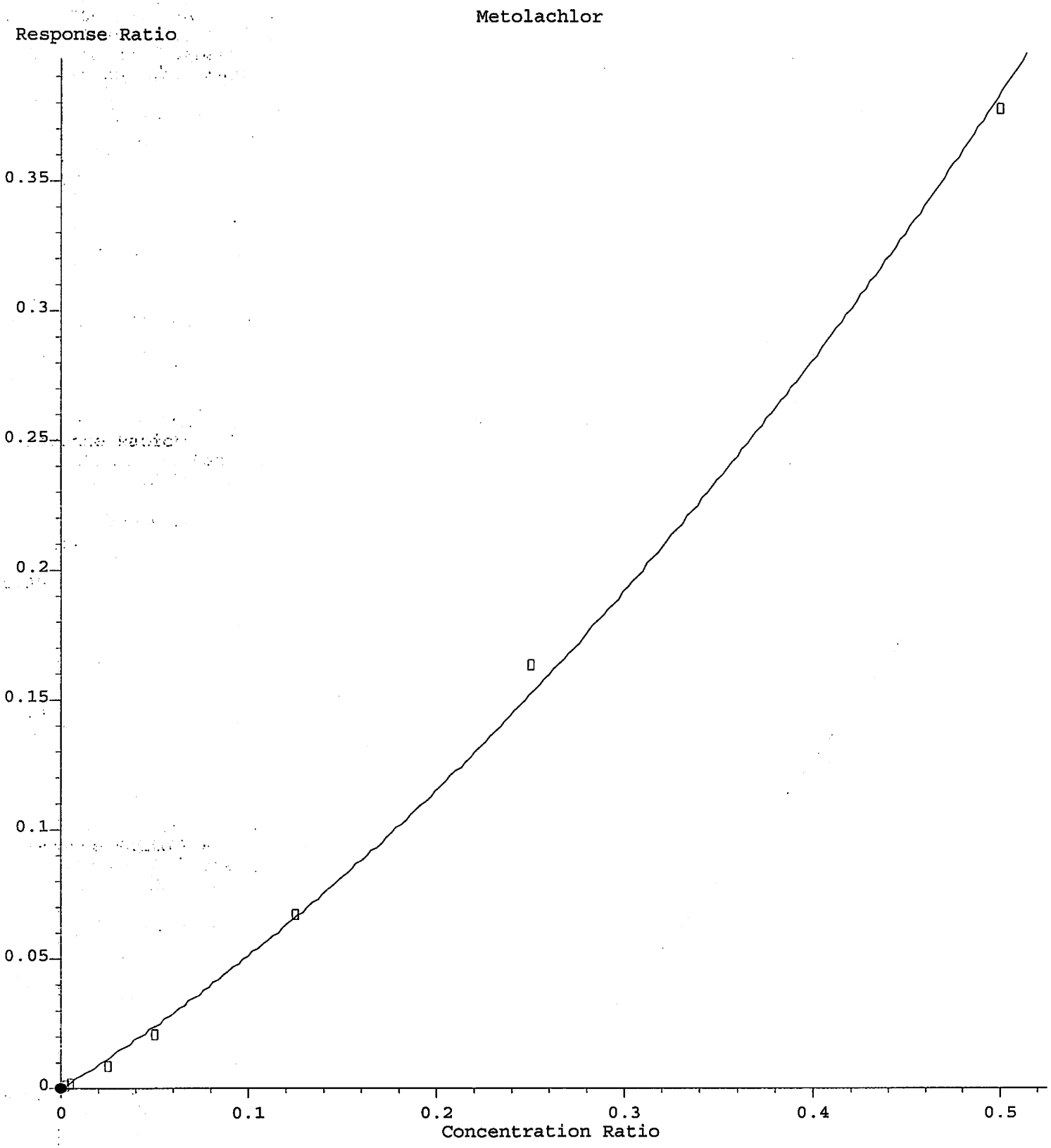
11.396min (-11.396) 0.00 ug/mL

response 0

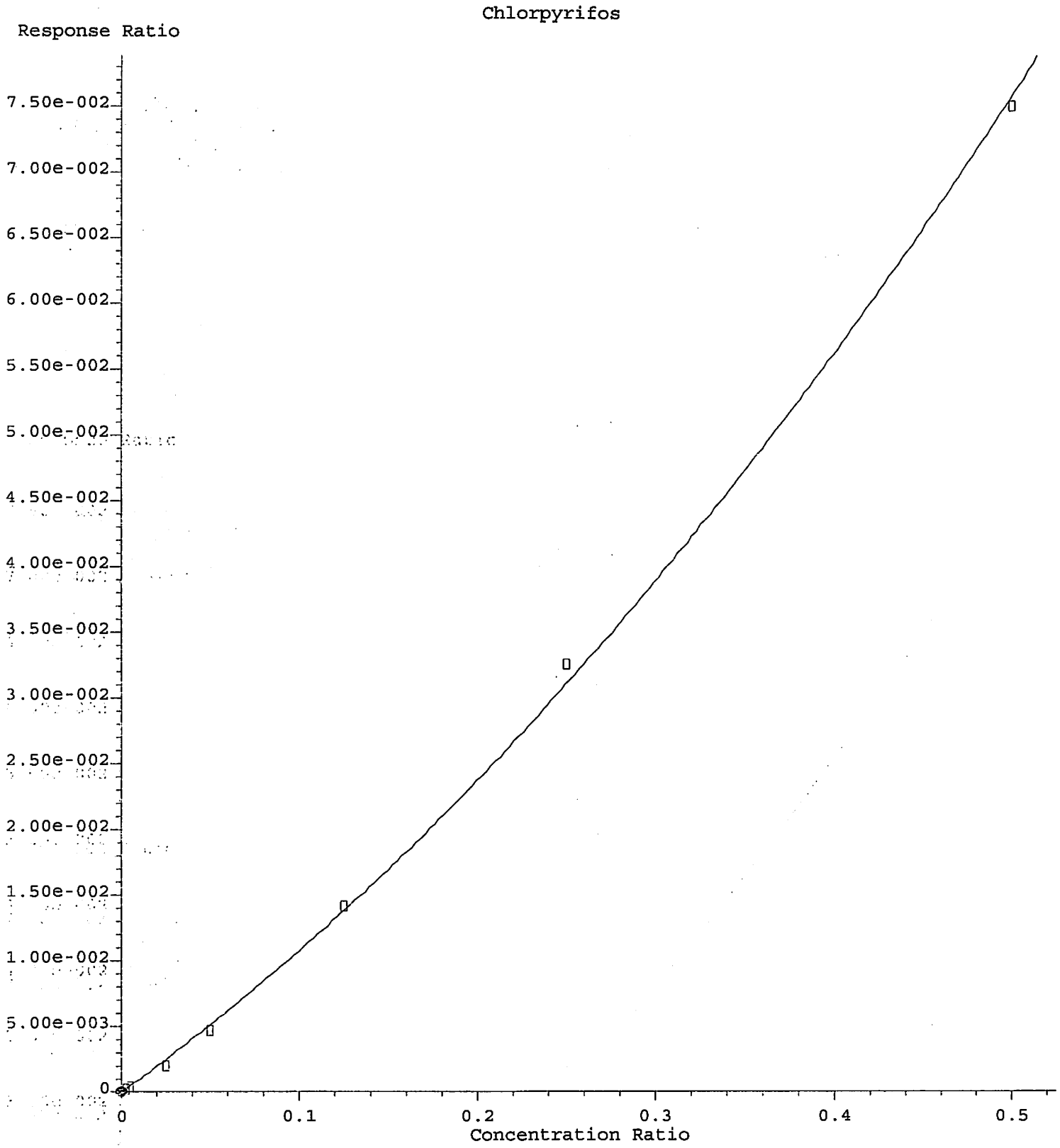
Ion	Exp%	Act%
265.80	100.00	0.00
263.80	62.60	0.00#
267.80	63.30	0.00#
0.00	0.00	0.00



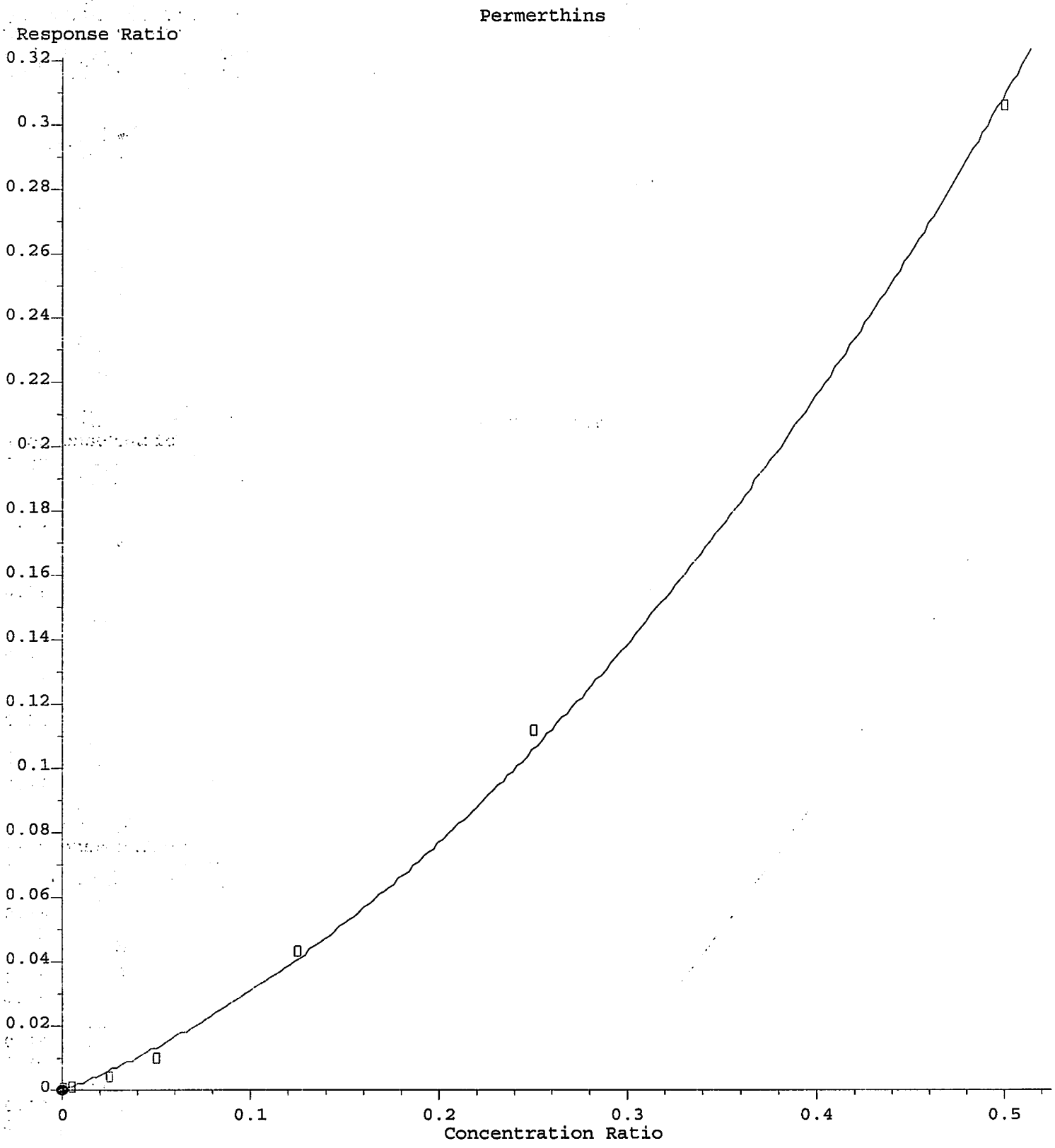
R = 2.26e-001 A*A + 1.69e-001 A + 0.00e+000
Coef of Det (r^2) = 0.998 Curve Fit: Quad w(1/a)/(0,0)
Method Name: T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Calibration Table Last Updated: Tue May 28 09:35:30 2024



R = 6.39e-001 A*A + 4.49e-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\2024\Cardo-0524.M
Calibration Table Last Updated: Tue May 28 09:35:30 2024



R = 1.11e-001 A*A + 9.66e-002 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\2024\Cardo-0524.M
Calibration Table Last Updated: Tue May 28 09:35:30 2024



R = 7.80e-001 A*A + 2.29e-001 A + 0.00e+000
Coef of Det (r^2) = 0.997 Curve Fit: Quad w(1/a)/(0,0)
Method Name: T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Calibration Table Last Updated: Tue May 28 09:35:30 2024

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01101009.D
Acq On : 24 May 2024 8:29 pm
Operator : MAH
Sample : BEE0703-BS1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 09:39:00 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.666	164	60001362	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.685	240	24484414	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	38523496	25.18	ug/mL	0.00
Spiked Amount 25.000			Recovery =	100.72%		
Target Compounds						Qvalue
2) Atrazine	11.160	200	3312035	4.92	ug/mL	97
3) Metolachlor	12.344	162	9458320	5.14	ug/mL	99
4) Chlorpyrifos	12.353	197	1827341	4.92	ug/mL	100
7) Permerthins	15.504	183	2388028m	4.72	ug/mL	

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01201010.D
Acq On : 24 May 2024 8:57 pm
Operator : MAH
Sample : BEE0703-MS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 09:39:56 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.667	164	79077724	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.686	240	32016535	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.438	244	46752273	23.37	ug/mL	0.00
Spiked Amount 25.000			Recovery =	93.48%		
Target Compounds						Qvalue
2) Atrazine	11.162	200	4277118	4.84	ug/mL	98
3) Metolachlor	12.345	162	13097470	5.34	ug/mL	99
4) Chlorpyrifos	12.354	197	2330709	4.79	ug/mL	99
7) Permerthins	15.504	183	3848604m	5.44	ug/mL	

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01301011.D
Acq On : 24 May 2024 9:25 pm
Operator : MAH
Sample : BEE0703-MSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 28 09:41:29 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.667	164	81871341	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.685	240	31848675	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	48749723	24.49	ug/mL	0.00
Spiked Amount 25.000			Recovery =	97.96%		
Target Compounds						Qvalue
2) Atrazine	11.162	200	4507848	4.91	ug/mL	97
3) Metolachlor	12.344	162	13866969	5.44	ug/mL	100
4) Chlorpyrifos	12.353	197	2472159	4.89	ug/mL	100
7) Permerthins	15.506	183	2886866	4.49	ug/mL#	69

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01401012.D
Acq On : 24 May 2024 9:53 pm
Operator : MAH
Sample : BEE0703-BLK1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 09:42:44 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.667	164	74111396	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.685	240	26978156	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	41339041	24.52	ug/mL	0.00
Spiked Amount 25.000			Recovery = 98.08%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01501013.D
Acq On : 24 May 2024 10:20 pm
Operator : MAH
Sample : WED0874-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 28 09:43:14 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.666	164	62347946	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.684	240	20150160	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	31129267	24.72	ug/mL	0.00
Spiked Amount 25.000			Recovery = 98.88%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01601014.D
Acq On : 24 May 2024 10:49 pm
Operator : MAH
Sample : WED0874-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 09:43:53 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.666	164	68022757	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.685	240	27049878	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	38051837	22.51	ug/mL	0.00
Spiked Amount 25.000			Recovery =	90.04%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2024\MAY\25C\
Data File : 01701015.D
Acq On : 24 May 2024 11:16 pm
Operator : MAH
Sample : WED0874-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 28 09:44:49 2024
Quant Method : T:\Data1\MSD4\METHODS\2024\Cardo-0524.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Tue May 28 09:38:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Acenaphthene-d10	9.665	164	64554837	20.00	ug/mL	# 0.00
5) Chrysene-d12	14.685	240	28677406	20.00	ug/mL	0.00
System Monitoring Compounds						
6) Terphenyl-d14	13.437	244	37546190	20.95	ug/mL	0.00
Spiked Amount 25.000			Recovery =	83.80%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10002.D Vial: 1
Acq On : 06 May 2024 16:19 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:19 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

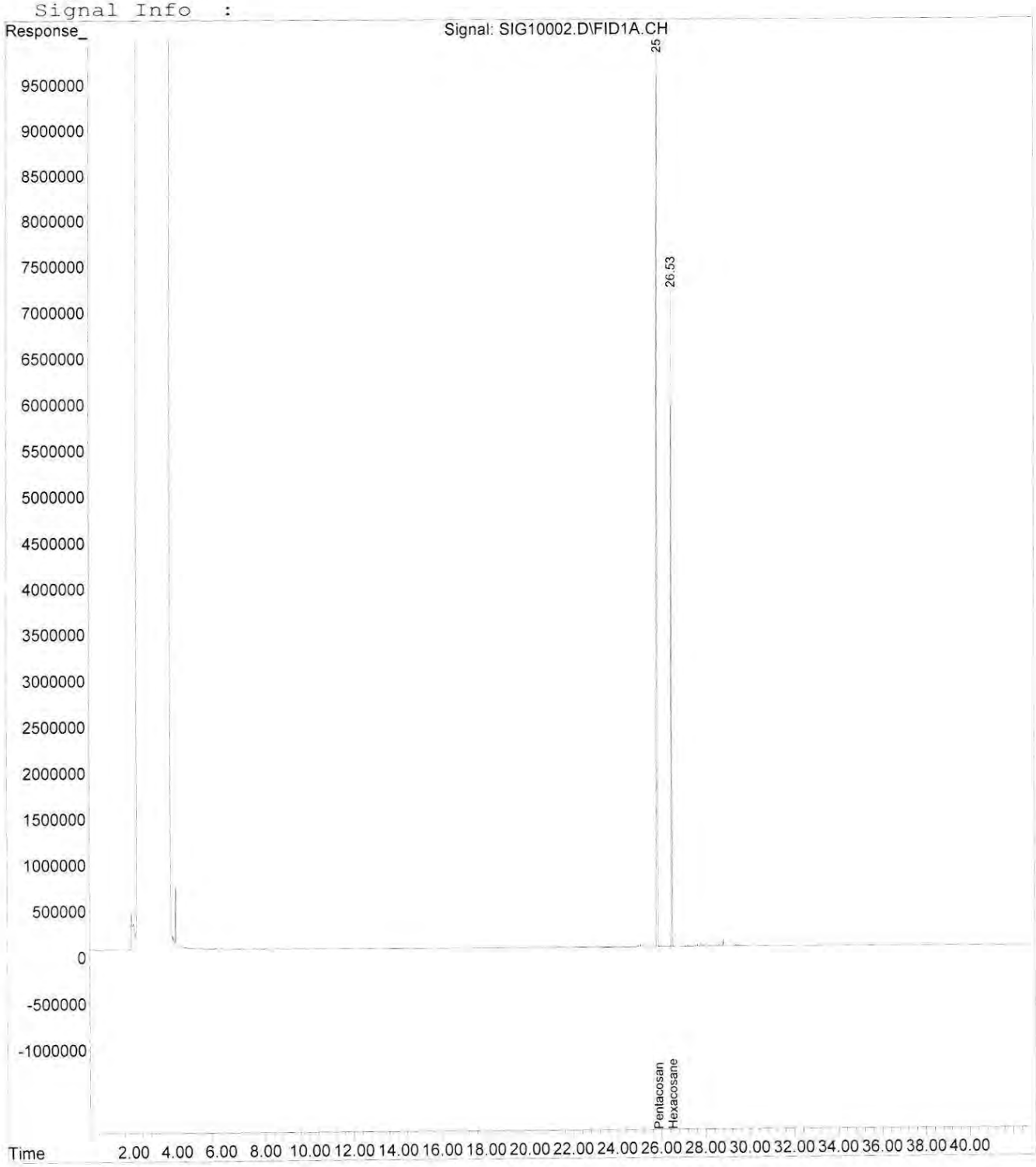
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	25.88	241120984	50.000 ppm
System Monitoring Compounds			
2) S Hexacosane	26.52	123784923	44.755 ppm
Spiked Amount 50.000	Range 50 - 150	Recovery =	89.51%
Target Compounds			
3) H TPH Diesel (C12-C14)	0.00	0	N.D. ppm
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H Mineral Oil	0.00	0	N.D. ppm
6) h HCID Gas (C7-C12)	0.00	0	N.D. ppm
7) h HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h HCID Oil (>C14)	0.00	0	N.D. ppm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10002.D Vial: 1
Acq On : 06 May 2024 16:19 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 7 7:46 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10003.D Vial: 2
Acq On : 06 May 2024 17:15 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:20 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

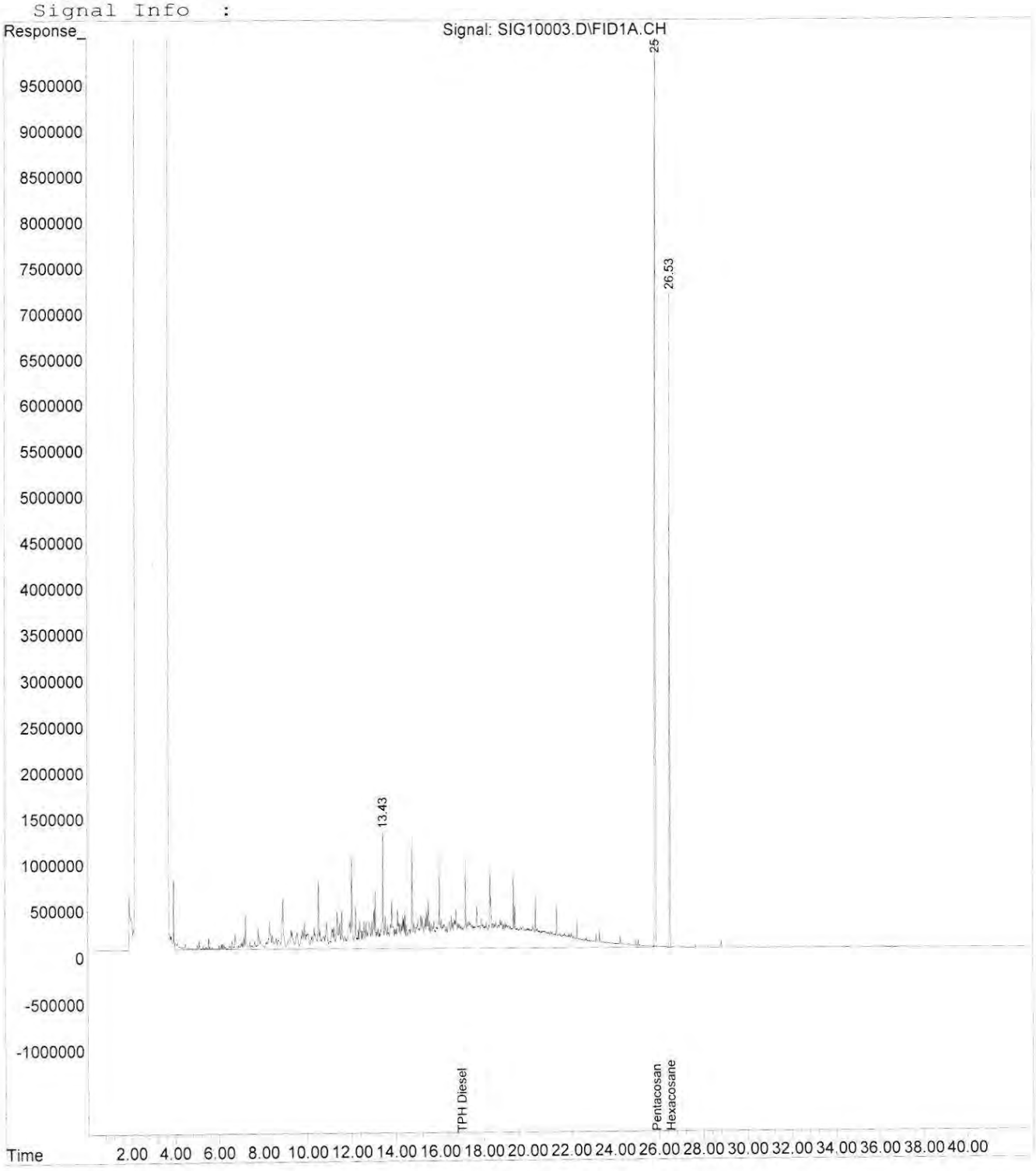
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	241434221	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	129477475	46.752	ppm	
Spiked Amount 50.000	Range 50 - 150	Recovery =	93.50%		
Target Compounds					
3) H TPH Diesel (C12-C14)	17.00	1891380637	548.623	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10003.D Vial: 2
Acq On : 06 May 2024 17:15 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 13:46 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10004.D Vial: 3
Acq On : 06 May 2024 18:11 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:21 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

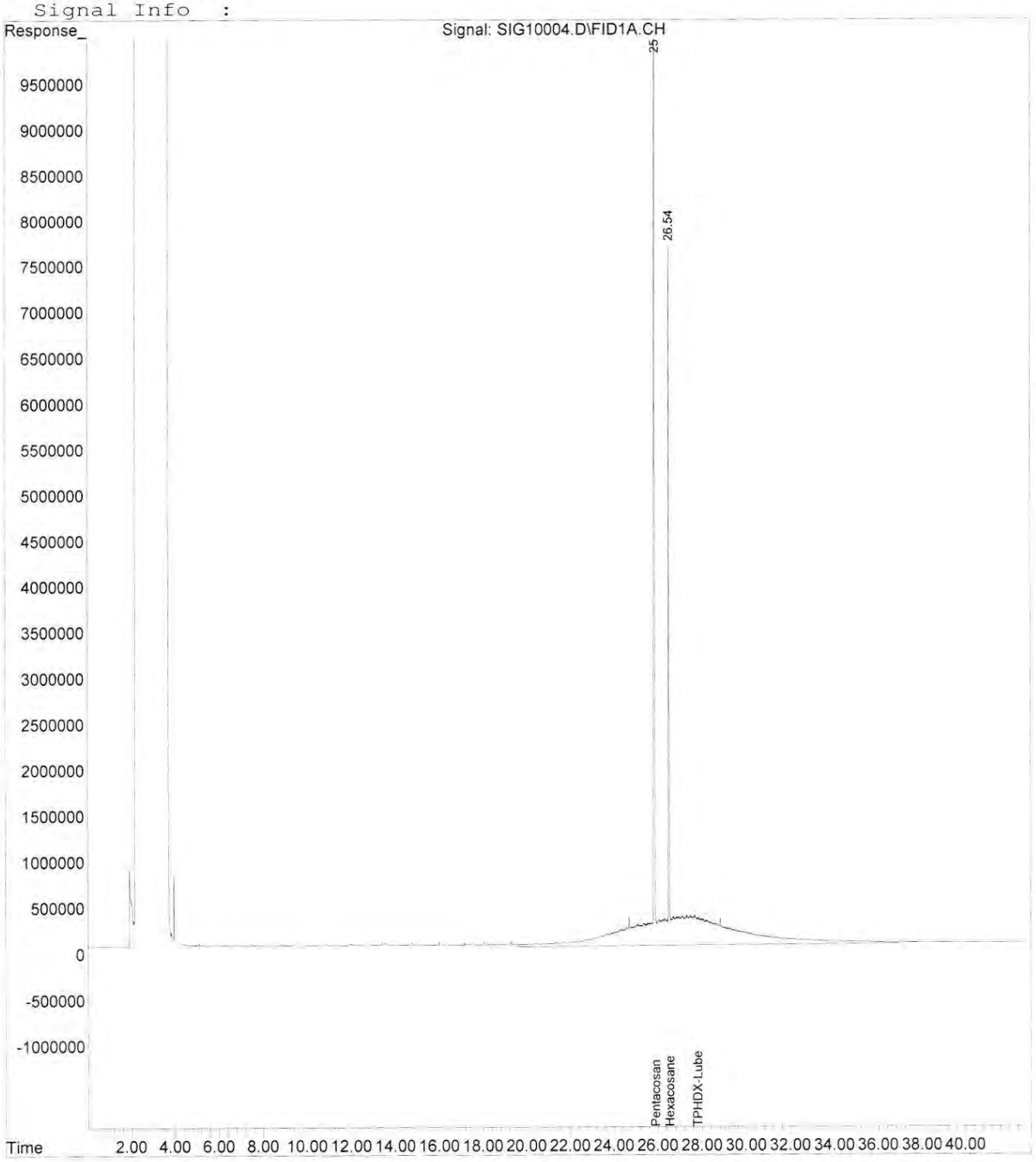
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	271051202	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.54	143934589	46.293	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	92.59%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	27.80	1197891360	886.689	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10004.D Vial: 3
Acq On : 06 May 2024 18:11 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 13:47 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10005.D Vial: 4
Acq On : 06 May 2024 19:07 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:23 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	236680241	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	122969425	45.294	ppm	
Spiked Amount 50.000	Range 50 - 150	Recovery =	90.59%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	20.00	4174003682	1054.171	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

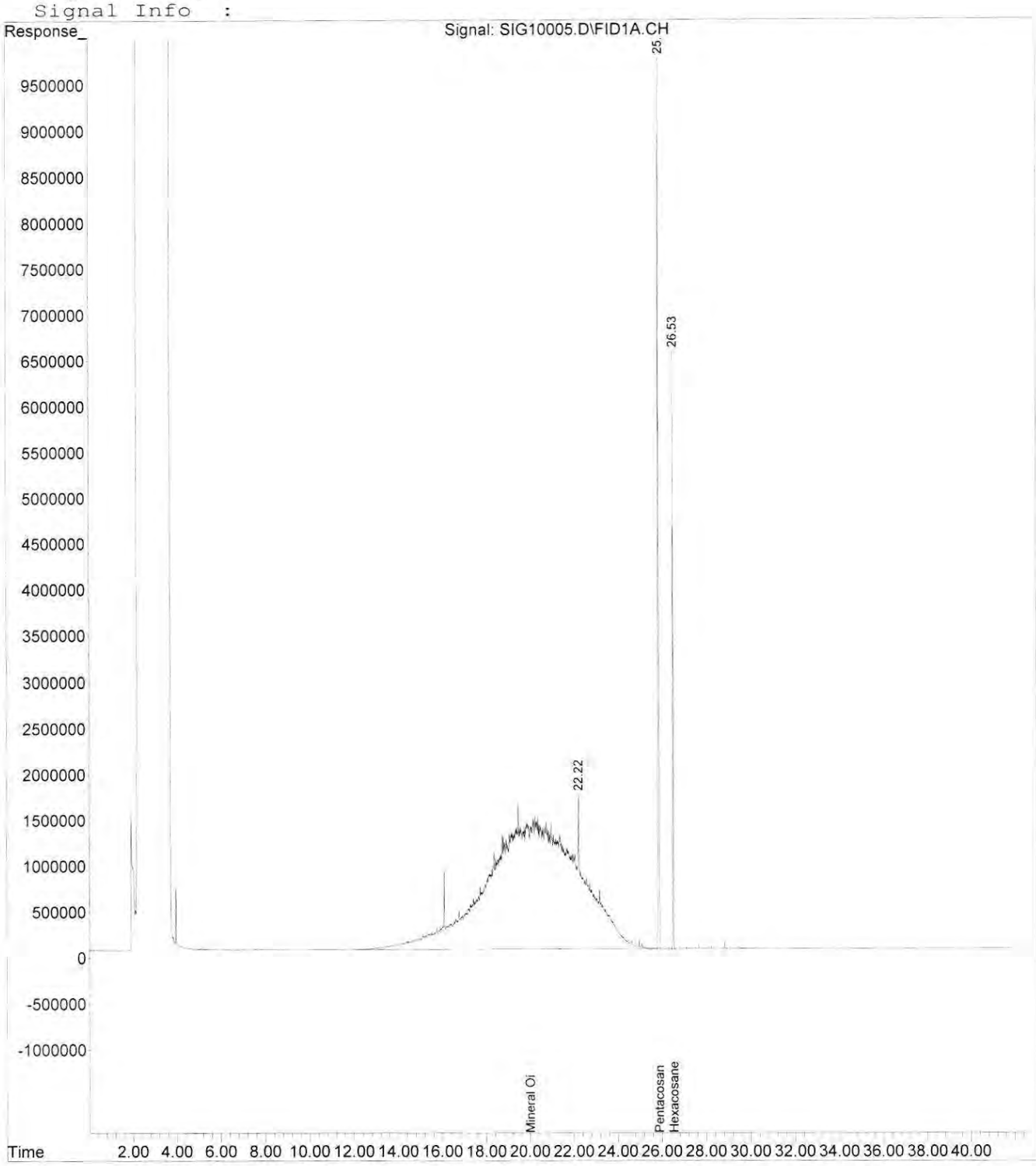
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10005.D Vial: 4
Acq On : 06 May 2024 19:07 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 13:48 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10006.D Vial: 5
Acq On : 06 May 2024 20:02 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:24 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

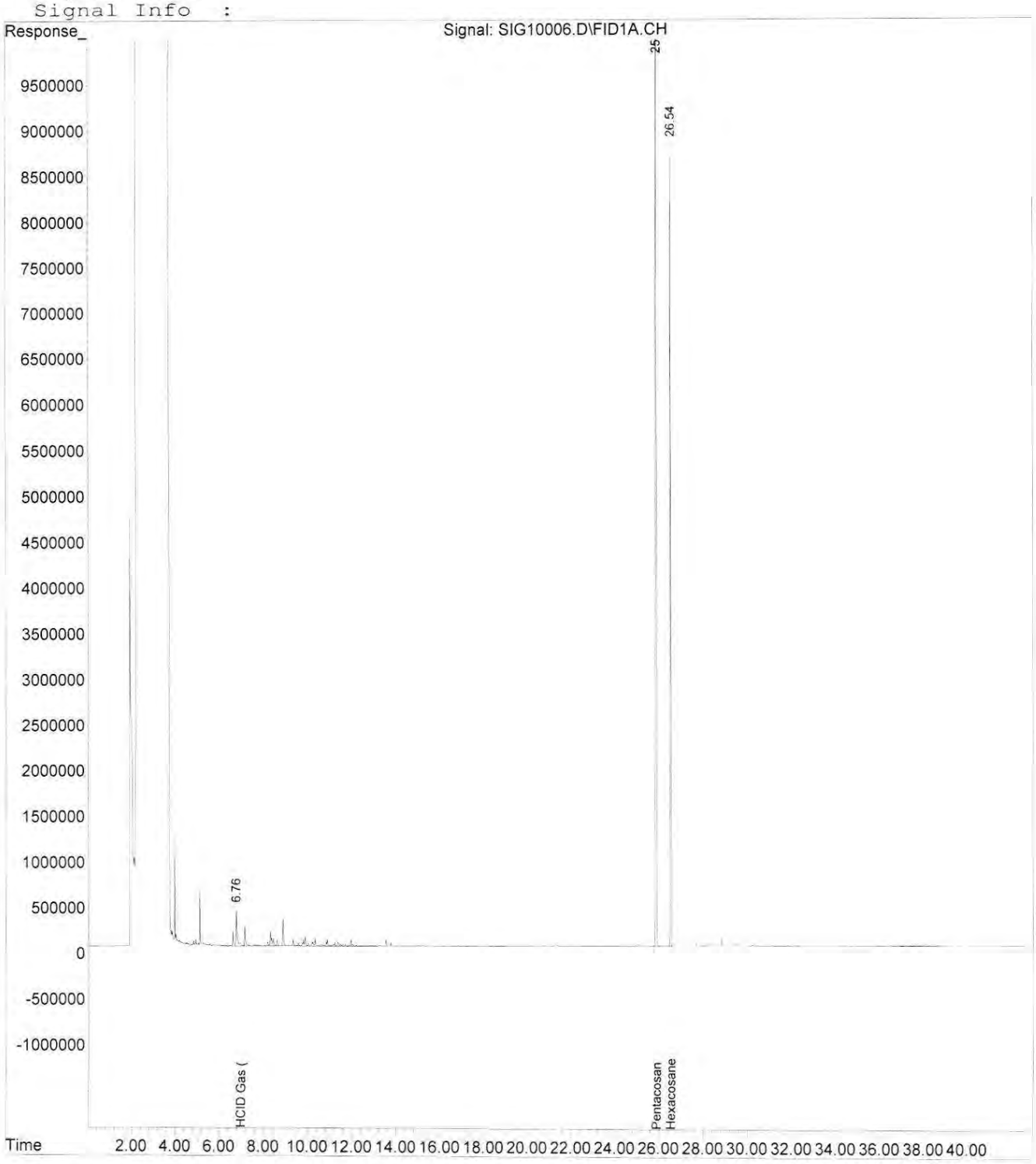
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	25.88	310552277	50.000 ppm
System Monitoring Compounds			
2) S Hexacosane	26.53	168728156	47.365 ppm
Spiked Amount 50.000	Range 50 - 150	Recovery =	94.73%
Target Compounds			
3) H TPH Diesel (C12-C14)	0.00	0	N.D. ppm
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H Mineral Oil	0.00	0	N.D. ppm
6) h HCID Gas (C7-C12)	7.00	73779374	38.330 ppm
7) h HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h HCID Oil (>C14)	0.00	0	N.D. ppm

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10006.D Vial: 5
Acq On : 06 May 2024 20:02 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 7 7:47 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10007.D Vial: 6
Acq On : 06 May 2024 20:57 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:25 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	Pentacosane	25.88	244389211	50.000 ppm
	System Monitoring Compounds			
2) S	Hexacosane	26.52	122033388	43.531 ppm
Spiked Amount	50.000	Range 50 - 150	Recovery =	87.06%
	Target Compounds			
3) H	TPH Diesel (C12-C14)	17.00	1596887115	457.600 ppm
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H	Mineral Oil	0.00	0	N.D. ppm
6) h	HCID Gas (C7-C12)	0.00	0	N.D. ppm
7) h	HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h	HCID Oil (>C14)	0.00	0	N.D. ppm

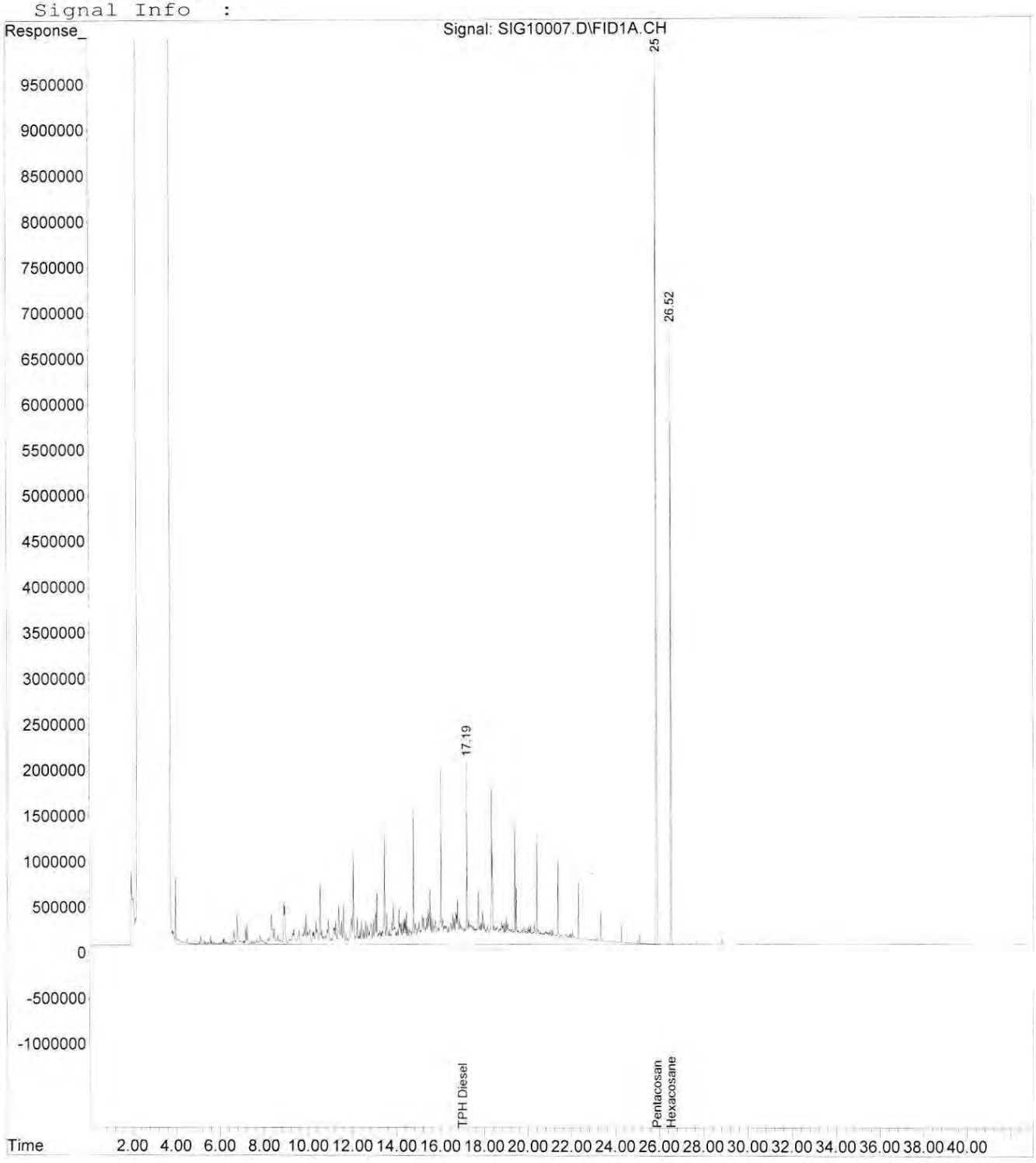
(f)=RT Delta > 1/2 Window (m)=manual int.
SIG10007.D 040824C.M Fri Jun 21 17:38:16 2024

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10007.D Vial: 6
Acq On : 06 May 2024 20:57 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 7 7:47 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10019.D Vial: 28
Acq On : 07 May 2024 7:51 Operator: ARY
Sample : BED1016-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 14:05:49 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

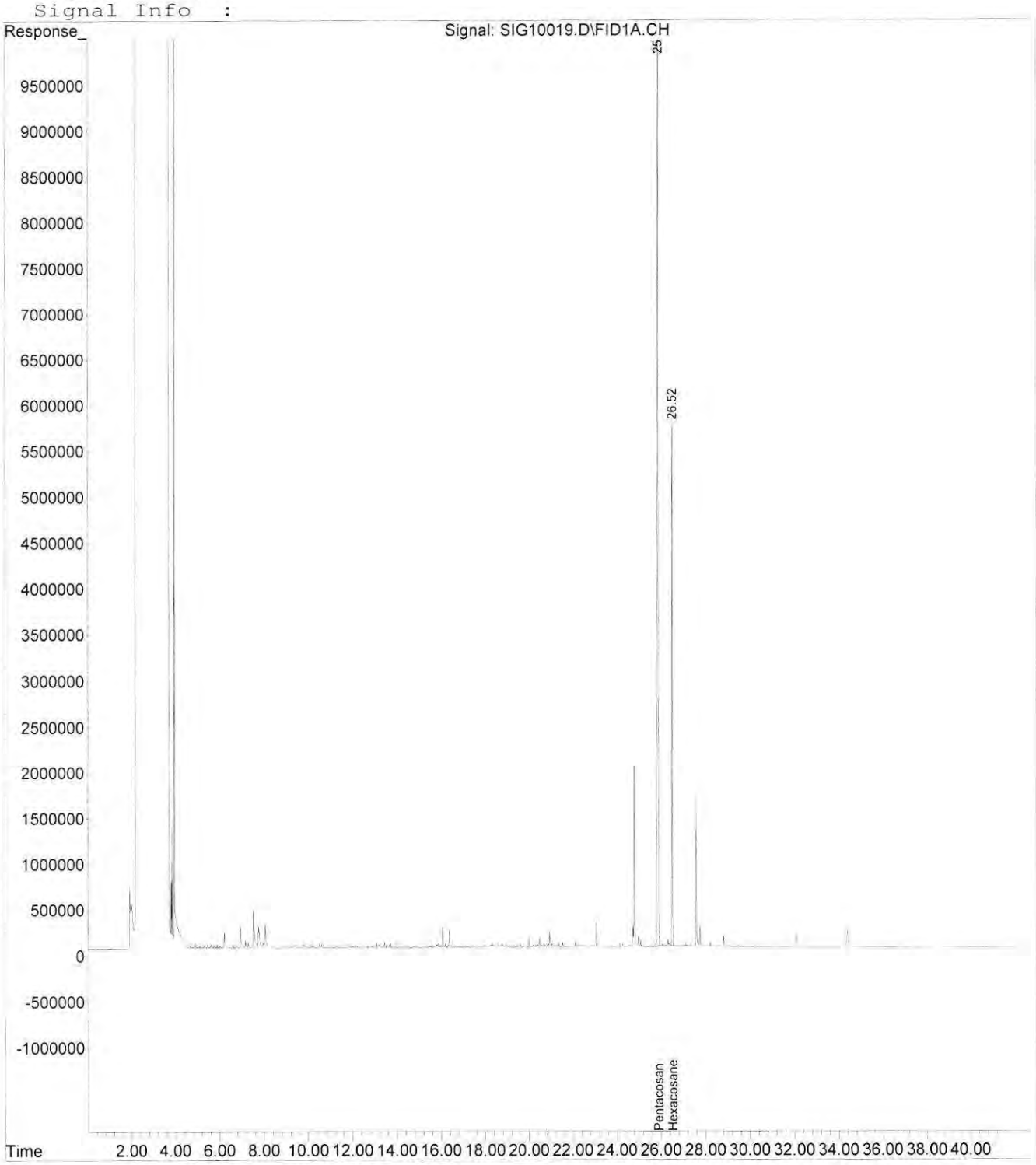
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	25.89	301442915	50.000 ppm m
System Monitoring Compounds			
2) S Hexacosane	26.52	103846153	30.032 ppm m
Spiked Amount 50.000	Range 50 - 150	Recovery =	60.06%
Target Compounds			
3) H TPH Diesel (C12-C14)	0.00	0	N.D. ppm
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H Mineral Oil	0.00	0	N.D. ppm
6) h HCID Gas (C7-C12)	0.00	0	N.D. ppm
7) h HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h HCID Oil (>C14)	0.00	0	N.D. ppm

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10019.D Vial: 28
Acq On : 07 May 2024 7:51 Operator: ARY
Sample : BED1016-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:11 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10020.D Vial: 29
Acq On : 07 May 2024 8:46 Operator: ARY
Sample : BED1016-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 14:13:56 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	304832581	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.53	153643127	43.940	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	87.88%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	17.00	844643942	194.047	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

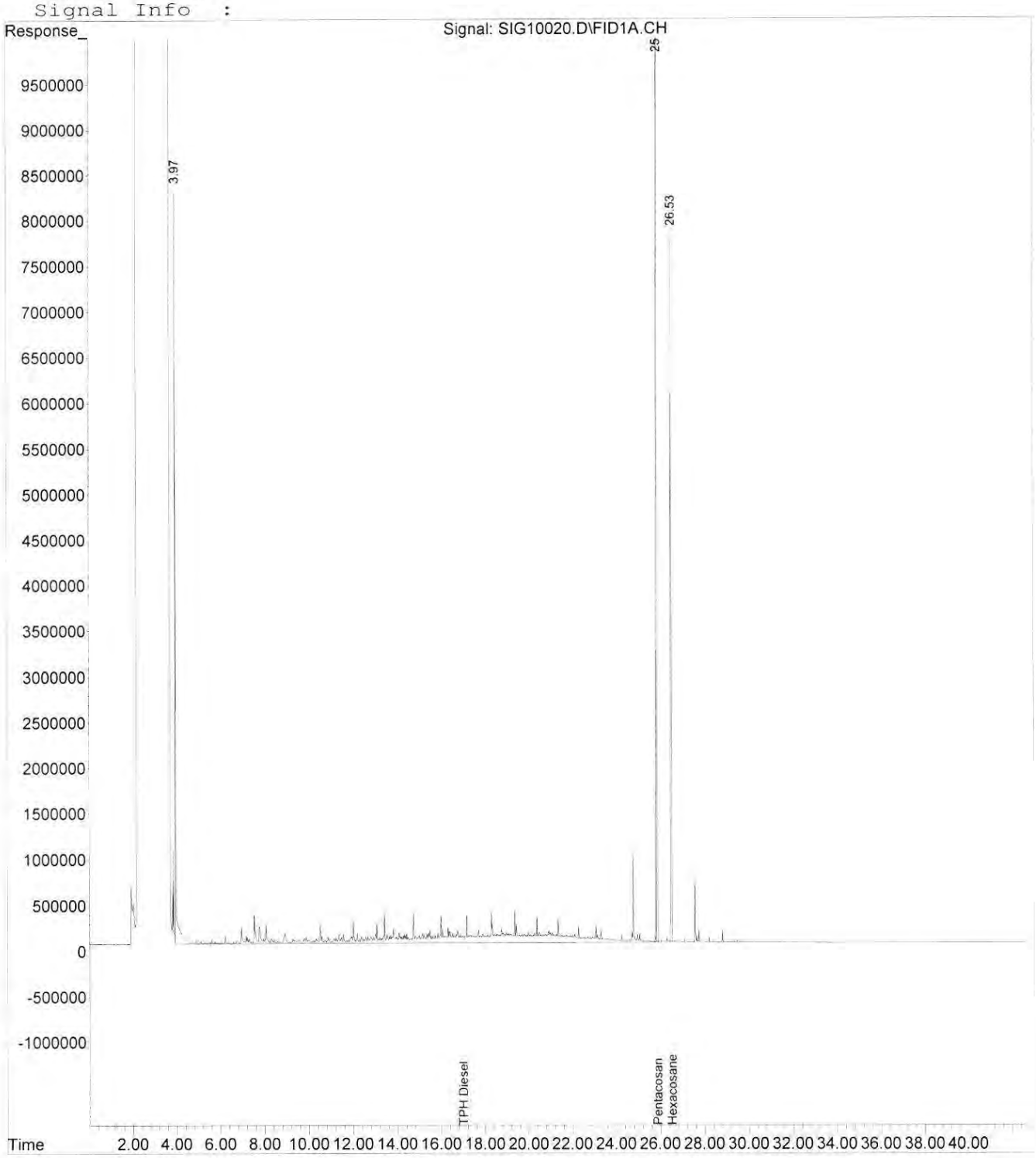
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10020.D Vial: 29
Acq On : 07 May 2024 8:46 Operator: ARY
Sample : BED1016-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:16 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10022.D Vial: 30
Acq On : 07 May 2024 10:35 Operator: ARY
Sample : BED1016-BSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 12:19:00 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	322654633	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.53	134140349	36.243	ppm	m
Spiked Amount	50.000 Range	50 - 150	Recovery =	72.49%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	17.00	1054113791	228.794	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

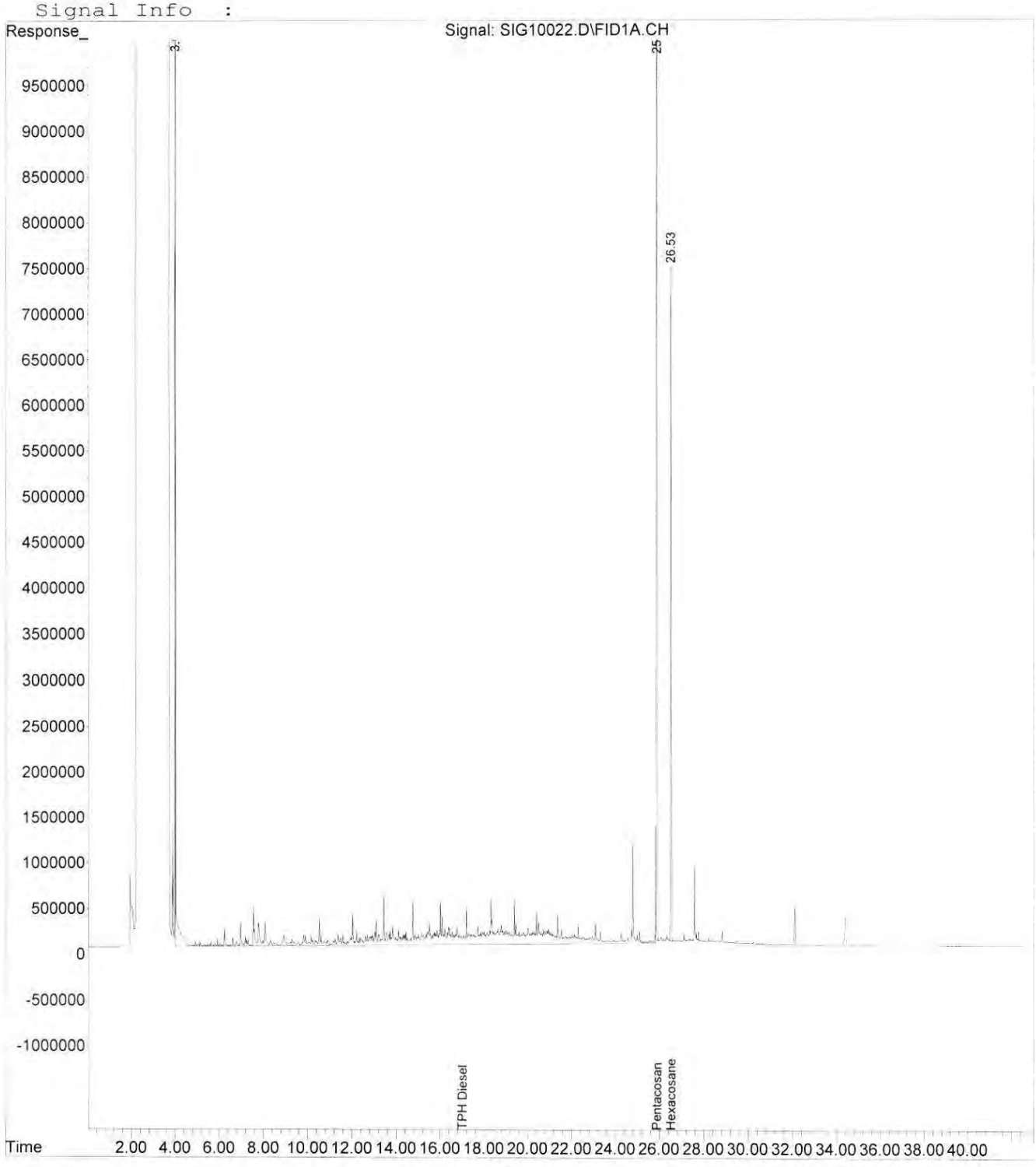
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10022.D Vial: 30
Acq On : 07 May 2024 10:35 Operator: ARY
Sample : BED1016-BSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:17 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10023.D Vial: 31
Acq On : 07 May 2024 11:31 Operator: ARY
Sample : BED1016-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 12:20:22 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.87	164375645	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.50	28636740	15.188	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	30.38%#		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

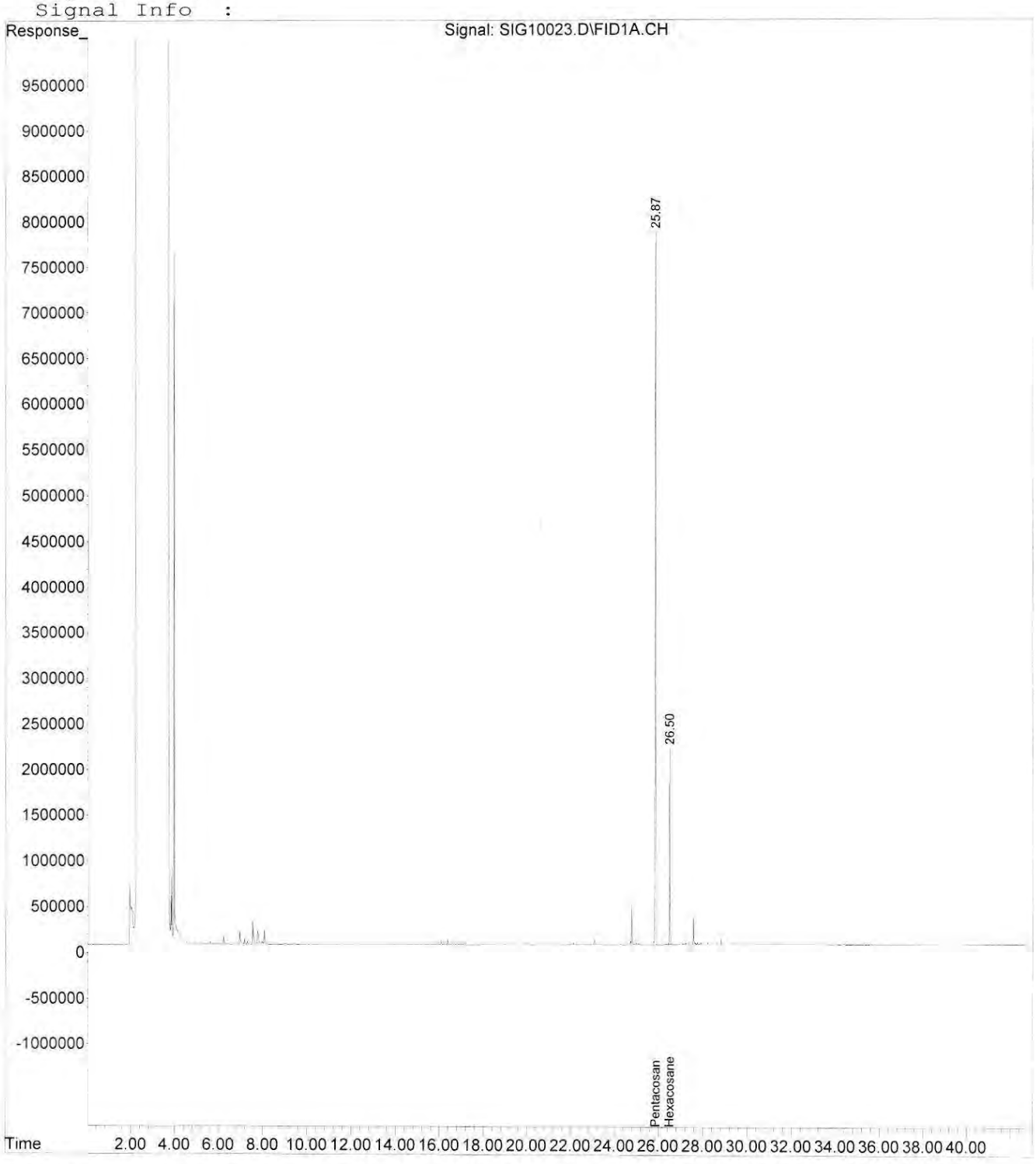
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10023.D Vial: 31
Acq On : 07 May 2024 11:31 Operator: ARY
Sample : BED1016-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:18 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10024.D Vial: 32
Acq On : 07 May 2024 12:26 Operator: ARY
Sample : BED1016-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 15:05:55 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.88	220719334	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.52	79661508	31.464	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	62.93%		
Target Compounds					
3) H TPH Diesel (C12-C14)	17.00	627523736	199.106	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

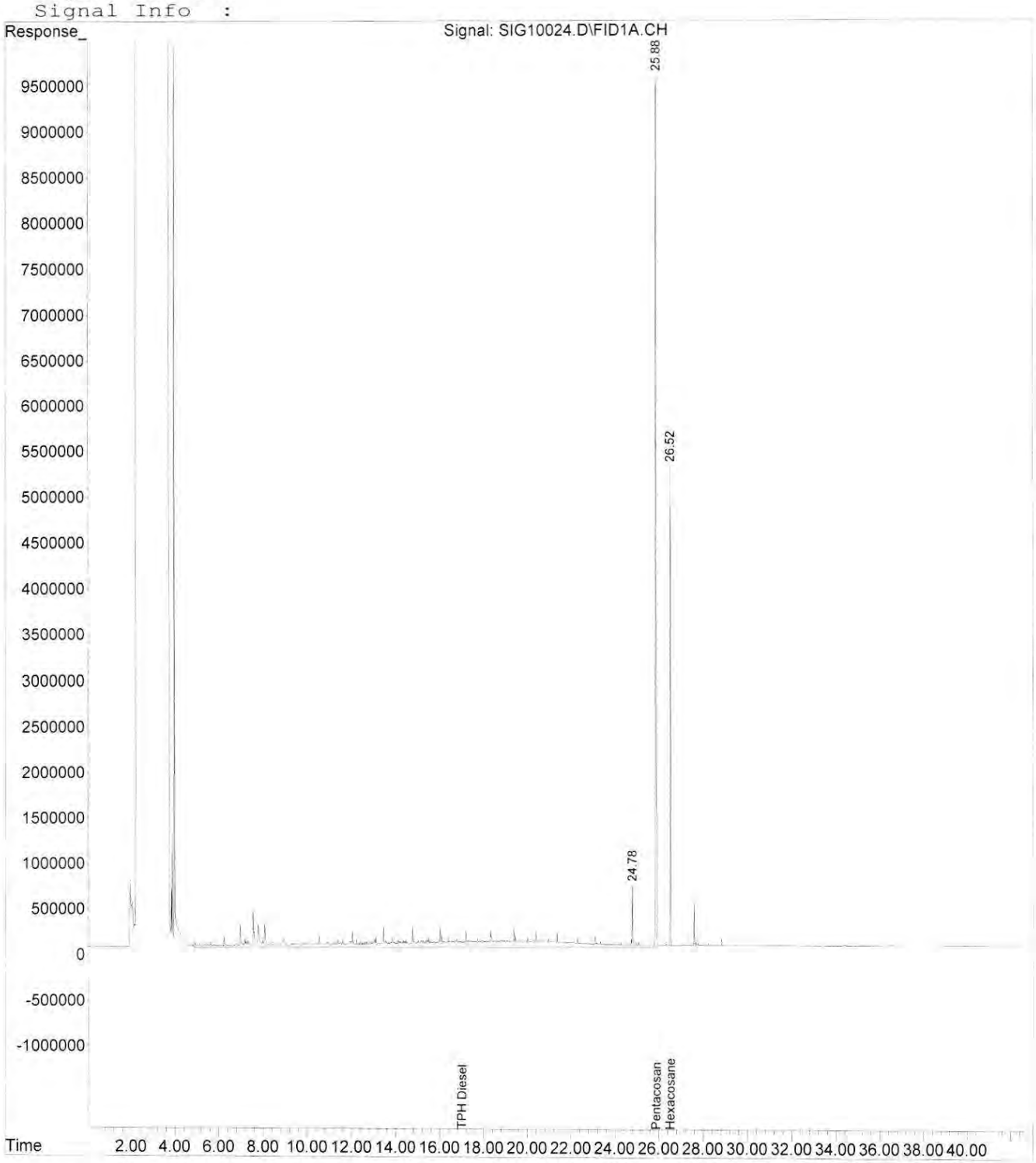
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10024.D Vial: 32
Acq On : 07 May 2024 12:26 Operator: ARY
Sample : BED1016-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 10:18 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10026.D Vial: 34
Acq On : 07 May 2024 14:18 Operator: ARY
Sample : WED0874-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 15:06:35 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	271405360	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.52	103894948	33.372	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	66.74%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

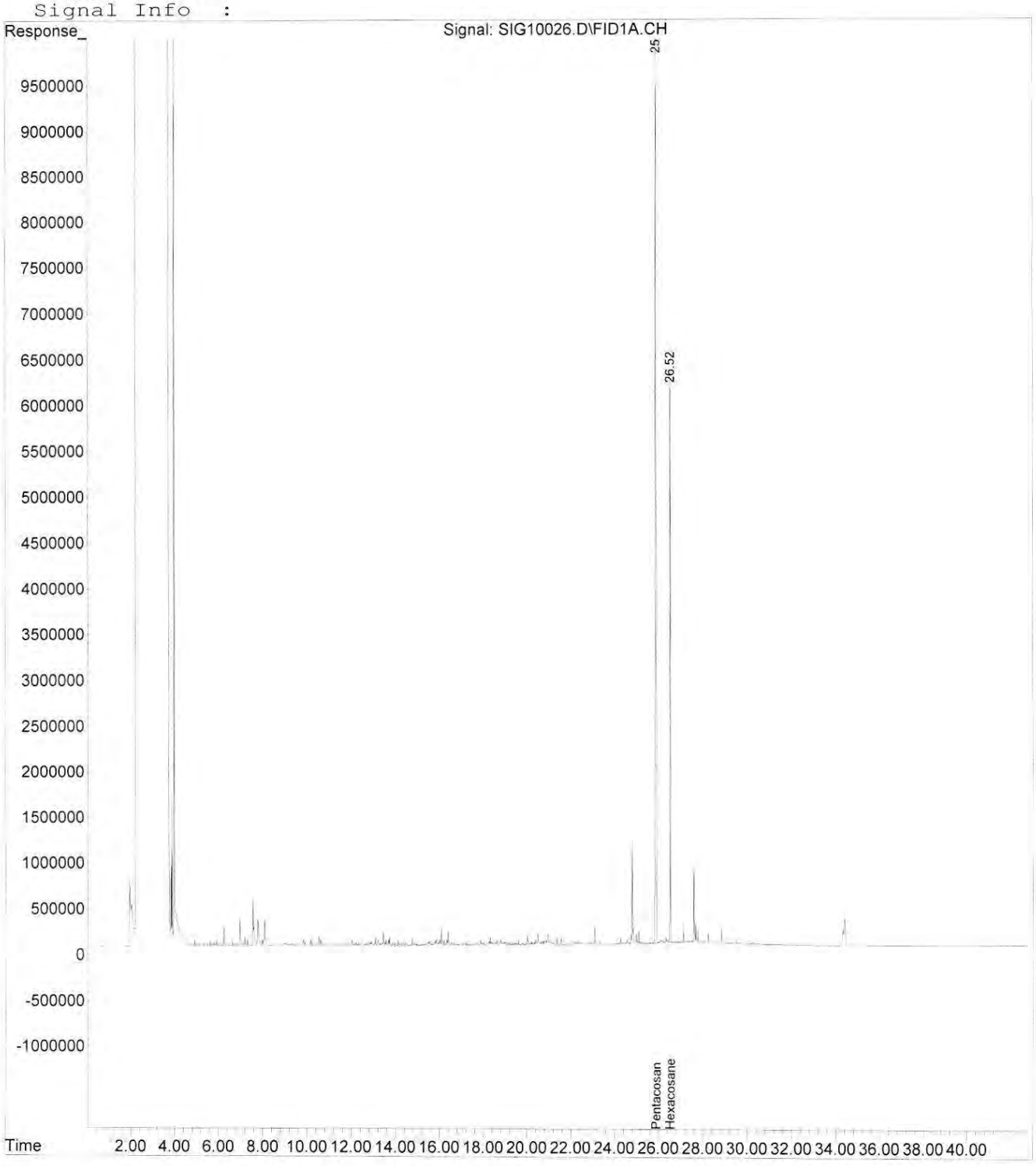
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10026.D Vial: 34
Acq On : 07 May 2024 14:18 Operator: ARY
Sample : WED0874-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 10:18 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10027.D Vial: 35
Acq On : 07 May 2024 15:14 Operator: ARY
Sample : WED0874-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 14:20:53 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

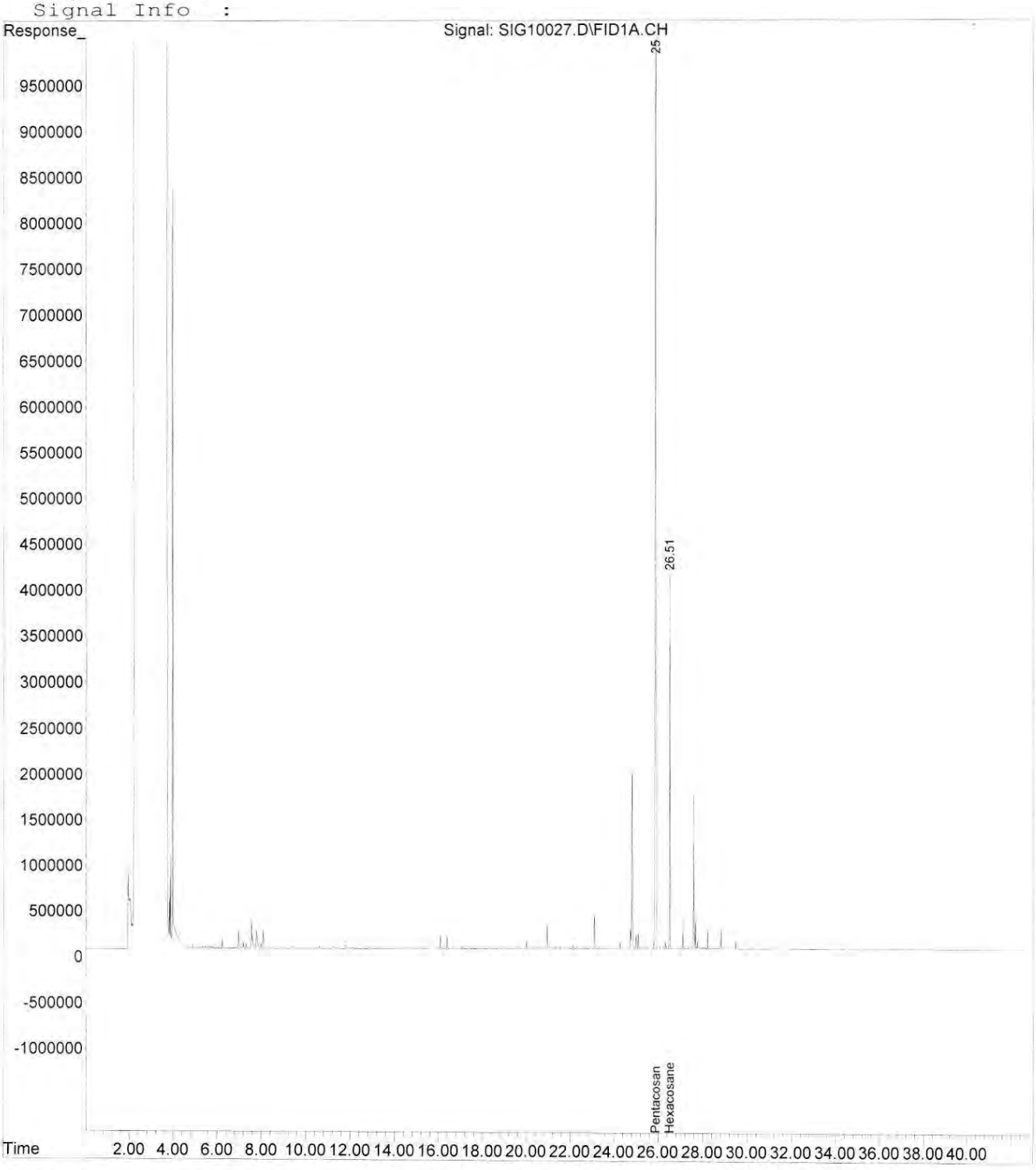
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	267708103	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.51	59303808	19.312	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	38.62%#		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10027.D Vial: 35
Acq On : 07 May 2024 15:14 Operator: ARY
Sample : WED0874-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:25 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10028.D Vial: 36
Acq On : 07 May 2024 16:10 Operator: ARY
Sample : WED0874-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 14:25:15 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.89	263571042	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.52	111088958	36.743	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	73.49%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

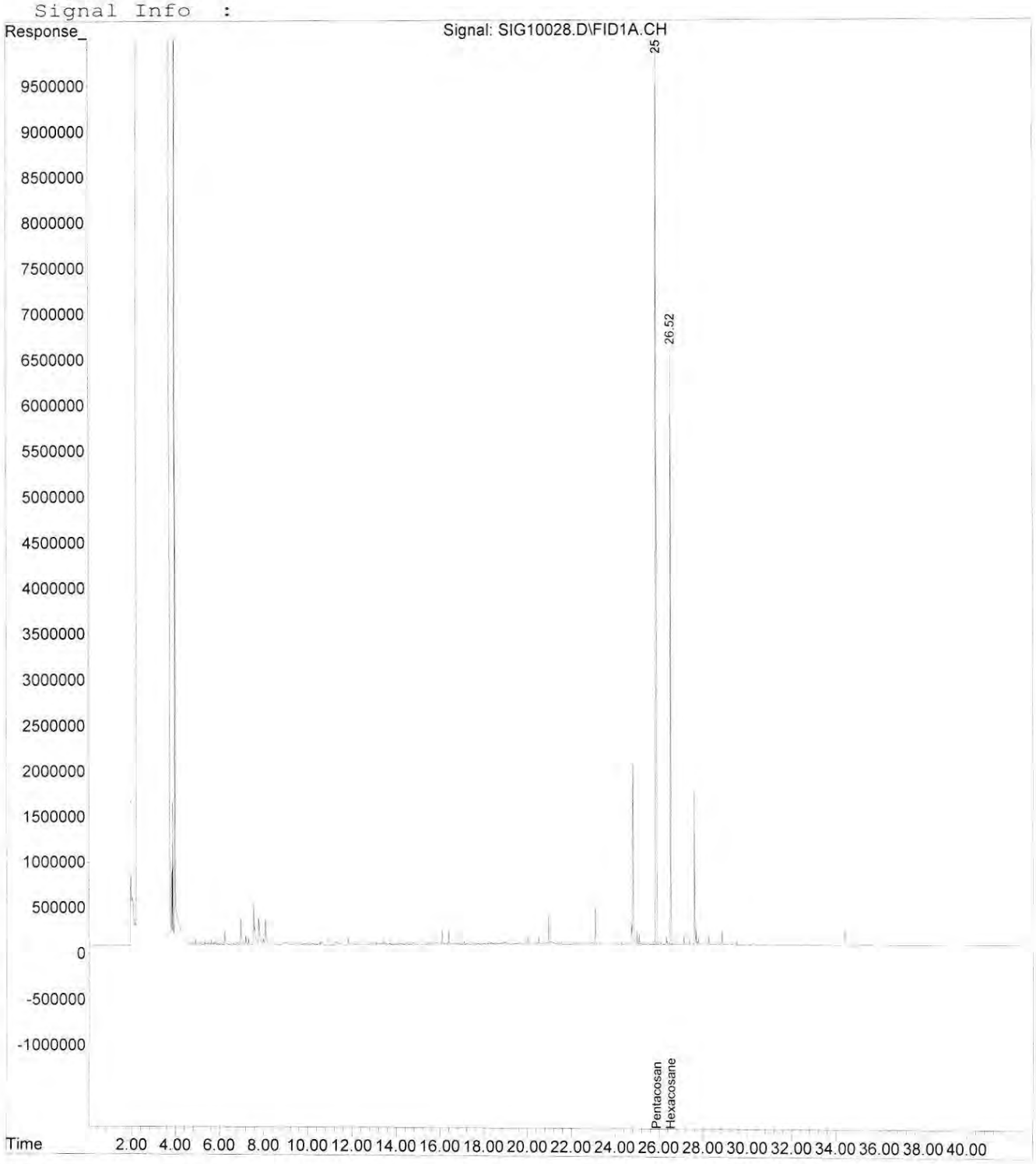
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10028.D Vial: 36
Acq On : 07 May 2024 16:10 Operator: ARY
Sample : WED0874-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:27 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10029.D Vial: 37
Acq On : 07 May 2024 17:06 Operator: ARY
Sample : WED0874-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:05 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	246489300	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.51	75876872	26.836	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	53.67%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

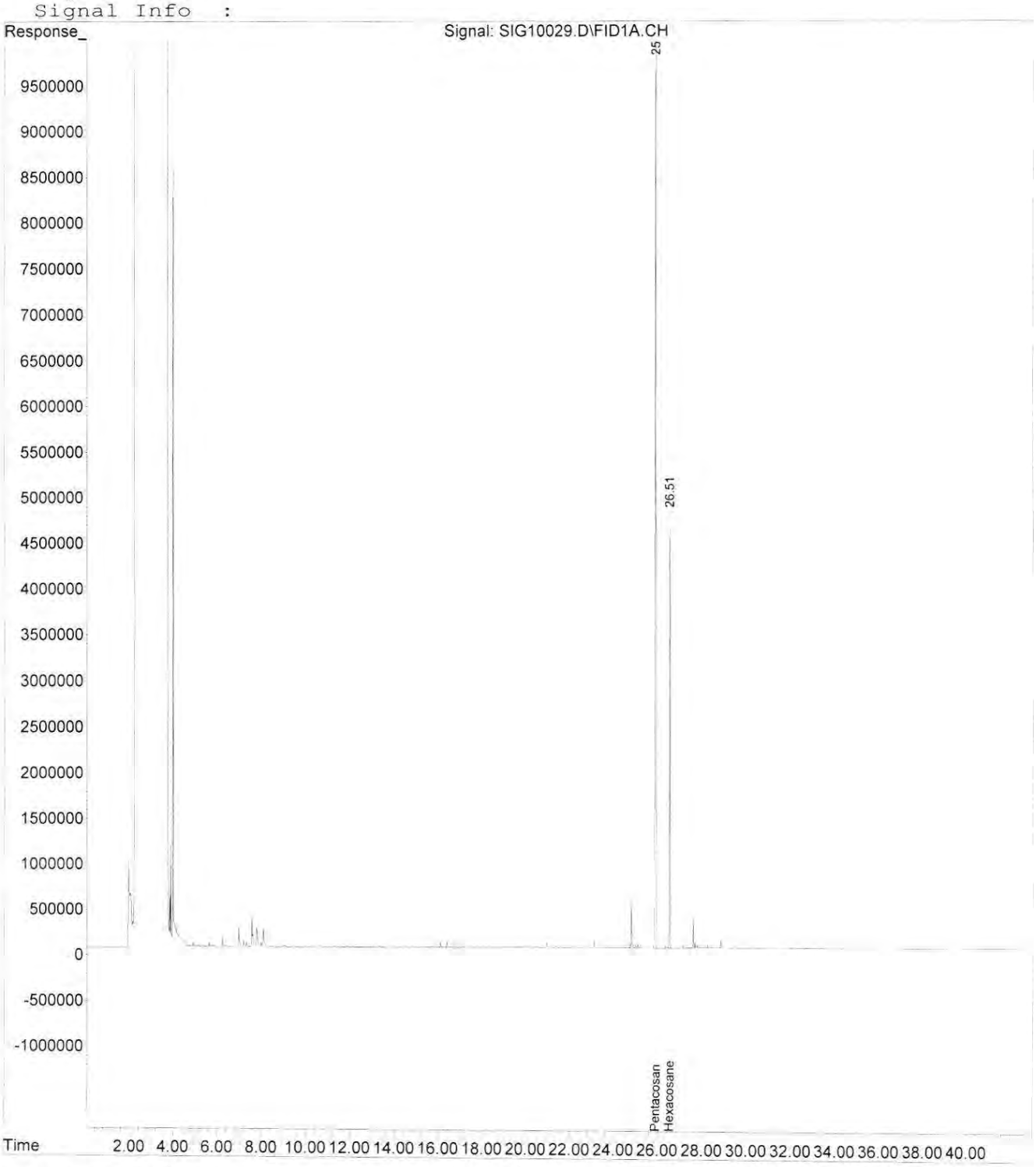
(f)=RT Delta > 1/2 Window (m)=manual int.
SIG10029.D 040824C.M Fri Jun 21 17:27:10 2024

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10029.D Vial: 37
Acq On : 07 May 2024 17:06 Operator: ARY
Sample : WED0874-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:29 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10030.D Vial: 38
Acq On : 07 May 2024 18:03 Operator: ARY
Sample : WED0874-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:07 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.88	281287664	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.51	62850008	19.479	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	38.96%#		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

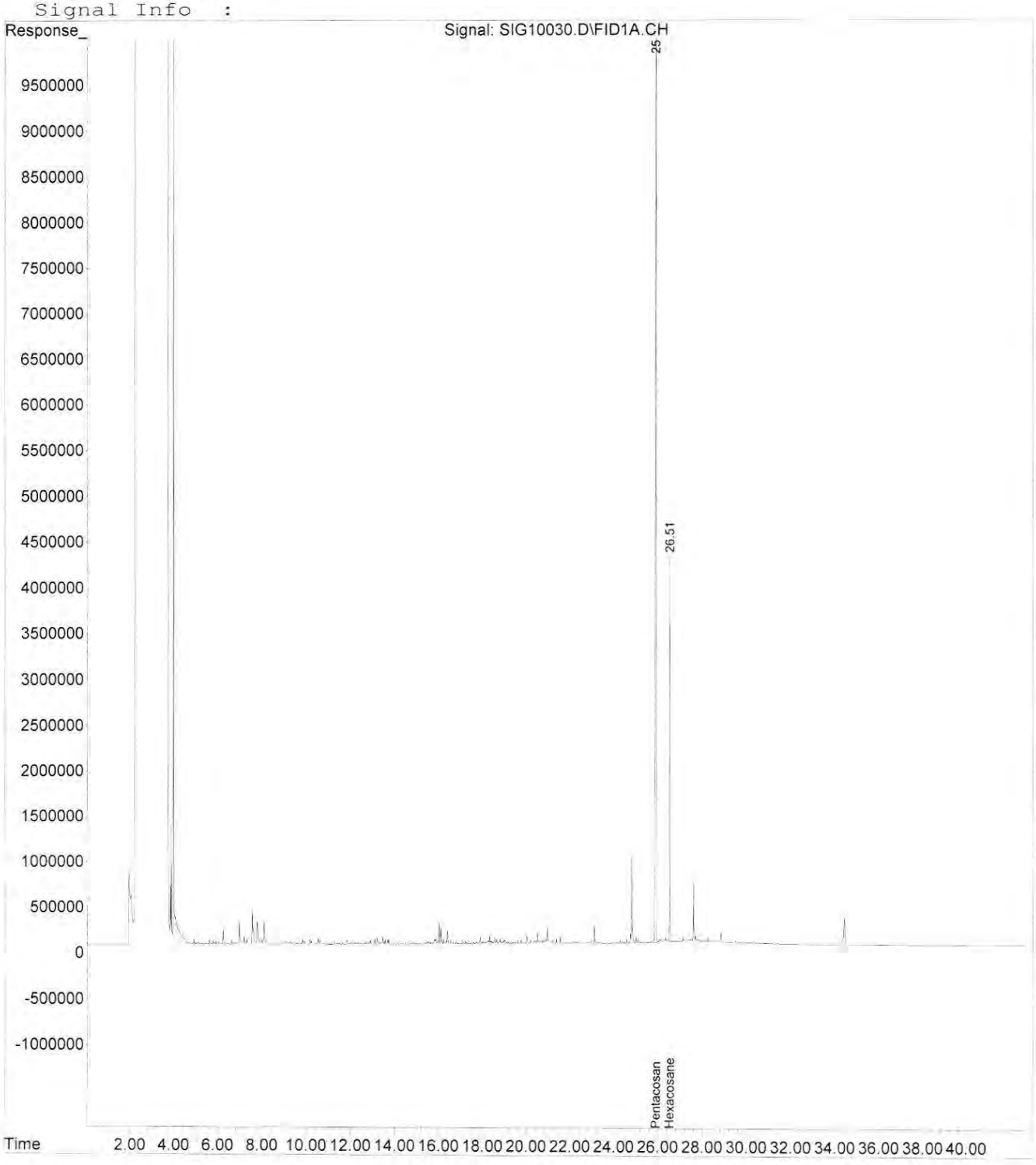
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10030.D Vial: 38
Acq On : 07 May 2024 18:03 Operator: ARY
Sample : WED0874-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:30 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10031.D Vial: 39
Acq On : 07 May 2024 18:59 Operator: ARY
Sample : WED0874-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:08 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

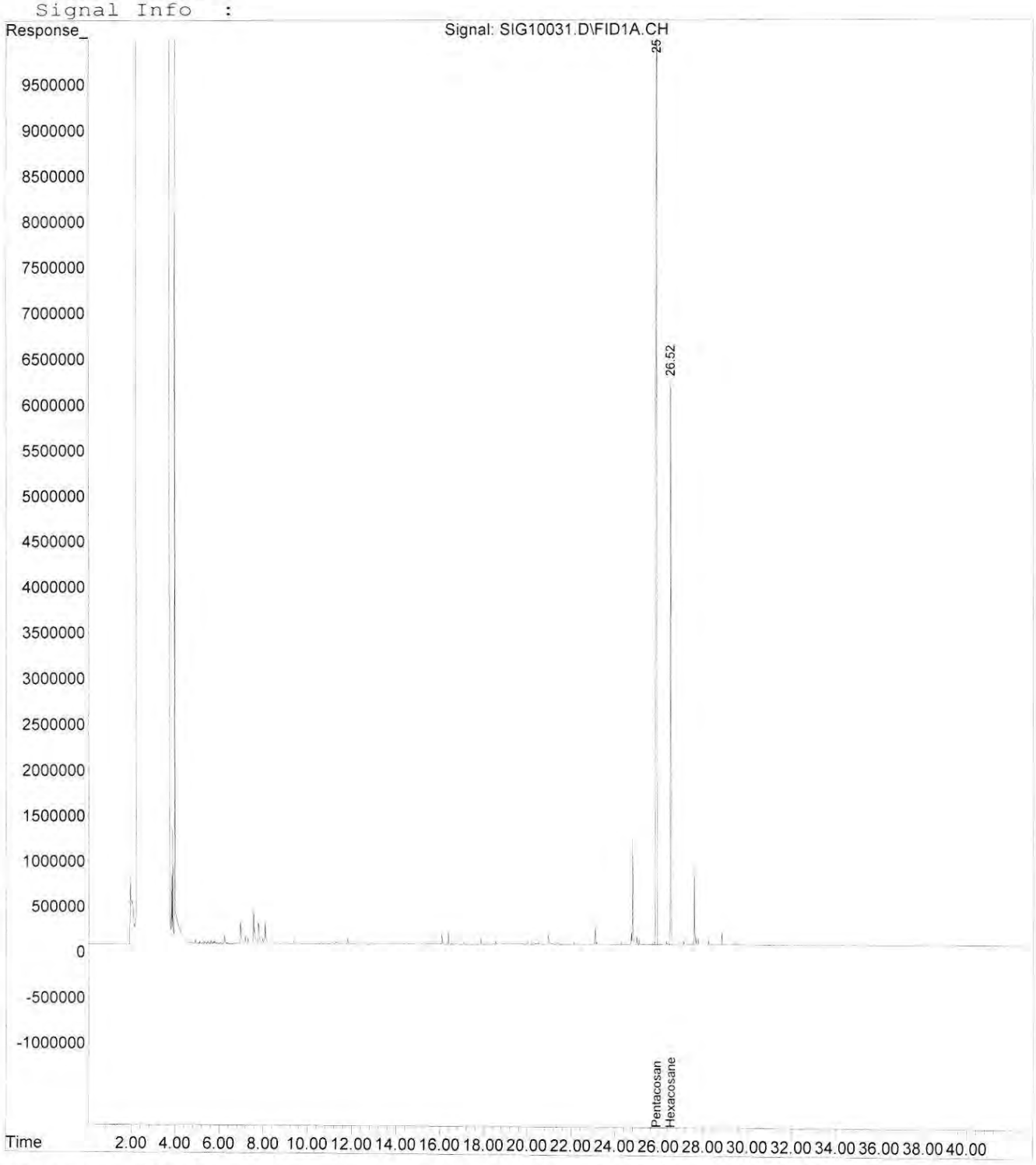
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	346038407	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.52	103442574	26.060	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	52.12%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10031.D Vial: 39
Acq On : 07 May 2024 18:59 Operator: ARY
Sample : WED0874-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:31 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10032.D Vial: 40
Acq On : 07 May 2024 19:54 Operator: ARY
Sample : WED0874-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:10 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.90	385045191	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.51	75982006	17.203	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	34.41%#		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

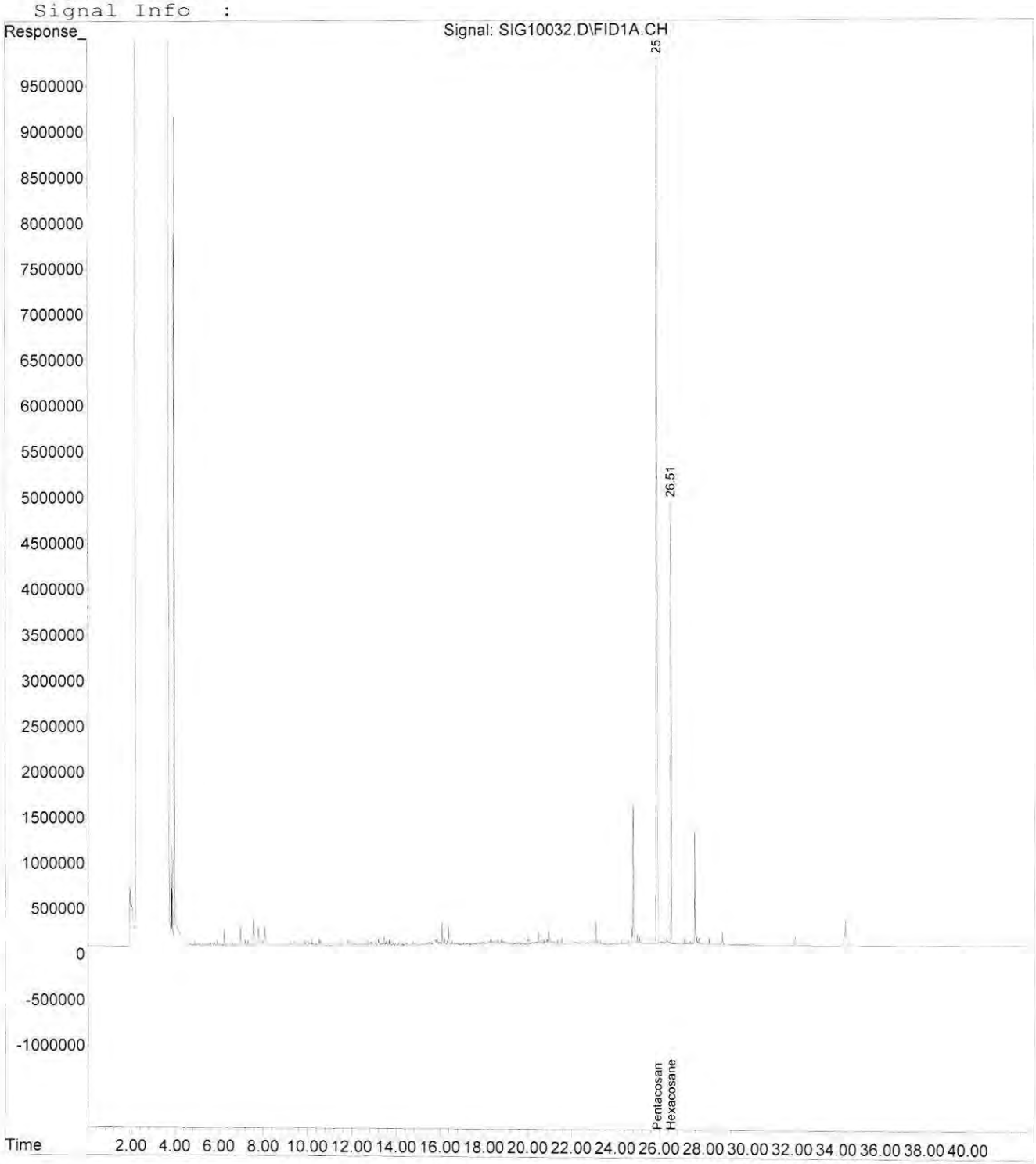
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10032.D Vial: 40
Acq On : 07 May 2024 19:54 Operator: ARY
Sample : WED0874-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:33 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10033.D Vial: 41
Acq On : 07 May 2024 20:50 Operator: ARY
Sample : WED0874-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:11 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.88	269710838	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.51	60477597	19.548	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	39.10%#		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

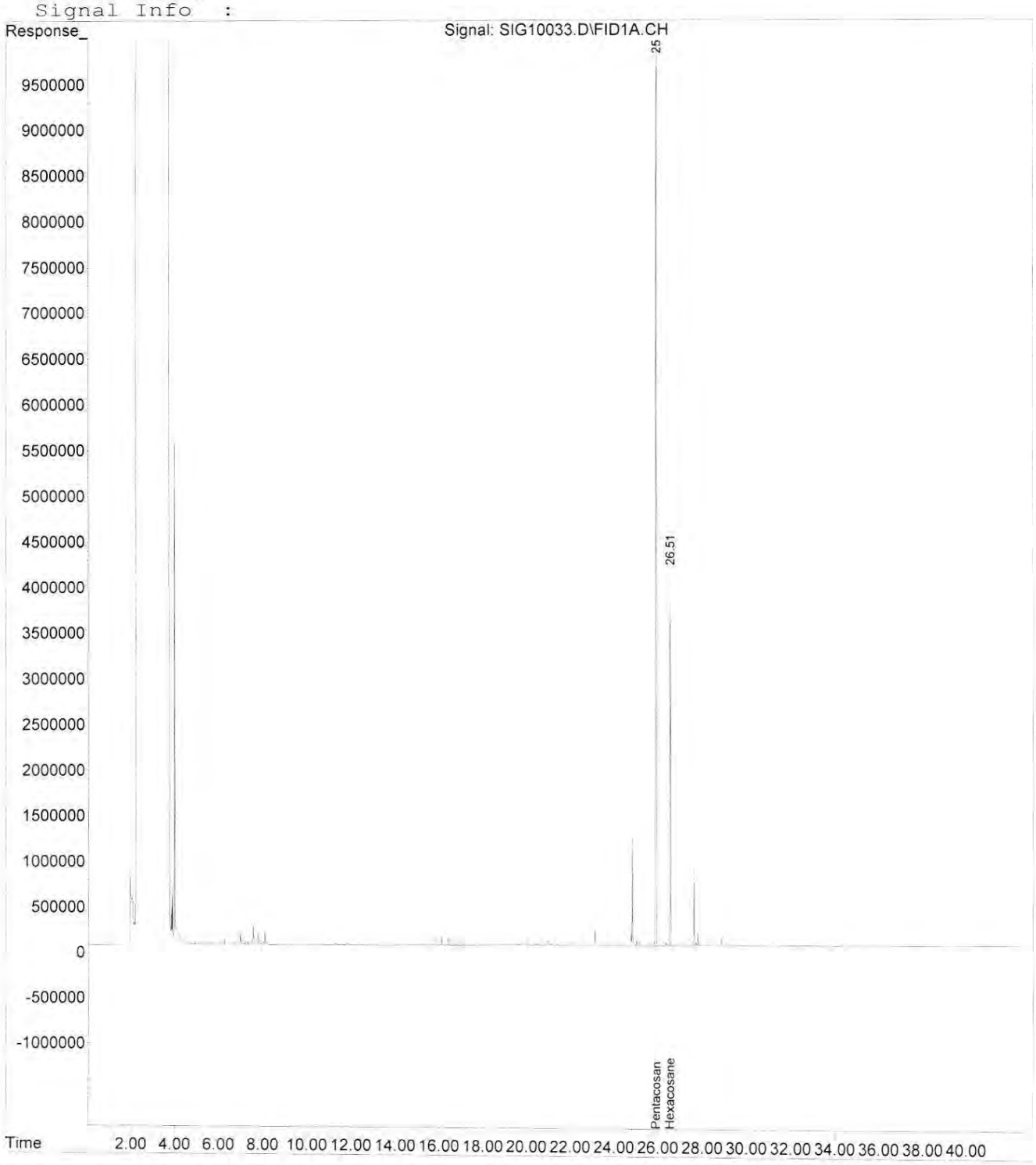
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10033.D Vial: 41
Acq On : 07 May 2024 20:50 Operator: ARY
Sample : WED0874-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:35 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10034.D Vial: 42
Acq On : 07 May 2024 21:45 Operator: ARY
Sample : WED0874-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:13 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

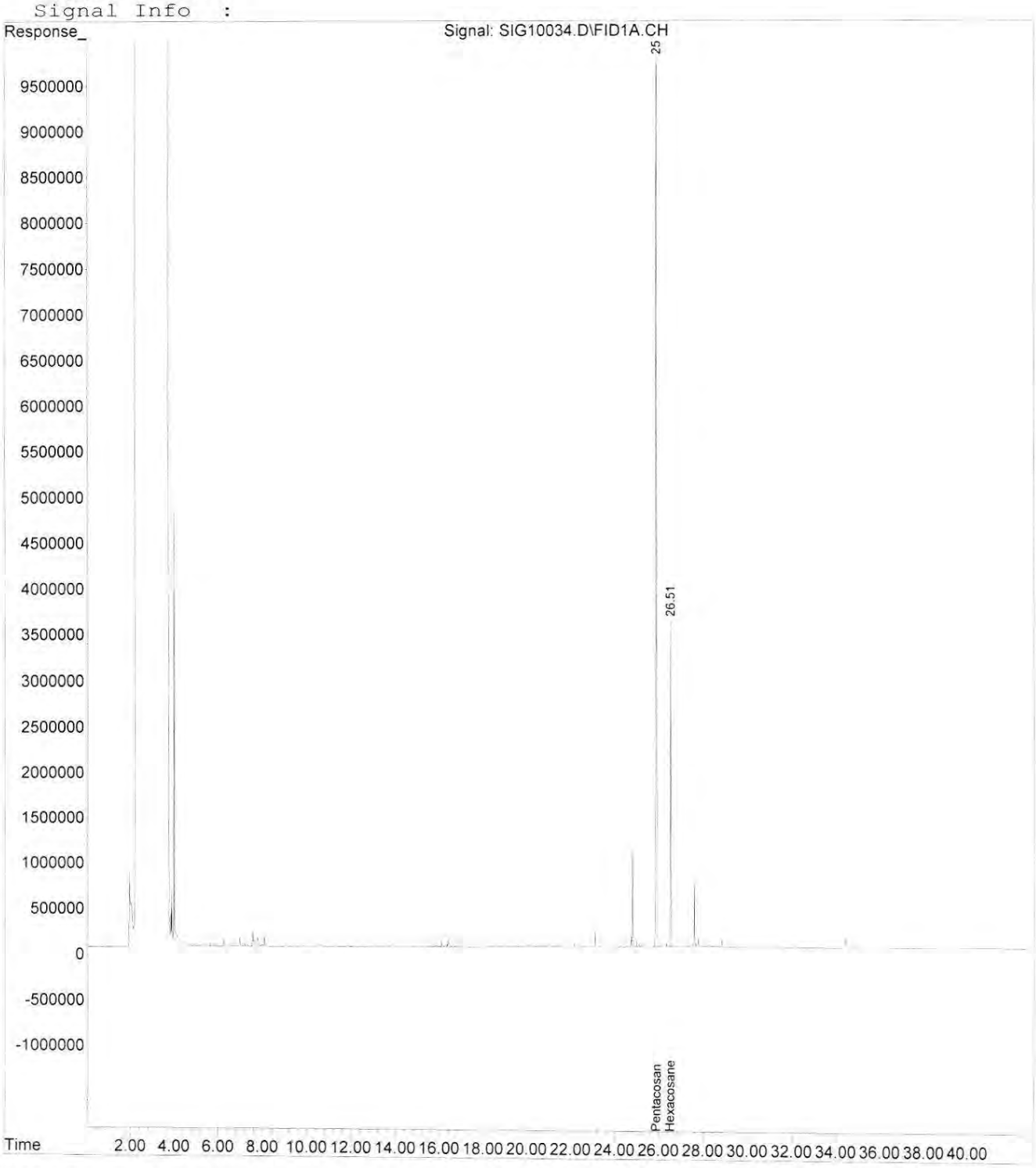
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.88	235279225	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.51	52258393	19.363	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	38.73%#		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10034.D Vial: 42
Acq On : 07 May 2024 21:45 Operator: ARY
Sample : WED0874-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:36 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10013.D Vial: 1
Acq On : 07 May 2024 2:25 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:34 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.89	266895097	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.53	138389247	45.203	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	90.41%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

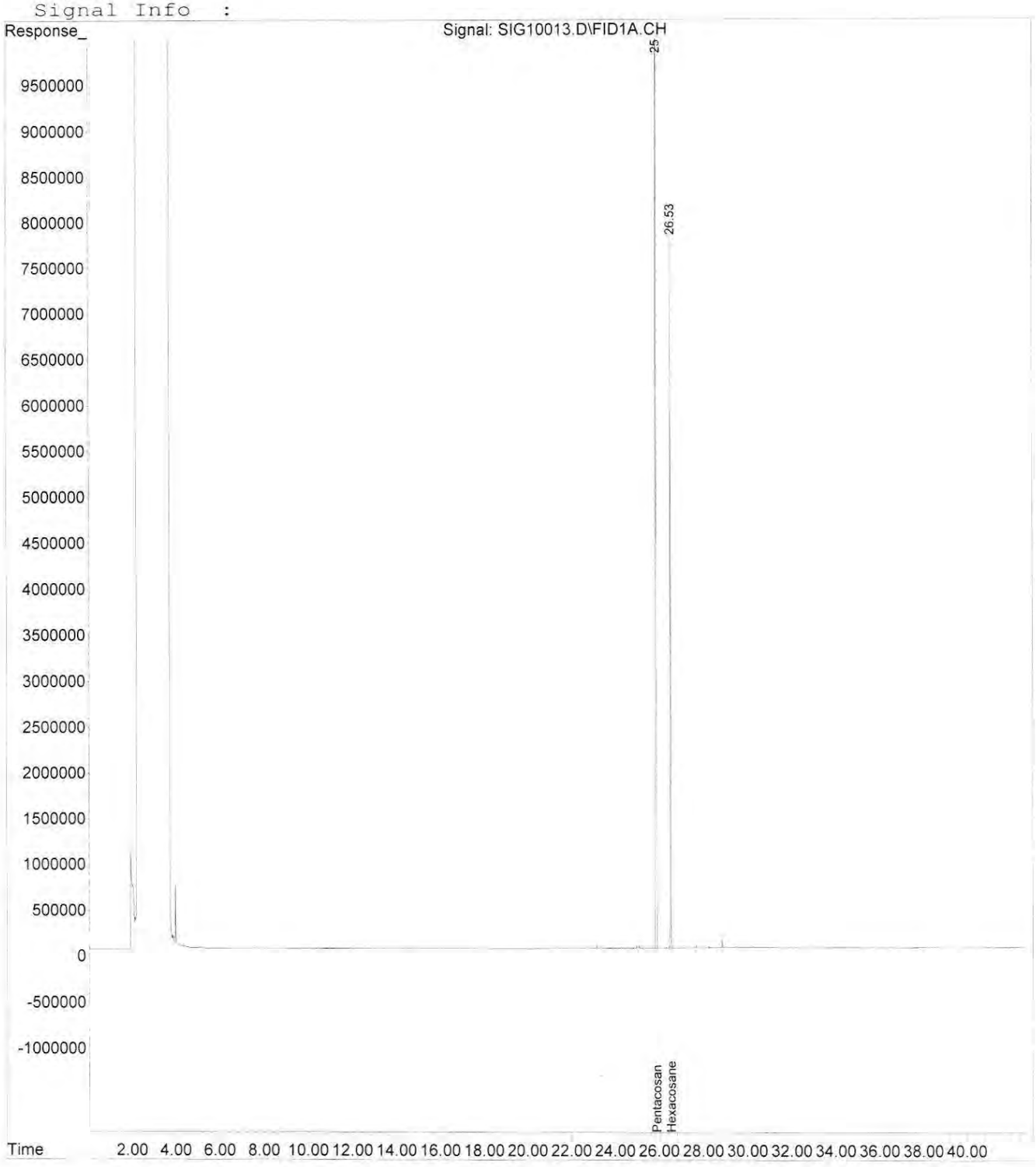
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10013.D Vial: 1
Acq On : 07 May 2024 2:25 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 13:57 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10014.D Vial: 2
Acq On : 07 May 2024 3:19 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:35 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

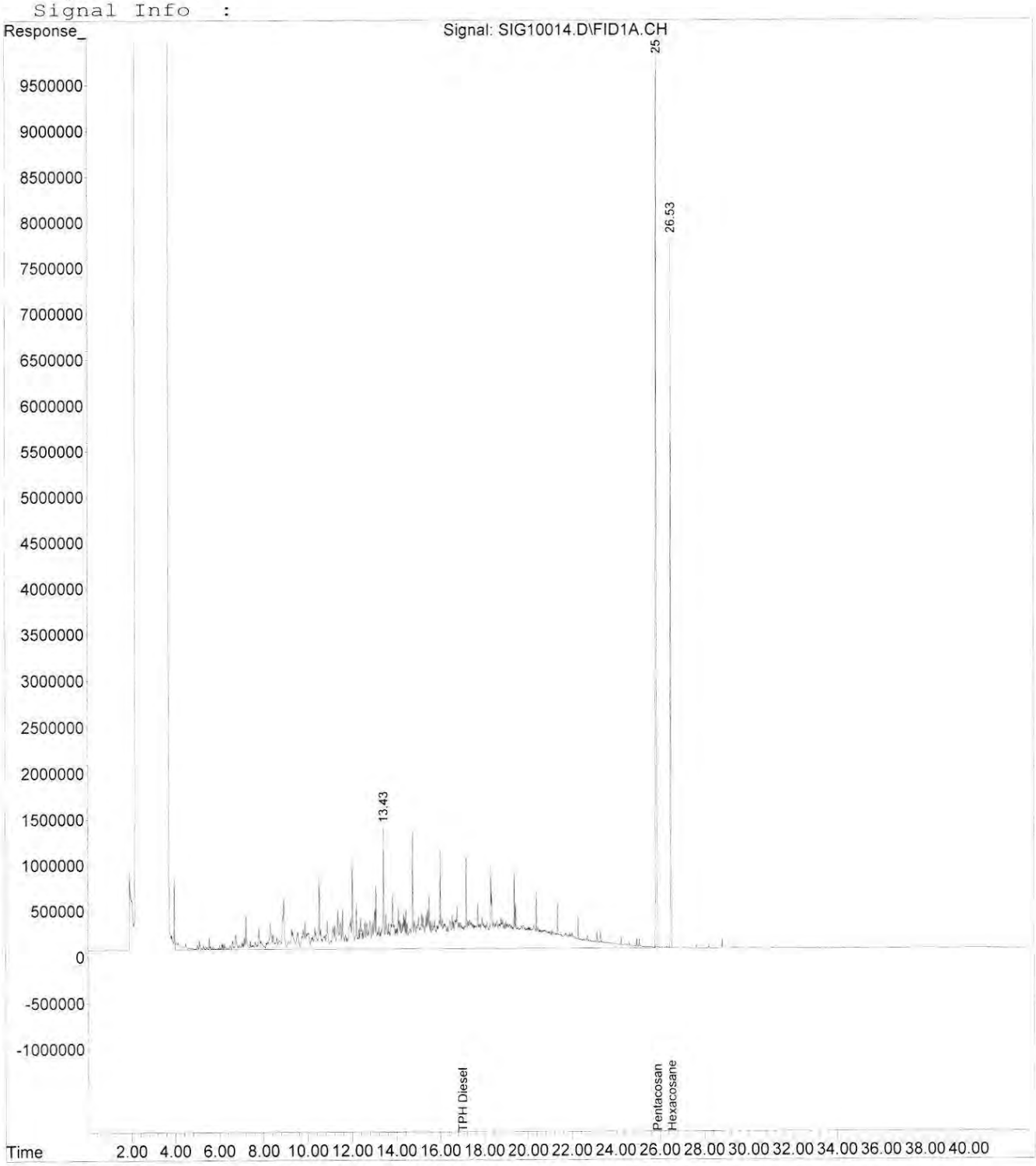
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.88	269102324	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	145135170	47.018	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	94.04%		
Target Compounds					
3) H TPH Diesel (C12-C14)	17.00	2003038958	521.274	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10014.D Vial: 2
Acq On : 07 May 2024 3:19 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 13:57 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10015.D Vial: 3
Acq On : 07 May 2024 4:13 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:57:53 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	286002615	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.54	149155842	45.465	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery = 90.93%			
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	27.80	1425927792	1000.306	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

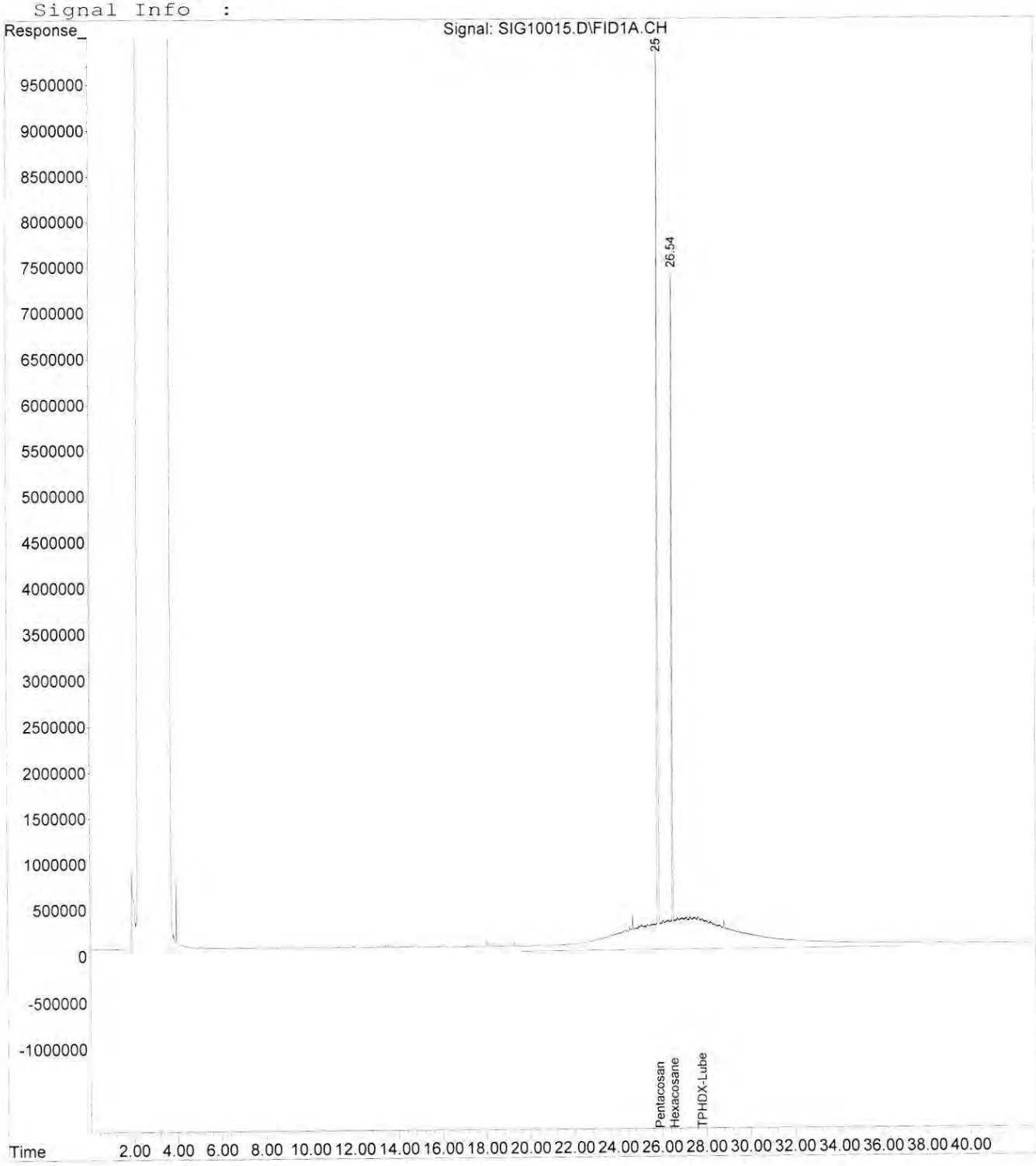
(f)=RT Delta > 1/2 Window (m)=manual int.
SIG10015.D 040824C.M Fri Jun 21 17:38:22 2024

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10015.D Vial: 3
Acq On : 07 May 2024 4:13 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 13 8:27 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10016.D Vial: 4
Acq On : 07 May 2024 5:08 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:38 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	25.88	258502261	50.000 ppm
System Monitoring Compounds			
2) S Hexacosane	26.52	135675396	45.755 ppm
Spiked Amount 50.000	Range 50 - 150	Recovery =	91.51%
Target Compounds			
3) H TPH Diesel (C12-C14)	0.00	0	N.D. ppm
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H Mineral Oil	20.00	4354127079	1006.832 ppm
6) h HCID Gas (C7-C12)	0.00	0	N.D. ppm
7) h HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h HCID Oil (>C14)	0.00	0	N.D. ppm

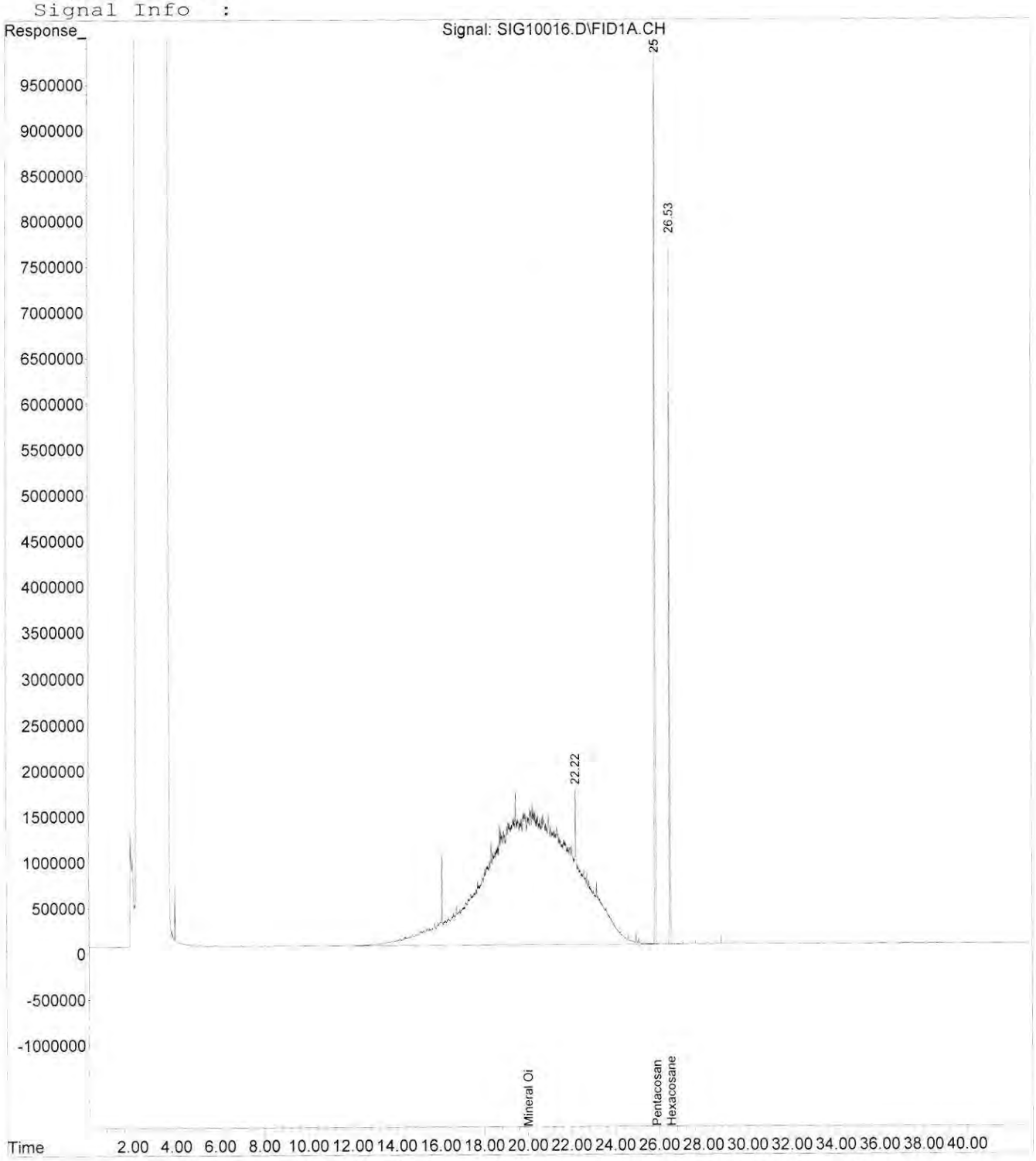
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10016.D Vial: 4
Acq On : 07 May 2024 5:08 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:00 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10017.D Vial: 5
Acq On : 07 May 2024 6:02 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:39 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.89	347045141	50.000	ppm	
	System Monitoring Compounds					
2) S	Hexacosane	26.54	191459636	48.095	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	96.19%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	7.00	75068534	34.899	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

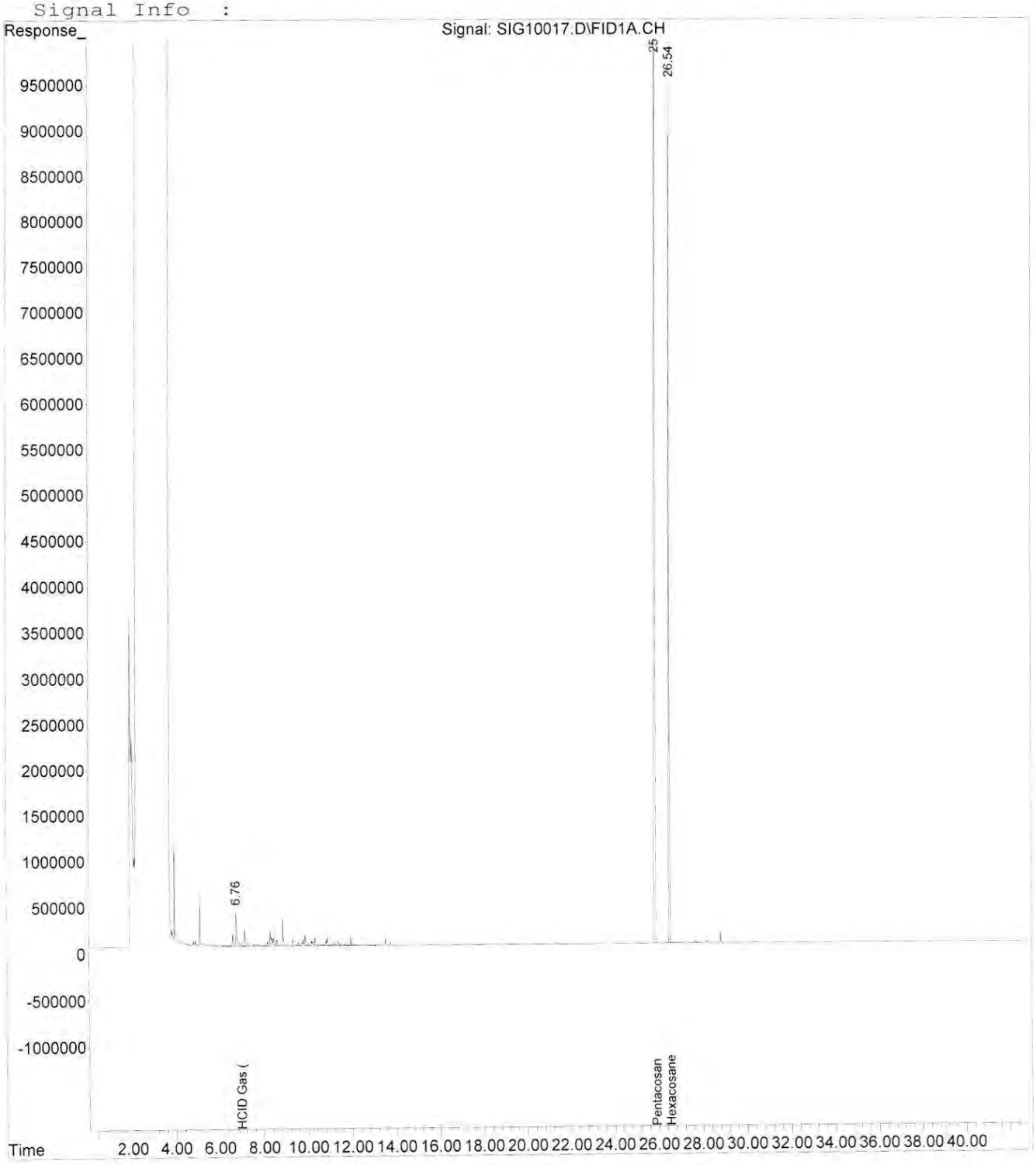
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10017.D Vial: 5
Acq On : 07 May 2024 6:02 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:01 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10018.D Vial: 6
Acq On : 07 May 2024 6:57 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 07 07:44:40 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	286173253	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	145311726	44.267	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	88.53%		
Target Compounds					
3) H TPH Diesel (C12-C14)	17.00	1757110332	429.996	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

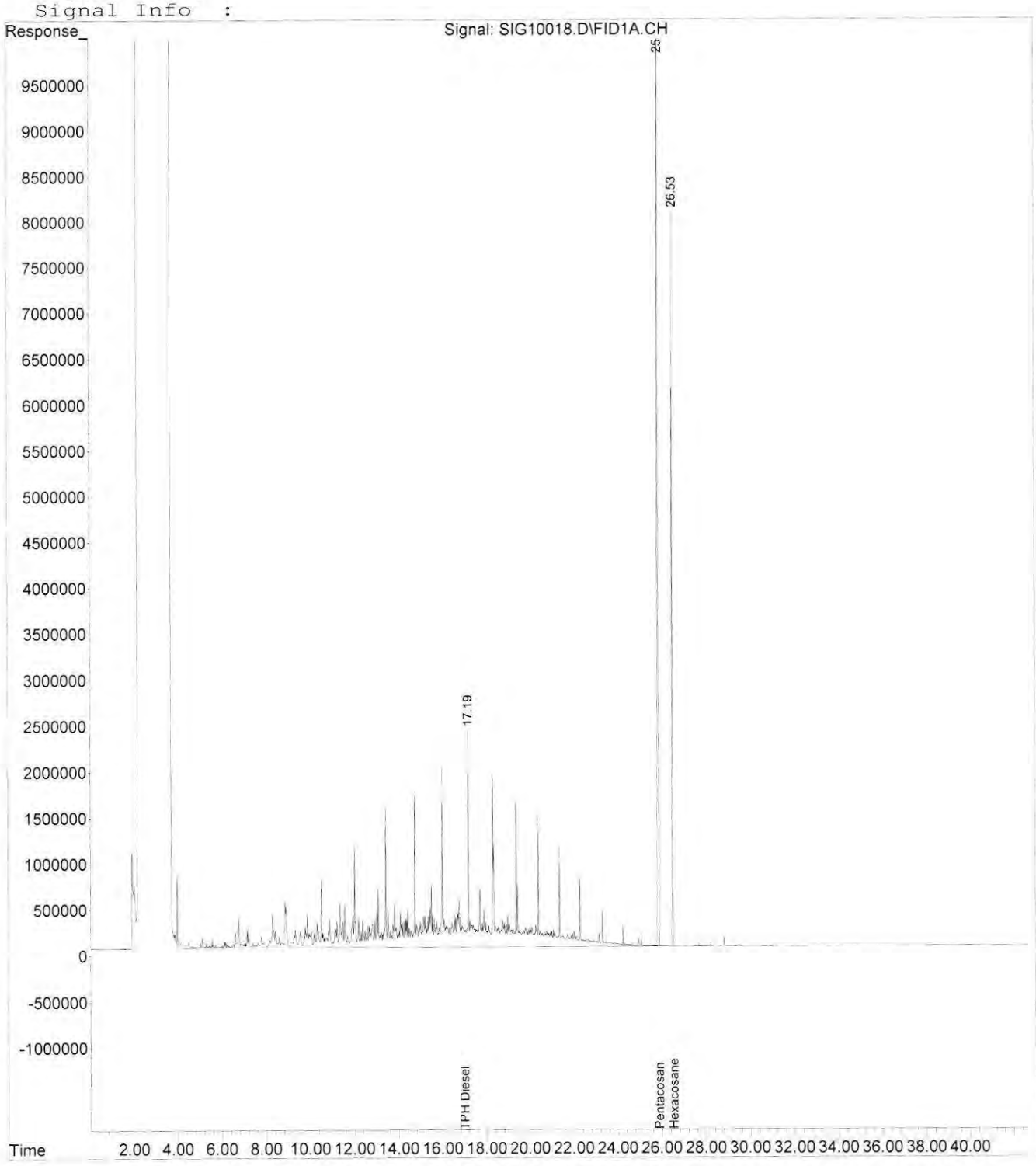
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10018.D Vial: 6
Acq On : 07 May 2024 6:57 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:03 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10041.D Vial: 43
Acq On : 08 May 2024 4:08 Operator: ARY
Sample : WED0874-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:23 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.88	332933728	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.52	106987538	28.014	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery = 56.03%			
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

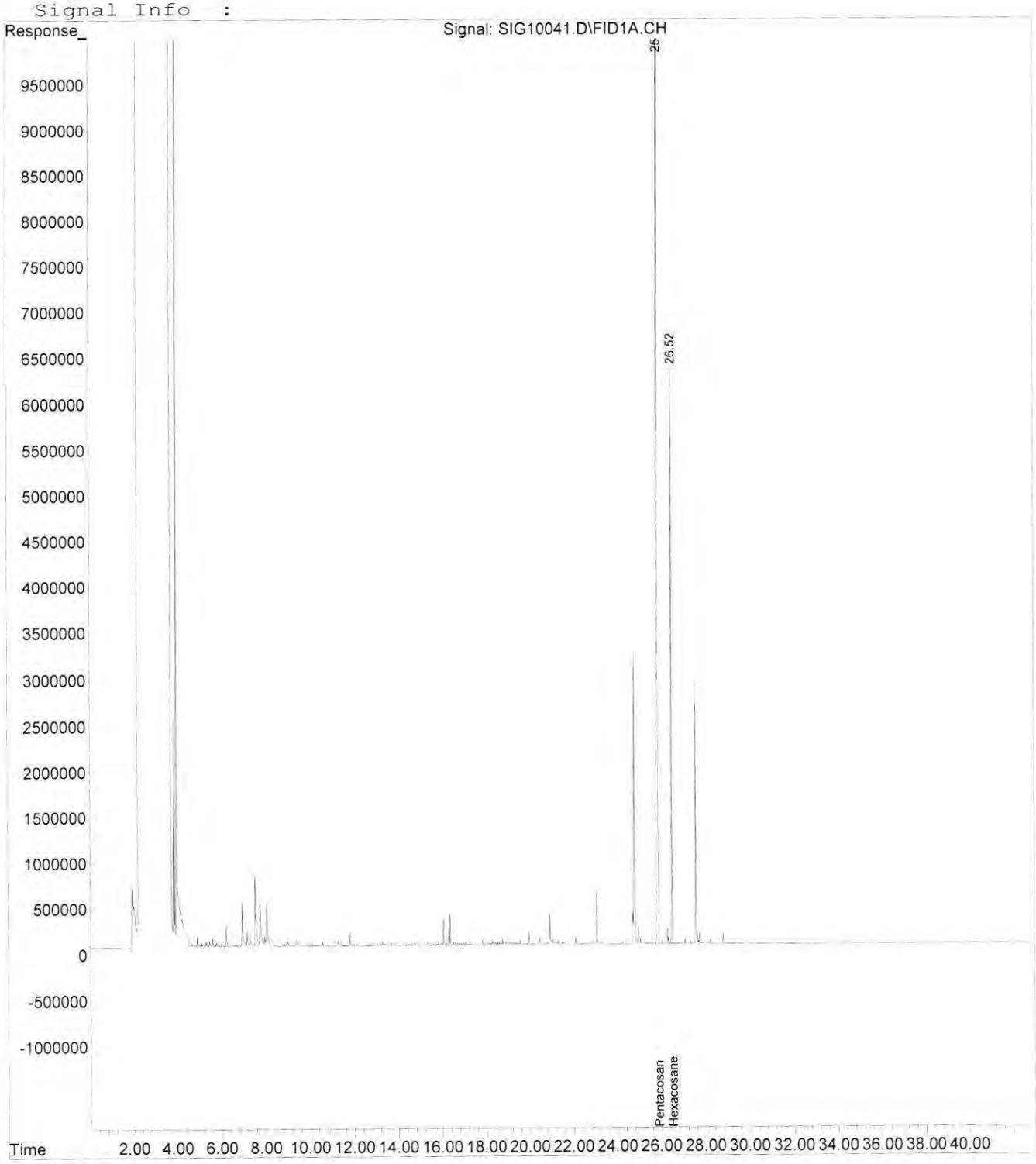
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10041.D Vial: 43
Acq On : 08 May 2024 4:08 Operator: ARY
Sample : WED0874-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 10:21 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10042.D Vial: 44
Acq On : 08 May 2024 5:02 Operator: ARY
Sample : WED0874-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:25 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.90	439440342	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.52	109316384	21.687	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	43.37%#		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

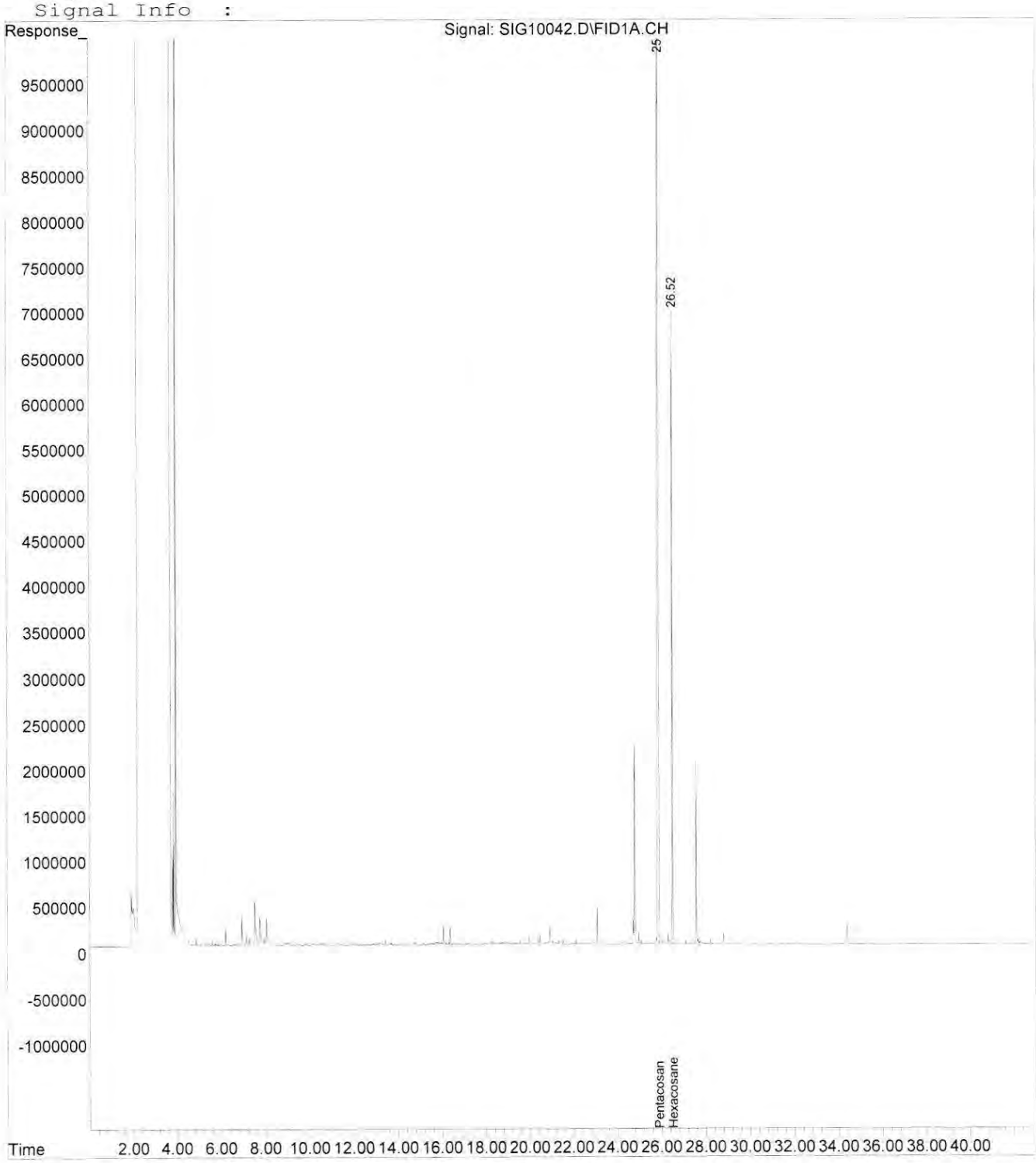
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10042.D Vial: 44
Acq On : 08 May 2024 5:02 Operator: ARY
Sample : WED0874-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 10:21 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\062024B\SIG10006.D Vial: 17
Acq On : 21 Jun 2024 15:21 Operator: ARY/BAM
Sample : WED0874-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 16:36:50 2024 Quant Results File: 240618DHT.RES

Quant Method : M:\HPCHEM\1\METHODS\240618DHT.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 20 13:50:38 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID7.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	Pentacosane	26.02	129103892	50.000 ppm
	System Monitoring Compounds			
2) S	Hexacosane	26.69	190955857	44.236 ppm
Spiked Amount	50.000	Range 50 - 150	Recovery =	88.47%
	Target Compounds			
3) H	TPH Diesel (C12-C14)	0.00	0	N.D. ppm
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D. ppm
5) H	Mineral Oil	0.00	0	N.D. ppm
6) h	HCID Gas (C7-C12)	0.00	0	N.D. ppm
7) h	HCID Diesel (C12-C14)	0.00	0	N.D. ppm
8) h	HCID Oil (>C14)	0.00	0	N.D. ppm

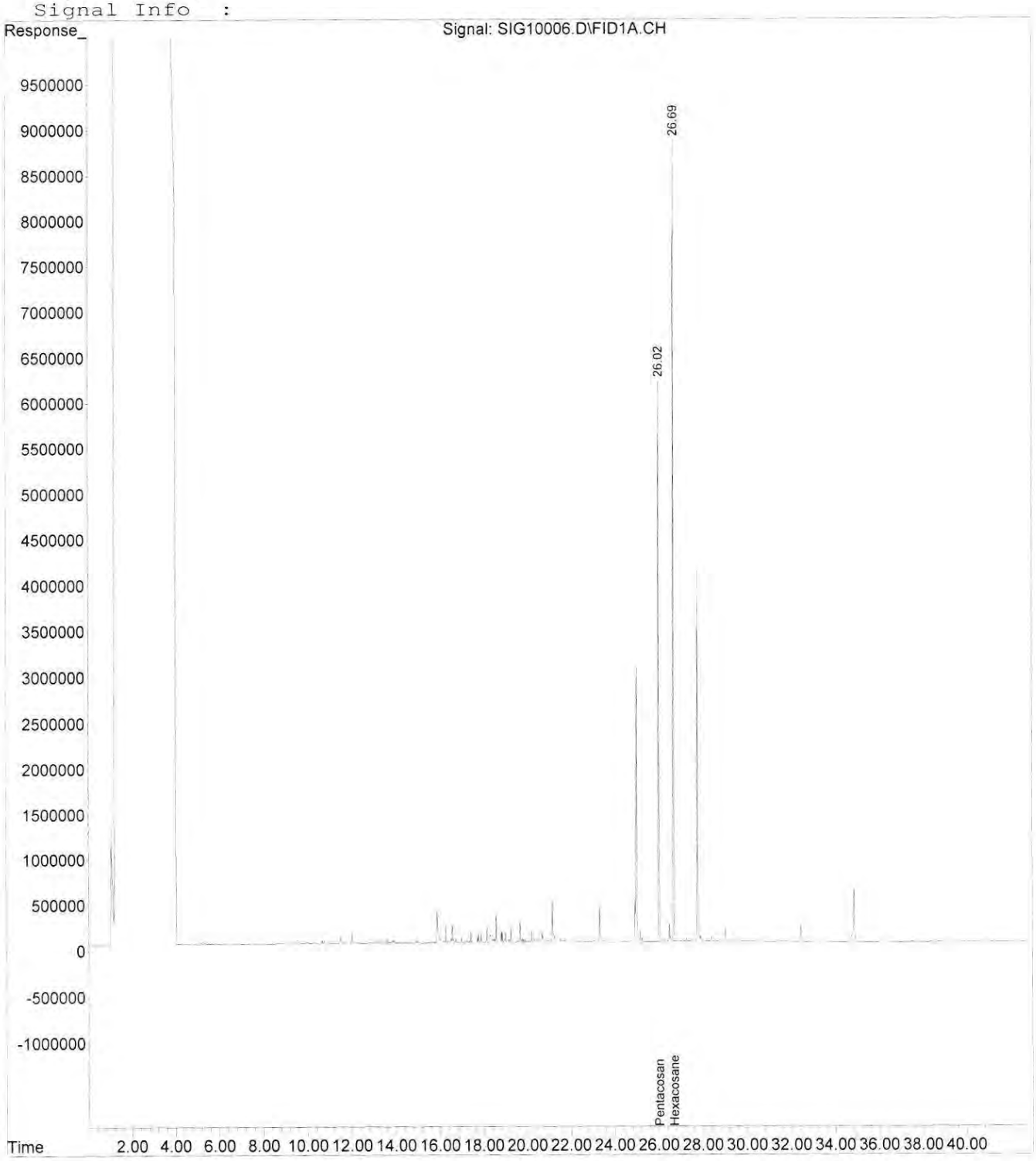
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\062024B\SIG10006.D Vial: 17
Acq On : 21 Jun 2024 15:21 Operator: ARY/BAM
Sample : WED0874-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Jun 21 16:39 2024 Quant Results File: 240618DHT.RES

Quant Method : M:\HPCHEM\1\METHODS\240618DHT.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 20 13:50:38 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID7.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10035.D Vial: 1
Acq On : 07 May 2024 22:40 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:15 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	267357051	50.000	ppm	
	System Monitoring Compounds					
2) S	Hexacosane	26.52	135937939	44.325	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	88.65%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

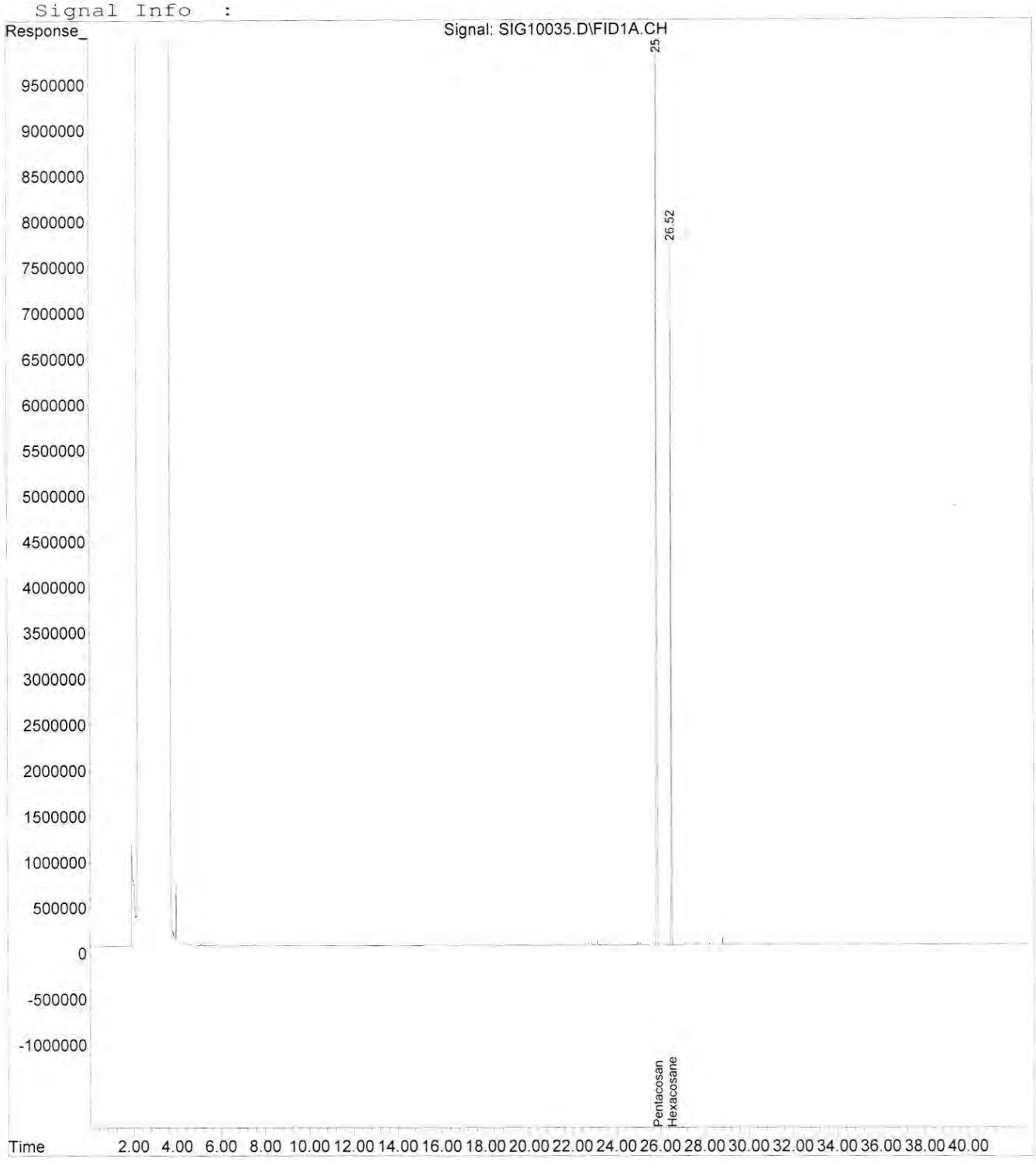
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10035.D Vial: 1
Acq On : 07 May 2024 22:40 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:38 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10036.D Vial: 2
Acq On : 07 May 2024 23:34 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:16 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.88	271931733	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.52	144166949	46.218	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	92.44%		
Target Compounds					
3) H TPH Diesel (C12-C14)	17.00	2124384403	547.101	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

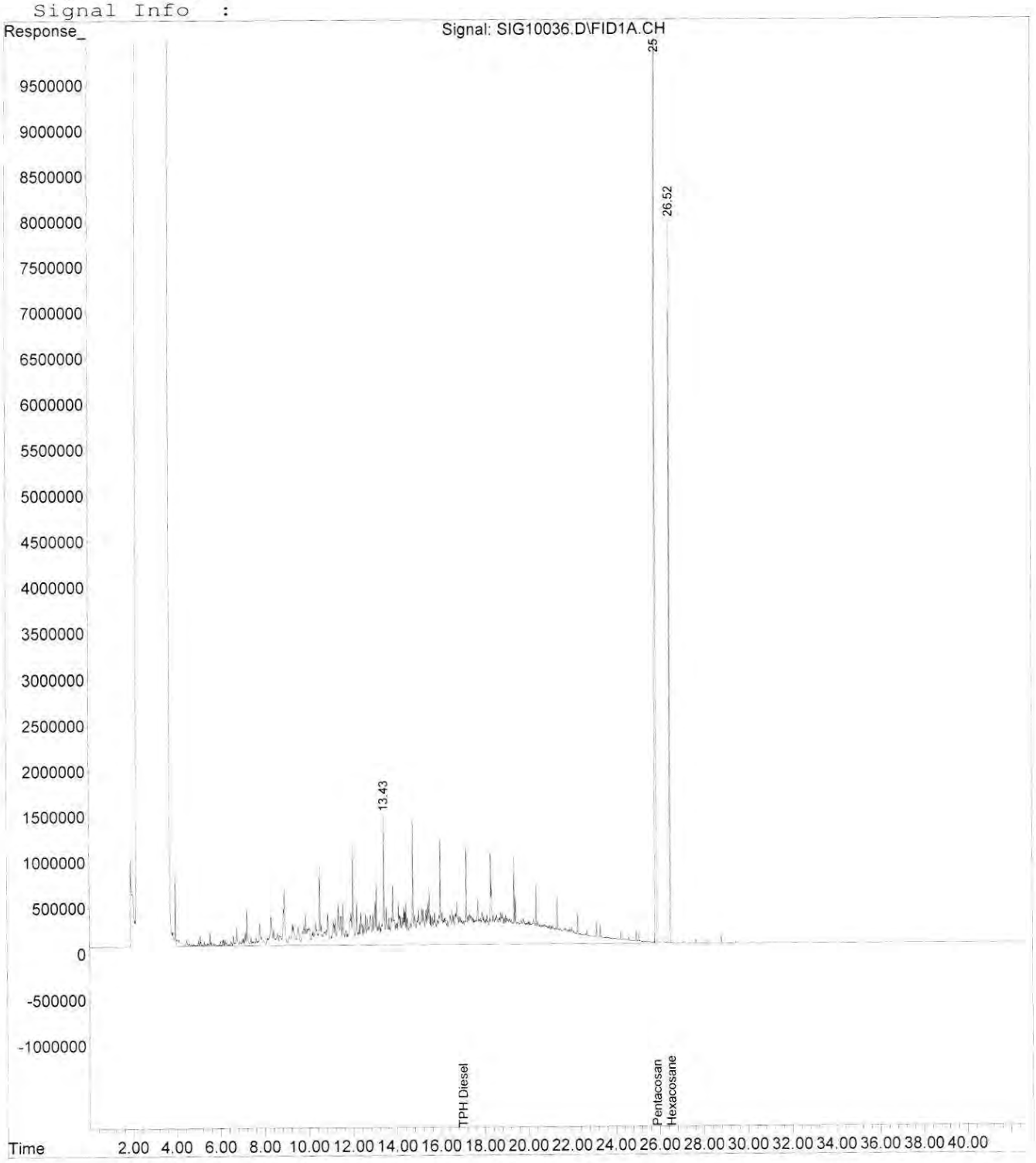
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10036.D Vial: 2
Acq On : 07 May 2024 23:34 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:39 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10037.D Vial: 3
Acq On : 08 May 2024 00:29 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:18 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

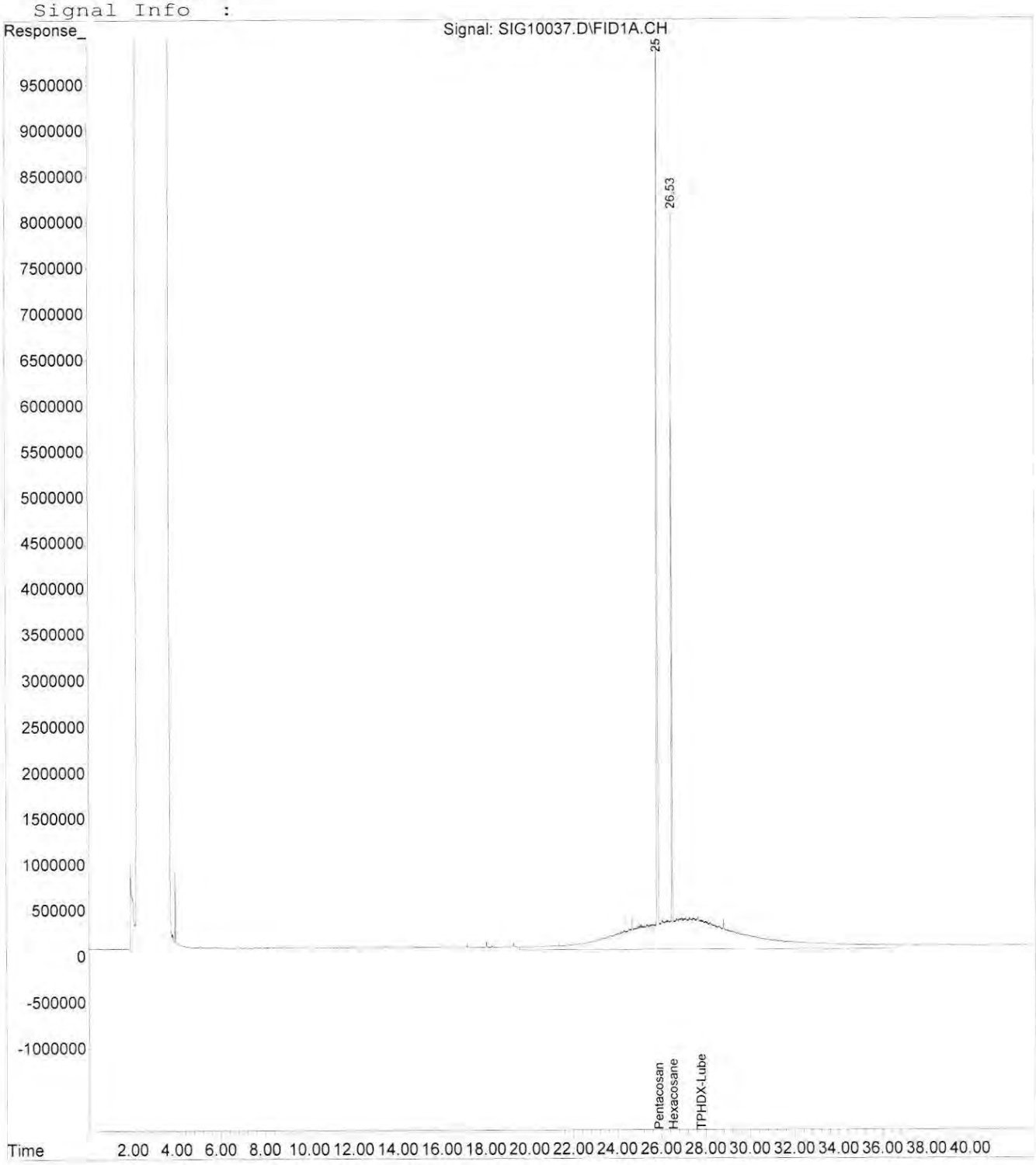
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	297934103	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	154964940	45.344	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	90.69%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	27.80	1338092261	901.096	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10037.D Vial: 3
Acq On : 08 May 2024 00:29 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 13 8:09 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10038.D Vial: 4
Acq On : 08 May 2024 1:24 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:19 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	25.88	253072101	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	26.52	130585325	44.984	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	89.97%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	20.00	4419465455	1043.869	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

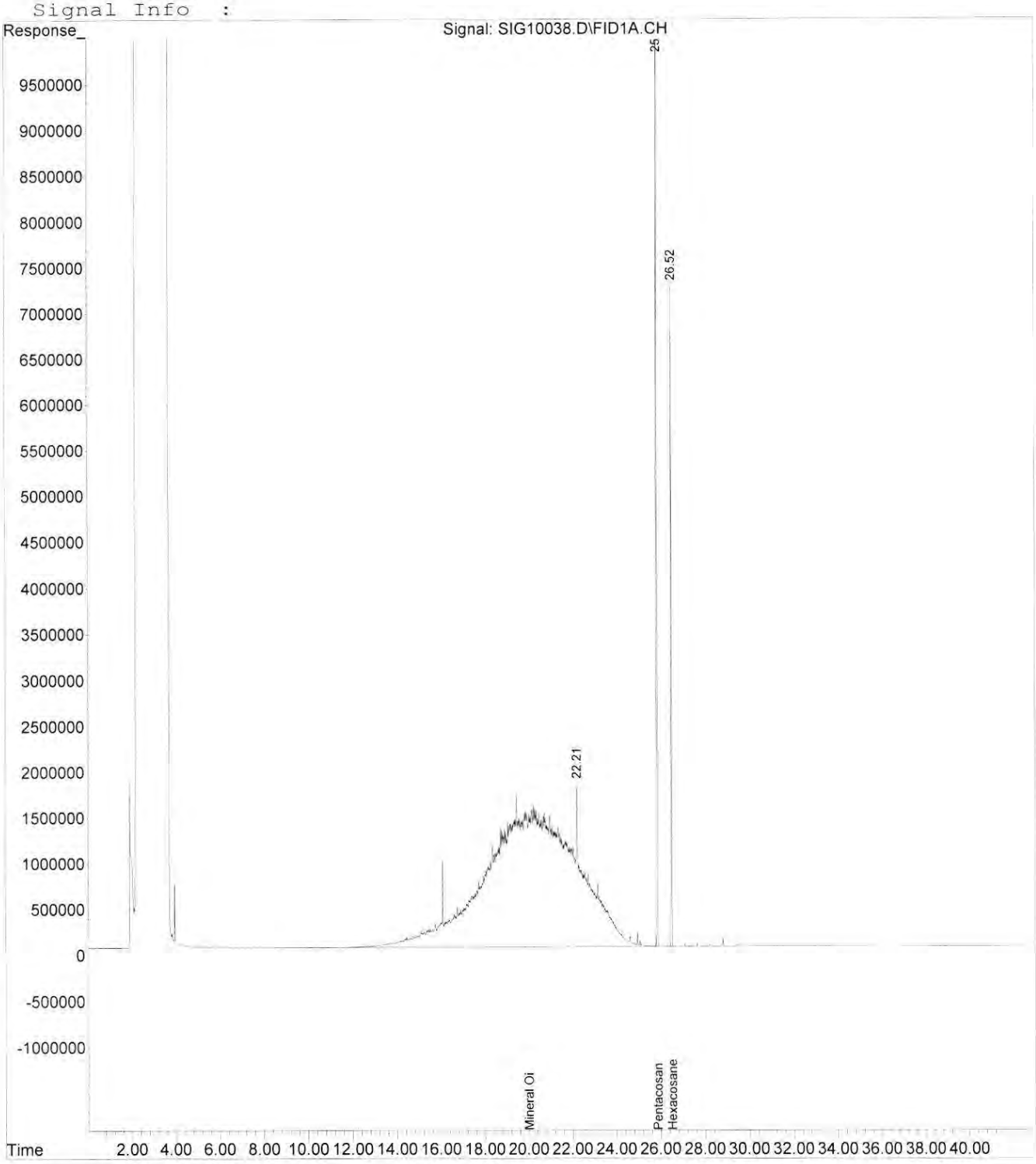
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10038.D Vial: 4
Acq On : 08 May 2024 1:24 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:44 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10039.D Vial: 5
Acq On : 08 May 2024 2:19 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:20 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.90	385393343	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.53	209052042	47.288	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.58%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	7.00	88811144	37.180	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

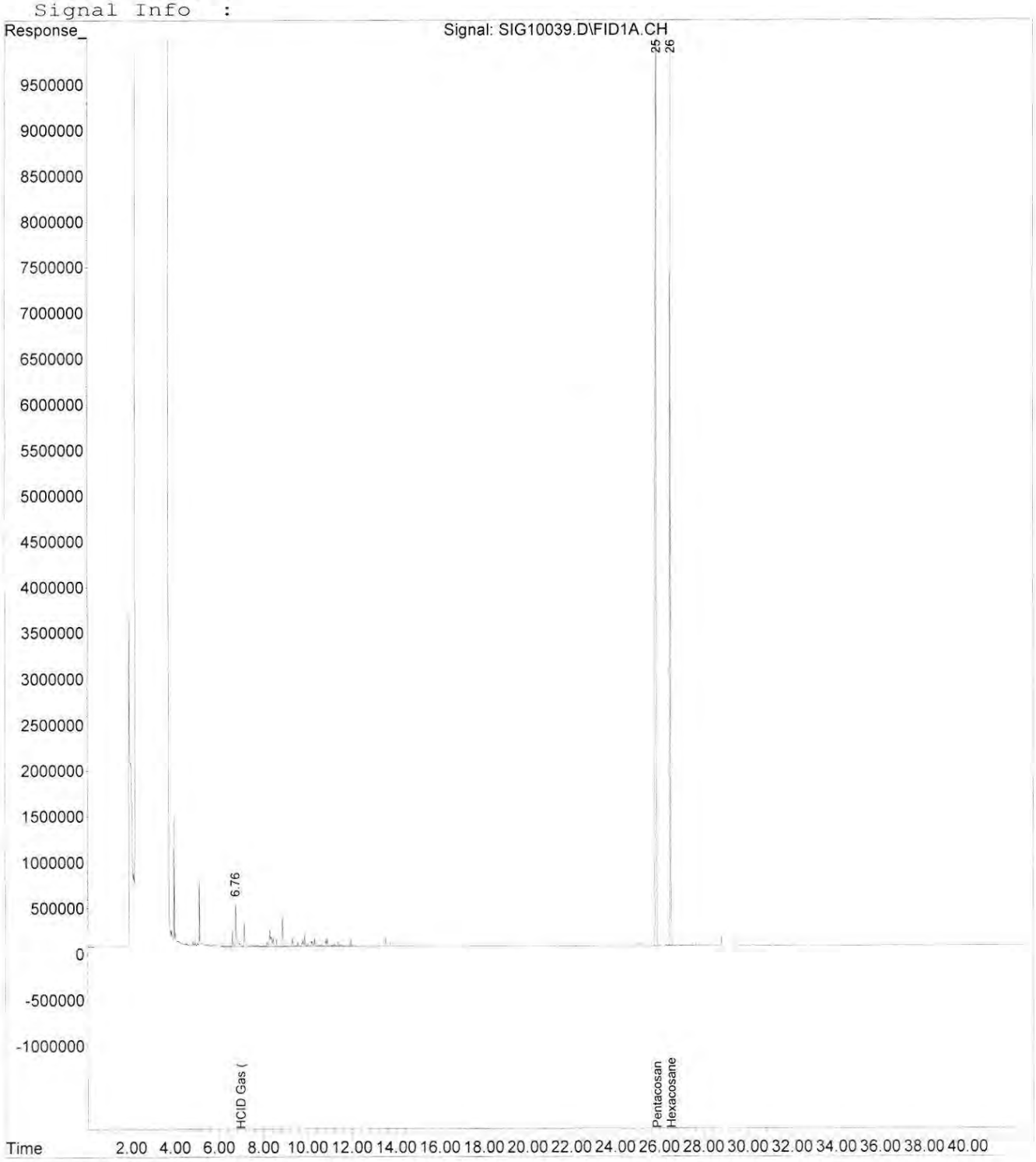
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10039.D Vial: 5
Acq On : 08 May 2024 2:19 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:45 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10040.D Vial: 6
Acq On : 08 May 2024 3:13 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:22 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	292169632	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.53	145651869	43.460	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	86.92%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	17.00	1901110024	455.687	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

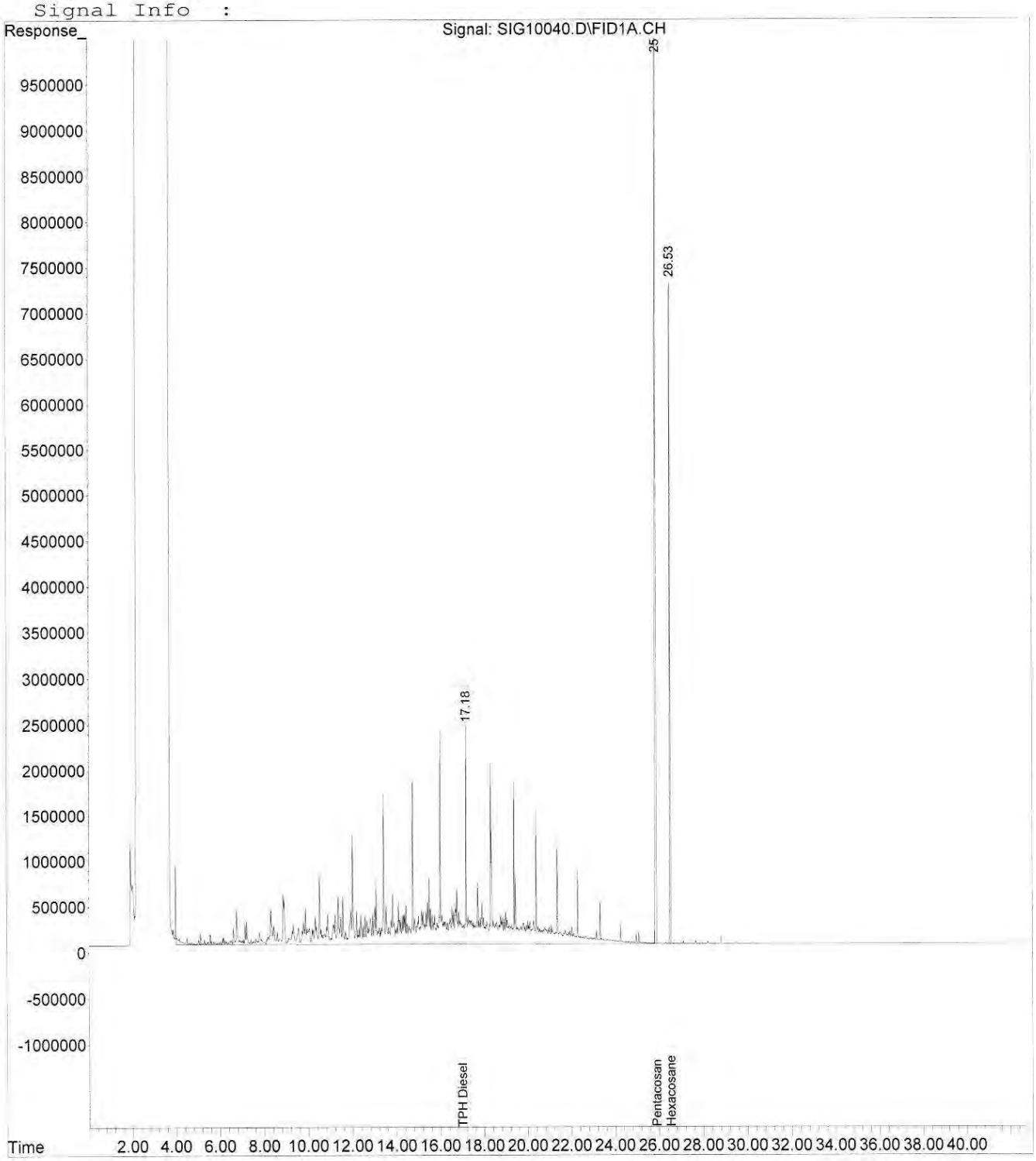
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10040.D Vial: 6
Acq On : 08 May 2024 3:13 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:46 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10044.D Vial: 1
Acq On : 08 May 2024 6:51 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:28 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

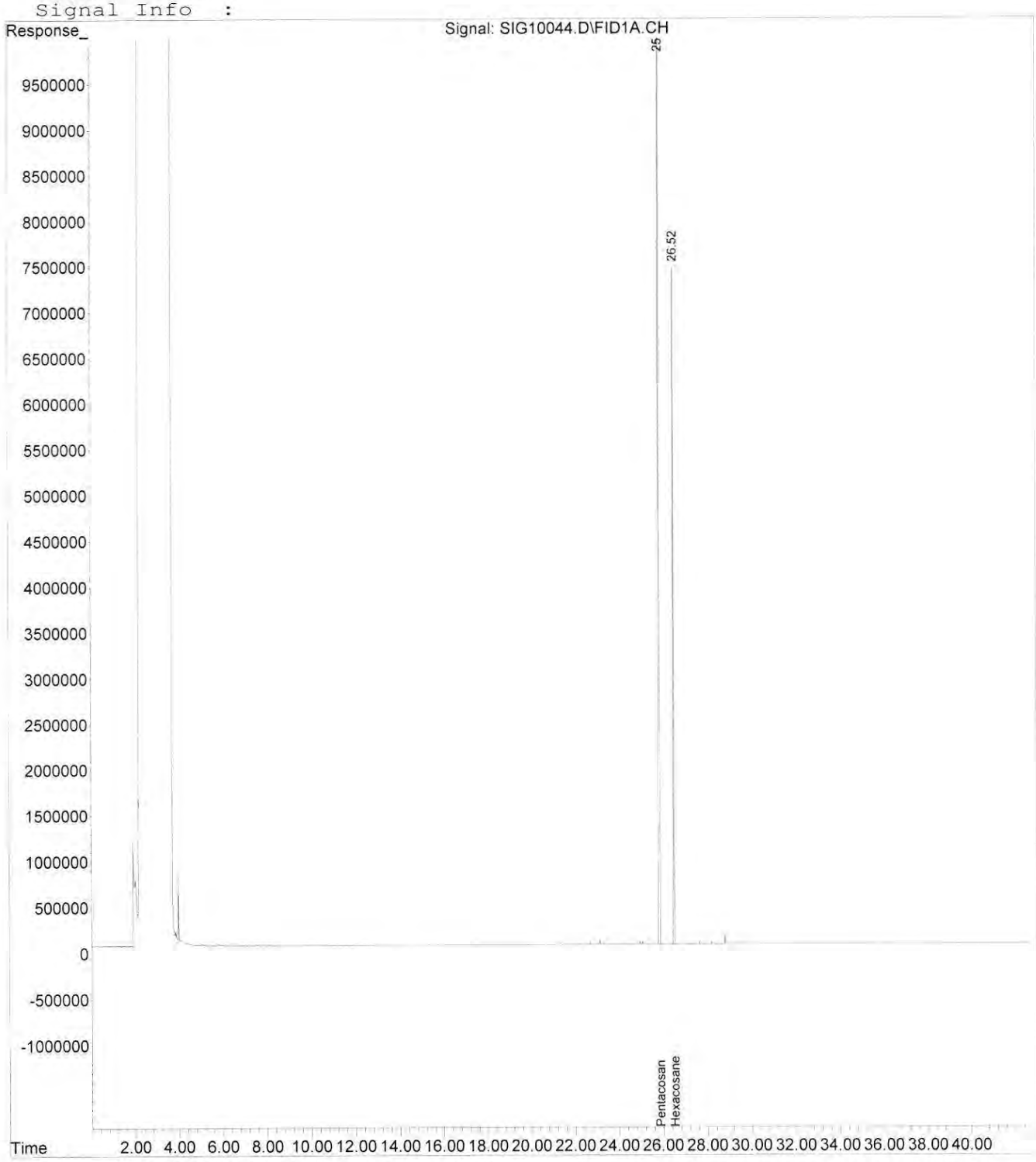
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.87	284867630	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.52	144070785	44.090	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	88.18%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10044.D Vial: 1
Acq On : 08 May 2024 6:51 Operator: ARY
Sample : BLK Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:50 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10045.D Vial: 2
Acq On : 08 May 2024 7:46 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:29 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	276732518	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.52	145954850	45.979	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	91.96%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	17.00	2215066289	560.558	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

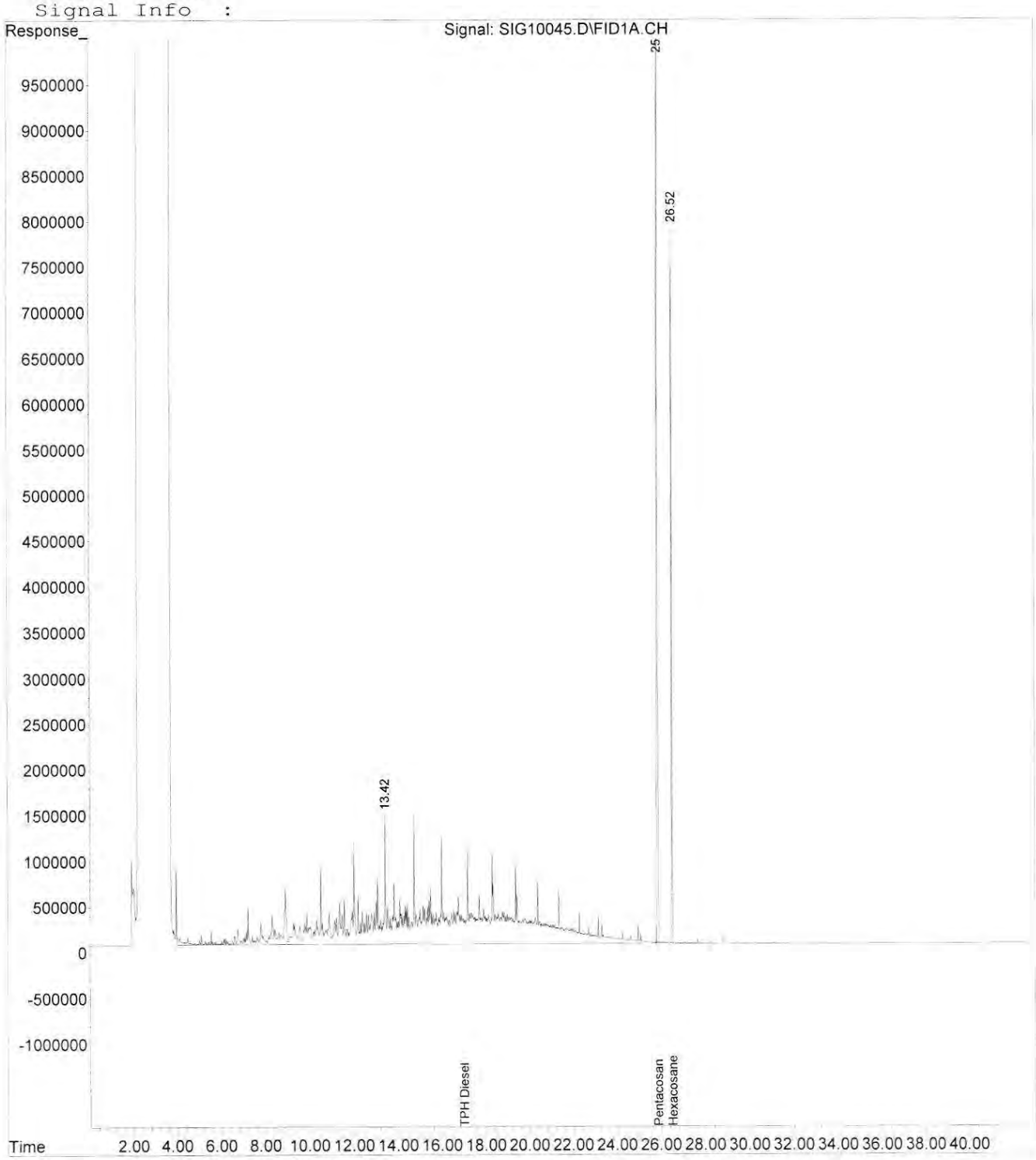
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10045.D Vial: 2
Acq On : 08 May 2024 7:46 Operator: ARY
Sample : DX 500 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:51 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10046.D Vial: 3
Acq On : 08 May 2024 8:41 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:31 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.89	308245652	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.53	160319416	45.341	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	90.68%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	27.80	1503021885	978.303	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

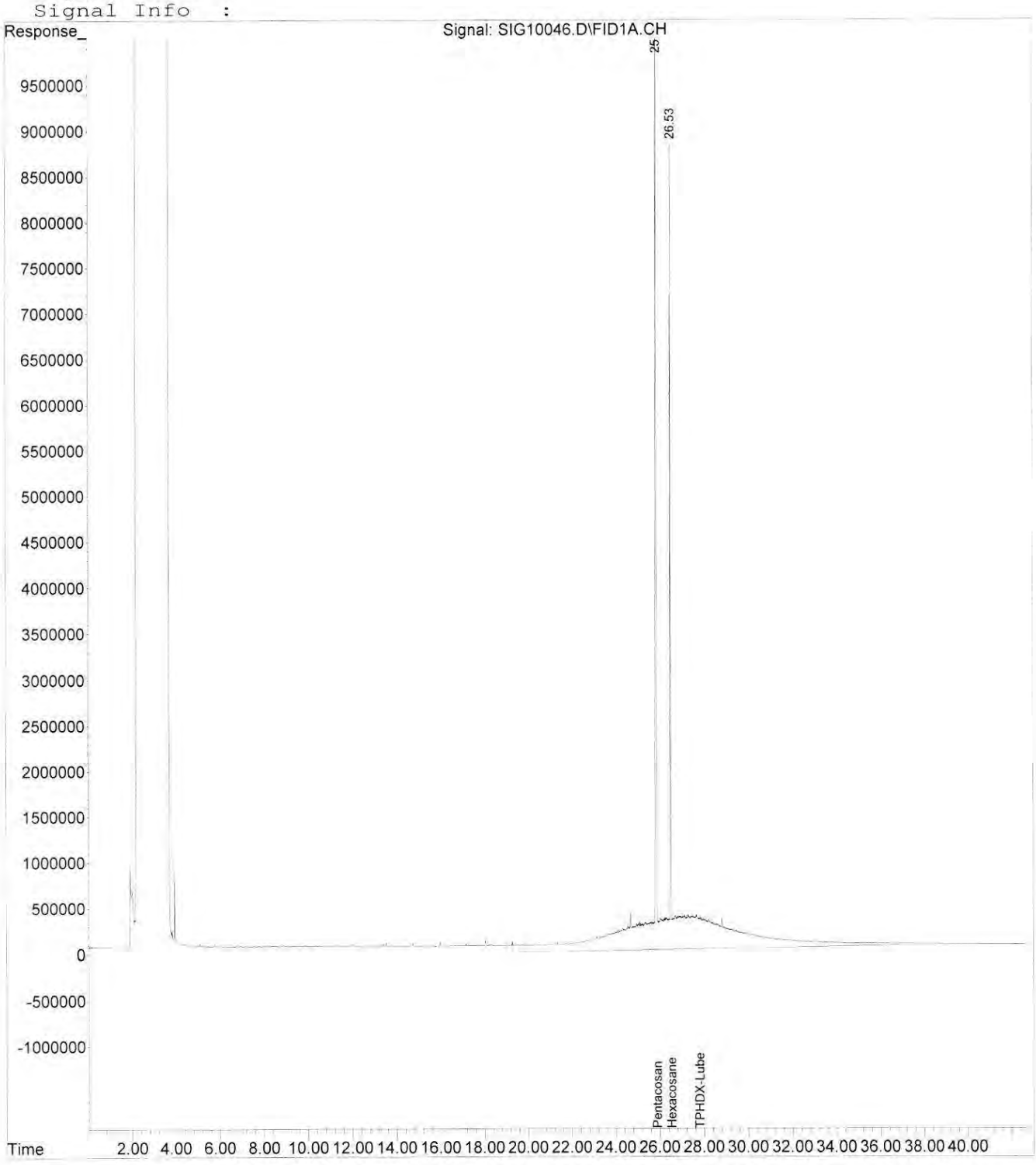
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10046.D Vial: 3
Acq On : 08 May 2024 8:41 Operator: ARY
Sample : LO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 13 8:10 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10047.D Vial: 4
Acq On : 08 May 2024 9:36 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:32 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.87	254195704	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.52	130720922	44.831	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	89.66%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	20.00	4491695534	1056.240	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

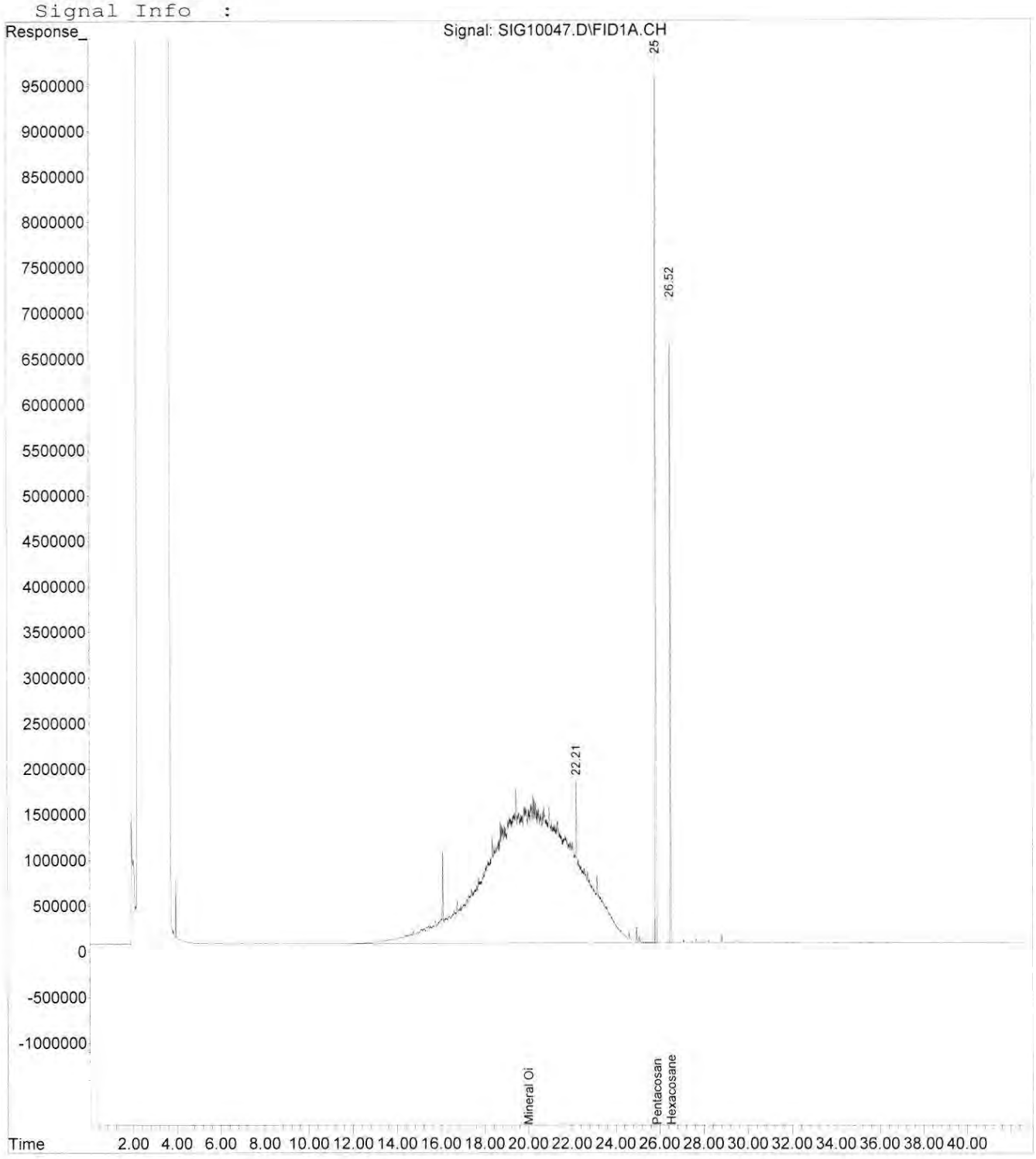
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10047.D Vial: 4
Acq On : 08 May 2024 9:36 Operator: ARY
Sample : MO 1000 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:52 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10048.D Vial: 5
Acq On : 08 May 2024 10:31 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:34 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

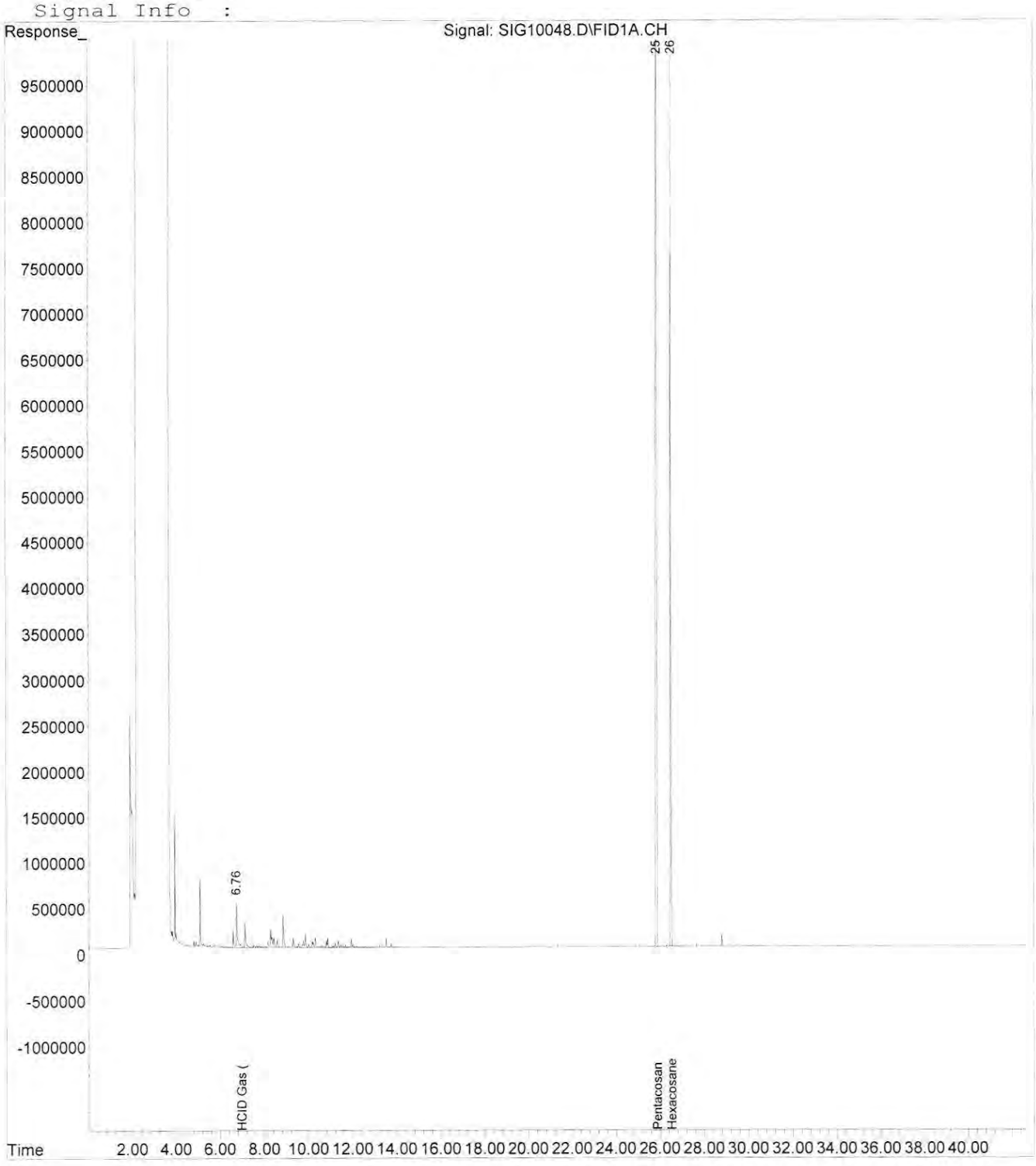
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	25.89	411806471	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	26.53	223110398	47.231	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	94.46%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	7.00	94390267	36.981	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10048.D Vial: 5
Acq On : 08 May 2024 10:31 Operator: ARY
Sample : GAS 40 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:53 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10049.D Vial: 6
Acq On : 08 May 2024 11:26 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 08 13:41:36 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	25.88	286509362	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	26.52	142650083	43.405	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	86.81%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	17.00	1876846411	458.758	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

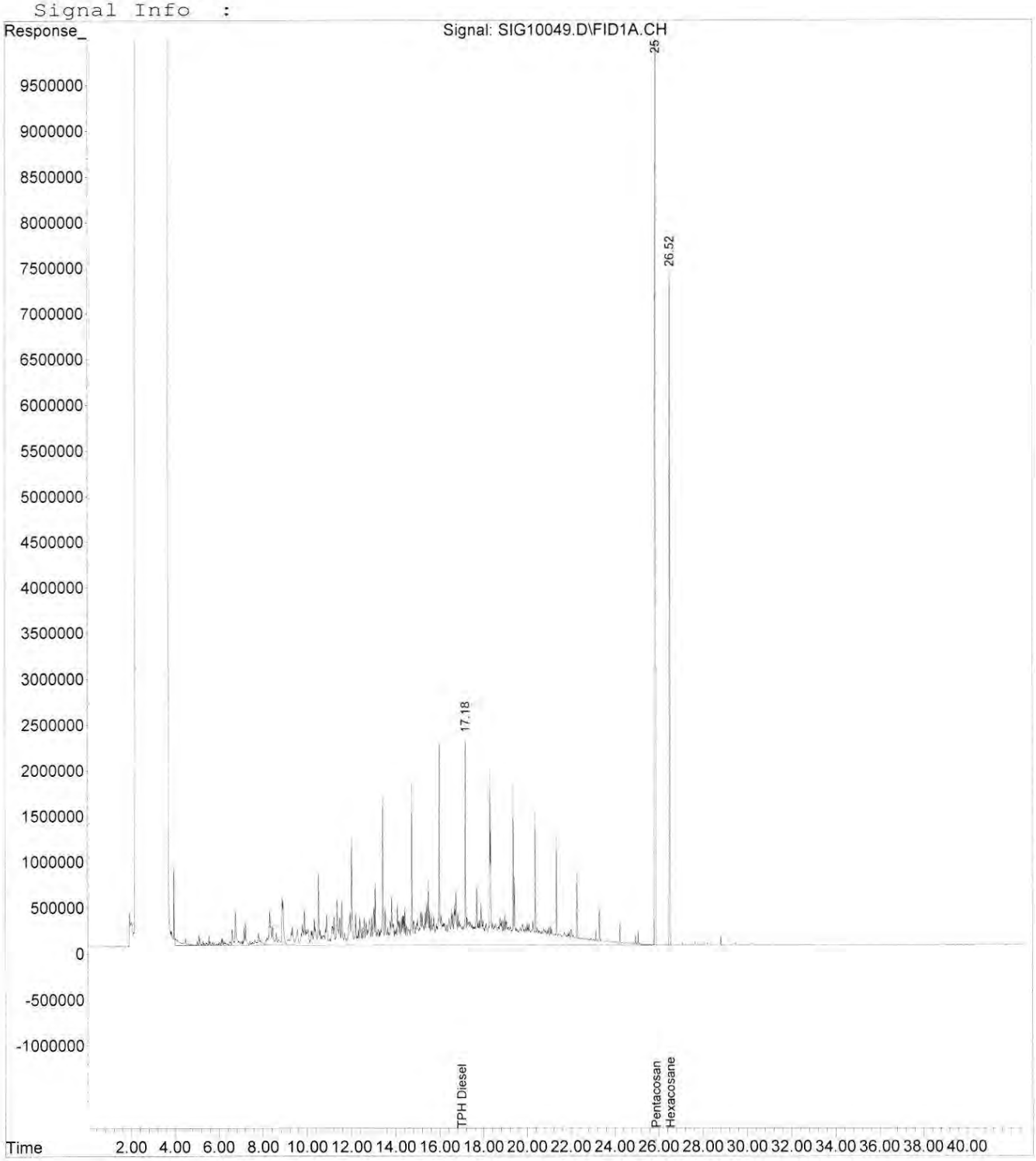
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : M:\HPCHEM\1\2024DATA\050624\SIG10049.D Vial: 6
Acq On : 08 May 2024 11:26 Operator: ARY
Sample : ICV Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: May 8 14:54 2024 Quant Results File: 040824C.RES

Quant Method : W:\HPCHEM\1\METHODS\040824C.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 15 08:46:08 2024
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



PACAGLAB.COM
503.626.7943
21830 S.W. Alexander Ln
Sherwood, OR 97140

Anatek Labs Inc
504 E Sprague Ave, Suite D
Spokane, WA 99202

Report Number: P240479
Report Date: May 08, 2024
Client Project ID: WED0874

Analytical Report

Client Sample ID: WW-3
Matrix: water

PAL Sample ID: P240479-01
Sample Date: 4/12/24
Received Date: 4/24/24

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: Modified EPA 549.2 (LC-MS/MS)					H1
4/30/24	4/30/24	Diquat	ND	10 ug/L	
4/30/24	4/30/24	Paraquat	ND	10 ug/L	

Client Sample ID: E-1
Matrix: water

PAL Sample ID: P240479-02
Sample Date: 4/12/24
Received Date: 4/24/24

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: Modified EPA 549.2 (LC-MS/MS)					H1
4/30/24	4/30/24	Diquat	ND	10 ug/L	
4/30/24	4/30/24	Paraquat	ND	10 ug/L	

This analytical report complies with the ISO/IEC 17025:2017 Quality Standard.

Kara Greer, Project Manager

Matrix SCIENCES | PAL PACIFIC AGRICULTURAL LABORATORY

PACAGLAB.COM
503.626.7943
21830 S.W. Alexander Ln
Sherwood, OR 97140

Anatek Labs Inc
504 E Sprague Ave, Suite D
Spokane, WA 99202

Report Number: P240479
Report Date: May 08, 2024
Client Project ID: WED0874

Quality Assurance

Method Blank Data **Matrix:** water

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/30/24	4/30/24	24D3005-BLK1	Diquat	Not Detected	< 10 ug/L	
4/30/24	4/30/24	24D3005-BLK1	Paraquat	Not Detected	< 10 ug/L	

Blank Spike Data **Matrix:** water

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/30/24	4/30/24	24D3005-BS1	Diquat	102	60-140	
4/30/24	4/30/24	24D3005-BSD1	Diquat	105	60-140	
4/30/24	4/30/24	24D3005-BS1	Paraquat	100	60-140	
4/30/24	4/30/24	24D3005-BSD1	Paraquat	95	60-140	

Matrix Spike Data **Matrix:** water

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/30/24	4/30/24	24D3005-MS1	Diquat	100	60-140	
4/30/24	4/30/24	24D3005-MSD1	Diquat	104	60-140	
4/30/24	4/30/24	24D3005-MS1	Paraquat	98	60-140	
4/30/24	4/30/24	24D3005-MSD1	Paraquat	100	60-140	

Duplicate Data **Matrix:** water

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	Sample Result	Duplicate Result	RPD	Notes
4/30/24	4/30/24	24D3005-DUP1	Diquat	ND	ND	0	
4/30/24	4/30/24	24D3005-DUP1	Paraquat	ND	ND	0	

Project Notes

Notes	Definition
H1	The sample was received and extracted outside of recommended hold time.

This analytical report complies with the ISO/IEC 17025:2017 Quality Standard.

Kara Greer, Project Manager

Report Generated By Teledyne CETAC QuickTrace

Analyst: Mercury

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\04192024 Hg.wszf

Creation Date: 4/19/2024 10:25:40 AM

Comment:

Results

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
Calibration Blank		STD	04/19/24 11:23:50 am	0.000	2794	1.03	-40.84		N/A
Replicates	2801.2 2763.5 2780.5 2830.2								
Standard #1 (0.1 ug/L)		STD	04/19/24 11:26:21 am	0.100	4896	1.46	-55.84		N/A
Replicates	4835.0 4839.2 4926.2 4982.4								
Standard #2 (0.5 ug/L)		STD	04/19/24 11:28:53 am	0.500	14546	1.45	-65.55		N/A
Replicates	14371.9 14390.5 14598.7 14822.5								
Standard #3 (2.0 ug/L)		STD	04/19/24 11:31:25 am	2.000	55857	1.75	105.18		N/A
Replicates	54934.2 55299.7 56038.9 57154.7								
Standard #4 (5.0 ug/L)		STD	04/19/24 11:33:57 am	5.000	131107	2.04	148.50		N/A
Replicates	128495.3 129585.2 131815.7 134531.4								
Standard #5 (10.0 ug/L)		STD	04/19/24 11:36:29 am	10.000	248805	2.03	-91.45		N/A
Replicates	243852.6 245855.7 250331.7 255181.4								

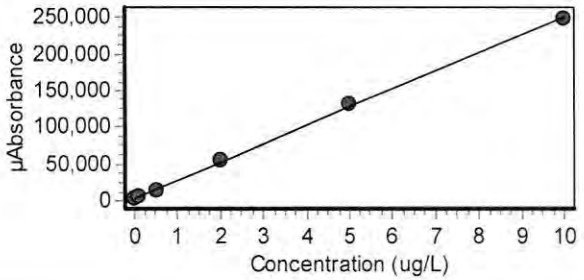
Calibration

Equation: A = 3803.642 + 24726.287C

R2: 0.99935

SEE: 2779.9080

Flags:



ICV		ICV	04/19/24 11:39:58 am	-0.147	160	1.17		Q	-3.68
Replicates	223.5 138.3 141.1 135.3								
CCV (95-105%)		OPR	04/19/24 11:42:30 am	5.190	132159	1.51			103.82
Replicates	130332.9 130992.9 132629.6 134678.7								
CCB		CCB	04/19/24 11:45:01 am	-0.031	3033	5.23			N/A
Replicates	2988.0 3025.7 3031.6 3085.9								
ICV		ICV	04/19/24 11:47:32 am	4.470	114411	1.51			111.83
Replicates	112603.7 113532.2 115129.0 116377.2								
BLANK		MB	04/19/24 11:50:03 am	-0.128	627	0.49			N/A
Replicates	629.4 618.0 611.6 647.5								
		UNK	04/19/24 11:52:34 am	4.760	121455	2.13			N/A
Replicates	118466.3 120493.1 122643.6 124216.9								
LCS		LCS	04/19/24 11:55:05 am	4.420	113039	1.89			110.44
Replicates	110702.4 112082.9 113966.0 115403.0								

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
ICV	ICV	04/19/24 11:57:36 am	6.370	161297	2.17	Q	159.24
Replicates	157396.2	159825.4	162680.9	165283.5			
MED0095-01	UNK	04/19/24 12:00:07 pm	-0.126	692	0.29		N/A
Replicates	705.8	688.0	689.3	686.1			
WED0491-02	UNK	04/19/24 12:02:40 pm	-0.115	961	0.45		N/A
Replicates	947.8	960.3	958.6	978.8			
MS1	UNK	04/19/24 12:05:11 pm	5.220	132818	0.62		N/A
Replicates	132115.3	132221.2	133113.5	133821.5			
MSD1	UNK	04/19/24 12:07:43 pm	5.250	133668	0.52		N/A
Replicates	133062.6	133211.8	133860.8	134535.1			
ICV	ICV	04/19/24 12:10:13 pm	5.930	150465	0.92	Q	148.28
Replicates	149119.2	149657.0	150973.8	152110.3			
WED0491-03	UNK	04/19/24 12:12:45 pm	-0.138	386	0.21		N/A
Replicates	386.8	395.5	378.5	382.6			
WED0491-04	UNK	04/19/24 12:15:17 pm	-0.129	626	0.31		N/A
Replicates	623.9	626.4	638.9	615.1			
BLANK	UNK	04/19/24 12:17:49 pm	-0.022	3262	10.87		N/A
Replicates	3206.2	3216.7	3302.9	3321.7			
MDL 0.1 PPB 1	UNK	04/19/24 12:20:20 pm	0.059	5270	8.49		N/A
Replicates	5147.3	5188.9	5324.4	5417.9			
MDL 0.1 PPB 2	UNK	04/19/24 12:22:51 pm	0.060	5287	6.03		N/A
Replicates	5200.0	5237.0	5309.5	5402.8			
MDL 0.1 PPB 3	UNK	04/19/24 12:25:23 pm	0.063	5367	7.20		N/A
Replicates	5223.7	5345.1	5409.6	5490.3			
ICV	ICV	04/19/24 12:27:54 pm	5.180	131906	1.29	Q	129.52
Replicates	130065.2	131094.4	132647.7	133817.4			
WED0491-05	UNK	04/19/24 12:30:26 pm	-0.136	445	0.38		N/A
Replicates	461.0	431.5	449.3	439.0			
WED0491-06	UNK	04/19/24 12:32:58 pm	-0.135	475	0.55		N/A
Replicates	457.7	495.1	461.2	485.2			
WED0601-01	UNK	04/19/24 12:35:31 pm	-0.127	673	0.52		N/A
Replicates	683.7	689.3	663.2	655.0			
WED0601-02	UNK	04/19/24 12:38:02 pm	-0.120	829	0.51		N/A
Replicates	816.6	817.5	848.4	833.4			
WED0601-03	UNK	04/19/24 12:40:33 pm	-0.121	807	0.43		N/A
Replicates	798.0	801.2	802.7	826.0			
WED0601-04	UNK	04/19/24 12:43:04 pm	-0.138	392	0.38		N/A
Replicates	388.9	384.2	383.7	411.2			
WED0604-01	UNK	04/19/24 12:45:35 pm	-0.144	235	0.51		N/A
Replicates	251.9	247.7	213.2	227.2			

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
WED0668-01	UNK	04/19/24 12:48:07 pm	-0.128	644	0.17		N/A
Replicates	643.9	650.4	637.4	643.3			
WED0668-02	UNK	04/19/24 12:50:38 pm	-0.127	672	0.22		N/A
Replicates	678.0	661.8	673.0	674.5			
WED0725-01	UNK	04/19/24 12:53:10 pm	-0.119	855	0.26		N/A
Replicates	865.6	851.9	847.3	854.4			
WED0725-02	UNK	04/19/24 12:55:42 pm	-0.123	771	0.21		N/A
Replicates	763.7	778.8	770.5	772.5			
WED0836-01	UNK	04/19/24 12:58:14 pm	-0.123	759	0.51		N/A
Replicates	742.3	753.7	761.5	779.5			
WED0836-02	UNK	04/19/24 01:00:46 pm	-0.119	869	0.37		N/A
Replicates	853.6	875.4	877.7	868.4			
MS2	UNK	04/19/24 01:03:19 pm	5.350	136189	1.86		N/A
Replicates	133368.7	135154.5	137170.3	139062.3			
MSD2	UNK	04/19/24 01:05:51 pm	5.470	139165	1.39		N/A
Replicates	136761.1	138675.9	140156.9	141065.8			
WED0666-01@10	UNK	04/19/24 01:08:22 pm	0.991	28310	5.93		N/A
Replicates	27342.1	27251.2	28269.2	30375.7			
WED0666-01	UNK	04/19/24 01:10:53 pm	O/R	275683	1.48	O	N/A
Replicates	270656.3	274519.4	277568.9	279988.2			
BLK	UNK	04/19/24 01:15:51 pm	-0.131	562	0.25		N/A
Replicates	566.2	569.9	551.6	559.2			
LCS	UNK	04/19/24 01:18:22 pm	4.960	126350	1.96		N/A
Replicates	123506.6	125477.2	127311.5	129104.0			
BLANK	UNK	04/19/24 01:20:53 pm	-0.035	2941	6.08		N/A
Replicates	2877.8	2924.0	2960.9	3000.9			
CK	UNK	04/19/24 01:23:25 pm	5.620	142725	2.00		N/A
Replicates	139229.3	141959.4	144087.0	145622.9			
CK2	UNK	04/19/24 01:48:34 pm	2.400	63233	1.97		N/A
Replicates	61867.1	62718.9	63837.7	64509.4			
CK	UNK	04/19/24 01:53:35 pm	0.509	16396	1.57		N/A
Replicates	16137.1	16350.1	16516.9	16578.7			
BLANK	UNK	04/19/24 03:23:46 pm	-0.130	581	0.22		N/A
Replicates	585.4	574.4	588.9	575.4			
LCS	UNK	04/19/24 03:26:17 pm	5.550	140921	1.33		N/A
Replicates	138446.9	141942.6	142584.3	140708.4			
WED0874-01	UNK	04/19/24 03:28:48 pm	-0.102	1282	8.24		N/A
Replicates	1517.9	1354.3	1229.6	1025.3			
WED0874-02	UNK	04/19/24 03:31:20 pm	-0.082	1769	1.83		N/A
Replicates	1771.6	1804.2	1782.7	1716.7			

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
WED0874-03				UNK	04/19/24 03:33:51 pm	-0.118	888	2.14		N/A
	Replicates	954.5	920.7	863.6	813.4					
MS1				UNK	04/19/24 03:36:22 pm	3.880	99834	2.21		N/A
	Replicates	100721.3	101599.5	100258.8	96756.3					
MSD1				UNK	04/19/24 03:38:54 pm	2.520	66077	6.10		N/A
	Replicates	70615.1	67479.0	64349.8	61864.3					
WED0874-04				UNK	04/19/24 03:41:26 pm	-0.109	1103	5.92		N/A
	Replicates	1307.2	1144.2	1020.7	939.8					
WED0874-06				UNK	04/19/24 03:43:58 pm	-0.162	-201	0.58		N/A
	Replicates	-219.4	-197.8	-168.9	-216.4					
WED0874-07				UNK	04/19/24 03:46:30 pm	-0.140	330	0.47		N/A
	Replicates	330.3	334.7	346.0	307.4					
WED0874-08				UNK	04/19/24 03:49:03 pm	-0.131	570	0.60		N/A
	Replicates	570.0	585.3	583.5	543.0					
WED0874-09				UNK	04/19/24 03:51:35 pm	-0.138	388	0.52		N/A
	Replicates	409.6	396.6	372.7	374.7					
WED0874-10				UNK	04/19/24 03:54:06 pm	-0.078	1870	2.50		N/A
	Replicates	1828.5	1906.8	1916.6	1828.1					
BLANK				UNK	04/19/24 03:56:37 pm	-0.088	1619	1.27		N/A
	Replicates	1604.9	1634.3	1649.0	1587.5					
CK				UNK	04/19/24 03:59:09 pm	3.280	85028	1.82		N/A
	Replicates	83458.4	86141.6	86425.3	84088.5					
WED0874-11				UNK	04/19/24 04:01:40 pm	-0.162	-191	4.63		N/A
	Replicates	-11.8	-87.0	-233.8	-431.1					
WED0874-12				UNK	04/19/24 04:04:12 pm	-0.140	351	0.21		N/A
	Replicates	351.7	347.6	360.0	343.3					
WED0874-13				UNK	04/19/24 04:06:43 pm	-0.155	-29	0.36		N/A
	Replicates	-42.1	-9.6	-30.4	-32.6					
MS2				UNK	04/19/24 04:09:14 pm	3.160	81908	1.56		N/A
	Replicates	80488.9	82770.9	83068.2	81305.4					
MSD2				UNK	04/19/24 04:11:46 pm	3.430	88642	1.92		N/A
	Replicates	88783.0	90122.8	89324.6	86337.6					
BLANK				UNK	04/19/24 04:14:18 pm	-0.173	-464	4.45		N/A
	Replicates	-267.4	-377.4	-502.6	-710.4					
LCS				UNK	04/19/24 04:16:50 pm	3.710	95437	1.60		N/A
	Replicates	94888.9	96857.9	96370.0	93629.7					
BLK				UNK	04/19/24 04:19:21 pm	-0.140	354	7.89		N/A
	Replicates	670.4	454.3	257.8	33.1					
CK				UNK	04/19/24 04:21:53 pm	0.139	7251	3.74		N/A
	Replicates	7213.0	7368.9	7335.4	7085.2					

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
CK1		UNK	04/19/24 04:24:25 pm	0.999	28501	1.84			N/A
	Replicates	27992.4	28800.0	28956.5	28254.0				

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

Batch ID: BED0801 Date: 4/18/2024 Time: 17:04 Initals: DKB

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
100ppm Cellulose TSS Soln.	2401349	100 ppm	BAL-06	5	105	2400562	T-Oven 5

Comments:

spiked MS/MSD with 50ml of TSS std

Date/Time of Weigh: 4/19/24 8:25 4/19/24 9:49

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
BED0801-BLK1	Blank	B1	0.1066	1000	0.1068	0.1066	0.1			
BED0801-BLK2	Blank	B2	0.1121	1000	0.1124	0.1122	0.1	1.00	0.10	
BED0801-BS1	LCS	BS1	0.1061	100	0.1155	0.1154	1	93.00	93.00	
WED0874-01	WW-3	874-1	0.106	150	0.1091	0.1087	0.6666667	27.00	18.00	
WED0874-02	WW-6	874-2	0.1056	10	0.1188	0.1186	10	130.00	1300.00	
BED0801-DUP1	Duplicate WED0874-03	DUP1	0.1061	50	0.1199	0.1199	2	138.00	276.00	
BED0801-MS1	Matrix Spike WED0874-03	MS	0.1071	50	0.1257	0.1258	2	186.00	372.00	
BED0801-MSD1	Matrix Spike Dup WED087	MSD	0.1056	50	0.1241	0.1239	2	183.00	366.00	
WED0874-03	E-1	874-3	0.1072	50	0.121	0.121	2	138.00	276.00	
WED0874-04	E-1 DUP	874-4	0.1058	50	0.1239	0.1237	2	179.00	358.00	
WED0874-06	D-2	874-6	0.1061	250	0.109	0.109	0.4	29.00	11.60	
WED0874-07	D-3	874-7	0.106	100	0.1106	0.1104	1	44.00	44.00	
WED0874-08	D-4	874-8	0.1056	30	0.1149	0.1148	3.3333333	92.00	306.67	
WED0874-09	D-6	874-9	0.1063	30	0.1106	0.1106	3.3333333	43.00	143.33	
WED0874-10	D-7	874-10	0.1056	20	0.1184	0.1186	5	128.00	640.00	
WED0874-11	D-8	874-11	0.1055	300	0.1091	0.109	0.3333333	35.00	11.67	
WED0874-12	U-2/WW-5	874-12	0.107	20	0.123	0.123	5	160.00	800.00	
WED0874-13	U-3/WW-4	874-13	0.1053	200	0.114	0.1137	0.5	84.00	42.00	

PREPARATION BENCH SHEET
Metals

BEC0901

Matrix: Water **Prepared using: Metals - W 3010 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BEC0901-BLK1	03/25/24 10:51 - JLG	50	50				
BEC0901-BS1	03/25/24 10:51 - JLG	50	50	2301403		250	
BEC0901-CCV1	03/25/24 10:51 - JLG	50	50	2300159		250	
BEC0901-MS1	03/25/24 10:51 - JLG	50	50	2301403	WEC0864-01	250	
BEC0901-MS2	03/25/24 10:51 - JLG	50	50	2301403	WEC0864-13	250	
BEC0901-MSD1	03/25/24 10:51 - JLG	50	50	2301403	WEC0864-01	250	
BEC0901-MSD2	03/25/24 10:51 - JLG	50	50	2301403	WEC0864-13	250	
WEC0864-01 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-02 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-03 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-04 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-05 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-06 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-07 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-08 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-09 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			

ch Prepared By _____ Date _____ Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

BEC0901

(Continued)

Matrix: Water **Prepared using: Metals - W 3010 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WEC0864-10 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-11 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-12 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			
WEC0864-13 Analytes: Arsenic	03/25/24 10:51 - JLG	50	50	Client: Stantec-GS			

Support Equipment: W PT-04 W PT-33 W PT-21, W PT-27, BLK1B

Batch Comments: WED0864 3,4& 5 SPIKED INTERNALS MULTIPLE TIMES OVER MULTIPLE CALIBRATIONS.

Reagent ID	Description	LotNum
2303108	P. 1:1 HCl-metals	59072
2303320	Nitric Acid	63076
2303351	P. Metals Digestion Vials	102623
2400625	C. Internal Standard Mix	-
2400754	Metals UHP Helium	155-402885127-1
2400923	C. 10 ppb Tune Solution	-

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ch Prepared By _____ Date _____

Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

BED0876

Matrix: Water **Prepared using: Metals - W 3010 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BED0876-BLK1	04/22/24 09:51 - JLG	50	50				
BED0876-BS1	04/22/24 09:51 - JLG	50	50	2301403		250	
BED0876-MS1	04/22/24 09:51 - JLG	50	50	2301403	WED0874-03	250	
BED0876-MS2	04/22/24 09:51 - JLG	50	50	2301403	WED0874-12	250	
BED0876-MSD1	04/22/24 09:51 - JLG	50	50	2301403	WED0874-03	250	
BED0876-MSD2	04/22/24 09:51 - JLG	50	50	2301403	WED0874-12	250	
WED0874-01 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-02 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-03 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-04 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-06 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-07 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-08 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-09 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-10 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-11 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			

ch Prepared By _____ Date _____ Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

BED0876

(Continued)

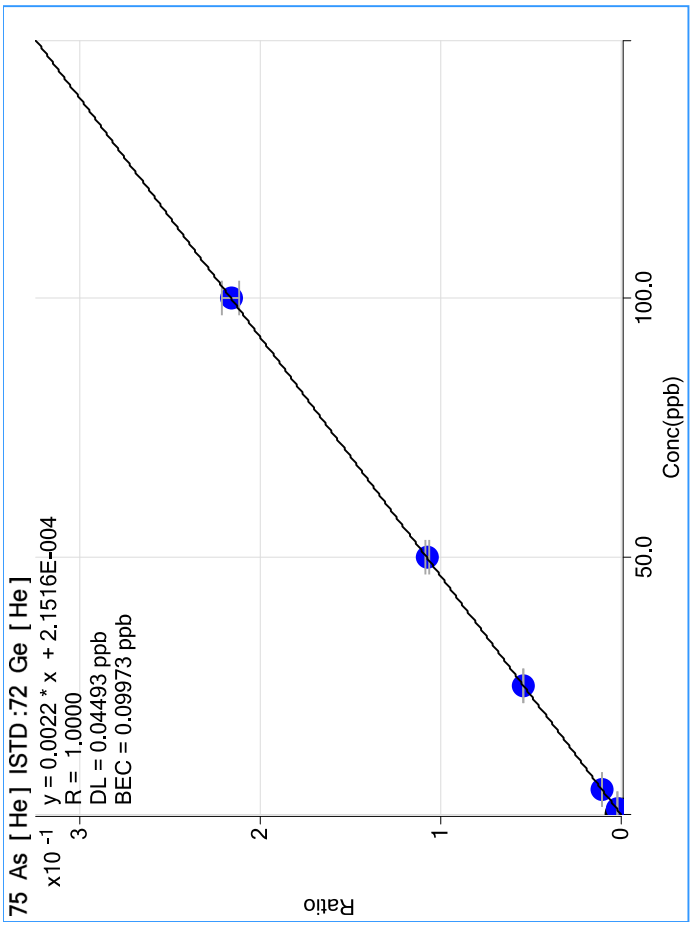
Matrix: Water **Prepared using: Metals - W 3010 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WED0874-12 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			
WED0874-13 Analytes: Arsenic	04/22/24 09:51 - JLG	50	50	Client: Stantec-GS			

Support Equipment: W PT-33 W PT-04 W PT-21, W PT-27, BLK1B

Reagent ID	Description	LotNum
2303320	Nitric Acid	63076
2303351	P. Metals Digestion Vials	102623
2400754	Metals UHP Helium	155-402885127-1
2401086	C. Internal Standard Mix	-
2401310	P. 1:1 HCl-metals	59072
2401327	C. 10 ppb Tune Solution	-

ch Prepared By _____ Date _____ Analytical Run Date _____


75 As [He] ISTD :72 Ge [He]
y = 0.0022 * x + 2.1516E-004
R = 1.0000
DL = 0.04493 ppb
BEC = 0.09973 ppb
x10 -1
Ratio
Conc(ppb)
0
1
2
3
50.0
100.0

Sample Report

Sample Name	CCV
File Name	069_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:36:45
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.956	No Gas	49.956	6	4.3	50	
75	As	47.176	No Gas	47.176	72	4.1	50	
75	As	52.468	He	52.468	72	1.1	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1226750.73	2.5	116.6	1052254.99
Sc	45	No Gas	4020727.42	0.7	101.5	3961617.58333333
Sc	45	He	216014.22	3.8	85.3	253318.213333333
Ge	72	No Gas	1803998.75	2.6	94.5	1909334.87333333
Ge	72	He	315284.67	4.1	87.0	362286.39
Ge	72	HEHe	183497.07	1.1	85.3	215160.16
Rh	103	No Gas	5155171.50	2.6	94.0	5487118
Rh	103	He	2382727.96	3.8	82.9	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	068_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:34:24
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	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	No Gas	1223240.53	2.6	116.2	1052254.99
Sc	45	No Gas	4097955.75	2.9	103.4	3961617.58333333
Sc	45	He	204024.51	2.8	80.5	253318.213333333
Ge	72	No Gas	1818224.54	2.5	95.2	1909334.87333333
Ge	72	He	298559.72	3.2	82.4	362286.39
Ge	72	HEHe	178337.41	1.1	82.9	215160.16
Rh	103	No Gas	5172914.00	1.5	94.3	5487118
Rh	103	He	2318143.66	2.8	80.7	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-BS1
File Name	067_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:32:07
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	47.660	No Gas	47.66	6	3.3	50	
75	As	51.639	He	51.639	72	2.6	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1143559.84	4.4	108.7	1052254.99
Sc	45	No Gas	5130859.17	7.3	129.5	3961617.58333333
Sc	45	He	204525.02	5.9	80.7	253318.213333333
Ge	72	No Gas	1759104.21	1.7	92.1	1909334.87333333
Ge	72	He	273433.70	7.2	75.5	362286.39
Ge	72	HEHe	157768.13	1.3	73.3	215160.16
Rh	103	No Gas	4996950.50	1.3	91.1	5487118
Rh	103	He	2199827.76	8.2	76.6	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-BLK1
File Name	066_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:29:48
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.227	No Gas	0.227	6	0.6	0.5	
75	As	0.039	He	0.039	72	13.6	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1139018.11	1.0	108.2	1052254.99
Sc	45	No Gas	5353685.50	3.9	135.1	3961617.58333333
Sc	45	He	206234.74	2.0	81.4	253318.213333333
Ge	72	No Gas	1770986.21	1.3	92.8	1909334.87333333
Ge	72	He	274782.47	3.8	75.8	362286.39
Ge	72	HEHe	177304.30	1.6	82.4	215160.16
Rh	103	No Gas	4971189.50	2.9	90.6	5487118
Rh	103	He	2164323.66	2.4	75.3	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-05
File Name	065SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:27:28
Sample Type	Sample
Total Dilution	1.0000
Comment	FLAG AND REPORT
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	75.936	No Gas	75.936	6	3.9	100	
75	As	0.968	He	0.968	72	6.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	686816.46	1.2	65.3	1052254.99
Sc	45	No Gas	4041423.75	8.6	102.0	3961617.58333333
Sc	45	He	162539.88	1.0	64.2	253318.213333333
Ge	72	No Gas	1249859.37	3.3	65.5	1909334.87333333
Ge	72	He	216907.82	1.9	59.9	362286.39
Ge	72	HEHe	124071.20	1.6	57.7	215160.16
Rh	103	No Gas	3076736.25	2.4	56.1	5487118
Rh	103	He	1505130.36	3.4	52.4	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-04
File Name	064SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:25:09
Sample Type	Sample
Total Dilution	1.0000
Comment	FLAG AND REPORT
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	80.128	No Gas	80.128	6	5.0	100	
75	As	1.015	He	1.015	72	4.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	608561.77	2.2	57.8	1052254.99
Sc	45	No Gas	3942816.50	7.5	99.5	3961617.58333333
Sc	45	He	146934.60	2.5	58.0	253318.213333333
Ge	72	No Gas	1292813.67	1.1	67.7	1909334.87333333
Ge	72	He	197285.10	2.7	54.5	362286.39
Ge	72	HEHe	119734.41	2.4	55.6	215160.16
Rh	103	No Gas	3151968.00	3.5	57.4	5487118
Rh	103	He	1378858.07	2.0	48.0	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-06
File Name	063SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:22:51
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	12.314	No Gas	12.314	6	3.0	100	
75	As	22.167	He	22.167	72	2.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	726513.92	2.2	69.0	1052254.99
Sc	45	No Gas	4667024.00	6.4	117.8	3961617.58333333
Sc	45	He	205375.82	3.7	81.1	253318.213333333
Ge	72	No Gas	1668274.42	1.4	87.4	1909334.87333333
Ge	72	He	282820.01	4.4	78.1	362286.39
Ge	72	HEHe	186164.62	1.1	86.5	215160.16
Rh	103	No Gas	4461405.50	3.0	81.3	5487118
Rh	103	He	2112754.99	3.7	73.5	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-04
File Name	062SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:20:30
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	8.787	No Gas	8.787	6	2.0	100	
75	As	2.428	He	2.428	72	2.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	784796.91	1.5	74.6	1052254.99
Sc	45	No Gas	5072801.67	5.3	128.0	3961617.58333333
Sc	45	He	249619.56	3.8	98.5	253318.213333333
Ge	72	No Gas	1705712.21	1.6	89.3	1909334.87333333
Ge	72	He	315947.28	3.4	87.2	362286.39
Ge	72	HEHe	196153.00	1.1	91.2	215160.16
Rh	103	No Gas	4640893.33	3.1	84.6	5487118
Rh	103	He	2366719.35	4.6	82.4	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-13
File Name	061SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:18:11
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.387	No Gas	0.387	6	1.4	100	
75	As	0.386	He	0.386	72	8.7	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	826441.28	2.2	78.5	1052254.99
Sc	45	No Gas	4871410.67	7.5	123.0	3961617.58333333
Sc	45	He	232795.68	16.2	91.9	253318.213333333
Ge	72	No Gas	1865562.46	1.5	97.7	1909334.87333333
Ge	72	He	322951.45	14.5	89.1	362286.39
Ge	72	HEHe	174256.29	4.2	81.0	215160.16
Rh	103	No Gas	5292805.67	1.6	96.5	5487118
Rh	103	He	2744444.54	17.5	95.5	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MSD2
File Name	060LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:15:52
Sample Type	LFMDup
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	51.745	No Gas	51.745	6	0.7	20	
75	As	37.313	No Gas	37.313	72	2.9	20	
75	As	40.752	He	40.752	72	2.4	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	819413.46	3.1	77.9	1052254.99
Sc	45	No Gas	5232341.83	4.8	132.1	3961617.58333333
Sc	45	He	235307.48	1.5	92.9	253318.213333333
Ge	72	No Gas	1832278.42	1.0	96.0	1909334.87333333
Ge	72	He	300483.72	3.5	82.9	362286.39
Ge	72	HEHe	194501.64	0.7	90.4	215160.16
Rh	103	No Gas	5186284.00	2.4	94.5	5487118
Rh	103	He	2446137.47	2.7	85.2	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MS2
File Name	059_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:13:31
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	52.547	No Gas	52.547	6	1.9	100	
75	As	40.026	No Gas	40.026	72	3.0	100	
75	As	44.465	He	44.465	72	1.6	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	849620.80	1.7	80.7	1052254.99
Sc	45	No Gas	5433483.67	6.8	137.2	3961617.58333333
Sc	45	He	252170.17	2.5	99.5	253318.213333333
Ge	72	No Gas	1863318.16	1.3	97.6	1909334.87333333
Ge	72	He	309105.94	2.4	85.3	362286.39
Ge	72	HEHe	197752.85	1.9	91.9	215160.16
Rh	103	No Gas	5225135.33	1.6	95.2	5487118
Rh	103	He	2544286.49	3.9	88.6	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-12
File Name	058_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:11:12
Sample Type	AllRef
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.530	No Gas	1.53	6	2.0	100	
75	As	0.759	He	0.759	72	2.5	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	900915.38	2.5	85.6	1052254.99
Sc	45	No Gas	5766699.33	7.4	145.6	3961617.58333333
Sc	45	He	280968.36	3.1	110.9	253318.213333333
Ge	72	No Gas	1823391.84	1.6	95.5	1909334.87333333
Ge	72	He	324346.71	2.3	89.5	362286.39
Ge	72	HEHe	200610.31	0.4	93.2	215160.16
Rh	103	No Gas	5048519.17	0.2	92.0	5487118
Rh	103	He	2604003.92	2.1	90.6	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	057_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:08:54
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	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	No Gas	1044004.02	4.1	99.2	1052254.99
Sc	45	No Gas	4024253.17	2.3	101.6	3961617.58333333
Sc	45	He	252621.00	2.9	99.7	253318.213333333
Ge	72	No Gas	1876738.58	1.9	98.3	1909334.87333333
Ge	72	He	360932.28	3.6	99.6	362286.39
Ge	72	HEHe	212794.71	0.8	98.9	215160.16
Rh	103	No Gas	5540094.33	1.9	101.0	5487118
Rh	103	He	2803537.25	4.9	97.6	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	056CALB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:06:34
Sample Type	CalBlk
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	056CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.187	No Gas	0.187	6	1.0	1000	
75	As	<0.000	He	-0.04	72	16.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1052254.99	5.2	100.0	1052254.99
Sc	45	No Gas	3961617.58	2.1	100.0	3961617.58333333
Sc	45	He	253318.21	5.2	100.0	253318.213333333
Ge	72	No Gas	1909334.87	1.3	100.0	1909334.87333333
Ge	72	He	362286.39	5.0	100.0	362286.39
Ge	72	HEHe	215160.16	3.1	100.0	215160.16
Rh	103	No Gas	5487118.00	1.3	100.0	5487118
Rh	103	He	2872718.01	5.5	100.0	2872718.01
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	055_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:04:16
Sample Type	CCB
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.350	No Gas	0.35	6	1.5	0.5	
75	As	<0.000	He	-0.012	72	20.2	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1018777.05	1.2	72.0	1415387.05
Sc	45	No Gas	3977591.67	1.4	97.6	4074689.16666667
Sc	45	He	245159.87	3.9	69.8	351335.833333333
Ge	72	No Gas	1908040.79	2.1	101.9	1872286.24666667
Ge	72	He	357357.73	3.5	78.4	455619.516666667
Ge	72	HEHe	211293.55	1.7	88.8	238002.75
Rh	103	No Gas	5451874.83	0.4	101.4	5374880.83333333
Rh	103	He	2796153.01	4.0	85.9	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	054_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 21:01:58
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.504	No Gas	49.504	6	4.9	50	
75	As	45.913	No Gas	45.913	72	5.0	50	
75	As	50.099	He	50.099	72	1.9	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1051765.24	3.8	74.3	1415387.05
Sc	45	No Gas	3916883.67	1.6	96.1	4074689.16666667
Sc	45	He	262146.38	10.5	74.6	351335.833333333
Ge	72	No Gas	1903914.25	2.0	101.7	1872286.24666667
Ge	72	He	377425.88	10.1	82.8	455619.516666667
Ge	72	HEHe	192316.68	3.8	80.8	238002.75
Rh	103	No Gas	5451781.67	2.0	101.4	5374880.83333333
Rh	103	He	2990605.09	11.3	91.8	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	053_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:59:38
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	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	No Gas	1083830.70	4.2	76.6	1415387.05
Sc	45	No Gas	4191415.00	0.7	102.9	4074689.16666667
Sc	45	He	244207.27	4.8	69.5	351335.833333333
Ge	72	No Gas	2021811.04	3.5	108.0	1872286.24666667
Ge	72	He	349261.13	4.5	76.7	455619.516666667
Ge	72	HEHe	212775.92	1.5	89.4	238002.75
Rh	103	No Gas	5843333.67	4.6	108.7	5374880.83333333
Rh	103	He	2768238.29	3.8	85.0	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-11
File Name	052SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:57:20
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.022	No Gas	1.022	6	1.7	100	
75	As	3.631	He	3.631	72	1.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	919285.56	3.4	64.9	1415387.05
Sc	45	No Gas	5072102.83	6.4	124.5	4074689.16666667
Sc	45	He	235144.66	2.0	66.9	351335.833333333
Ge	72	No Gas	1876512.33	0.6	100.2	1872286.24666667
Ge	72	He	316163.95	3.0	69.4	455619.516666667
Ge	72	HEHe	198645.48	1.4	83.5	238002.75
Rh	103	No Gas	5214376.00	2.0	97.0	5374880.83333333
Rh	103	He	2478630.04	3.1	76.1	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-10
File Name	051SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:55:01
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	2.749	No Gas	2.749	6	1.2	100	
75	As	2.747	He	2.747	72	2.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	984026.41	2.3	69.5	1415387.05
Sc	45	No Gas	5559590.00	4.9	136.4	4074689.16666667
Sc	45	He	267932.02	3.0	76.3	351335.833333333
Ge	72	No Gas	1849870.62	0.5	98.8	1872286.24666667
Ge	72	He	319641.98	2.9	70.2	455619.516666667
Ge	72	HEHe	200393.74	0.7	84.2	238002.75
Rh	103	No Gas	5082391.67	1.7	94.6	5374880.83333333
Rh	103	He	2434221.98	3.0	74.7	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-09
File Name	050SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:52:41
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.608	No Gas	1.608	6	1.3	100	
75	As	1.426	He	1.426	72	2.7	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1021285.38	1.5	72.2	1415387.05
Sc	45	No Gas	5473222.17	8.4	134.3	4074689.16666667
Sc	45	He	260172.73	2.5	74.1	351335.833333333
Ge	72	No Gas	1858087.58	1.3	99.2	1872286.24666667
Ge	72	He	323243.96	2.4	70.9	455619.516666667
Ge	72	HEHe	202019.34	0.6	84.9	238002.75
Rh	103	No Gas	5145101.83	2.1	95.7	5374880.83333333
Rh	103	He	2448598.86	3.2	75.2	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-08
File Name	049SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:50:22
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.960	No Gas	0.96	6	1.3	100	
75	As	1.209	He	1.209	72	1.1	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1099584.85	5.1	77.7	1415387.05
Sc	45	No Gas	5464179.17	5.9	134.1	4074689.16666667
Sc	45	He	260804.32	1.4	74.2	351335.833333333
Ge	72	No Gas	1888448.62	1.3	100.9	1872286.24666667
Ge	72	He	320812.05	2.3	70.4	455619.516666667
Ge	72	HEHe	199759.95	1.0	83.9	238002.75
Rh	103	No Gas	5267874.50	1.7	98.0	5374880.83333333
Rh	103	He	2512577.05	1.6	77.2	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-07
File Name	048SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:48:03
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.711	No Gas	0.711	6	1.1	100	
75	As	6.049	He	6.049	72	0.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1060569.48	1.8	74.9	1415387.05
Sc	45	No Gas	5281894.50	7.9	129.6	4074689.16666667
Sc	45	He	238398.17	2.7	67.9	351335.833333333
Ge	72	No Gas	1892593.33	0.6	101.1	1872286.24666667
Ge	72	He	324885.00	4.0	71.3	455619.516666667
Ge	72	HEHe	198324.11	1.1	83.3	238002.75
Rh	103	No Gas	5235577.83	0.8	97.4	5374880.83333333
Rh	103	He	2425718.86	3.3	74.5	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MSD1
File Name	047LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:45:42
Sample Type	LFMDup
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	56.715	No Gas	56.715	6	3.1	20	
75	As	74.303	No Gas	74.303	72	4.8	20	
75	As	53.503	He	53.503	72	1.6	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	952392.84	1.9	67.3	1415387.05
Sc	45	No Gas	4930255.33	5.9	121.0	4074689.16666667
Sc	45	He	269831.94	5.7	76.8	351335.833333333
Ge	72	No Gas	1674409.96	2.6	89.4	1872286.24666667
Ge	72	He	335950.51	5.6	73.7	455619.516666667
Ge	72	HEHe	168455.27	2.5	70.8	238002.75
Rh	103	No Gas	4471130.17	1.9	83.2	5374880.83333333
Rh	103	He	2442846.22	6.7	75.0	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MS1
File Name	046_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:43:23
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	58.209	No Gas	58.209	6	3.3	100	
75	As	76.638	No Gas	76.638	72	3.2	100	
75	As	55.157	He	55.157	72	2.4	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	955992.84	1.7	67.5	1415387.05
Sc	45	No Gas	4997002.83	6.8	122.6	4074689.16666667
Sc	45	He	279150.96	3.5	79.5	351335.833333333
Ge	72	No Gas	1669368.67	1.1	89.2	1872286.24666667
Ge	72	He	336006.84	3.2	73.7	455619.516666667
Ge	72	HEHe	196885.87	2.4	82.7	238002.75
Rh	103	No Gas	4486970.67	1.7	83.5	5374880.83333333
Rh	103	He	2357694.21	3.4	72.4	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MS1
File Name	046_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:43:23
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	58.209	No Gas	58.209	6	3.3	100	
75	As	76.638	No Gas	76.638	72	3.2	100	
75	As	55.157	He	55.157	72	2.4	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	955992.84	1.7	67.5	1415387.05
Sc	45	No Gas	4997002.83	6.8	122.6	4074689.16666667
Sc	45	He	279150.96	3.5	79.5	351335.833333333
Ge	72	No Gas	1669368.67	1.1	89.2	1872286.24666667
Ge	72	He	336006.84	3.2	73.7	455619.516666667
Ge	72	HEHe	196885.87	2.4	82.7	238002.75
Rh	103	No Gas	4486970.67	1.7	83.5	5374880.83333333
Rh	103	He	2357694.21	3.4	72.4	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-03
File Name	045_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:41:05
Sample Type	AllRef
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	8.217	No Gas	8.217	6	0.8	100	
75	As	2.183	He	2.183	72	1.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1022431.55	1.0	72.2	1415387.05
Sc	45	No Gas	4782762.00	5.5	117.4	4074689.16666667
Sc	45	He	334651.24	2.7	95.3	351335.833333333
Ge	72	No Gas	1637666.50	1.7	87.5	1872286.24666667
Ge	72	He	388333.70	3.7	85.2	455619.516666667
Ge	72	HEHe	209412.82	0.9	88.0	238002.75
Rh	103	No Gas	4490504.33	1.9	83.5	5374880.83333333
Rh	103	He	2712063.85	4.6	83.3	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-02
File Name	044SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:38:44
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	2.104	No Gas	2.104	6	0.6	100	
75	As	0.976	He	0.976	72	3.1	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1170447.67	1.5	82.7	1415387.05
Sc	45	No Gas	5705573.50	3.1	140.0	4074689.16666667
Sc	45	He	435113.33	2.5	123.8	351335.833333333
Ge	72	No Gas	1765583.63	3.8	94.3	1872286.24666667
Ge	72	He	434761.67	4.7	95.4	455619.516666667
Ge	72	HEHe	228718.48	1.5	96.1	238002.75
Rh	103	No Gas	5104591.00	2.7	95.0	5374880.83333333
Rh	103	He	3161086.40	6.6	97.1	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WED0874-01
File Name	043SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:36:26
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.188	No Gas	1.188	6	1.2	100	
75	As	0.343	He	0.343	72	1.7	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1160041.97	1.6	82.0	1415387.05
Sc	45	No Gas	5051775.83	6.4	124.0	4074689.16666667
Sc	45	He	348674.96	3.6	99.2	351335.833333333
Ge	72	No Gas	1745104.67	1.2	93.2	1872286.24666667
Ge	72	He	410162.60	4.6	90.0	455619.516666667
Ge	72	HEHe	227911.24	2.1	95.8	238002.75
Rh	103	No Gas	4911556.00	1.2	91.4	5374880.83333333
Rh	103	He	2895495.51	5.4	88.9	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-BS1
File Name	042_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:34:07
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.277	No Gas	49.277	6	2.1	50	
75	As	52.228	He	52.228	72	2.3	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1219764.79	4.3	86.2	1415387.05
Sc	45	No Gas	5054474.33	5.5	124.0	4074689.16666667
Sc	45	He	357526.84	4.6	101.8	351335.833333333
Ge	72	No Gas	1781221.17	1.0	95.1	1872286.24666667
Ge	72	He	418852.76	5.6	91.9	455619.516666667
Ge	72	HEHe	231056.66	0.7	97.1	238002.75
Rh	103	No Gas	5232016.00	2.6	97.3	5374880.83333333
Rh	103	He	3110804.32	7.2	95.5	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-MRL1
File Name	041LICV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:31:46
Sample Type	LLICV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.742	No Gas	0.742	6	0.6	1	
75	As	<0.000	No Gas	-1.169	72	1.9	1	> +/- 50%
75	As	0.941	He	0.941	72	4.3	1	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1337230.79	2.0	94.5	1415387.05
Sc	45	No Gas	3849341.08	0.4	94.5	4074689.16666667
Sc	45	He	345027.16	5.7	98.2	351335.833333333
Ge	72	No Gas	1815247.25	0.9	97.0	1872286.24666667
Ge	72	He	455100.23	6.0	99.9	455619.516666667
Ge	72	HEHe	232041.08	1.2	97.5	238002.75
Rh	103	No Gas	5336691.83	2.1	99.3	5374880.83333333
Rh	103	He	3340424.94	8.3	102.6	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BED0876-BLK1
File Name	040_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:29:27
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.078	No Gas	0.078	6	0.7	0.5	
75	As	0.023	He	0.023	72	7.5	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1269277.53	2.8	89.7	1415387.05
Sc	45	No Gas	4728671.67	4.2	116.0	4074689.16666667
Sc	45	He	351039.81	3.3	99.9	351335.833333333
Ge	72	No Gas	1851617.21	1.9	98.9	1872286.24666667
Ge	72	He	435415.09	4.6	95.6	455619.516666667
Ge	72	HEHe	237323.59	2.5	99.7	238002.75
Rh	103	No Gas	5334556.50	1.9	99.2	5374880.83333333
Rh	103	He	3208002.51	3.4	98.5	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-BS1
File Name	039_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:27:08
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.022	No Gas	49.022	6	1.6	50	
75	As	50.624	He	50.624	72	2.8	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1184355.44	4.1	83.7	1415387.05
Sc	45	No Gas	4806421.83	4.1	118.0	4074689.16666667
Sc	45	He	336154.89	4.0	95.7	351335.833333333
Ge	72	No Gas	1762941.21	0.7	94.2	1872286.24666667
Ge	72	He	414375.42	5.0	90.9	455619.516666667
Ge	72	HEHe	227237.00	0.9	95.5	238002.75
Rh	103	No Gas	5224902.17	1.1	97.2	5374880.83333333
Rh	103	He	3160079.39	5.2	97.0	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-BLK1
File Name	038_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:24:48
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.032	6	2.3	0.5	
75	As	0.066	He	0.066	72	2.8	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1228117.53	2.1	86.8	1415387.05
Sc	45	No Gas	4668180.50	3.4	114.6	4074689.16666667
Sc	45	He	327943.20	3.6	93.3	351335.833333333
Ge	72	No Gas	1775411.42	3.3	94.8	1872286.24666667
Ge	72	He	411384.37	4.9	90.3	455619.516666667
Ge	72	HEHe	229035.92	1.1	96.2	238002.75
Rh	103	No Gas	5252826.17	1.2	97.7	5374880.83333333
Rh	103	He	3118403.07	5.3	95.8	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-MSD2
File Name	037LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:22:30
Sample Type	LFMDup
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	44.885	No Gas	44.885	6	2.0	20	
75	As	50.596	No Gas	50.596	72	3.4	20	
75	As	48.938	He	48.938	72	1.3	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1209816.42	1.8	85.5	1415387.05
Sc	45	No Gas	4904218.17	6.3	120.4	4074689.16666667
Sc	45	He	330214.26	1.8	94.0	351335.833333333
Ge	72	No Gas	1796858.71	0.6	96.0	1872286.24666667
Ge	72	He	405723.85	4.3	89.0	455619.516666667
Ge	72	HEHe	230786.84	0.8	97.0	238002.75
Rh	103	No Gas	5266336.00	1.6	98.0	5374880.83333333
Rh	103	He	3010716.06	5.8	92.4	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-MS2
File Name	036_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:20:11
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.269	No Gas	49.269	6	2.5	100	
75	As	54.458	No Gas	54.458	72	3.1	100	
75	As	53.052	He	53.052	72	2.2	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1193834.24	1.7	84.3	1415387.05
Sc	45	No Gas	4989991.67	5.4	122.5	4074689.16666667
Sc	45	He	330889.49	1.2	94.2	351335.833333333
Ge	72	No Gas	1806939.83	0.3	96.5	1872286.24666667
Ge	72	He	404206.42	2.8	88.7	455619.516666667
Ge	72	HEHe	226789.80	0.2	95.3	238002.75
Rh	103	No Gas	5165986.67	0.6	96.1	5374880.83333333
Rh	103	He	3028132.45	1.2	93.0	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-13
File Name	035_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:17:51
Sample Type	AllRef
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.177	No Gas	0.177	6	1.9	100	
75	As	0.190	He	0.19	72	8.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1222825.55	2.9	86.4	1415387.05
Sc	45	No Gas	5274289.00	5.2	129.4	4074689.16666667
Sc	45	He	346816.36	1.9	98.7	351335.833333333
Ge	72	No Gas	1781239.25	2.2	95.1	1872286.24666667
Ge	72	He	402878.08	2.8	88.4	455619.516666667
Ge	72	HEHe	225110.51	1.0	94.6	238002.75
Rh	103	No Gas	5038384.67	3.3	93.7	5374880.83333333
Rh	103	He	2988777.73	2.6	91.8	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	034_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:15:32
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	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	No Gas	1382443.82	2.2	97.7	1415387.05
Sc	45	No Gas	4086856.50	0.4	100.3	4074689.16666667
Sc	45	He	361917.09	8.8	103.0	351335.833333333
Ge	72	No Gas	1891163.50	3.5	101.0	1872286.24666667
Ge	72	He	462925.11	7.8	101.6	455619.516666667
Ge	72	HEHe	210370.25	3.1	88.4	238002.75
Rh	103	No Gas	5392642.17	2.2	100.3	5374880.83333333
Rh	103	He	3391536.67	10.5	104.1	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	033_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:13:14
Sample Type	CalBlk
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	033_CCB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.007	No Gas	0.007	6	1.7	1000	
75	As	0.002	He	0.002	72	3.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1415387.05	2.4	100.0	1415387.05
Sc	45	No Gas	4074689.17	1.5	100.0	4074689.16666667
Sc	45	He	351335.83	3.0	100.0	351335.833333333
Ge	72	No Gas	1872286.25	3.7	100.0	1872286.24666667
Ge	72	He	455619.52	3.3	100.0	455619.516666667
Ge	72	HEHe	238002.75	1.4	100.0	238002.75
Rh	103	No Gas	5374880.83	1.0	100.0	5374880.83333333
Rh	103	He	3256596.81	2.7	100.0	3256596.81333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	032_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:10:54
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.043	No Gas	49.043	6	4.0	50	
75	As	47.737	No Gas	47.737	72	4.2	50	
75	As	51.304	He	51.304	72	1.8	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1414179.63	4.9	84.7	1669215.15333333
Sc	45	No Gas	3973881.25	1.8	86.7	4584728
Sc	45	He	340973.44	3.5	79.1	431066.243333333
Ge	72	No Gas	1871652.75	2.2	90.1	2077745.96
Ge	72	He	452222.41	3.6	84.2	537163.92
Ge	72	HEHe	241123.63	0.6	87.1	276851.57
Rh	103	No Gas	5382088.00	3.5	89.4	6019968.5
Rh	103	He	3246863.07	3.9	88.2	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	031_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:08:35
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	47.808	No Gas	47.808	6	3.1	50	
75	As	46.422	No Gas	46.422	72	3.9	50	
75	As	49.975	He	49.975	72	2.1	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1400915.10	1.4	83.9	1669215.15333333
Sc	45	No Gas	4183014.25	1.6	91.2	4584728
Sc	45	He	343539.97	5.4	79.7	431066.243333333
Ge	72	No Gas	1911823.50	1.1	92.0	2077745.96
Ge	72	He	453718.93	5.2	84.5	537163.92
Ge	72	HEHe	243449.02	1.0	87.9	276851.57
Rh	103	No Gas	5657906.83	1.9	94.0	6019968.5
Rh	103	He	3248746.40	4.4	88.2	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	030_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:06:18
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	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	No Gas	1312260.30	2.0	78.6	1669215.15333333
Sc	45	No Gas	4053775.92	1.5	88.4	4584728
Sc	45	He	333697.10	9.8	77.4	431066.243333333
Ge	72	No Gas	1846757.63	0.9	88.9	2077745.96
Ge	72	He	450901.14	9.0	83.9	537163.92
Ge	72	HEHe	241983.27	0.5	87.4	276851.57
Rh	103	No Gas	5544728.33	0.6	92.1	6019968.5
Rh	103	He	3347305.70	10.2	90.9	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-12
File Name	029SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:03:58
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.024	6	2.0	100	
75	As	0.144	He	0.144	72	3.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1251729.50	1.3	75.0	1669215.15333333
Sc	45	No Gas	5115840.83	7.4	111.6	4584728
Sc	45	He	302436.95	2.0	70.2	431066.243333333
Ge	72	No Gas	1933460.83	1.6	93.1	2077745.96
Ge	72	He	382821.22	3.2	71.3	537163.92
Ge	72	HEHe	225175.49	1.6	81.3	276851.57
Rh	103	No Gas	5375943.83	2.7	89.3	6019968.5
Rh	103	He	2898507.04	3.9	78.7	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-11
File Name	028SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 20:01:39
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.441	No Gas	1.441	6	1.4	100	
75	As	5.097	He	5.097	72	2.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1219820.22	1.9	73.1	1669215.15333333
Sc	45	No Gas	5307249.17	8.2	115.8	4584728
Sc	45	He	298788.69	3.2	69.3	431066.243333333
Ge	72	No Gas	1907108.75	1.6	91.8	2077745.96
Ge	72	He	380733.34	3.0	70.9	537163.92
Ge	72	HEHe	224639.51	2.5	81.1	276851.57
Rh	103	No Gas	5178060.67	3.0	86.0	6019968.5
Rh	103	He	2748136.77	2.6	74.6	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-10
File Name	027SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:59:20
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.520	No Gas	0.52	6	1.3	100	
75	As	0.404	He	0.404	72	2.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1237414.79	2.2	74.1	1669215.15333333
Sc	45	No Gas	5542973.50	6.9	120.9	4584728
Sc	45	He	283757.38	1.9	65.8	431066.243333333
Ge	72	No Gas	1946347.29	2.7	93.7	2077745.96
Ge	72	He	366337.55	3.4	68.2	537163.92
Ge	72	HEHe	220011.27	2.4	79.5	276851.57
Rh	103	No Gas	5282559.17	2.1	87.8	6019968.5
Rh	103	He	2715625.45	4.4	73.7	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-09
File Name	026SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:56:59
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	2.009	No Gas	2.009	6	0.6	100	
75	As	1.396	He	1.396	72	3.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1157921.98	2.7	69.4	1669215.15333333
Sc	45	No Gas	5552257.67	4.0	121.1	4584728
Sc	45	He	259601.07	3.7	60.2	431066.243333333
Ge	72	No Gas	1926691.79	3.1	92.7	2077745.96
Ge	72	He	356872.36	4.8	66.4	537163.92
Ge	72	HEHe	216845.39	1.2	78.3	276851.57
Rh	103	No Gas	5160075.50	1.5	85.7	6019968.5
Rh	103	He	2611826.35	5.8	70.9	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-08
File Name	025SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:54:41
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.144	No Gas	1.144	6	2.8	100	
75	As	1.473	He	1.473	72	2.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1147940.88	3.0	68.8	1669215.15333333
Sc	45	No Gas	5488328.83	7.4	119.7	4584728
Sc	45	He	263779.19	1.6	61.2	431066.243333333
Ge	72	No Gas	1925524.42	2.3	92.7	2077745.96
Ge	72	He	346941.41	2.3	64.6	537163.92
Ge	72	HEHe	211442.90	0.6	76.4	276851.57
Rh	103	No Gas	5096740.50	1.1	84.7	6019968.5
Rh	103	He	2593887.75	2.7	70.4	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-07
File Name	024SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:52:22
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	1.326	No Gas	1.326	6	1.0	100	
75	As	1.101	He	1.101	72	3.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1293658.16	4.0	77.5	1669215.15333333
Sc	45	No Gas	5815697.67	7.3	126.8	4584728
Sc	45	He	294209.08	2.7	68.3	431066.243333333
Ge	72	No Gas	2007594.29	1.5	96.6	2077745.96
Ge	72	He	381837.47	1.6	71.1	537163.92
Ge	72	HEHe	234927.19	1.0	84.9	276851.57
Rh	103	No Gas	5224706.33	0.2	86.8	6019968.5
Rh	103	He	2742356.14	2.7	74.5	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-06
File Name	023SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:50:02
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	22.924	No Gas	22.924	6	0.5	100	
75	As	32.010	He	32.01	72	3.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	956756.91	2.3	57.3	1669215.15333333
Sc	45	No Gas	4974290.50	6.5	108.5	4584728
Sc	45	He	280256.65	2.8	65.0	431066.243333333
Ge	72	No Gas	1648483.21	1.2	79.3	2077745.96
Ge	72	He	355384.38	3.4	66.2	537163.92
Ge	72	HEHe	218265.69	1.8	78.8	276851.57
Rh	103	No Gas	4084715.25	1.8	67.9	6019968.5
Rh	103	He	2505472.54	3.5	68.0	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-03
File Name	022SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:47:42
Sample Type	Sample
Total Dilution	1.0000
Comment	FLAG AND REPORT
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	78.264	No Gas	78.264	6	1.1	100	
75	As	1.065	He	1.065	72	5.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	729133.95	1.7	43.7	1669215.15333333
Sc	45	No Gas	3801595.50	4.1	82.9	4584728
Sc	45	He	236227.14	15.8	54.8	431066.243333333
Ge	72	No Gas	1266593.87	2.5	61.0	2077745.96
Ge	72	He	284448.98	14.4	53.0	537163.92
Ge	72	HEHe	157620.06	1.2	56.9	276851.57
Rh	103	No Gas	3090805.50	1.1	51.3	6019968.5
Rh	103	He	1985329.95	16.3	53.9	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-02
File Name	021SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:45:24
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.261	No Gas	0.261	6	2.3	100	
75	As	0.143	He	0.143	72	9.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1161986.29	2.4	69.6	1669215.15333333
Sc	45	No Gas	5002472.33	5.0	109.1	4584728
Sc	45	He	327676.19	1.9	76.0	431066.243333333
Ge	72	No Gas	1822269.66	0.4	87.7	2077745.96
Ge	72	He	412756.92	3.6	76.8	537163.92
Ge	72	HEHe	240175.84	1.3	86.8	276851.57
Rh	103	No Gas	5107061.83	1.2	84.8	6019968.5
Rh	103	He	3063701.75	3.1	83.2	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-MSD1
File Name	020LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:43:03
Sample Type	LFMDup
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	53.605	No Gas	53.605	6	1.4	20	
75	As	67.559	No Gas	67.559	72	4.4	20	
75	As	52.547	He	52.547	72	1.7	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1113749.85	1.4	66.7	1669215.15333333
Sc	45	No Gas	5199028.17	8.5	113.4	4584728
Sc	45	He	312905.87	3.6	72.6	431066.243333333
Ge	72	No Gas	1774053.96	1.5	85.4	2077745.96
Ge	72	He	386188.40	3.6	71.9	537163.92
Ge	72	HEHe	220568.86	2.3	79.7	276851.57
Rh	103	No Gas	4759097.33	1.0	79.1	6019968.5
Rh	103	He	2727475.73	3.8	74.1	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-MS1
File Name	019_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:40:44
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	52.038	No Gas	52.038	6	2.1	100	
75	As	65.514	No Gas	65.514	72	4.4	100	
75	As	49.996	He	49.996	72	3.8	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1208815.78	4.0	72.4	1669215.15333333
Sc	45	No Gas	5410217.33	4.8	118.0	4584728
Sc	45	He	357942.84	4.3	83.0	431066.243333333
Ge	72	No Gas	1897009.46	2.2	91.3	2077745.96
Ge	72	He	441939.69	6.6	82.3	537163.92
Ge	72	HEHe	239342.96	1.2	86.5	276851.57
Rh	103	No Gas	5070364.17	2.6	84.2	6019968.5
Rh	103	He	3093826.20	6.8	84.0	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WEC0864-01
File Name	018_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:38:26
Sample Type	AllRef
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	5.474	No Gas	5.474	6	0.7	100	
75	As	0.872	He	0.872	72	4.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1360758.42	2.3	81.5	1669215.15333333
Sc	45	No Gas	5122426.50	8.5	111.7	4584728
Sc	45	He	404081.32	3.1	93.7	431066.243333333
Ge	72	No Gas	1836757.92	0.3	88.4	2077745.96
Ge	72	He	467935.00	3.9	87.1	537163.92
Ge	72	HEHe	257200.24	0.3	92.9	276851.57
Rh	103	No Gas	4997407.50	1.1	83.0	6019968.5
Rh	103	He	3186856.68	5.8	86.5	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-BS1
File Name	017_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:36:05
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	48.793	No Gas	48.793	6	1.3	50	
75	As	51.738	He	51.738	72	1.1	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1400782.05	3.5	83.9	1669215.15333333
Sc	45	No Gas	5501532.50	6.1	120.0	4584728
Sc	45	He	418112.55	2.2	97.0	431066.243333333
Ge	72	No Gas	1934456.25	1.6	93.1	2077745.96
Ge	72	He	481500.62	3.4	89.6	537163.92
Ge	72	HEHe	262780.07	2.4	94.9	276851.57
Rh	103	No Gas	5659659.67	0.8	94.0	6019968.5
Rh	103	He	3560125.21	3.4	96.7	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-MRL1
File Name	016LICV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:33:47
Sample Type	LLICV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.955	No Gas	0.955	6	1.8	1	
75	As	<0.000	No Gas	-0.651	72	1.9	1	> +/- 50%
75	As	0.919	He	0.919	72	1.9	1	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1542355.52	4.1	92.4	1669215.15333333
Sc	45	No Gas	4369467.17	1.2	95.3	4584728
Sc	45	He	418994.64	3.2	97.2	431066.243333333
Ge	72	No Gas	2062244.21	3.1	99.3	2077745.96
Ge	72	He	543976.01	3.6	101.3	537163.92
Ge	72	HEHe	280359.29	2.0	101.3	276851.57
Rh	103	No Gas	5995652.67	2.4	99.6	6019968.5
Rh	103	He	3896929.43	3.4	105.8	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BEC0901-BLK1
File Name	015_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\04222024 high matrix RERUN.b
Acq Time	2024-04-22 19:31:28
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**JLG**

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.046	6	1.9	0.5	
75	As	0.081	He	0.081	72	12.4	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1489361.28	1.0	89.2	1669215.15333333
Sc	45	No Gas	5579917.00	4.5	121.7	4584728
Sc	45	He	432755.18	2.2	100.4	431066.243333333
Ge	72	No Gas	1988517.96	0.4	95.7	2077745.96
Ge	72	He	499283.71	4.7	92.9	537163.92
Ge	72	HEHe	267368.15	1.5	96.6	276851.57
Rh	103	No Gas	5728989.67	0.8	95.2	6019968.5
Rh	103	He	3616066.38	4.6	98.2	3683177.49333333
Ho	165	No Gas				0
Ho	165	He				0

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
1			001CALB.	2024-04-22 18:59:06	CalBlk	1	Blank		1.0000	1101
2			002CALB.	2024-04-22 19:01:24	CalBlk	1	Blank		1.0000	1101
3			003CALB.	2024-04-22 19:03:44	CalBlk	1	Blank		1.0000	1101
4			004CALS.	2024-04-22 19:06:02	CalStd	2	1 ppb cal		1.0000	1103
5			005CALS.	2024-04-22 19:08:20	CalStd	3	5 ppb cal		1.0000	1104
6			006CALS.	2024-04-22 19:10:40	CalStd	4	25 ppb cal		1.0000	1105
7			007CALS.	2024-04-22 19:12:58	CalStd	5	50 ppb cal		1.0000	1106
8			008CALS.	2024-04-22 19:15:16	CalStd	6	100 ppb cal		1.0000	1107
9			009_ICV.d	2024-04-22 19:17:36	ICV		ICV- 40ppb		1.0000	2201
10			010_ICV.d	2024-04-22 19:19:54	ICV		ICV- 40ppb		1.0000	2101
11			011_LDR.d	2024-04-22 19:22:12	LDR		Daily LDR- 500pp		1.0000	2102
12			012_RIN.d	2024-04-22 19:24:32	RINSE		Rinse		1.0000	4
13			013_RIN.d	2024-04-22 19:26:49	RINSE		Rinse		1.0000	4
14			014_RIN.d	2024-04-22 19:29:07	RINSE		Rinse		1.0000	4
15			015_Blk.d	2024-04-22 19:31:28	Blank		BEC0901-BLK1		1.0000	3101
16			016LICV.d	2024-04-22 19:33:47	LLICV		BEC0901-MRL1		1.0000	3102
17			017_LCS.d	2024-04-22 19:36:05	LCS		BEC0901-BS1		1.0000	3103
18			018_ARF.d	2024-04-22 19:38:26	AllRef		WEC0864-01		1.0000	3104
19			019_LFM.d	2024-04-22 19:40:44	LFM		BEC0901-MS1		1.0000	3105
20			020LFMD.	2024-04-22 19:43:03	LFMDup		BEC0901-MSD1		1.0000	3106
21			021SMPL.	2024-04-22 19:45:24	Sample		WEC0864-02		1.0000	3107
22			022SMPL.	2024-04-22 19:47:42	Sample		WEC0864-03	FLAG AND REPOR	1.0000	3108
23			023SMPL.	2024-04-22 19:50:02	Sample		WEC0864-06		1.0000	3111
24			024SMPL.	2024-04-22 19:52:22	Sample		WEC0864-07		1.0000	3112
25			025SMPL.	2024-04-22 19:54:41	Sample		WEC0864-08		1.0000	3201

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
26			026SMPL.	2024-04-22 19:56:59	Sample		WEC0864-09		1.0000	3202
27			027SMPL.	2024-04-22 19:59:20	Sample		WEC0864-10		1.0000	3203
28			028SMPL.	2024-04-22 20:01:39	Sample		WEC0864-11		1.0000	3204
29			029SMPL.	2024-04-22 20:03:58	Sample		WEC0864-12		1.0000	3205
30			030_RIN.d	2024-04-22 20:06:18	RINSE		Rinse		1.0000	4
31			031_CCV.	2024-04-22 20:08:35	CCV		CCV		1.0000	1106
32			032_CCV.	2024-04-22 20:10:54	CCV		CCV		1.0000	1307
33			033_CCB.	2024-04-22 20:13:14	CalBlk		CCB		1.0000	1101
34			034_RIN.d	2024-04-22 20:15:32	RINSE		Rinse		1.0000	5
35			035_ARF.d	2024-04-22 20:17:51	AllRef		WEC0864-13		1.0000	3206
36			036_LFM.d	2024-04-22 20:20:11	LFM		BEC0901-MS2		1.0000	3207
37			037LFMD.	2024-04-22 20:22:30	LFMDup		BEC0901-MSD2		1.0000	3208
38			038_Blk.d	2024-04-22 20:24:48	Blank		BEC0901-BLK1		1.0000	3209
39			039_LCS.d	2024-04-22 20:27:08	LCS		BEC0901-BS1		1.0000	3210
40			040_Blk.d	2024-04-22 20:29:27	Blank		BED0876-BLK1		1.0000	3301
41			041LICV.d	2024-04-22 20:31:46	LLICV		BED0876-MRL1		1.0000	3302
42			042_LCS.d	2024-04-22 20:34:07	LCS		BED0876-BS1		1.0000	3303
43			043SMPL.	2024-04-22 20:36:26	Sample		WED0874-01		1.0000	3304
44			044SMPL.	2024-04-22 20:38:44	Sample		WED0874-02		1.0000	3305
45			045_ARF.d	2024-04-22 20:41:05	AllRef		WED0874-03		1.0000	3306
46			046_LFM.d	2024-04-22 20:43:23	LFM		BED0876-MS1		1.0000	3307
47			047LFMD.	2024-04-22 20:45:42	LFMDup		BED0876-MSD1		1.0000	3308
48			048SMPL.	2024-04-22 20:48:03	Sample		WED0874-07		1.0000	3311
49			049SMPL.	2024-04-22 20:50:22	Sample		WED0874-08		1.0000	3312
50			050SMPL.	2024-04-22 20:52:41	Sample		WED0874-09		1.0000	3401

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
51			051SMPL.	2024-04-22 20:55:01	Sample		WED0874-10		1.0000	3402
52			052SMPL.	2024-04-22 20:57:20	Sample		WED0874-11		1.0000	3403
53			053_RIN.d	2024-04-22 20:59:38	RINSE		Rinse		1.0000	4
54			054_CCV.	2024-04-22 21:01:58	CCV		CCV		1.0000	1307
55			055_CCB.	2024-04-22 21:04:16	CCB		CCB		1.0000	1101
56			056CALB.	2024-04-22 21:06:34	CalBlk		CCB		1.0000	1101
57			057_RIN.d	2024-04-22 21:08:54	RINSE		Rinse		1.0000	5
58			058_ARF.d	2024-04-22 21:11:12	AllRef		WED0874-12		1.0000	3404
59			059_LFM.d	2024-04-22 21:13:31	LFM		BED0876-MS2		1.0000	3405
60			060LFMD.	2024-04-22 21:15:52	LFMDup		BED0876-MSD2		1.0000	3406
61			061SMPL.	2024-04-22 21:18:11	Sample		WED0874-13		1.0000	3407
62			062SMPL.	2024-04-22 21:20:30	Sample		WED0874-04		1.0000	3501
63			063SMPL.	2024-04-22 21:22:51	Sample		WED0874-06		1.0000	3502
64			064SMPL.	2024-04-22 21:25:09	Sample		WEC0864-04	FLAG AND REPOR	1.0000	3503
65			065SMPL.	2024-04-22 21:27:28	Sample		WEC0864-05	FLAG AND REPOR	1.0000	3504
66			066_Blk.d	2024-04-22 21:29:48	Blank		BED0876-BLK1		1.0000	3408
67			067_LCS.d	2024-04-22 21:32:07	LCS		BED0876-BS1		1.0000	3409
68			068_RIN.d	2024-04-22 21:34:24	RINSE		Rinse		1.0000	4
69			069_CCV.	2024-04-22 21:36:45	CCV		CCV		1.0000	1106
70			070_CCV.	2024-04-22 21:39:03	CCV		CCV		1.0000	1307
71		☑	071_CCB.	2024-04-22 21:41:21	CalBlk		CCB		1.0000	1101
72			072_RIN.d	2024-04-22 21:43:41	RINSE		Rinse		1.0000	5
73			073_RIN.d	2024-04-22 21:45:59	RINSE		Rinse		1.0000	4
74			074_CCV.	2024-04-22 21:48:17	CCV		CCV		1.0000	1106
75			075_CCB.	2024-04-22 21:50:37	CCB		CCB		1.0000	1101

	Sample									
	■	Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
76			076_RIN.d	2024-04-22 21:52:55	RINSE		Rinse		1.0000	5
77			077_RIN.d	2024-04-22 21:55:13	RINSE		Rinse		1.0000	5
78			078_RIN.d	2024-04-22 21:57:33	RINSE		Rinse		1.0000	5