

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

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

Work Order: WBB0617
Project: ADC Water Quality Monitoring
Reported: 5/6/2021 17:21

Case Narrative

<u>Laboratory ID</u>	<u>Sample Name</u>
WBB0617-01	DW-1/WW-1
WBB0617-02	DW-2
WBB0617-03	DW-3
WBB0617-04	WW-2
WBB0617-05	WW-3
WBB0617-06	WW-6
WBB0617-07	E-1
WBB0617-08	E-2
WBB0617-09	D-8 DUP
WBB0617-10	D-8 BLANK
WBB0617-11	I-1
WBB0617-12	W-1
WBB0617-13	W-2
WBB0617-14	U-1/WW-7
WBB0617-15	U-2/WW-5 WET
WBB0617-16	U-3/WW-4
WBB0617-17	D-2
WBB0617-18	D-3
WBB0617-19	D-4
WBB0617-20	D-5
WBB0617-21	D-6
WBB0617-22	D-7
WBB0617-23	D-8
WBB0617-24	WW-3
WBB0617-25	E-1
WBB0617-26	E-2

QA/QC Checks

<u>Parameters</u>	<u>Yes / No</u>	<u>Exceptions / Deviations</u>
Sample Holding Time Valid?	N	See Comments
Surrogate Recoveries Valid?	Y	NA
QC Sample(s) Recoveries Valid?	Y	See Comments
Method Blank(s) Valid?	Y	NA
Comments	N	See Comments Section

1. Holding Time Requirements

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All TSS samples were received out of holding time. EPA Method 625 and 8270 were received within holding time. Samples were extracted out of holding time but were analyzed within holding time.

2. Calibration Requirements

No problems encountered.

3. Surrogate Recovery Requirements

No problems encountered.

4. QC Sample (LCS/MS/MSD) Recovery Requirements

Matrix spike was low on samples D-6, D-7, D-8 for HCID. It was a matrix effect.

5. Method Blank Requirements

The method blanks were non-detect for all analytes. No problems encountered.

6. Internal Standard(s) Response Requirements

No problems encountered

7. Comments

I certify that this data package is in compliance with the terms and conditions of the contract.

Release of the data contained in this data package has been authorized by the Laboratory Manager or his or her designee.

Kathleen A. Sattler, Lab Manager

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Analytical Results Report

Sample Location: DW-1/WW-1
Lab/Sample Number: WBB0617-01 Collect Date: 02/16/21 13:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	146	mg/L	2.00	2.00	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00217	mg/L	0.0000600	0.00100	3/1/21 12:19	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:05	TRC	EPA 245.1	
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/3/21 18:49	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/3/21 18:49	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/3/21 18:49	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/3/21 18:49	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	93.2%		50-150		3/3/21 18:49	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: DW-2
Lab/Sample Number: WBB0617-02 Collect Date: 02/16/21 11:55
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	13.0	mg/L	0.250	0.250	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00127	mg/L	0.0000600	0.00100	3/1/21 12:21	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:07	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.455	mg/L	0.0520	0.0800	3/3/21 19:44	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/3/21 19:44	ARC	NWTPH-HCID	
Lube Oil	0.806	mg/L	0.0460	0.0800	3/3/21 19:44	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/3/21 19:44	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	82.3%		50-150		3/3/21 19:44	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: DW-3
Lab/Sample Number: WBB0617-03 Collect Date: 02/16/21 12:20
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	14.0	mg/L	0.250	0.250	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00103	mg/L	0.0000600	0.00100	3/1/21 12:24	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:10	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.386	mg/L	0.0520	0.0800	3/3/21 21:35	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/3/21 21:35	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/3/21 21:35	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/3/21 21:35	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	84.7%		50-150		3/3/21 21:35	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: WW-2
Lab/Sample Number: WBB0617-04 Collect Date: 02/16/21 11:40
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	43.0	mg/L	0.500	0.500	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00267	mg/L	0.0000600	0.00100	3/1/21 12:26	TRC	EPA 200.8	
Mercury								
Mercury	0.0276	ug/L	0.00600	0.100	3/4/21 10:12	TRC	EPA 245.1	J
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 0:20	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 0:20	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 0:20	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 0:20	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	98.6%		50-150		3/4/21 0:20	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: WW-3
Lab/Sample Number: WBB0617-05 Collect Date: 02/16/21 12:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	10.5	mg/L	0.250	0.250	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00169	mg/L	0.0000600	0.00100	3/1/21 12:28	TRC	EPA 200.8	
Mercury								
Mercury	0.00660	ug/L	0.00600	0.100	3/4/21 10:14	TRC	EPA 245.1	J
Semivolatiles								
AMPA	<2	ug/L	2.00	10.0	3/2/21 10:51	MER	EPA 547	*
Glyphosate	<1	ug/L	1.00	5.00	3/2/21 10:51	MER	EPA 547	*
Atrazine	<0.200	ug/L	0.200	0.400	3/3/21 17:17	TGT	EPA 625.1	* H4
Chlorpyrifos	<0.200	ug/L	0.200	0.400	3/3/21 17:17	TGT	EPA 625.1	* H4
Metolachlor	<0.2	ug/L	0.200	0.400	3/3/21 17:17	TGT	EPA 625.1	*
Surrogate: Terphenyl-d14	89.3%		25-135		3/3/21 17:17	TGT	EPA 625.1	
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 1:15	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 1:15	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 1:15	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 1:15	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	91.9%		50-150		3/4/21 1:15	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: WW-6
Lab/Sample Number: WBB0617-06 Collect Date: 02/16/21 12:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	2360	mg/L	10.0	10.0	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.000805	mg/L	0.0000600	0.00100	3/1/21 12:31	TRC	EPA 200.8	J
Mercury								
Mercury	0.132	ug/L	0.00600	0.100	3/4/21 10:16	TRC	EPA 245.1	
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 2:10	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 2:10	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 2:10	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 2:10	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	96.6%		50-150		3/4/21 2:10	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: E-1
Lab/Sample Number: WBB0617-07 Collect Date: 02/16/21 11:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	56.0	mg/L	0.500	0.500	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.000873	mg/L	0.0000600	0.00100	3/1/21 12:33	TRC	EPA 200.8	J
Mercury								
Mercury	0.00900	ug/L	0.00600	0.100	3/4/21 10:19	TRC	EPA 245.1	J

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Analytical Results Report

(Continued)

Sample Location: E-2
Lab/Sample Number: WBB0617-08 Collect Date: 02/16/21 12:45
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	22.5	mg/L	0.250	0.250	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.0124	mg/L	0.0000600	0.00100	3/1/21 12:40	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:26	TRC	EPA 245.1	
Semivolatiles								
AMPA	<2	ug/L	2.00	10.0	3/2/21 10:58	MER	EPA 547	*
Glyphosate	<1	ug/L	1.00	5.00	3/2/21 10:58	MER	EPA 547	*
Atrazine	<0.0936	ug/L	0.0936	0.187	3/3/21 17:44	TGT	EPA 625.1	* H4
Chlorpyrifos	<0.0936	ug/L	0.0936	0.187	3/3/21 17:44	TGT	EPA 625.1	* H4
Metolachlor	<0.0936	ug/L	0.0936	0.187	3/3/21 17:44	TGT	EPA 625.1	*
Surrogate: Terphenyl-d14	96.2%		25-135		3/3/21 17:44	TGT	EPA 625.1	
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 3:04	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 3:04	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 3:04	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 3:04	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	97.6%		50-150		3/4/21 3:04	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-8 DUP
Lab/Sample Number: WBB0617-09 Collect Date: 02/16/21 13:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	6.86	mg/L	0.143	0.143	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00310	mg/L	0.0000600	0.00100	3/1/21 12:42	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:28	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.550	mg/L	0.0520	0.0800	3/4/21 4:00	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 4:00	ARC	NWTPH-HCID	
Lube Oil	1.09	mg/L	0.0460	0.0800	3/4/21 4:00	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 4:00	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	95.3%		50-150		3/4/21 4:00	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-8 BLANK
Lab/Sample Number: WBB0617-10 Collect Date: 02/16/21 13:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	<0.1	mg/L	0.100	0.100	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	<0.00006	mg/L	0.0000600	0.00100	3/1/21 12:44	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:30	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.511	mg/L	0.0520	0.0800	3/4/21 4:55	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 4:55	ARC	NWTPH-HCID	
Lube Oil	0.885	mg/L	0.0460	0.0800	3/4/21 4:55	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 4:55	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	95.6%		50-150		3/4/21 4:55	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: I-1
Lab/Sample Number: WBB0617-11 Collect Date: 02/16/21 13:05
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	2290	mg/L	10.0	10.0	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00175	mg/L	0.0000600	0.00100	3/1/21 13:01	TRC	EPA 200.8	
Mercury								
Mercury	0.156	ug/L	0.00600	0.100	3/4/21 10:41	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.405	mg/L	0.0520	0.0800	3/4/21 5:49	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 5:49	ARC	NWTPH-HCID	
Lube Oil	0.822	mg/L	0.0460	0.0800	3/4/21 5:49	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 5:49	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	87.2%		50-150		3/4/21 5:49	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: W-1
Lab/Sample Number: WBB0617-12 Collect Date: 02/16/21 11:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	0.200	mg/L	0.100	0.100	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	<0.00006	mg/L	0.0000600	0.00100	3/1/21 13:04	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:44	TRC	EPA 245.1	
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 12:21	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 12:21	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 12:21	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 12:21	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	96.3%		50-150		3/4/21 12:21	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: W-2
Lab/Sample Number: WBB0617-13 Collect Date: 02/16/21 11:05
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	<0.1	mg/L	0.100	0.100	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	<0.00006	mg/L	0.0000600	0.00100	3/1/21 13:06	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 10:46	TRC	EPA 245.1	
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 13:17	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 13:17	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 13:17	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 13:17	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	83.7%		50-150		3/4/21 13:17	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: U-1/WW-7
Lab/Sample Number: WBB0617-14 Collect Date: 02/16/21 12:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	704	mg/L	4.00	4.00	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.000359	mg/L	0.0000600	0.00100	3/1/21 13:08	TRC	EPA 200.8	J
Mercury								
Mercury	0.0625	ug/L	0.00600	0.100	3/4/21 10:48	TRC	EPA 245.1	J
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 14:14	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 14:14	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 14:14	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 14:14	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	85.6%		50-150		3/4/21 14:14	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: U-2/WW-5 WET
Lab/Sample Number: WBB0617-15 Collect Date: 02/16/21 12:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	2940	mg/L	10.0	10.0	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00225	mg/L	0.0000600	0.00100	3/1/21 13:11	TRC	EPA 200.8	
Mercury								
Mercury	0.489	ug/L	0.00600	0.100	3/4/21 10:51	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.595	mg/L	0.0520	0.0800	3/4/21 15:11	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 15:11	ARC	NWTPH-HCID	
Lube Oil	1.02	mg/L	0.0460	0.0800	3/4/21 15:11	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 15:11	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	96.2%		50-150		3/4/21 15:11	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: U-3/WW-4
Lab/Sample Number: WBB0617-16 Collect Date: 02/16/21 11:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	41.0	mg/L	1.00	1.00	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.0000900	mg/L	0.0000600	0.00100	3/1/21 13:13	TRC	EPA 200.8	J
Mercury								
Mercury	0.00960	ug/L	0.00600	0.100	3/4/21 10:53	TRC	EPA 245.1	J
Semivolatiles								
Diesel	0.501	mg/L	0.0520	0.0800	3/4/21 16:08	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 16:08	ARC	NWTPH-HCID	
Lube Oil	0.827	mg/L	0.0460	0.0800	3/4/21 16:08	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 16:08	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	88.1%		50-150		3/4/21 16:08	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-2
Lab/Sample Number: WBB0617-17 Collect Date: 02/16/21 12:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	43.0	mg/L	1.00	1.00	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.0128	mg/L	0.0000600	0.00100	3/1/21 13:15	TRC	EPA 200.8	
Mercury								
Mercury	0.0908	ug/L	0.00600	0.100	3/4/21 10:55	TRC	EPA 245.1	J
Semivolatiles								
Diesel	0.626	mg/L	0.0520	0.0800	3/4/21 17:05	ARC	NWTPH-HCID	T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 17:05	ARC	NWTPH-HCID	
Lube Oil	1.02	mg/L	0.0460	0.0800	3/4/21 17:05	ARC	NWTPH-HCID	T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 17:05	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	82.4%		50-150		3/4/21 17:05	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-3
Lab/Sample Number: WBB0617-18 Collect Date: 02/16/21 12:15
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	16.3	mg/L	0.333	0.333	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00128	mg/L	0.0000600	0.00100	3/1/21 13:18	TRC	EPA 200.8	
Mercury								
Mercury	0.0882	ug/L	0.00600	0.100	3/4/21 10:57	TRC	EPA 245.1	J
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 18:01	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 18:01	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 18:01	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 18:01	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	93.2%		50-150		3/4/21 18:01	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-4
Lab/Sample Number: WBB0617-19 Collect Date: 02/16/21 13:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	10.3	mg/L	0.333	0.333	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00146	mg/L	0.0000600	0.00100	3/1/21 13:20	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 11:00	TRC	EPA 245.1	
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 18:57	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 18:57	ARC	NWTPH-HCID	
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 18:57	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 18:57	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	93.0%		50-150		3/4/21 18:57	ARC	NWTPH-HCID	

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Analytical Results Report

(Continued)

Sample Location: D-5
Lab/Sample Number: WBB0617-20 Collect Date: 02/16/21 11:19
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	7.00	mg/L	0.333	0.333	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00175	mg/L	0.0000600	0.00100	3/1/21 13:22	TRC	EPA 200.8	
Mercury								
Mercury	0.0453	ug/L	0.00600	0.100	3/4/21 11:02	TRC	EPA 245.1	J
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/4/21 21:43	ARC	NWTPH-HCID	M2
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 21:43	ARC	NWTPH-HCID	M2
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/4/21 21:43	ARC	NWTPH-HCID	M2
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 21:43	ARC	NWTPH-HCID	M2
Surrogate: n-Hexacosane	76.3%		50-150		3/4/21 21:43	ARC	NWTPH-HCID	M2

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Analytical Results Report

(Continued)

Sample Location: D-6
Lab/Sample Number: WBB0617-21 Collect Date: 02/16/21 13:10
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	10.2	mg/L	0.250	0.250	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00149	mg/L	0.0000600	0.00100	3/1/21 13:37	TRC	EPA 200.8	
Mercury								
Mercury	<0.006	ug/L	0.00600	0.100	3/4/21 11:11	TRC	EPA 245.1	
Semivolatiles								
Diesel	0.494	mg/L	0.0520	0.0800	3/4/21 22:38	ARC	NWTPH-HCID	M2, T10
Gasoline	<0.160	mg/L	0.160	0.400	3/4/21 22:38	ARC	NWTPH-HCID	M2
Lube Oil	0.689	mg/L	0.0460	0.0800	3/4/21 22:38	ARC	NWTPH-HCID	M2, T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/4/21 22:38	ARC	NWTPH-HCID	M2
Surrogate: n-Hexacosane	84.5%		50-150		3/4/21 22:38	ARC	NWTPH-HCID	M2

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Analytical Results Report

(Continued)

Sample Location: D-7
Lab/Sample Number: WBB0617-22 Collect Date: 02/16/21 12:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	267	mg/L	1.00	1.00	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.000484	mg/L	0.0000600	0.00100	3/1/21 13:39	TRC	EPA 200.8	J
Mercury								
Mercury	0.0552	ug/L	0.00600	0.100	3/4/21 11:13	TRC	EPA 245.1	J
Semivolatiles								
Diesel	<0.052	mg/L	0.0520	0.0800	3/5/21 4:08	ARC	NWTPH-HCID	M2
Gasoline	<0.160	mg/L	0.160	0.400	3/5/21 4:08	ARC	NWTPH-HCID	M2
Lube Oil	<0.046	mg/L	0.0460	0.0800	3/5/21 4:08	ARC	NWTPH-HCID	M2
Mineral Oil	<0.160	mg/L	0.160	0.400	3/5/21 4:08	ARC	NWTPH-HCID	M2
Surrogate: n-Hexacosane	80.0%		50-150		3/5/21 4:08	ARC	NWTPH-HCID	M2

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Analytical Results Report

(Continued)

Sample Location: D-8
Lab/Sample Number: WBB0617-23 Collect Date: 02/16/21 13:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
TSS	7.67	mg/L	0.333	0.333	2/23/21 15:32	BAS	EPA 160.2	H3
Metals by ICP-MS								
Arsenic	0.00307	mg/L	0.0000600	0.00100	3/1/21 13:41	TRC	EPA 200.8	
Mercury								
Mercury	0.0347	ug/L	0.00600	0.100	3/4/21 13:43	TRC	EPA 245.1	J
Semivolatiles								
Diesel	0.531	mg/L	0.0520	0.0800	3/5/21 5:58	ARC	NWTPH-HCID	T10, M2
Gasoline	<0.160	mg/L	0.160	0.400	3/5/21 5:58	ARC	NWTPH-HCID	M2
Lube Oil	1.13	mg/L	0.0460	0.0800	3/5/21 5:58	ARC	NWTPH-HCID	M2, T10
Mineral Oil	<0.160	mg/L	0.160	0.400	3/5/21 5:58	ARC	NWTPH-HCID	M2
Surrogate: n-Hexacosane	89.4%		50-150		3/5/21 5:58	ARC	NWTPH-HCID	M2

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Analytical Results Report

(Continued)

Sample Location: WW-3
Lab/Sample Number: WBB0617-24 Collect Date: 02/16/21 12:00
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Soil

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
% Solids	81.0	%	0.100	0.100	3/2/21 15:09	MER	SM 2540 G	
Semivolatiles								
AMPA	<0.506	mg/kg dry	0.506	1.01	3/2/21 12:12	MER	EPA 8321B	*
Glyphosate	<0.253	mg/kg dry	0.253	0.506	3/2/21 12:12	MER	EPA 8321B	*
Atrazine	<0.025	mg/kg dry	0.0123	0.0250	3/12/21 14:07	TGT	EPA 625.1	*
Chlorpyrifos	<0.025	mg/kg dry	0.0123	0.0250	3/12/21 14:07	TGT	EPA 625.1	*
Metolachlor	<0.025	mg/kg dry	0.0123	0.0250	3/12/21 14:07	TGT	EPA 625.1	*
Surrogate: Terphenyl-d14	90.7%		25-135		3/12/21 14:07	TGT	EPA 625.1	

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Analytical Results Report

(Continued)

Sample Location: E-1
Lab/Sample Number: WBB0617-25 Collect Date: 02/16/21 11:30
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Soil

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
% Solids	79.2	%	0.100	0.100	3/2/21 15:09	MER	SM 2540 G	
Semivolatiles								
AMPA	<0.530	mg/kg dry	0.530	1.06	3/2/21 12:19	MER	EPA 8321B	*
Glyphosate	<0.265	mg/kg dry	0.265	0.530	3/2/21 12:19	MER	EPA 8321B	*
Atrazine	<0.025	mg/kg dry	0.0126	0.0250	3/12/21 13:41	TGT	EPA 625.1	*
Chlorpyrifos	<0.025	mg/kg dry	0.0126	0.0250	3/12/21 13:41	TGT	EPA 625.1	*
Metolachlor	<0.025	mg/kg dry	0.0126	0.0250	3/12/21 13:41	TGT	EPA 625.1	*
Surrogate: Terphenyl-d14	90.4%		25-135		3/12/21 13:41	TGT	EPA 625.1	

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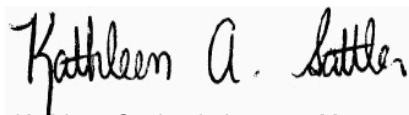
Analytical Results Report

(Continued)

Sample Location: E-2
Lab/Sample Number: WBB0617-26 Collect Date: 02/16/21 12:45
Date Received: 02/23/21 13:00 Collected By: Benjamin Berridge
Matrix: Soil

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
% Solids	80.6	%	0.100	0.100	3/2/21 15:09	MER	SM 2540 G	
Semivolatiles								
AMPA	<0.469	mg/kg dry	0.469	0.937	3/2/21 12:26	MER	EPA 8321B	*
Glyphosate	<0.234	mg/kg dry	0.234	0.469	3/2/21 12:26	MER	EPA 8321B	*
Atrazine	<0.025	mg/kg dry	0.0120	0.0248	3/12/21 14:34	TGT	EPA 625.1	*
Chlorpyrifos	<0.025	mg/kg dry	0.0120	0.0248	3/12/21 14:34	TGT	EPA 625.1	*
Metolachlor	<0.025	mg/kg dry	0.0120	0.0248	3/12/21 14:34	TGT	EPA 625.1	*
Surrogate: Terphenyl-d14	91.2%		25-135		3/12/21 14:34	TGT	EPA 625.1	

Authorized Signature,



Kathleen Sattler, Laboratory Manager

H3	Sample was received past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable. Potential matrix effect.
T10	Non-target analyte in diesel and lube oil range, tentatively identified as heavy fuel oil.
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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Certifications

Code	Description	Facility	Number
W WA DOE	Washington Department of Ecology	Anatek-Spokane, WA	C585
W FLDOH	Florida Department of Health (NELAC)	Anatek-Spokane, WA	E871099

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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: BBB0710 - W Filtration										
Blank (BBB0710-BLK1)					Prepared & Analyzed: 2/23/2021					
TSS	ND		1.00	mg/L						
Blank (BBB0710-BLK2)					Prepared & Analyzed: 2/23/2021					
TSS	ND		1.00	mg/L						
Blank (BBB0710-BLK3)					Prepared & Analyzed: 2/23/2021					
TSS	ND		1.00	mg/L						
LCS (BBB0710-BS1)					Prepared & Analyzed: 2/23/2021					
TSS	101			mg/L	100		101	90-110		
LCS (BBB0710-BS2)					Prepared & Analyzed: 2/23/2021					
TSS	103			mg/L	100		103	90-110		
LCS Dup (BBB0710-BSD1)					Prepared & Analyzed: 2/23/2021					
TSS	100			mg/L	100		100	90-110	0.995	10
LCS Dup (BBB0710-BSD2)					Prepared & Analyzed: 2/23/2021					
TSS	105			mg/L	100		105	90-110	1.92	10
Duplicate (BBB0710-DUP1)					Prepared & Analyzed: 2/23/2021					
TSS	35.0		1.00	mg/L		37.0			5.56	20
Duplicate (BBB0710-DUP2)					Prepared & Analyzed: 2/23/2021					
TSS	6.67		0.333	mg/L		7.00			4.88	20
Matrix Spike (BBB0710-MS1)					Prepared & Analyzed: 2/23/2021					
TSS	242		2.00	mg/L	100	146	96.0	80-120		

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Quality Control Data (Continued)

Inorganics (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBB0710 - W Filtration (Continued)										
Matrix Spike (BBB0710-MS2)										
			Source: WBB0617-23		Prepared & Analyzed: 2/23/2021					
TSS	108		2.00	mg/L	100	7.67	100	80-120		
Matrix Spike Dup (BBB0710-MSD1)										
			Source: WBB0617-01		Prepared & Analyzed: 2/23/2021					
TSS	236		2.00	mg/L	100	146	90.0	80-120	2.51	20
Matrix Spike Dup (BBB0710-MSD2)										
			Source: WBB0617-23		Prepared & Analyzed: 2/23/2021					
TSS	114		2.00	mg/L	100	7.67	106	80-120	5.41	20

Quality Control Data (Continued)

Metals by ICP-MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBB0747 - W 3010 Digest										
Blank (BBB0747-BLK1)										
			Prepared: 2/26/2021 Analyzed: 3/1/2021							
Arsenic	ND		0.00100	mg/L						
Blank (BBB0747-BLK2)										
			Prepared: 2/26/2021 Analyzed: 3/1/2021							
Arsenic	ND		0.00100	mg/L						
LCS (BBB0747-BS1)										
			Prepared: 2/26/2021 Analyzed: 3/1/2021							
Arsenic	0.0511		0.00100	mg/L	0.0500		102	85-115		
LCS (BBB0747-BS2)										
			Prepared: 2/26/2021 Analyzed: 3/1/2021							
Arsenic	0.0488		0.00100	mg/L	0.0500		97.7	85-115		
Matrix Spike (BBB0747-MS1)										
			Source: WBB0617-07		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0527		0.00100	mg/L	0.0500	0.000873	104	70-130		
Matrix Spike (BBB0747-MS2)										
			Source: WBB0617-10		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0508		0.00100	mg/L	0.0500	<0.00006	102	70-130		
Matrix Spike (BBB0747-MS3)										
			Source: WBB0617-23		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0555		0.00100	mg/L	0.0500	0.00307	105	70-130		
Matrix Spike Dup (BBB0747-MSD1)										
			Source: WBB0617-07		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0520		0.00100	mg/L	0.0500	0.000873	102	70-130	1.23	20
Matrix Spike Dup (BBB0747-MSD2)										
			Source: WBB0617-10		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0510		0.00100	mg/L	0.0500	<0.00006	102	70-130	0.342	20
Matrix Spike Dup (BBB0747-MSD3)										
			Source: WBB0617-23		Prepared: 2/26/2021 Analyzed: 3/1/2021					
Arsenic	0.0549		0.00100	mg/L	0.0500	0.00307	104	70-130	1.05	20

Quality Control Data (Continued)

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Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBC0028 - W 245.1 Digest										
Blank (BBC0028-BLK1)										
Mercury	ND		0.100	ug/L						Prepared: 3/1/2021 Analyzed: 3/4/2021
LCS (BBC0028-BS1)										
Mercury	2.11		0.100	ug/L	2.00		105	85-115		Prepared: 3/1/2021 Analyzed: 3/4/2021
Matrix Spike (BBC0028-MS1)										
Mercury	2.04		0.100	ug/L	2.00	0.00900	101	70-130		Prepared: 3/1/2021 Analyzed: 3/4/2021
Matrix Spike (BBC0028-MS2)										
Mercury	2.06		0.100	ug/L	2.00	<0.006	103	70-130		Prepared: 3/1/2021 Analyzed: 3/4/2021
Matrix Spike (BBC0028-MS3)										
Mercury	2.14		0.100	ug/L	2.00	0.0347	105	70-130		Prepared: 3/1/2021 Analyzed: 3/4/2021
Matrix Spike Dup (BBC0028-MSD1)										
Mercury	2.00		0.100	ug/L	2.00	0.00900	99.6	70-130	1.78	20
Matrix Spike Dup (BBC0028-MSD2)										
Mercury	1.96		0.100	ug/L	2.00	<0.006	97.9	70-130	5.27	20
Matrix Spike Dup (BBC0028-MSD3)										
Mercury	1.93		0.100	ug/L	2.00	0.0347	94.6	70-130	10.4	20

Quality Control Data (Continued)

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBB0654 - W TPH-Dx										
Blank (BBB0654-BLK1)										
Lube Oil	ND		0.0800	mg/L						Prepared: 2/23/2021 Analyzed: 3/3/2021
Mineral Oil	ND		0.400	mg/L						
Gasoline	ND		0.400	mg/L						
Diesel	ND		0.0800	mg/L						
Surrogate: n-Hexacosane			42.4	mg/L	50.0		84.8	50-150		
LCS (BBB0654-BS1)										
Diesel	0.806		0.0800	mg/L	1.00		80.2	0-200		Prepared: 2/23/2021 Analyzed: 3/3/2021
Surrogate: n-Hexacosane			43.3	mg/L	50.0		86.5	50-150		
Duplicate (BBB0654-DUP1)										
Lube Oil	0.725		0.0800	mg/L		0.806			10.6	200
Mineral Oil	ND		0.400	mg/L		<0.160				200
Gasoline	ND		0.400	mg/L		<0.160				200
Diesel	0.423		0.0800	mg/L		0.455			7.38	200
Surrogate: n-Hexacosane			46.4	mg/L	50.0		92.7	50-150		
Matrix Spike (BBB0654-MS1)										
Diesel	1.15		0.0800	mg/L	1.00	0.386	75.6	0-200		Prepared: 2/23/2021 Analyzed: 3/3/2021

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BBB0654 - W TPH-Dx (Continued)

Matrix Spike (BBB0654-MS1)

Source: WBB0617-03

Prepared: 2/23/2021 Analyzed: 3/3/2021

Surrogate: n-Hexacosane			49.1	mg/L	50.0		98.1	50-150		
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Matrix Spike Dup (BBB0654-MSD1)

Source: WBB0617-03

Prepared: 2/23/2021 Analyzed: 3/3/2021

Diesel	1.14		0.0800	mg/L	1.00	0.386	75.3	0-200	0.228	200
Surrogate: n-Hexacosane			48.2	mg/L	50.0		96.3	50-150		

Batch: BBB0734 - W TPH-Dx

Blank (BBB0734-BLK1)

Prepared: 2/25/2021 Analyzed: 3/4/2021

Lube Oil	ND	M2	0.0800	mg/L						
Mineral Oil	ND	M2	0.400	mg/L						
Gasoline	ND	M2	0.400	mg/L						
Diesel	ND	M2	0.0800	mg/L						
Surrogate: n-Hexacosane		M2	45.1	mg/L	50.0		90.3	50-150		

LCS (BBB0734-BS1)

Prepared: 2/25/2021 Analyzed: 3/4/2021

Diesel	0.783	M2	0.0800	mg/L	1.00		77.9	0-200		
Surrogate: n-Hexacosane		M2	39.1	mg/L	50.0		78.3	50-150		

Duplicate (BBB0734-DUP1)

Source: WBB0617-22

Prepared: 2/25/2021 Analyzed: 3/5/2021

Lube Oil	ND	M2	0.0800	mg/L		<0.046				200
Mineral Oil	ND	M2	0.400	mg/L		<0.160				200
Gasoline	ND	M2	0.400	mg/L		<0.160				200
Diesel	ND	M2	0.0800	mg/L		<0.052				200
Surrogate: n-Hexacosane		M2	45.5	mg/L	50.0		91.0	50-150		

Matrix Spike (BBB0734-MS1)

Source: WBB0617-23

Prepared: 2/25/2021 Analyzed: 3/5/2021

Diesel	1.02	M2	0.0800	mg/L	1.00	0.531	48.2	0-200		
Surrogate: n-Hexacosane		M2	45.4	mg/L	50.0		90.8	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
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Batch: BBB0734 - W TPH-Dx (Continued)

Matrix Spike Dup (BBB0734-MSD1)

Source: WBB0617-23

Prepared: 2/25/2021 Analyzed: 3/5/2021

Diesel	1.04	M2	0.0800	mg/L	1.00	0.531	50.6	0-200	2.28	200
Surrogate: n-Hexacosane		M2	48.0	mg/L	50.0		96.0	50-150		

Batch: BBC0012 - Glyphosate

Blank (BBC0012-BLK1)

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	ND		5.00	ug/L						
AMPA	ND		10.0	ug/L						

LCS (BBC0012-BS1)

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	42.0		5.00	ug/L	50.0		84.0	70-130		
AMPA	79.1		10.0	ug/L	100		79.1	70-130		

Matrix Spike (BBC0012-MS1)

Source: WBB0717-05

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	49.1		5.00	ug/L	50.0	ND	98.2	70-130		
AMPA	76.2		10.0	ug/L	100	ND	76.2	70-130		

Matrix Spike Dup (BBC0012-MSD1)

Source: WBB0717-05

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	47.6		5.00	ug/L	50.0	ND	95.2	70-130	3.10	25
AMPA	76.3		10.0	ug/L	100	ND	76.3	70-130	0.131	25

Batch: BBC0017 - Glyphosate

Blank (BBC0017-BLK1)

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	ND		0.0600	mg/kg wet						
AMPA	ND		0.120	mg/kg wet						

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BBC0017 - Glyphosate (Continued)

LCS (BBC0017-BS1)

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	0.0392		0.00600	mg/kg wet	0.0500		78.4	70-130	
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Matrix Spike (BBC0017-MS1)

Source: WBB0617-25

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	4.50		0.663	mg/kg dry	5.52	<0.265	81.4	70-130	
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Matrix Spike Dup (BBC0017-MSD1)

Source: WBB0617-25

Prepared: 3/1/2021 Analyzed: 3/2/2021

Glyphosate	5.09		0.663	mg/kg dry	5.52	<0.265	92.2	70-130	12.4 25
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Batch: BBC0110 - SVOC Water

Blank (BBC0110-BLK1)

Prepared: 2/24/2021 Analyzed: 3/3/2021

Atrazine	ND		0.100	ug/L					
Metolachlor	ND		0.100	ug/L					
Chlorpyrifos	ND		0.100	ug/L					

Surrogate: Terphenyl-d14			22.9	ug/L	25.8		88.8	25-135	
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LCS (BBC0110-BS1)

Prepared: 2/24/2021 Analyzed: 3/3/2021

Atrazine	3.11		0.100	ug/L	2.50		124	60-125	
Chlorpyrifos	3.01		0.100	ug/L	2.50		120	50-125	
Metolachlor	3.02		0.100	ug/L	2.50		121	60-125	

Surrogate: Terphenyl-d14			22.7	ug/L	25.8		88.2	25-135	
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LCS Dup (BBC0110-BSD1)

Prepared: 2/24/2021 Analyzed: 3/3/2021

Chlorpyrifos	2.98		0.100	ug/L	2.50		119	50-125	1.00 20
Metolachlor	3.04		0.100	ug/L	2.50		122	60-125	0.660 20
Atrazine	3.02		0.100	ug/L	2.50		121	60-125	2.94 20

Surrogate: Terphenyl-d14			25.5	ug/L	25.8		98.9	25-135	
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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: BBC0286 - ASE Ext										
Blank (BBC0286-BLK1)										
Prepared: 3/2/2021 Analyzed: 3/12/2021										
Atrazine	ND		0.0200	mg/kg wet						
Chlorpyrifos	ND		0.0200	mg/kg wet						
Metolachlor	ND		0.0200	mg/kg wet						
Tricresyl phosphate	ND		0.100	mg/kg wet						
Trifluralin	ND		0.100	mg/kg wet						
<i>Surrogate: Terphenyl-d14</i>			4.56	mg/kg wet	5.05		90.3	25-135		
LCS (BBC0286-BS1)										
Prepared: 3/2/2021 Analyzed: 3/12/2021										
Chlorpyrifos	1.01		0.0200	mg/kg wet	1.00		101	30-140		
Metolachlor	1.02		0.0200	mg/kg wet	1.00		102	60-125		
Atrazine	0.998		0.0200	mg/kg wet	1.00		99.8	60-125		
<i>Surrogate: Terphenyl-d14</i>			3.98	mg/kg wet	5.05		78.7	25-135		
LCS Dup (BBC0286-BSD1)										
Prepared: 3/2/2021 Analyzed: 3/12/2021										
Metolachlor	1.05		0.0200	mg/kg wet	1.00		105	60-125	2.70	20
Chlorpyrifos	1.02		0.0200	mg/kg wet	1.00		102	30-140	1.57	20
Atrazine	1.09		0.0200	mg/kg wet	1.00		109	60-125	8.81	20
<i>Surrogate: Terphenyl-d14</i>			4.52	mg/kg wet	5.05		89.5	25-135		
Matrix Spike (BBC0286-MS1)										
			Source: WBB0617-25		Prepared: 3/2/2021 Analyzed: 3/12/2021					
Metolachlor	1.25		0.0200	mg/kg dry	1.26	<0.025	99.0	40-130		
Chlorpyrifos	1.23		0.0200	mg/kg dry	1.26	<0.025	97.8	40-130		
Atrazine	1.32		0.0200	mg/kg dry	1.26	<0.025	105	40-130		
<i>Surrogate: Terphenyl-d14</i>			5.58	mg/kg dry	6.38		87.5	50-130		
Matrix Spike Dup (BBC0286-MSD1)										
			Source: WBB0617-25		Prepared: 3/2/2021 Analyzed: 3/12/2021					
Metolachlor	1.31		0.0200	mg/kg dry	1.26	<0.025	104	40-130	4.73	25
Chlorpyrifos	1.29		0.0200	mg/kg dry	1.26	<0.025	102	40-130	4.20	25
Atrazine	1.36		0.0200	mg/kg dry	1.26	<0.025	108	40-130	2.82	25
<i>Surrogate: Terphenyl-d14</i>			5.32	mg/kg dry	6.38		83.4	50-130		



Chain of Custody Record

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WBB0617



Due: 03/09/21

Turn Aro

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<http://www.anateklabs.com/services/guidelines/reporting.asp>

☒ Normal ☐ *All rush order requests must be prior approved. ☐ Phone
☐ Next Day* ☐ Mail
☐ 2nd Day* ☐ Fax
☐ Other* ☐ Email

Company Name: **Cardno-GS**
Address: **737 Bishop St Suite 3050**
City: **Honolulu** State: **HI** Zip: **96813**
Phone: **(808) 476-0067**
Fax:

Project Manager: **Benjamin Berridge**
Project Name & #: **ADC Water Quality Monitoring**
Email Address: **benjamin.berridge@cardno-gs.com**
Purchase Order #:
Sampler Name & phone:

Provide Sample Description

List Analyses Requested

Note Special Instructions/Comments

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:		TSS EPA 160.2	TPH HClD - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1					
				# of Containers	Sample Volume										
5	W-2	2-16-2021 11:05	W	5		X	X		X	X					
	W-3	2-16-2021	W	5		X	X		X	X					
2	U-1/VWV-7	2-16-2021 12:30	W	5		X	X		X	X					
2	U-2/VWV-5 WET	2-16-2021 12:00	W	5		X	X		X	X					
2	U-3/VWV-4	2-16-2021 11:30	W	5		X	X		X	X					
1	D-2	2-16-2021 12:30	W	5		X	X		X	X					
1	D-3	2-16-2021 12:15	W	5		X	X		X	X				2 bags	
2	D-4	2-16-2021 13:30	W	5		X	X		X	X					
5	D-5	2-16-2021 11:19	W	5		X	X		X	X					
3	D-6	2-16-2021 13:10	W	5		X	X		X	X					
3	D-7	2-16-2021 12:30	W	5		X	X		X	X					
6	D-8	2-16-2021 13:00	W	5		X	X		X	X					

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

Inspection Checklist

Received Intact? Y N
Labels & Chains Agree? Y N
Containers Sealed? Y N
VOC Head Space? Y N

F/C/I

Temperature (°C):

Preservative:

Date & Time:

Inspected By:

	Printed Name	Signature	Company	Date	Time
Relinquished by	Ben Berridge		Cardno	2-17-2021	14:00
Received by	Wendy Bz		Anatek	2/23/21	1300
Relinquished by					
Received by					
Relinquished by					
Received by					



Chain of Custody Record

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Log-In #

WBB0617



Due: 03/09/21

Company Name: 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@cardno-gs.com				
Phone: (808) 476-0067			Purchase Order #:				
Fax:			Sampler Name & phone:				

Provide Sample Description				List Analyses Requested										Note Special Instructions/Comments	
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative: # of Containers	Sample Volume	TSS EPA 180.2	TPH HCID - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1	Pesticides EPA 625 SIM	Glyphosate EPA 547	Pesticides Sed. EPA 827D	Glyphosate Sed. EPA 8321B	
6	DW-1/WW-1	2-16-2021 13:00	W	5		X	X		X	X					
3	DW-2	2-16-2021 11:55	W	5		X	X		X	X					2 bags
1	DW-3	2-16-2021 12:20	W	5		X	X		X	X					
5	WW-2	2-16-2021 11:40	W	5		X	X		X	X					2 bags
4	WW-3	2-16-2021 12:00	W & S	9		X	X		X	X	X	X	X	X	2 bags
5	WW-6	2-16-2021 12:00	W	5		X	X		X	X					only 1L Poly & soil jars rec'd
4	E-1	2-16-2021 11:30	W & S	9		X	X		X	X	X	X	X	X	2 bags each
4	E-2	2-16-2021 12:45	W & S	9		X	X		X	X	X	X	X	X	
6	D-8 DUP	2-16-2021 13:00	W & S	9		X	X		X	X					no soil jar rec'd
6	D-8 BLANK	2-16-2021 13:00	W	5		X	X		X	X					
6	D-8 MS/MSD	2-16-2021 13:00	W & S	5			X		X	X					
1	I-1	2-16-2021 13:05	W	5		X	X		X	X					
3	W-1	2-16-2021 11:30	W	5		X	X		X	X					

	Printed Name	Signature	Company	Date	Time
Relinquished by	Ben Berridge	<i>[Signature]</i>	Cardno	2-17-2021	14:00
Received by	Wendy H	<i>[Signature]</i>	Anatek	2-23-21	1300
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 ☐
F/c/i	
Temperature (°C):	See below
Preservative:	Nathio 200177 pH 2001015
	HCl 2001203, 200113942, 2002744742
Date & Time:	2-23-21 1700
Inspected By:	Wley

Form COC01.00 - Eff 1 Mar 2015

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Sub-contracted analyses will be clearly noted on the analytical report.

Cooler 1 - 13.1/12.9°C
2 - 14.1/13.9°C
3 - 13.6/13.4°C

no D-8 Dup Soil jar rec'd, E-2 450ml jar filled w/ soil
4 - 13.3/13.1°C
5 - 17.3/17.1°C
6 - 14.9/14.7°C

* D8, DX bottle rec'd broken
blank
* NW-3 SVOC bottle rec'd broken

Page 1 of 2

AND3 2000994422
2002280422

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10008.D Vial: 6
Acq On : 03 Mar 2021 16:57 Operator: ARC
Sample : BBB0654-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:51 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

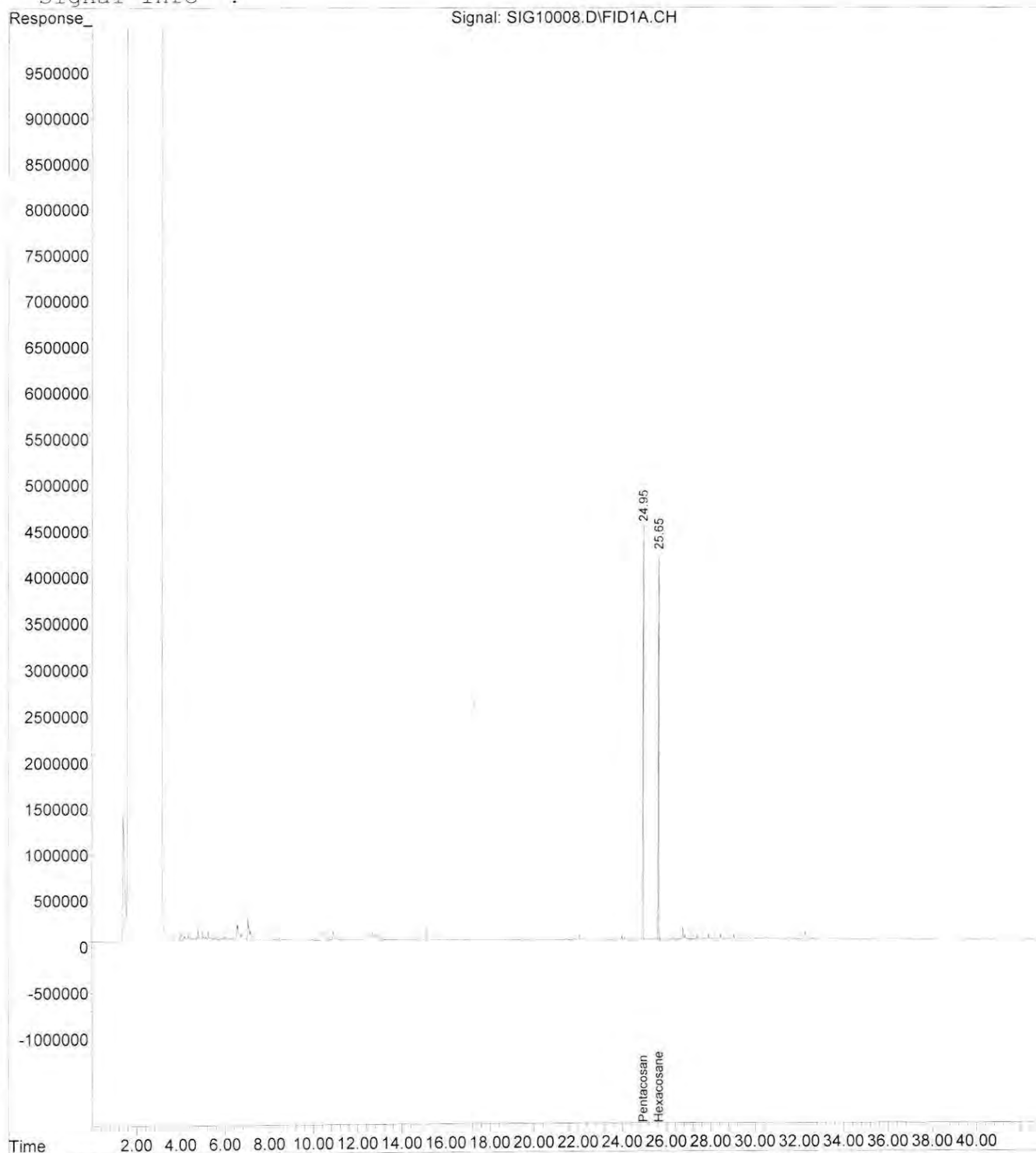
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	87998595	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	72527343	42.398 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 84.80%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10008.D Vial: 6
Acq On : 03 Mar 2021 16:57 Operator: ARC
Sample : BBB0654-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:15 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10009.D Vial: 7
Acq On : 03 Mar 2021 17:53 Operator: ARC
Sample : BBB0654-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:15:54 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

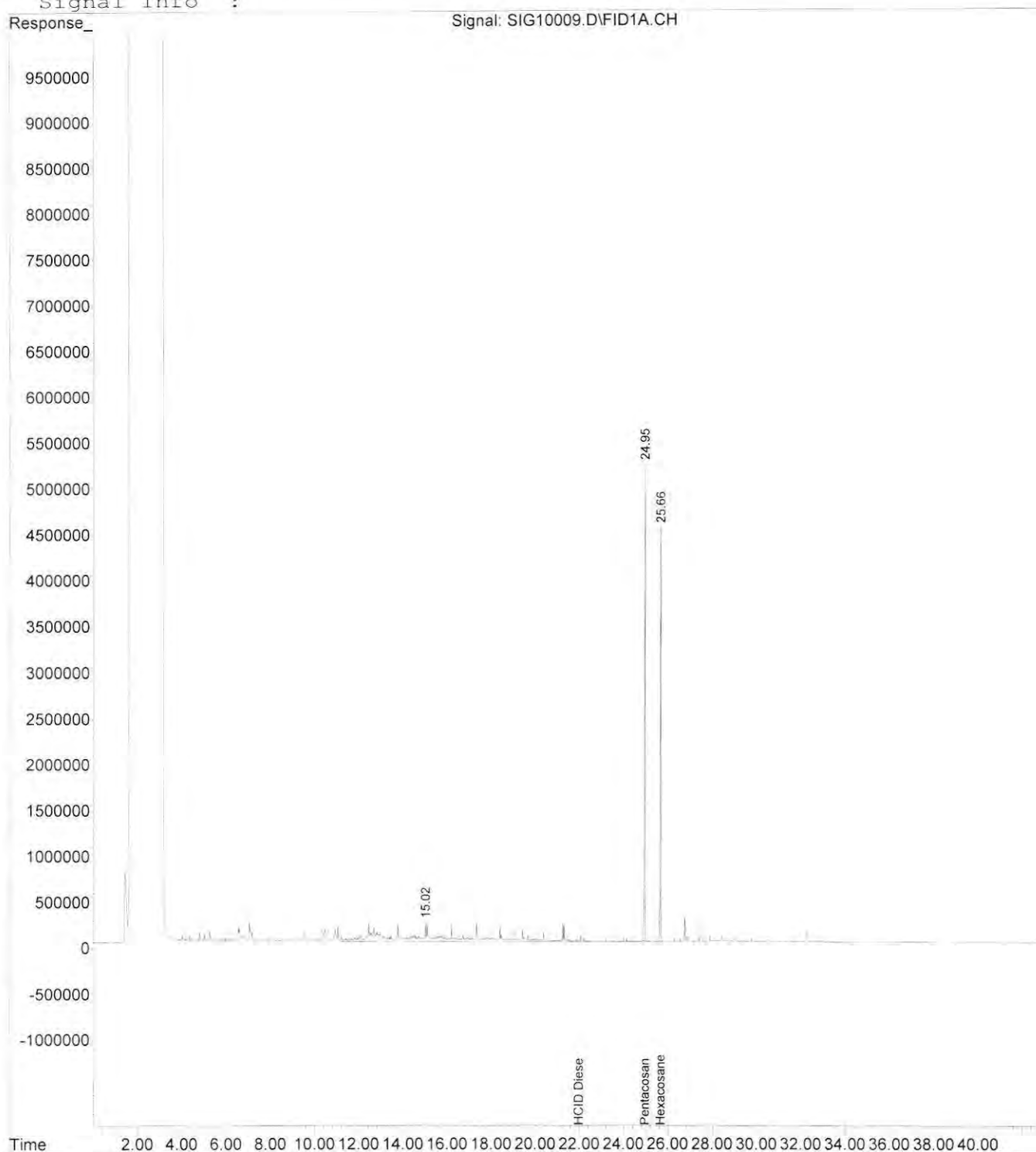
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	105132932	50.000	ppm m
System Monitoring Compounds				
2) S Hexacosane	25.66	88410557	43.259	ppm m
Spiked Amount	50.000	Range	50 - 150	Recovery = 86.52%
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)	21.97	247815913	201.403	ppm
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10009.D Vial: 7
Acq On : 03 Mar 2021 17:53 Operator: ARC
Sample : BBB0654-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:16 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10010.D Vial: 8
Acq On : 03 Mar 2021 18:49 Operator: ARC
Sample : WBB0617-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:53 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

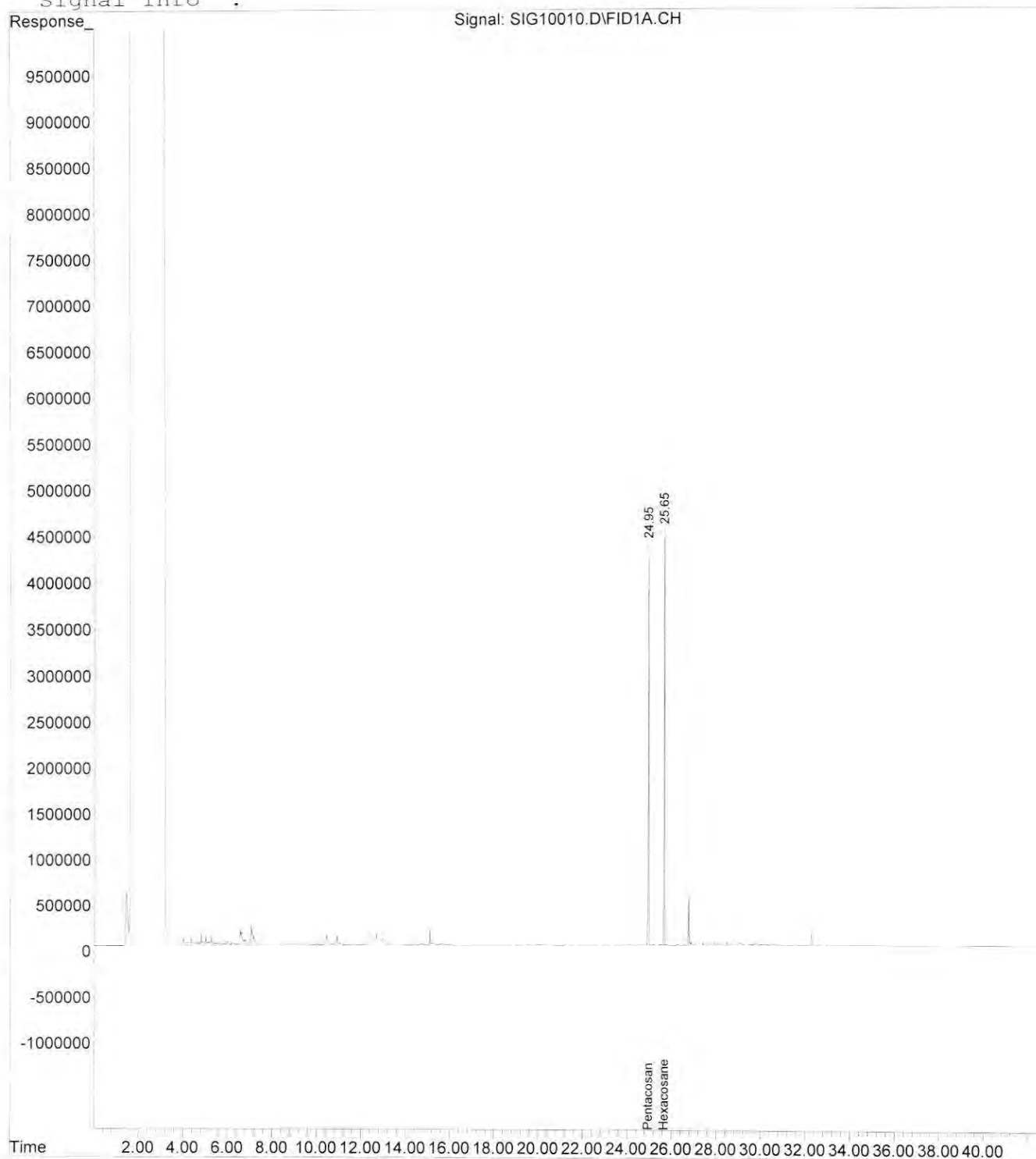
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	85341486	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	77295362	46.592 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 93.18%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10010.D Vial: 8
Acq On : 03 Mar 2021 18:49 Operator: ARC
Sample : WBB0617-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:16 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10011.D Vial: 9
Acq On : 03 Mar 2021 19:44 Operator: ARC
Sample : WBB0617-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:55 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

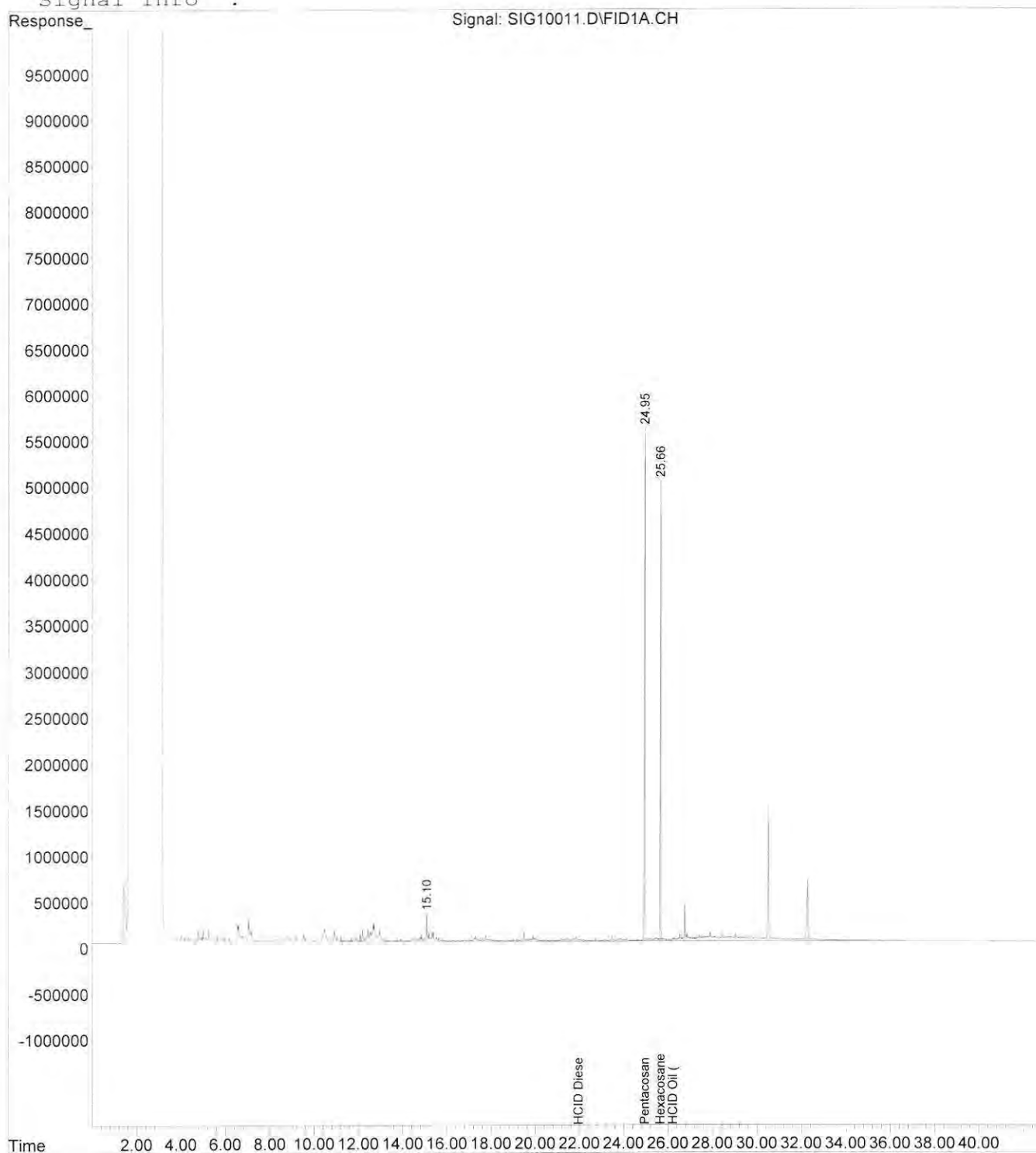
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	114773768	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	91779876	41.136 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 82.27%
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)	21.97	152859965	113.796 ppm	
8) h HCID Oil (>C14)	26.20	204443623	201.547 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10011.D Vial: 9
Acq On : 03 Mar 2021 19:44 Operator: ARC
Sample : WBB0617-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:20 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10012.D Vial: 10
Acq On : 03 Mar 2021 20:40 Operator: ARC
Sample : BBB0654-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:56 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

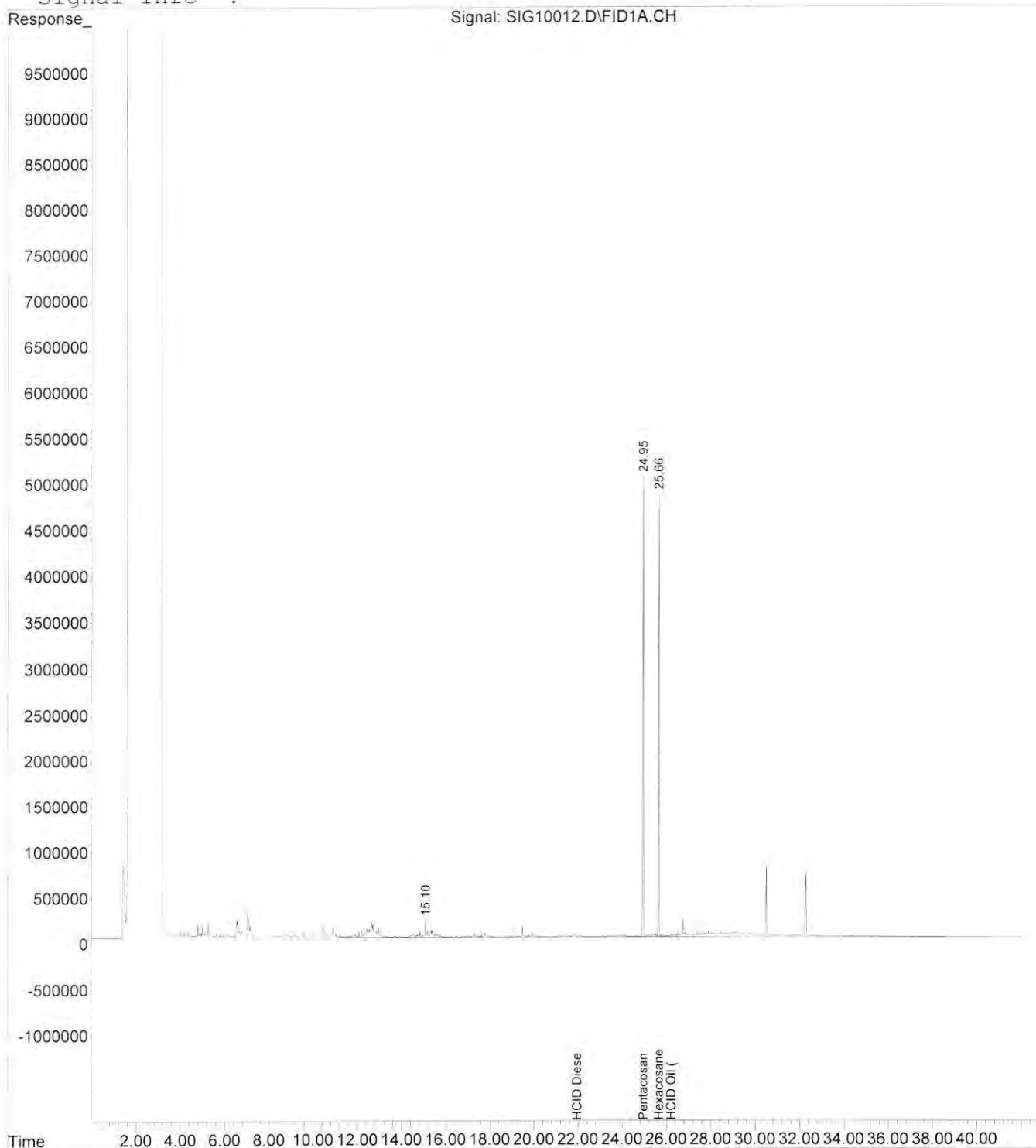
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	103813850	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	93541582	46.352 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 92.70%
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)	21.97	128418653	105.693 ppm	
8) h HCID Oil (>C14)	26.20	166375122	181.334 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10012.D Vial: 10
Acq On : 03 Mar 2021 20:40 Operator: ARC
Sample : BBB0654-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:21 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10013.D Vial: 11
Acq On : 03 Mar 2021 21:35 Operator: ARC
Sample : WBB0617-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:57 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

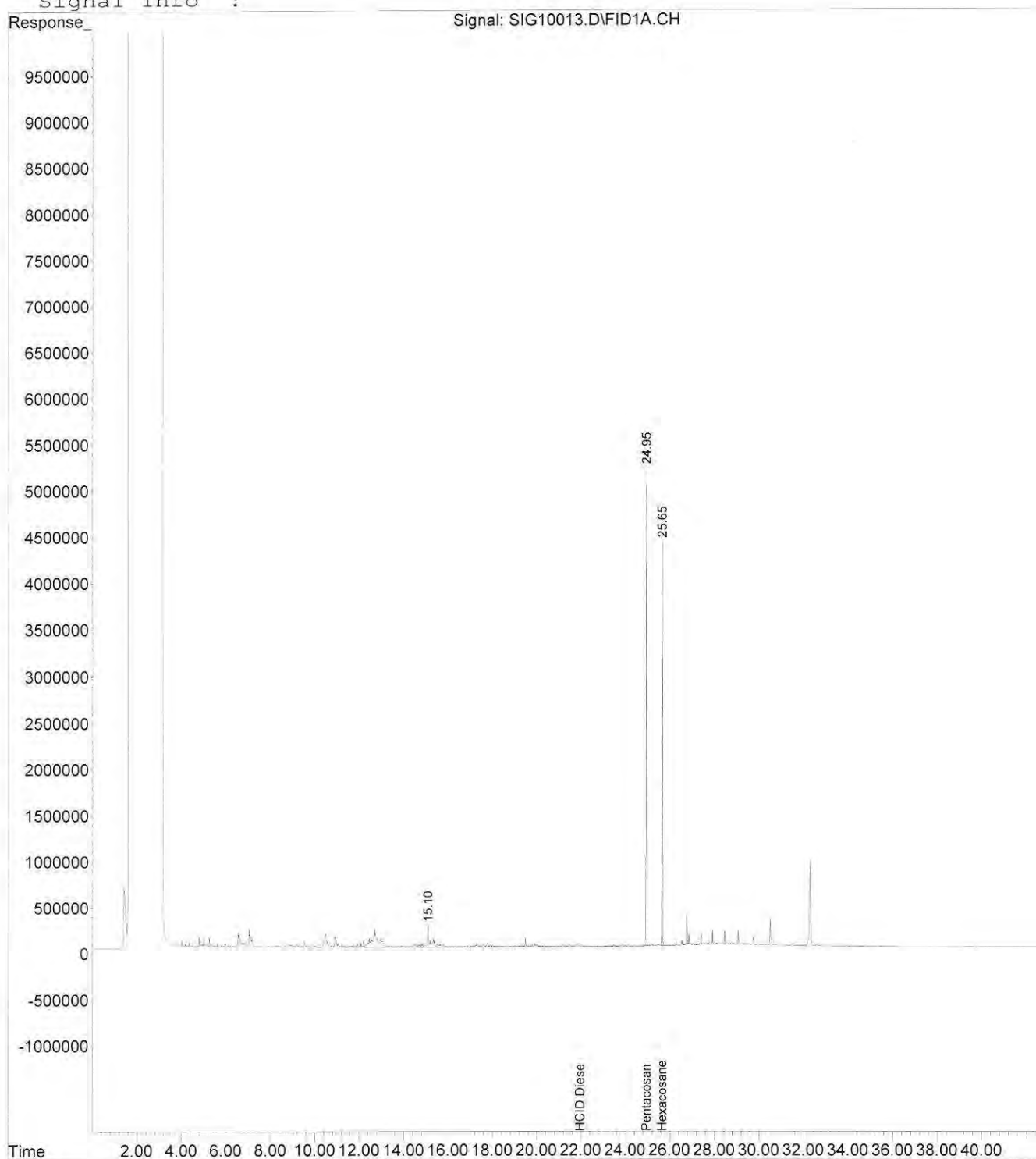
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	102447976	50.000	ppm m
System Monitoring Compounds				
2) S Hexacosane	25.65	84348802	42.354	ppm m
Spiked Amount	50.000	Range	50 - 150	Recovery = 84.71%
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)	21.97	115840383	96.612	ppm
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10013.D Vial: 11
Acq On : 03 Mar 2021 21:35 Operator: ARC
Sample : WBB0617-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 10:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10014.D Vial: 12
Acq On : 03 Mar 2021 22:30 Operator: ARC
Sample : BBB0654-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:58 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

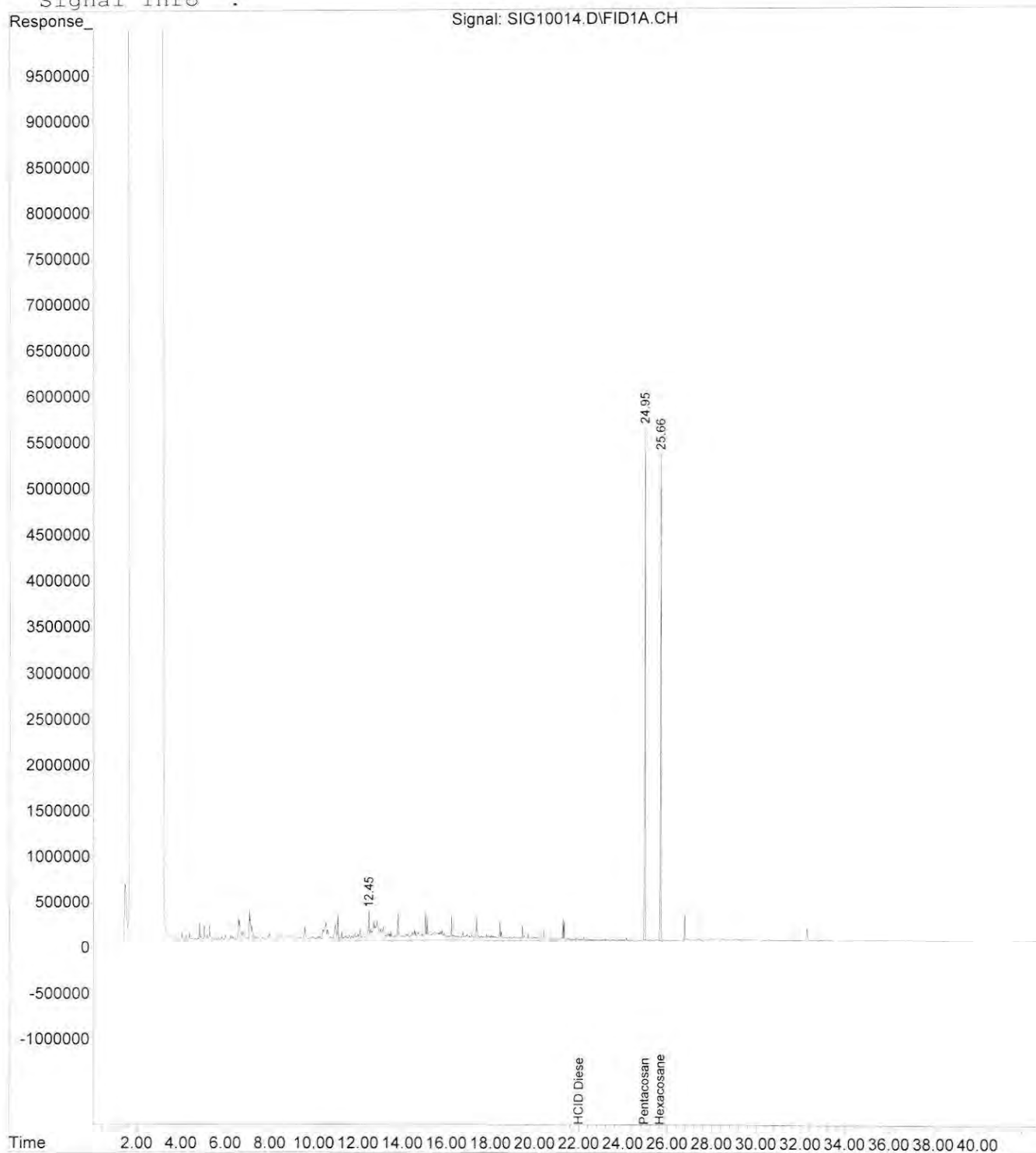
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	106199247	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	101278948	49.058 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 98.12%
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)	21.97	356139466	286.532 ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10014.D Vial: 12
Acq On : 03 Mar 2021 22:30 Operator: ARC
Sample : BBB0654-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 10:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10015.D Vial: 13
Acq On : 03 Mar 2021 23:25 Operator: ARC
Sample : BBB0654-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:00:59 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

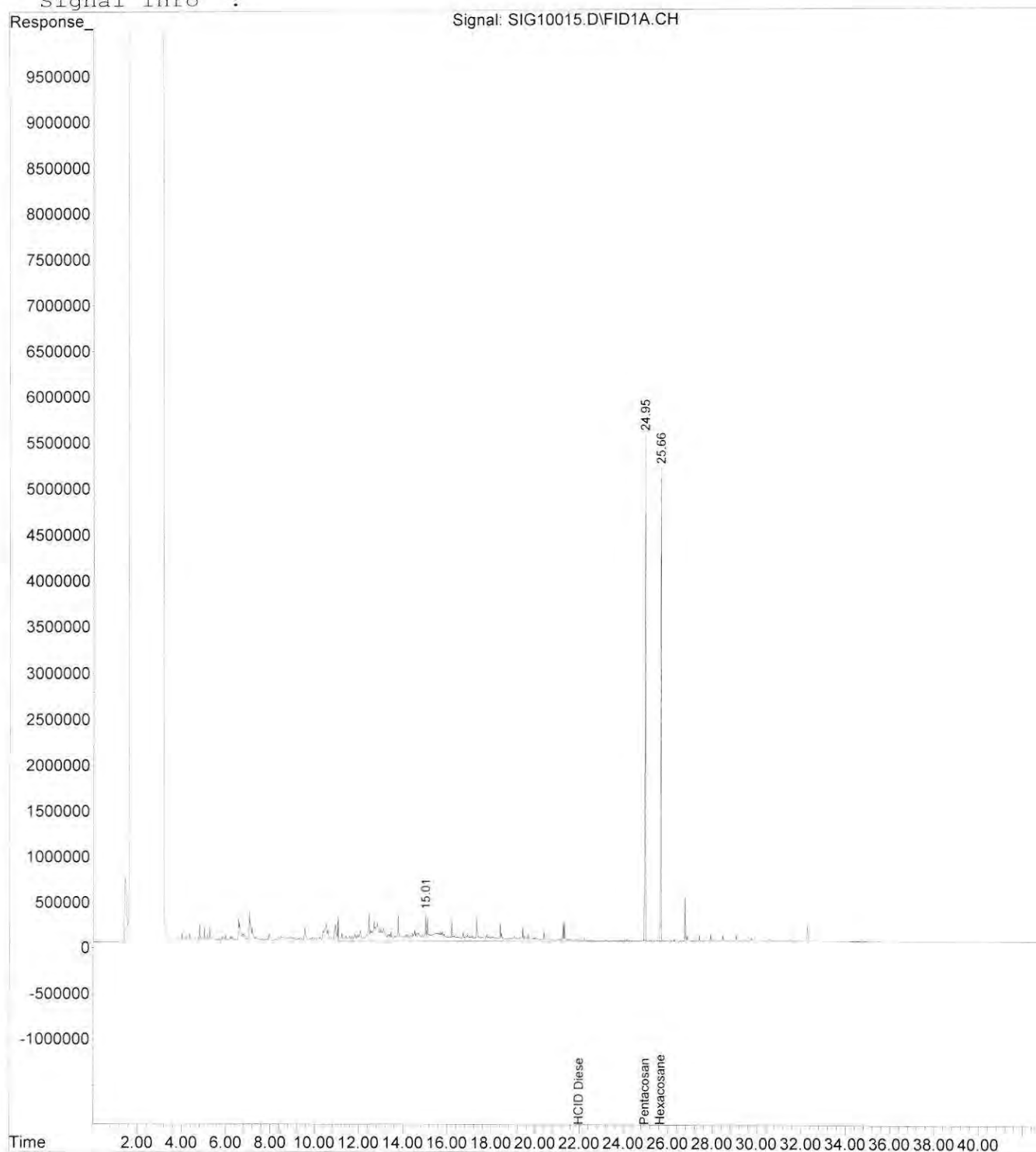
Compound	R.T.	Response	Conc	Units

Internal Standards				
1) I Pentacosane	24.95	104284915	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	97642587	48.165 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 96.33%
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)	21.97	348921630	285.879 ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10015.D Vial: 13
Acq On : 03 Mar 2021 23:25 Operator: ARC
Sample : BBB0654-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 10:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10016.D Vial: 14
Acq On : 04 Mar 2021 00:20 Operator: ARC
Sample : WBB0617-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:01:00 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

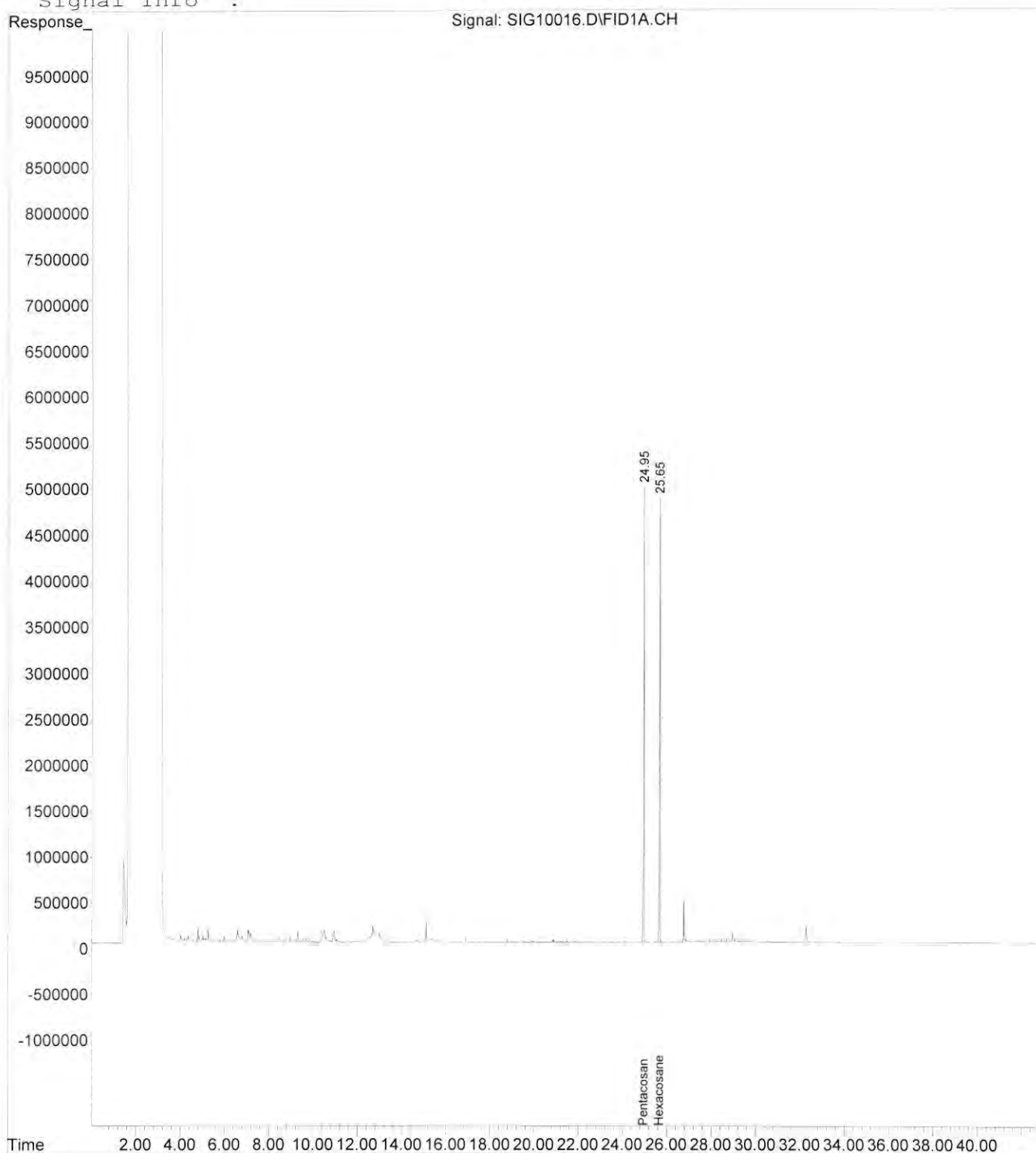
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	97694396	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	93652680	49.314 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 98.63%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10016.D Vial: 14
Acq On : 04 Mar 2021 00:20 Operator: ARC
Sample : WBB0617-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:27 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10017.D Vial: 15
 Acq On : 04 Mar 2021 1:15 Operator: ARC
 Sample : WBB0617-05 Inst : HP G1530A
 Misc : Multiplr: 1.00
 IntFile : EVENTS1.E
 Quant Time: Mar 04 08:01:01 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
 Title :
 Last Update : Tue Mar 02 09:08:48 2021
 Response via : Initial Calibration
 DataAcq Meth : DXHCID5.M

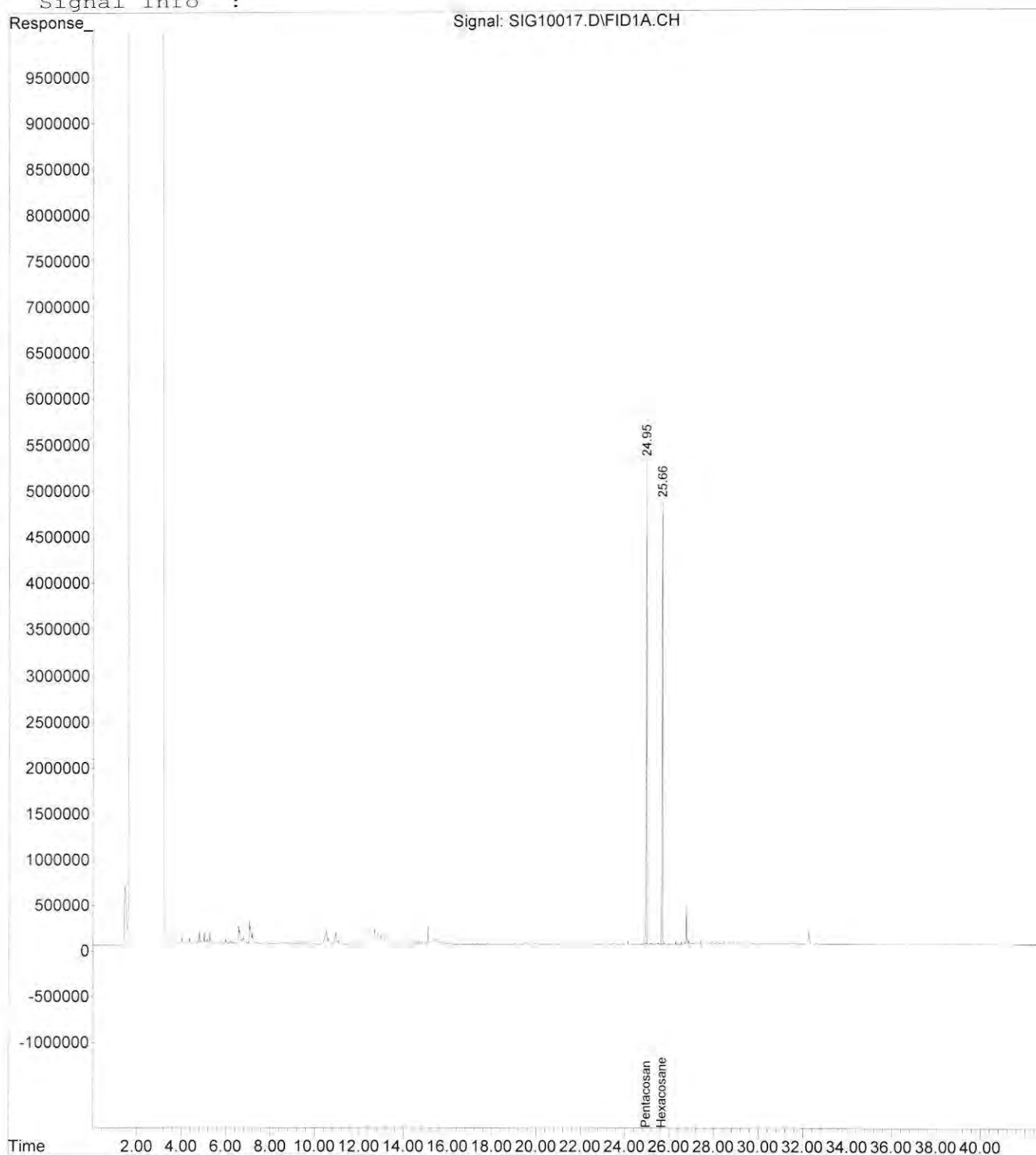
Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	105651150	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	94324829	45.927 ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	91.85%	
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 : W:\HPCHEM\1\2021DATA\030321\SIG10017.D Vial: 15
Acq On : 04 Mar 2021 1:15 Operator: ARC
Sample : WBB0617-05 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:28 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10018.D Vial: 16
Acq On : 04 Mar 2021 2:10 Operator: ARC
Sample : WBB0617-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:01:02 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

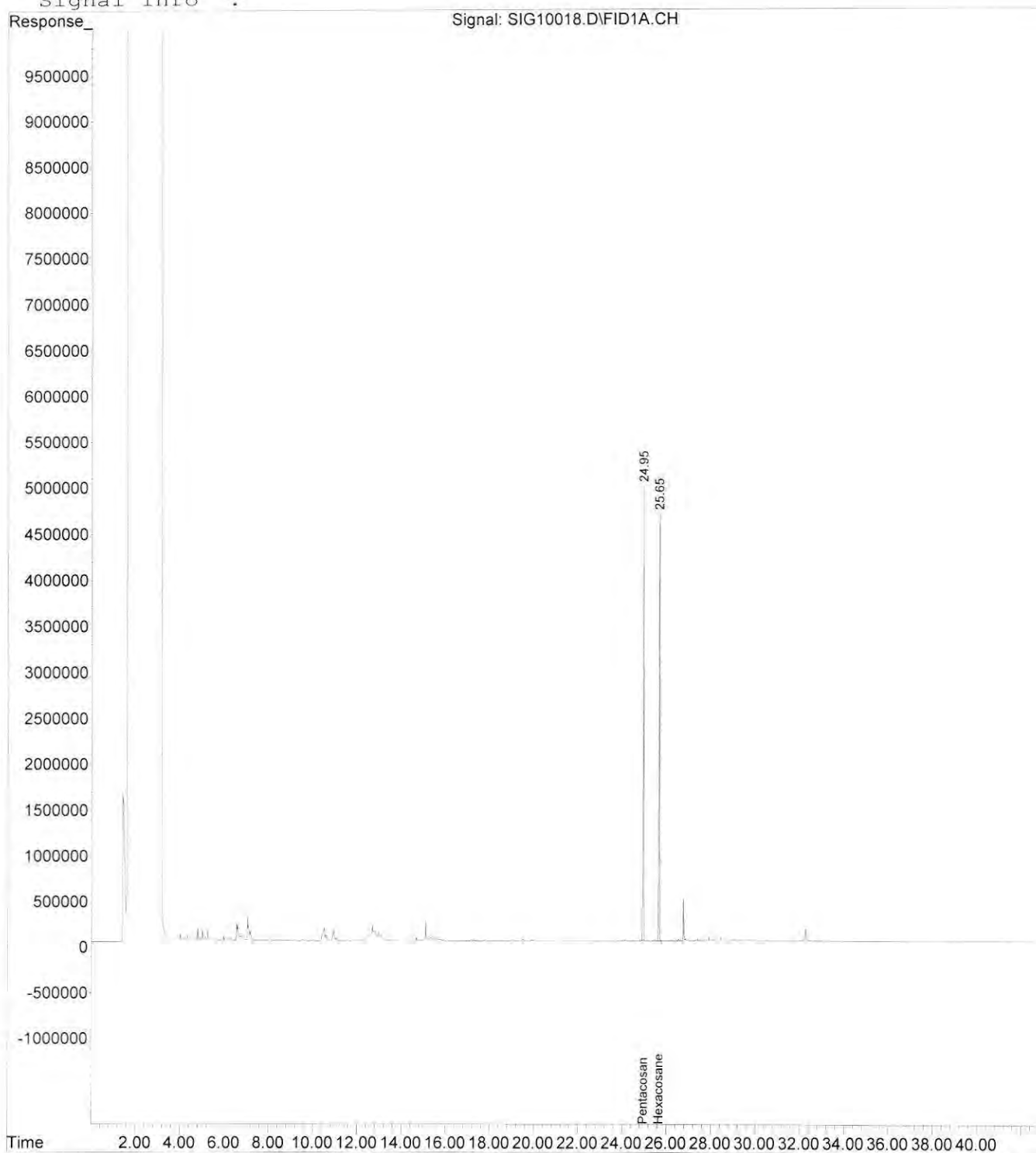
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	93271362	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	87596386	48.312 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 96.62%
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

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10018.D Vial: 16
Acq On : 04 Mar 2021 2:10 Operator: ARC
Sample : WBB0617-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:29 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10019.D Vial: 17
Acq On : 04 Mar 2021 3:04 Operator: ARC
Sample : WBB0617-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:01:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

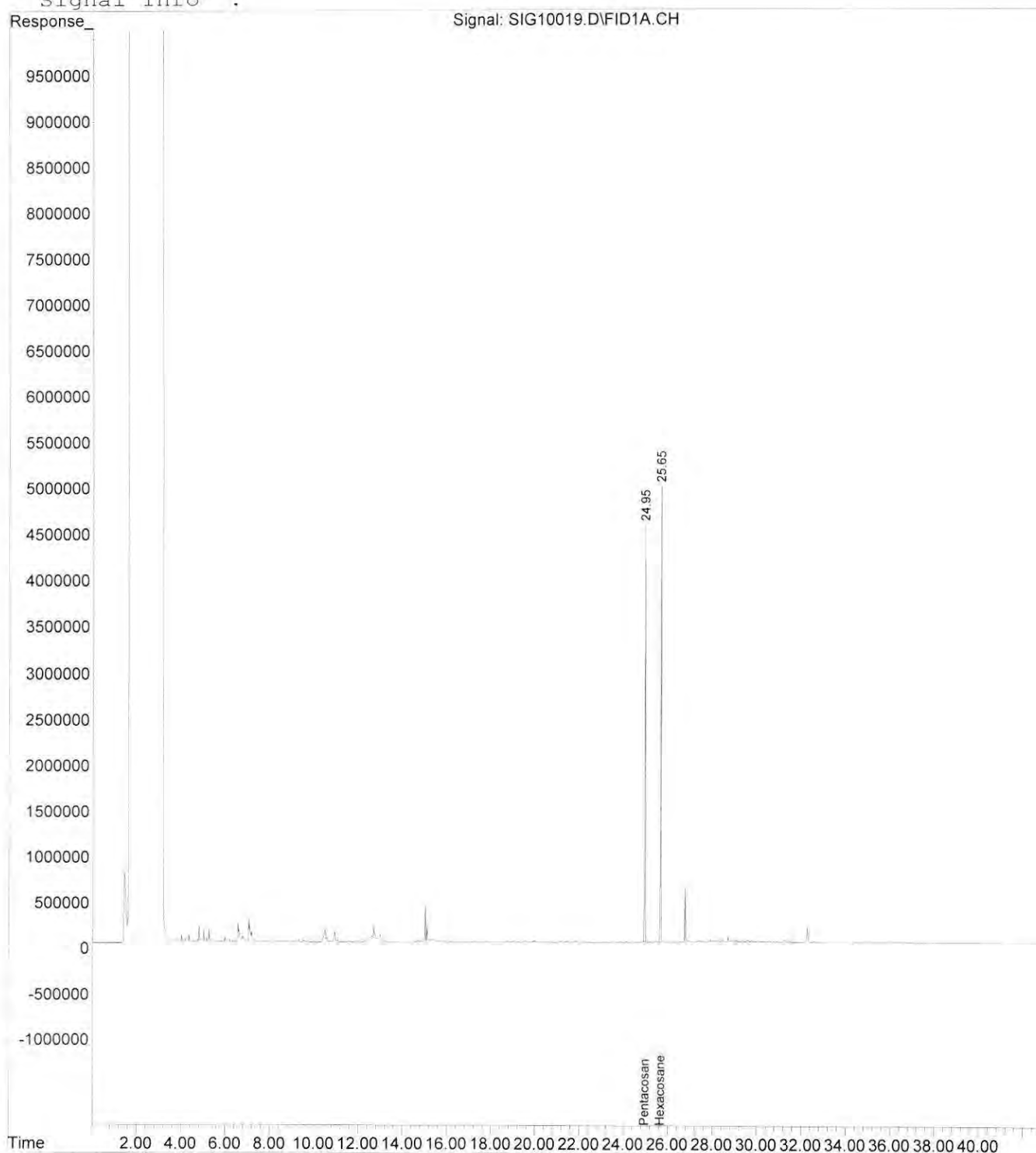
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	91145445	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	86476619	48.807 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 97.61%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10019.D Vial: 17
Acq On : 04 Mar 2021 3:04 Operator: ARC
Sample : WBB0617-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:29 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10020.D Vial: 18
Acq On : 04 Mar 2021 4:00 Operator: ARC
Sample : WBB0617-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:01:04 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

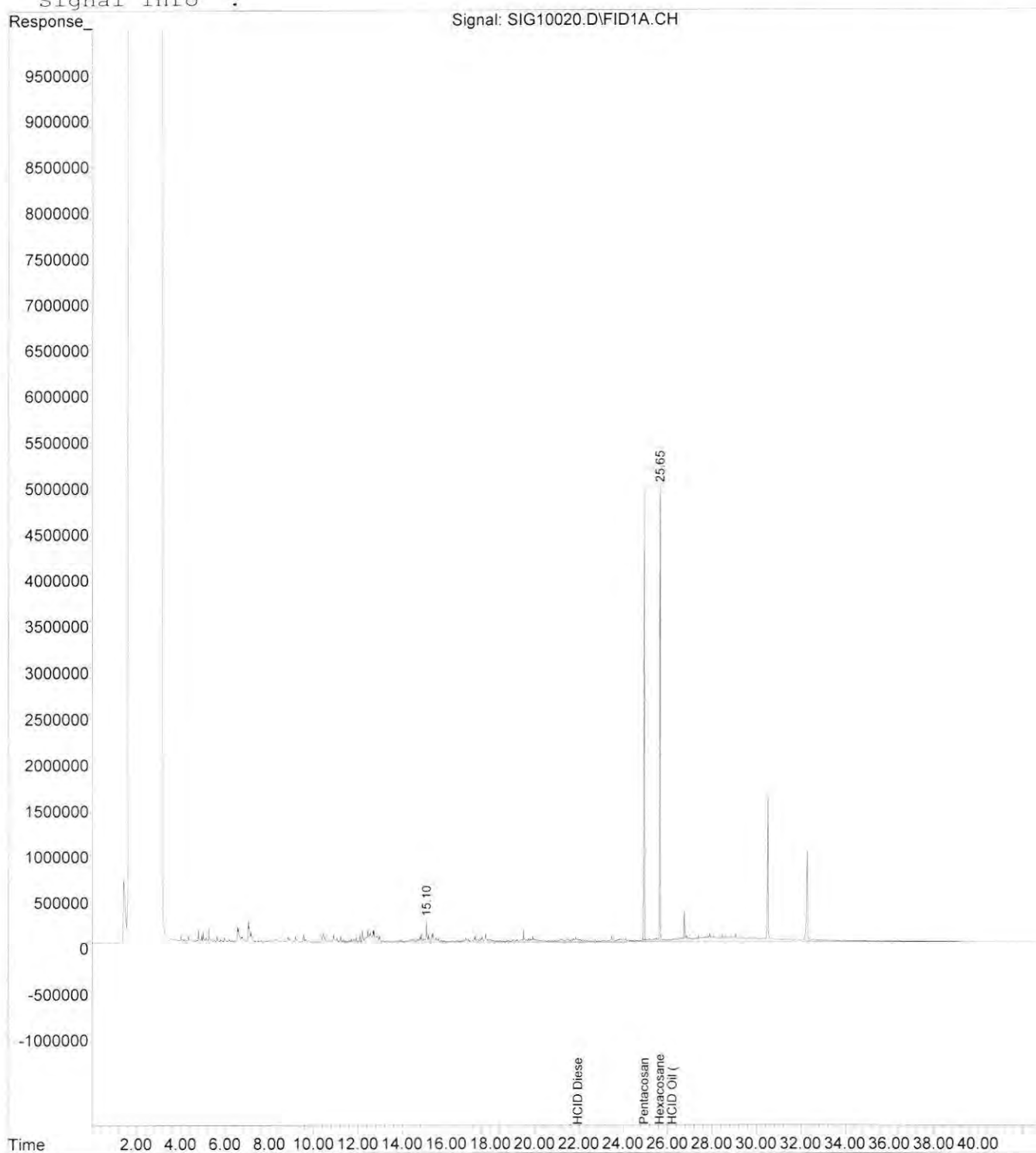
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	98017343	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	90781273	47.644 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 95.29%
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)	21.97	157870438	137.617	ppm
8) h HCID Oil (>C14)	26.20	235219748	271.529	ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10020.D Vial: 18
Acq On : 04 Mar 2021 4:00 Operator: ARC
Sample : WBB0617-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:31 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10021.D Vial: 19
Acq On : 04 Mar 2021 4:55 Operator: ARC
Sample : WBB0617-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 08:14:51 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

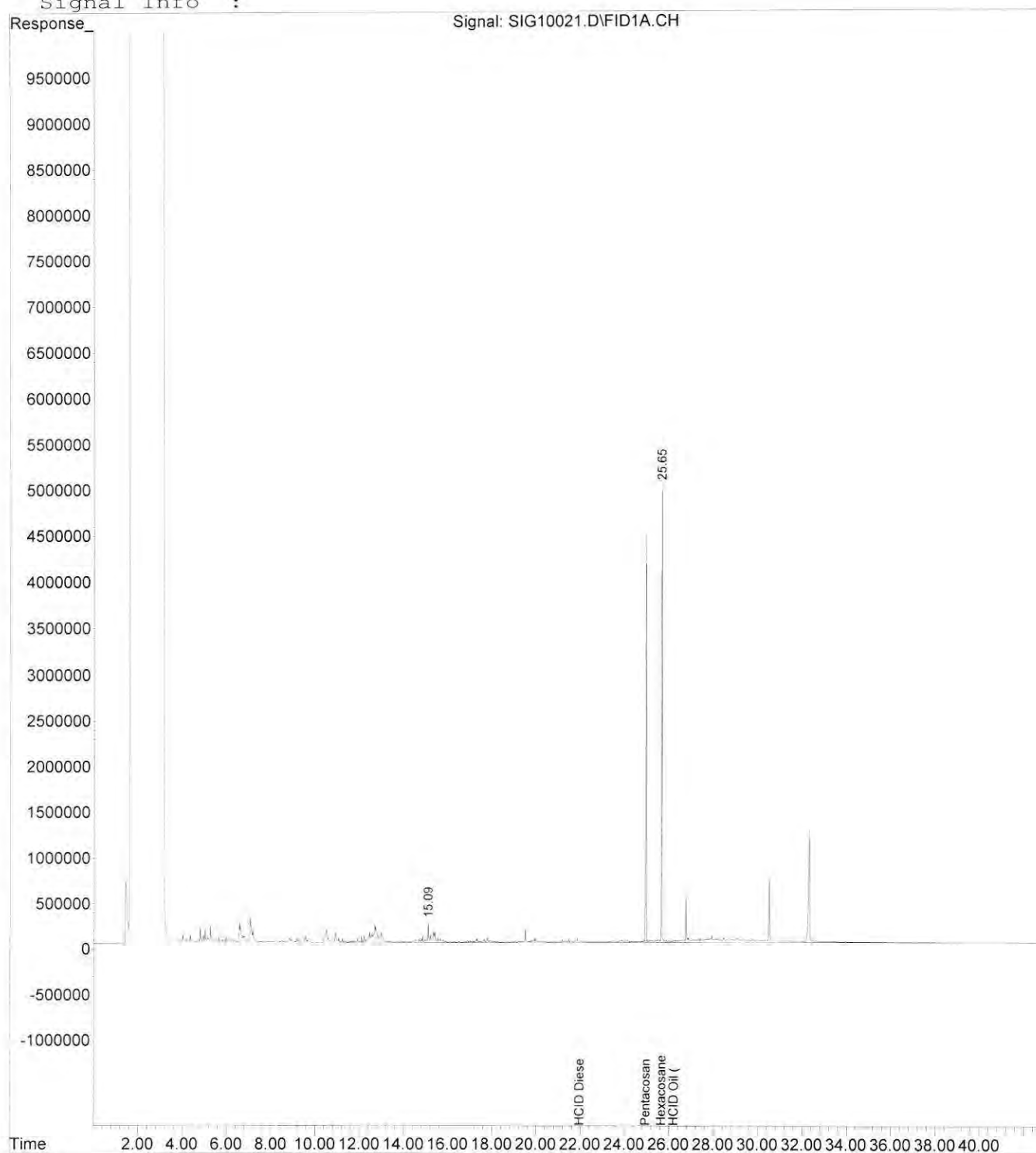
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	94369779	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	87664640	47.787 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 95.57%
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)	21.97	141186573	127.831 ppm	
8) h HCID Oil (>C14)	26.20	184621038	221.357 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10021.D Vial: 19
Acq On : 04 Mar 2021 4:55 Operator: ARC
Sample : WBB0617-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:31 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10022.D Vial: 20
 Acq On : 04 Mar 2021 5:49 Operator: ARC
 Sample : WBB0617-11 Inst : HP G1530A
 Misc : Multiplr: 1.00
 IntFile : EVENTS1.E
 Quant Time: Mar 04 08:14:52 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
 Title :
 Last Update : Tue Mar 02 09:08:48 2021
 Response via : Initial Calibration
 DataAcq Meth : DXHCID5.M

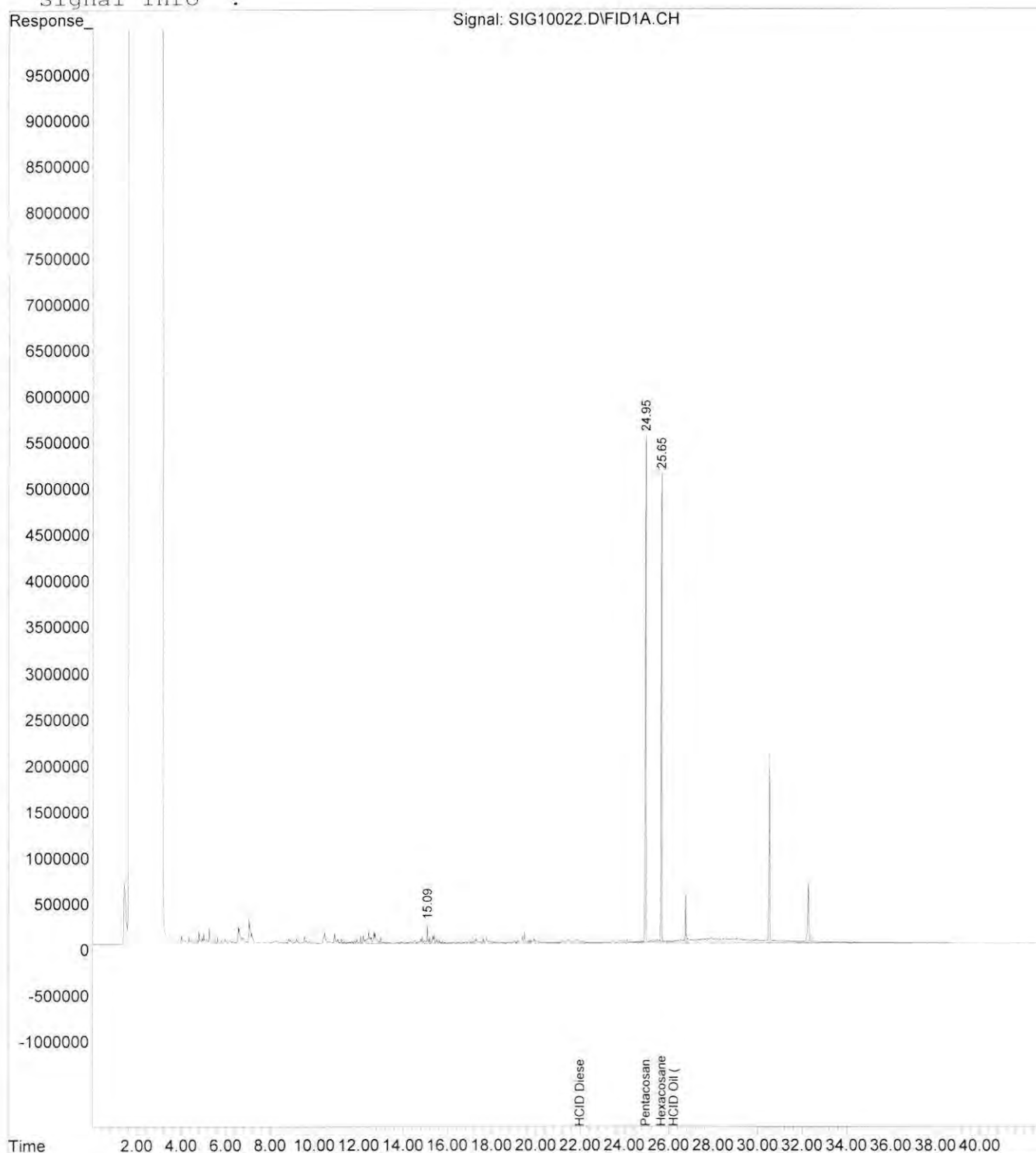
Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	24.95	116449194	50.000 ppm m
System Monitoring Compounds			
2) S Hexacosane	25.65	98668523	43.587 ppm m
Spiked Amount 50.000	Range 50 - 150	Recovery =	87.17%
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)	21.97	137889185	101.174 ppm
8) h HCID Oil (>C14)	26.20	211445619	205.451 ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10022.D Vial: 20
Acq On : 04 Mar 2021 5:49 Operator: ARC
Sample : WBB0617-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 8:32 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10029.D Vial: 21
Acq On : 04 Mar 2021 12:21 Operator: ARC
Sample : WBB0617-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 13:05:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

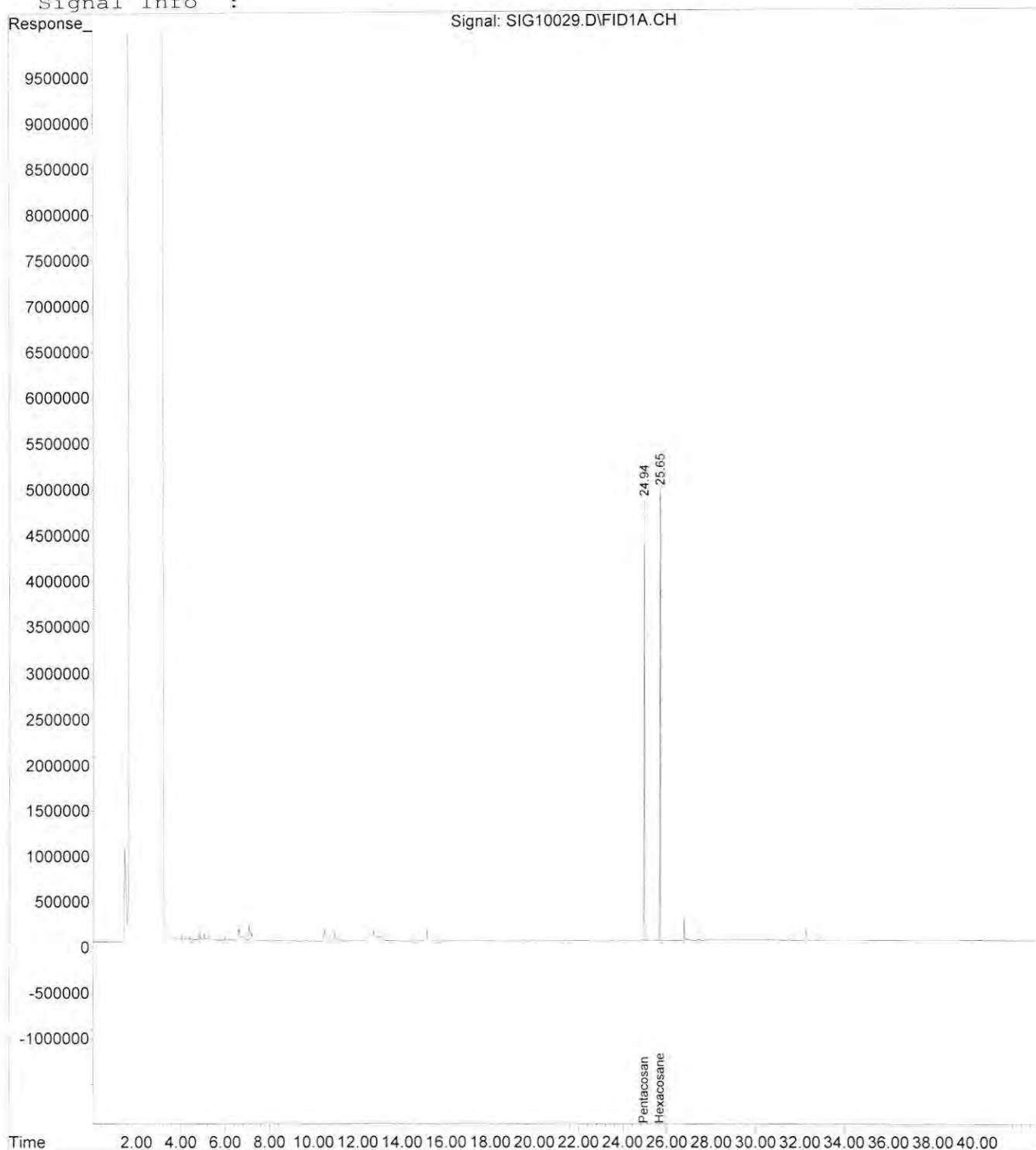
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	94243818	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	88177684	48.131 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 96.26%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10029.D Vial: 21
Acq On : 04 Mar 2021 12:21 Operator: ARC
Sample : WBB0617-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 13:05 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10030.D Vial: 22
Acq On : 04 Mar 2021 13:17 Operator: ARC
Sample : WBB0617-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 14:02:55 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

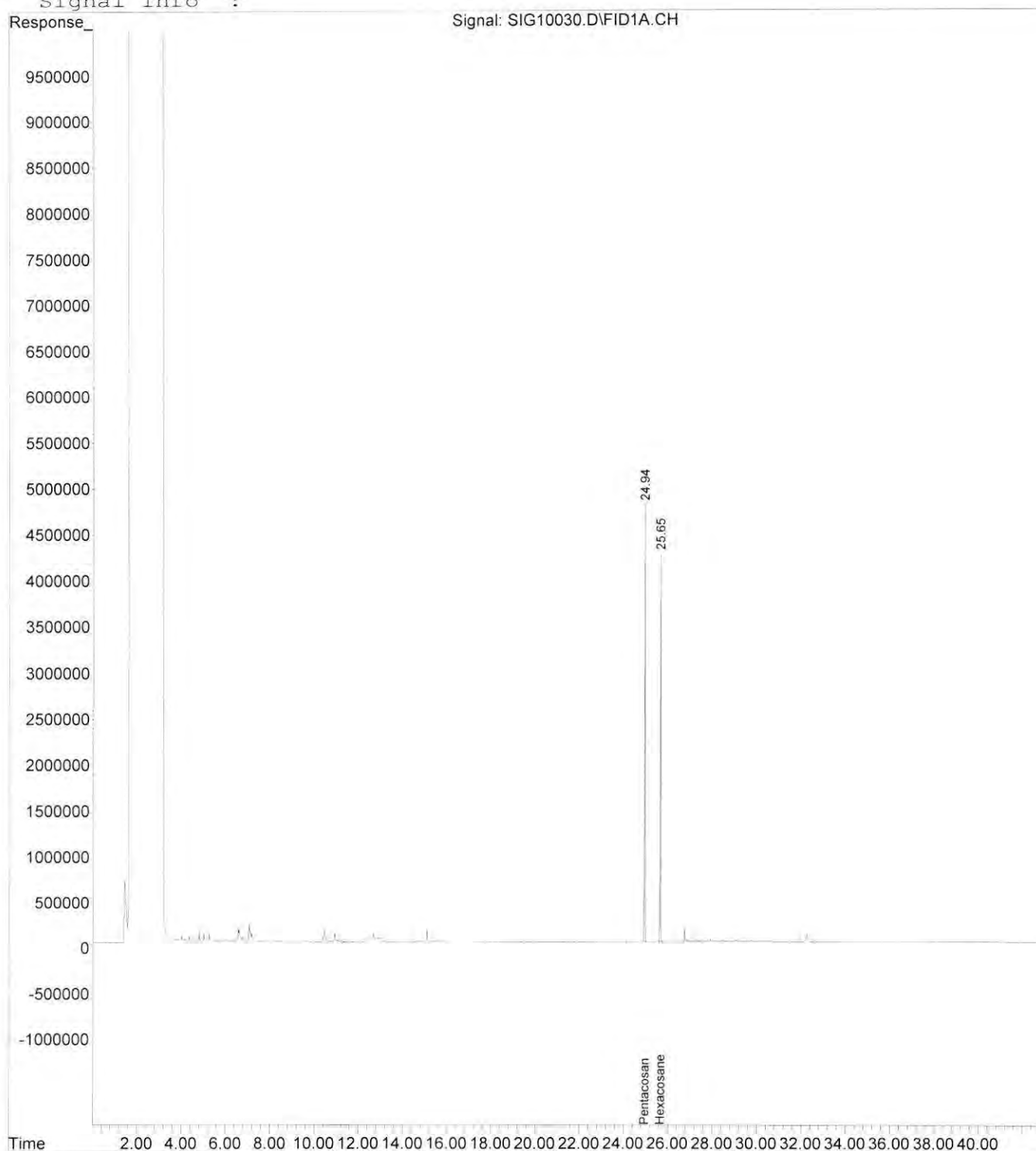
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	89414365	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65f	72778010	41.871 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 83.74%
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

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10030.D Vial: 22
Acq On : 04 Mar 2021 13:17 Operator: ARC
Sample : WBB0617-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 14:03 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10031.D Vial: 23
Acq On : 04 Mar 2021 14:14 Operator: ARC
Sample : WBB0617-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 15:27:15 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

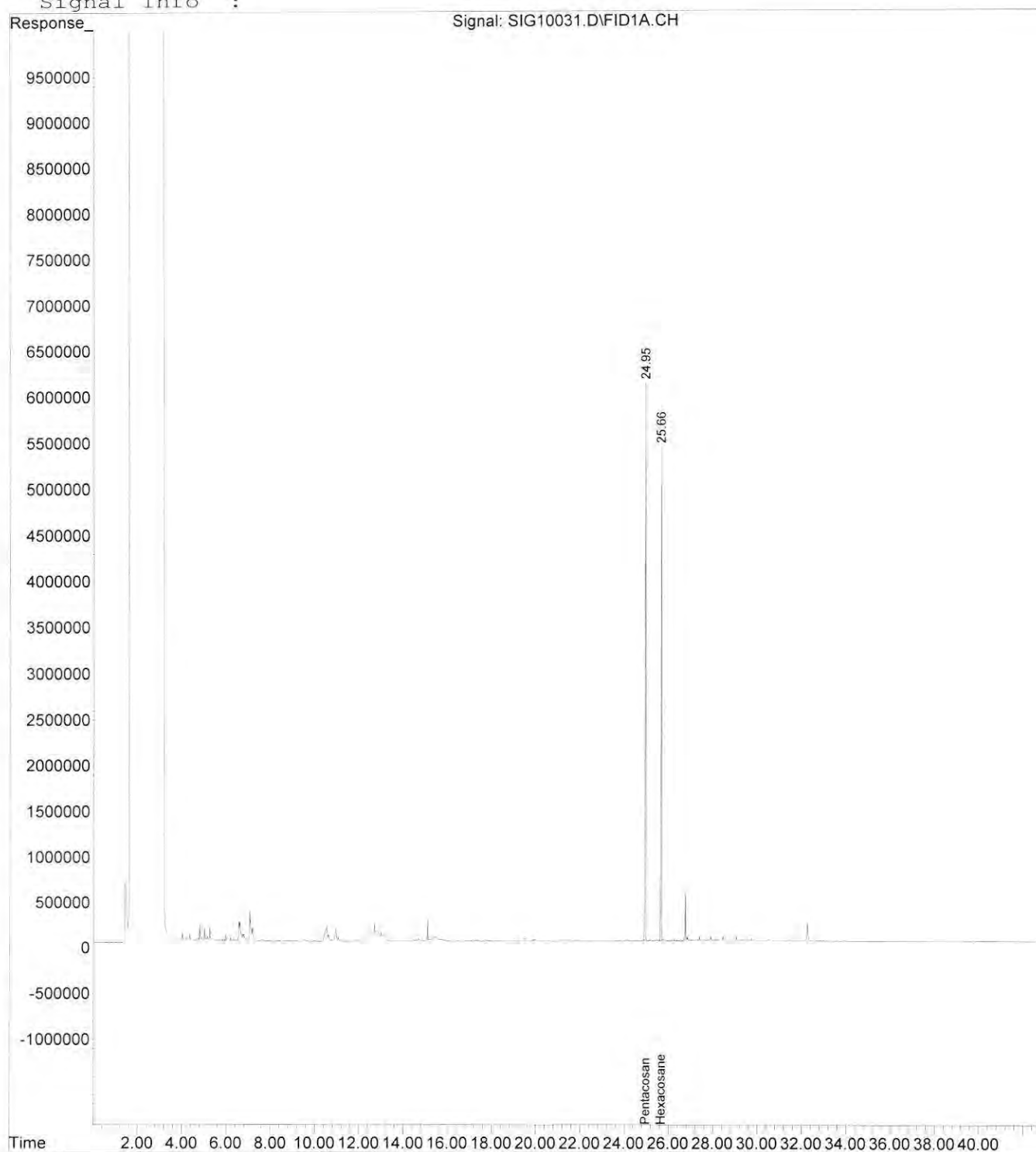
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	128412718	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	106806143	42.786 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 85.57%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10031.D Vial: 23
Acq On : 04 Mar 2021 14:14 Operator: ARC
Sample : WBB0617-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 15:27 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10032.D Vial: 24
Acq On : 04 Mar 2021 15:11 Operator: ARC
Sample : WBB0617-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 04 15:57:30 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

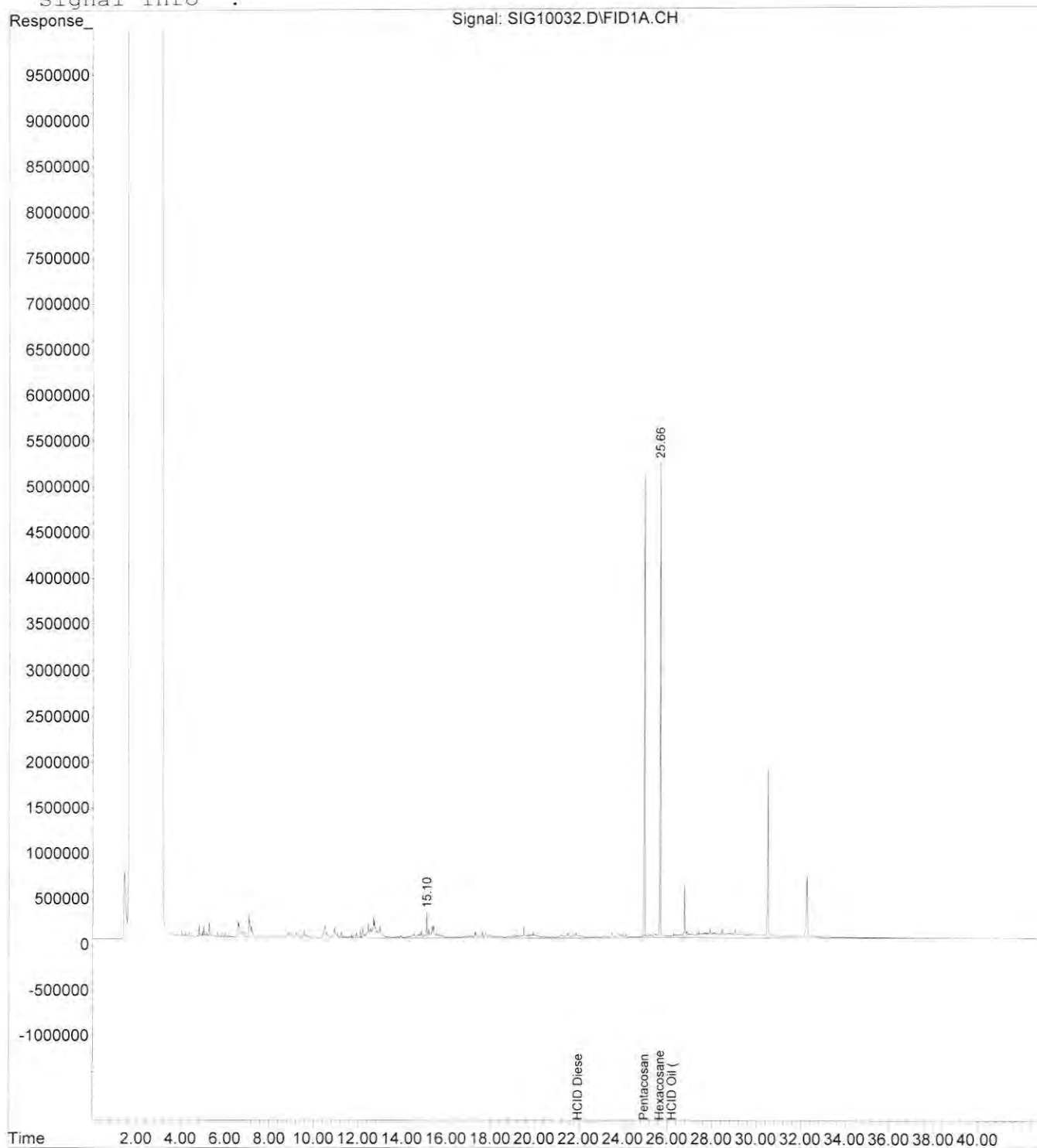
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	105330336	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	98441648	48.077 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 96.15%
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)	21.97	183373840	148.751 ppm	
8) h HCID Oil (>C14)	26.20	238498056	256.198 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10032.D Vial: 24
Acq On : 04 Mar 2021 15:11 Operator: ARC
Sample : WBB0617-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 4 15:57 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10033.D Vial: 25
Acq On : 04 Mar 2021 16:08 Operator: ARC
Sample : WBB0617-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:45 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

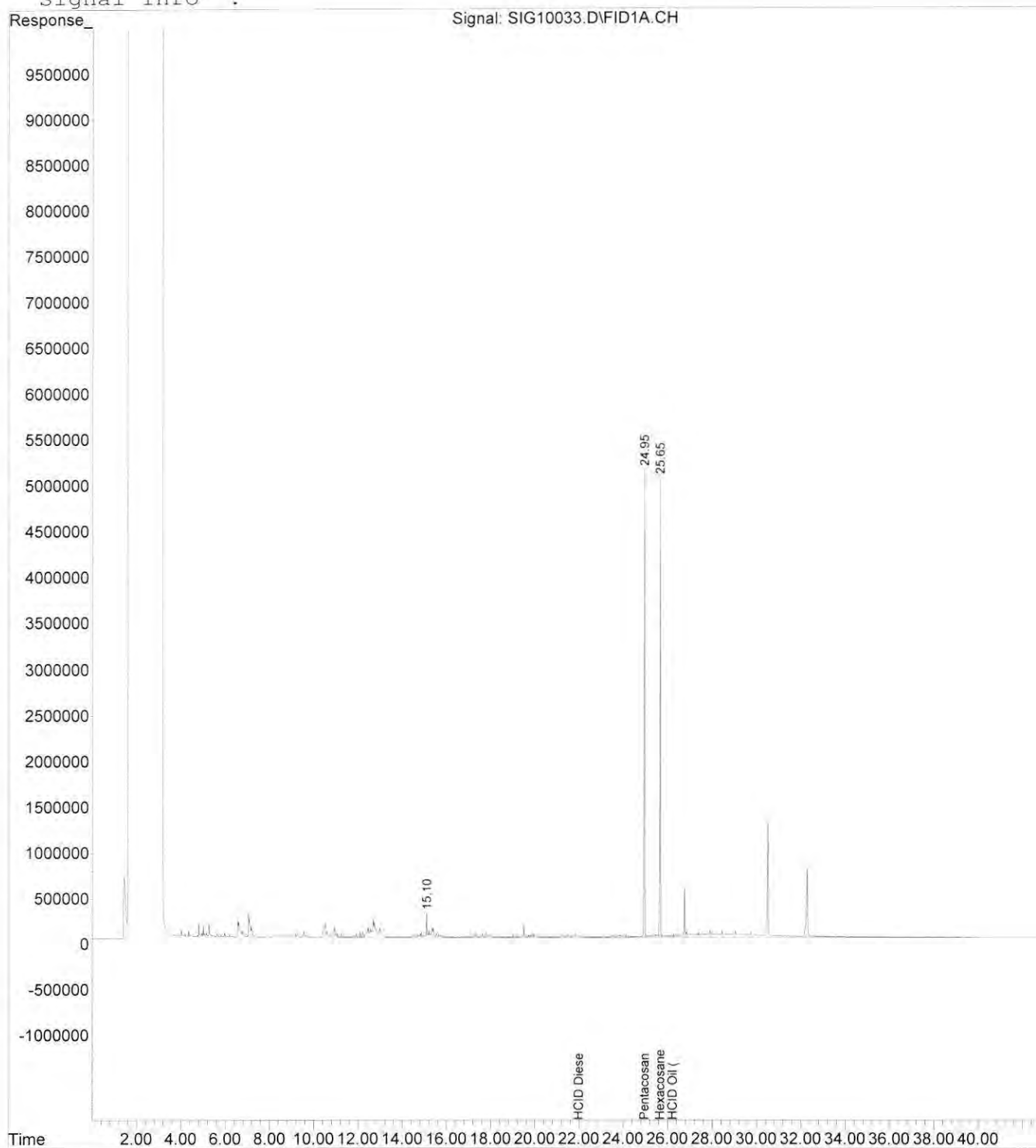
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	102417237	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	87724414	44.062 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 88.12%
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)	21.97	150160576	125.273 ppm	
8) h HCID Oil (>C14)	26.20	187069009	206.668 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10033.D Vial: 25
Acq On : 04 Mar 2021 16:08 Operator: ARC
Sample : WBB0617-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:56 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10034.D Vial: 26
Acq On : 04 Mar 2021 17:05 Operator: ARC
Sample : WBB0617-17 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:46 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

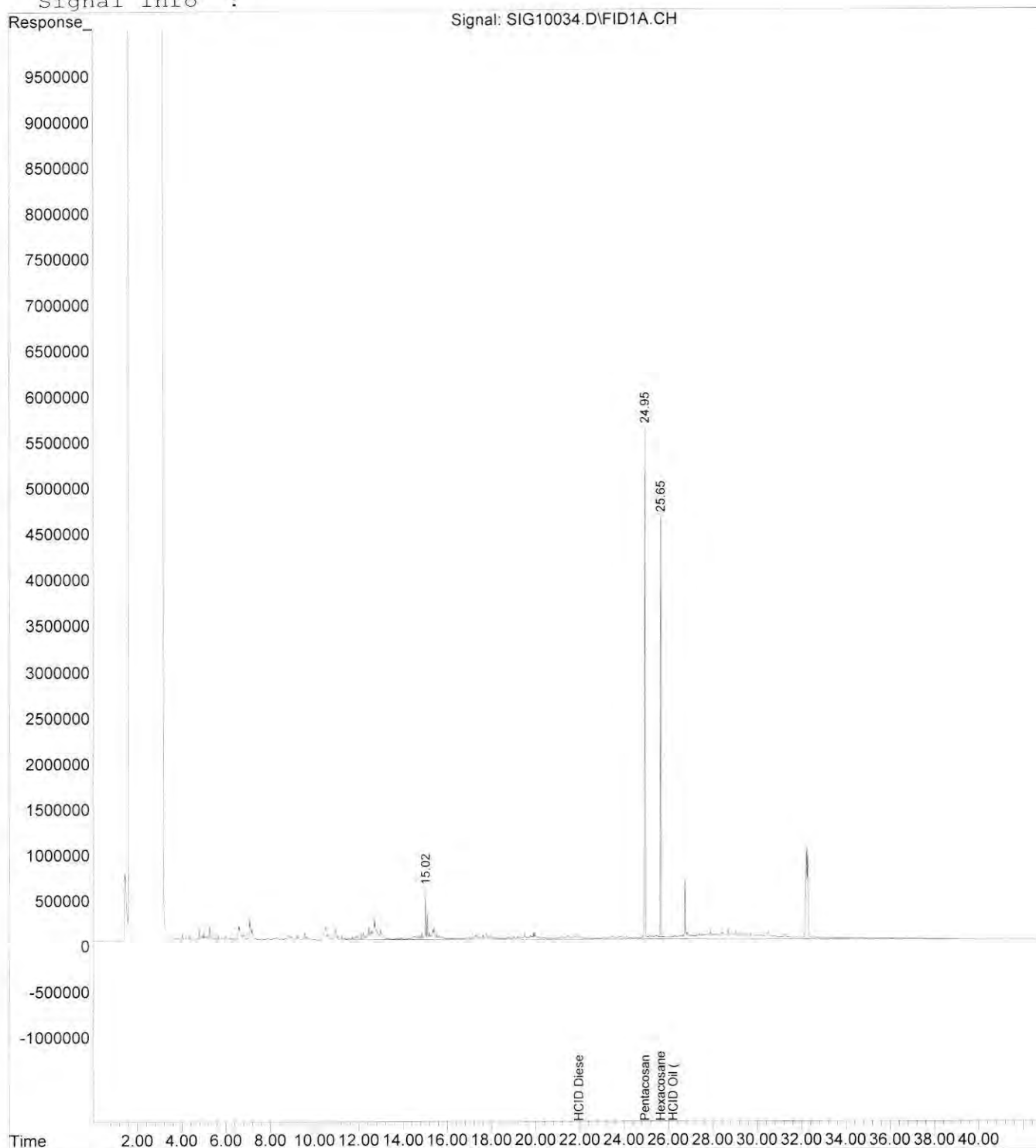
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	109744493	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	87866813	41.187 ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery = 82.37%	
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)	21.97	201108796	156.575 ppm	
8) h HCID Oil (>C14)	26.20	246864240	254.519 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10034.D Vial: 26
 Acq On : 04 Mar 2021 17:05 Operator: ARC
 Sample : WBB0617-17 Inst : HP G1530A
 Misc : Multiplr: 1.00
 IntFile : EVENTS1.E
 Quant Time: Mar 5 7:56 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
 Title :
 Last Update : Tue Mar 02 09:08:48 2021
 Response via : Multiple Level Calibration
 DataAcq Meth : DXHCID5.M

Volume Inj. :
 Signal Phase :
 Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10035.D Vial: 27
Acq On : 04 Mar 2021 18:01 Operator: ARC
Sample : WBB0617-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:47 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

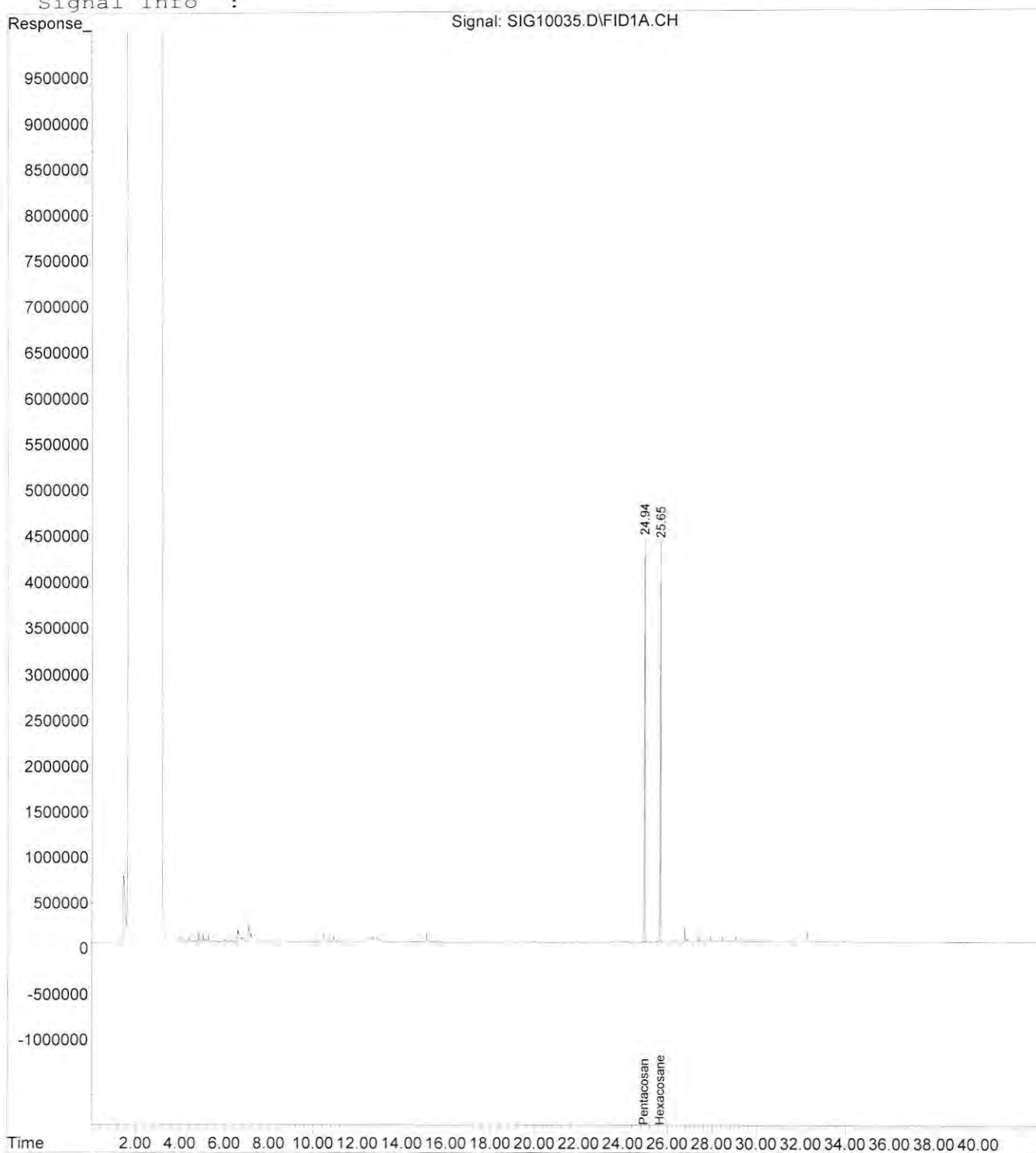
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	91096157	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	82564443	46.624 ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery = 93.25%	
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 : W:\HPCHEM\1\2021DATA\030321\SIG10035.D Vial: 27
Acq On : 04 Mar 2021 18:01 Operator: ARC
Sample : WBB0617-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:57 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10036.D Vial: 28
Acq On : 04 Mar 2021 18:57 Operator: ARC
Sample : WBB0617-19 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:48 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

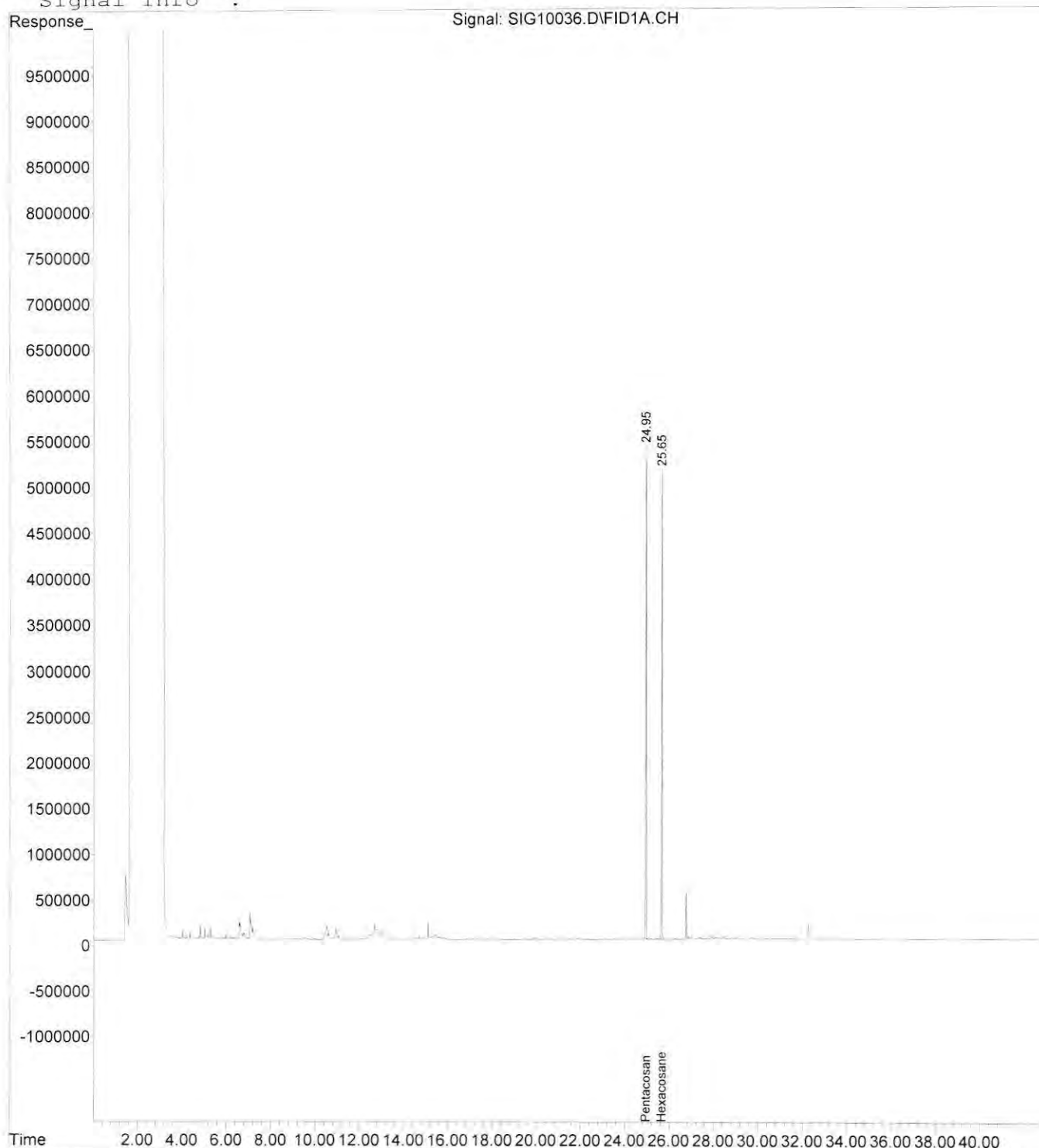
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	115526839	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	104379569	46.478 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 92.96%
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

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10036.D Vial: 28
Acq On : 04 Mar 2021 18:57 Operator: ARC
Sample : WBB0617-19 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 9:02 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10037.D Vial: 29
Acq On : 04 Mar 2021 19:52 Operator: ARC
Sample : BBB0734-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:49 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

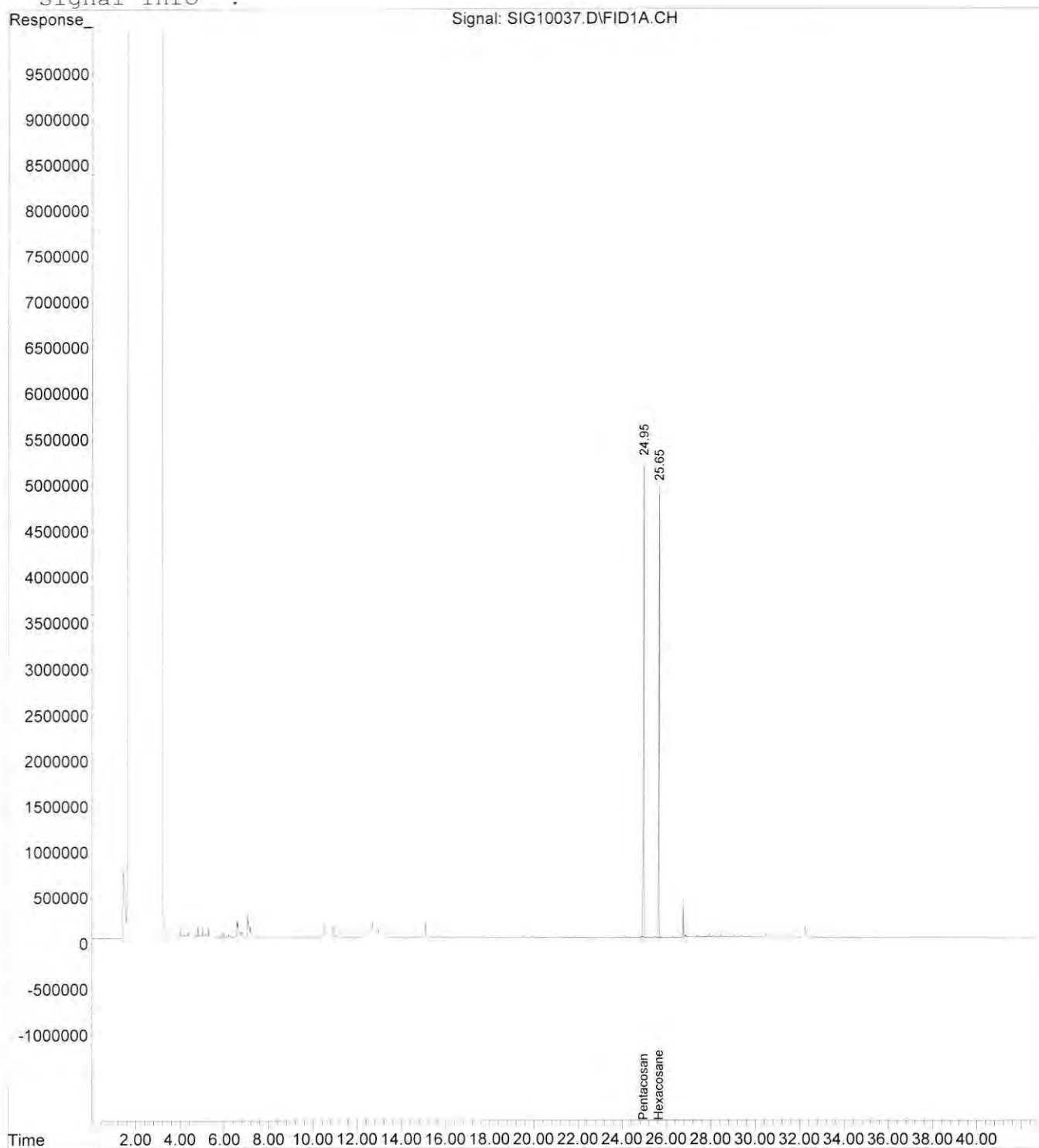
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	24.95	108911736	50.000 ppm m
System Monitoring Compounds			
2) S Hexacosane	25.65	95543019	45.127 ppm m
Spiked Amount 50.000	Range 50 - 150	Recovery =	90.25%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10037.D Vial: 29
Acq On : 04 Mar 2021 19:52 Operator: ARC
Sample : BBB0734-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:57 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10038.D Vial: 30
Acq On : 04 Mar 2021 20:47 Operator: ARC
Sample : BBB0734-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:50 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

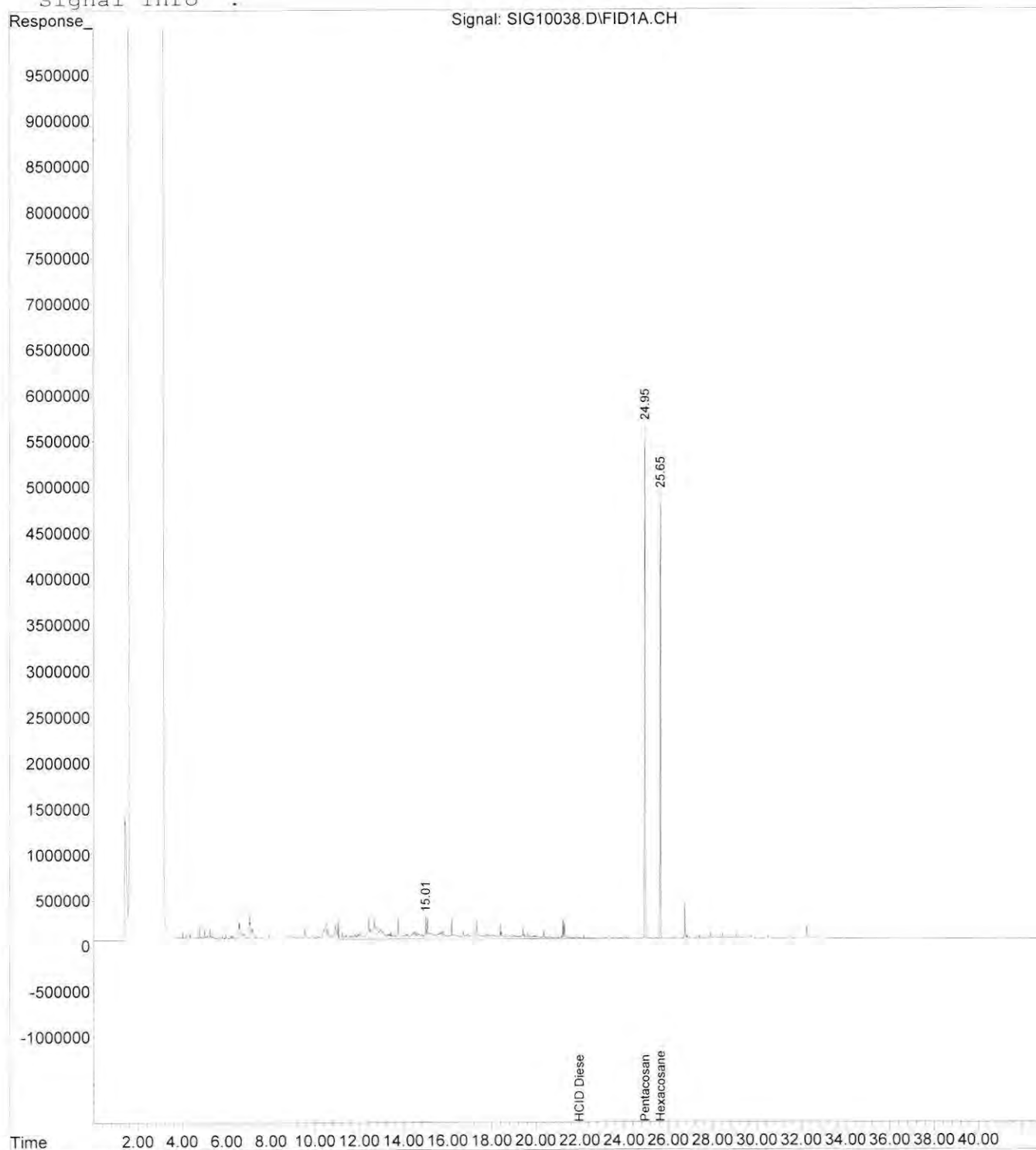
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	24.95	122394431	50.000 ppm m
System Monitoring Compounds			
2) S Hexacosane	25.65	93118267	39.137 ppm m
Spiked Amount 50.000	Range 50 - 150	Recovery =	78.27%
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)	21.97	280343923	195.706 ppm
8) h HCID Oil (>C14)	0.00	0	N.D. ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10038.D Vial: 30
Acq On : 04 Mar 2021 20:47 Operator: ARC
Sample : BBB0734-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:58 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10039.D Vial: 31
 Acq On : 04 Mar 2021 21:43 Operator: ARC
 Sample : WBB0617-20 Inst : HP G1530A
 Misc : Multiplr: 1.00
 IntFile : EVENTS1.E
 Quant Time: Mar 05 07:54:51 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
 Title :
 Last Update : Tue Mar 02 09:08:48 2021
 Response via : Initial Calibration
 DataAcq Meth : DXHCID5.M

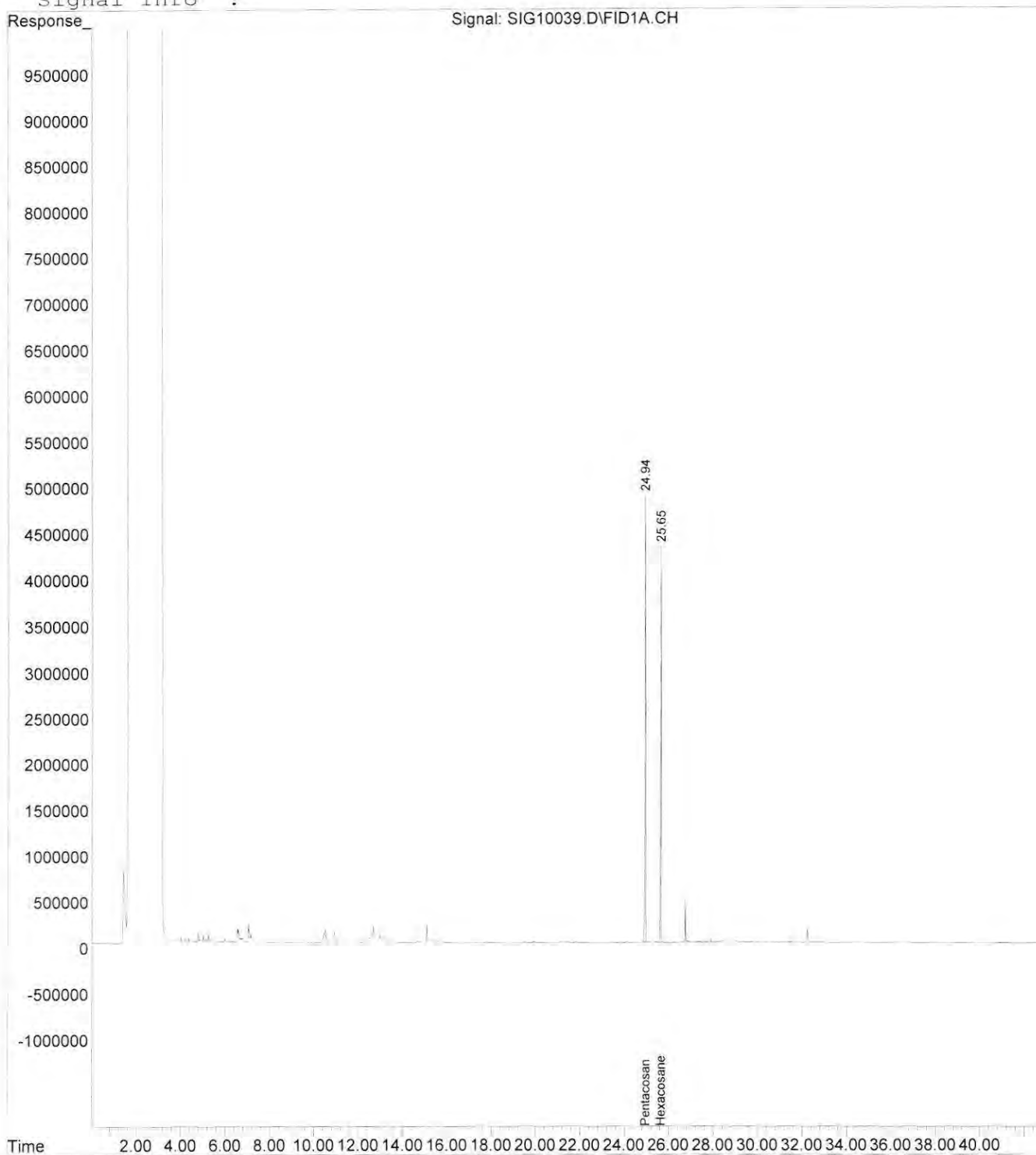
Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	103798109	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65f	76987078	38.154 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 76.31%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10039.D Vial: 31
Acq On : 04 Mar 2021 21:43 Operator: ARC
Sample : WBB0617-20 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:59 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10040.D Vial: 32
Acq On : 04 Mar 2021 22:38 Operator: ARC
Sample : WBB0617-21 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:54:52 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

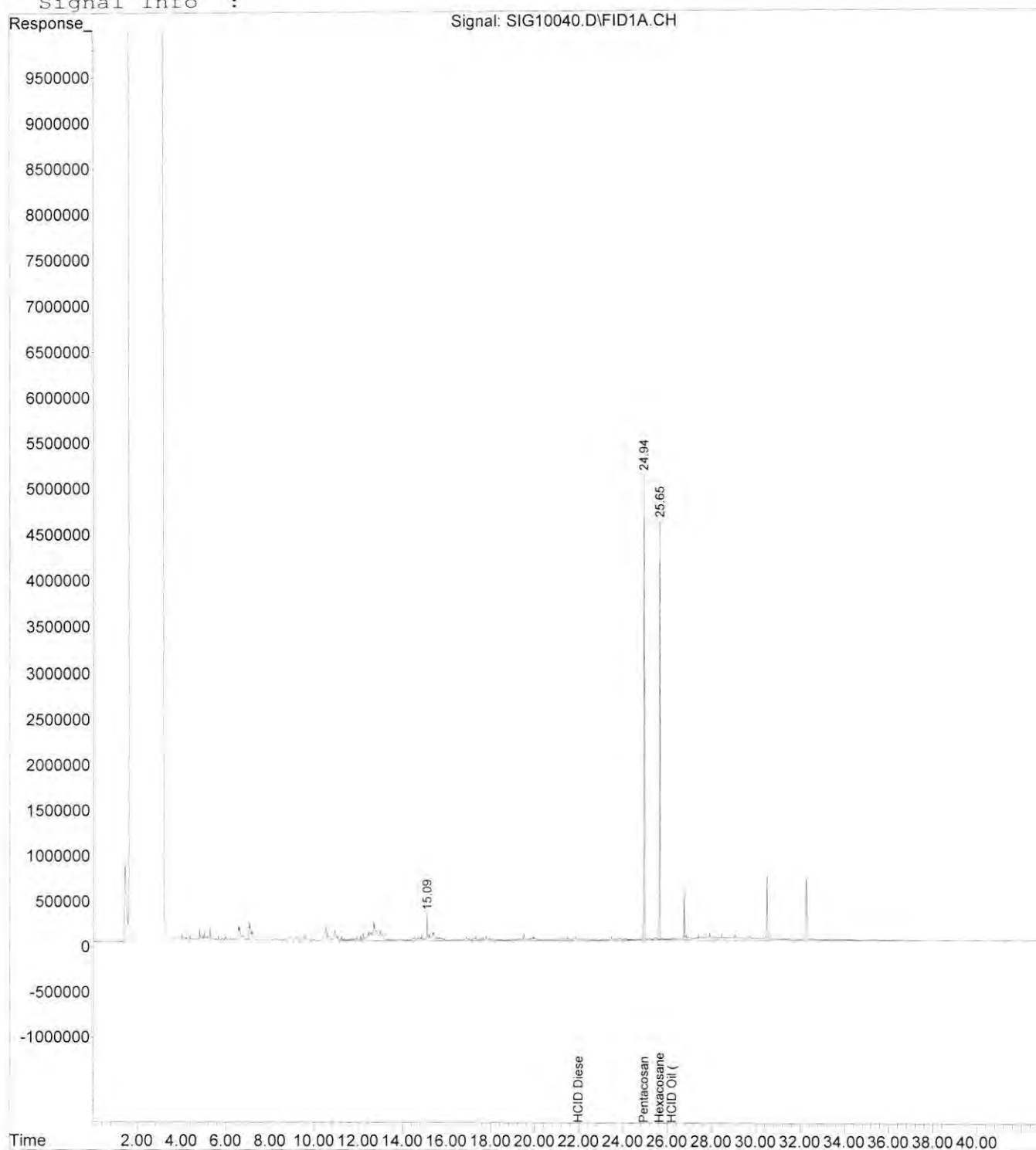
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	102987784	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65f	84602151	42.258 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 84.52%
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)	21.97	148861859	123.502 ppm	
8) h HCID Oil (>C14)	26.20	156822226	172.293 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10040.D Vial: 32
Acq On : 04 Mar 2021 22:38 Operator: ARC
Sample : WBB0617-21 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 7:59 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10046.D Vial: 33
Acq On : 05 Mar 2021 4:08 Operator: ARC
Sample : WBB0617-22 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:55:13 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

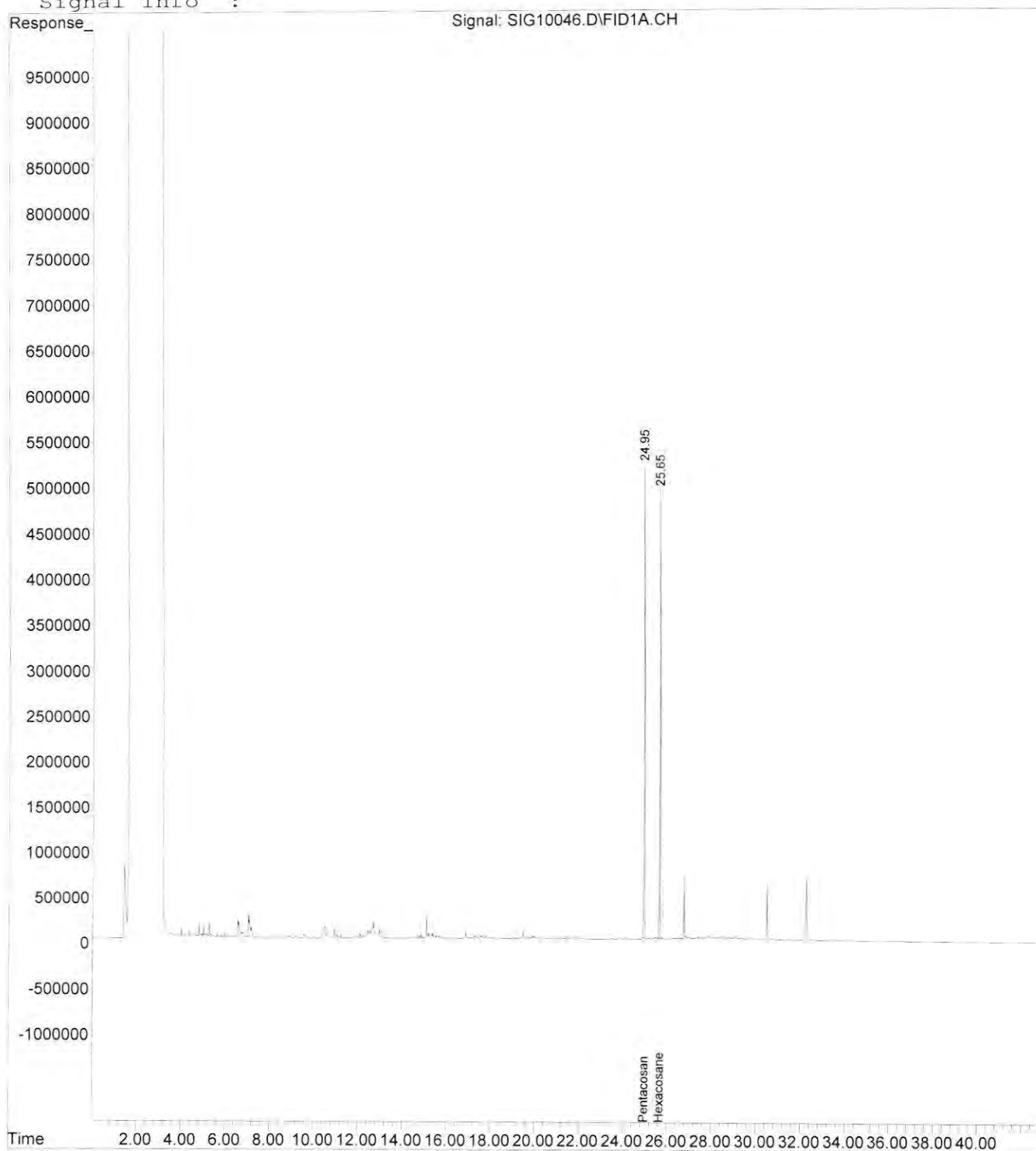
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	114743355	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	89264714	40.019 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 80.04%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10046.D Vial: 33
Acq On : 05 Mar 2021 4:08 Operator: ARC
Sample : WBB0617-22 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 8:07 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10047.D Vial: 34
Acq On : 05 Mar 2021 5:03 Operator: ARC
Sample : BBB0734-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 07:55:14 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

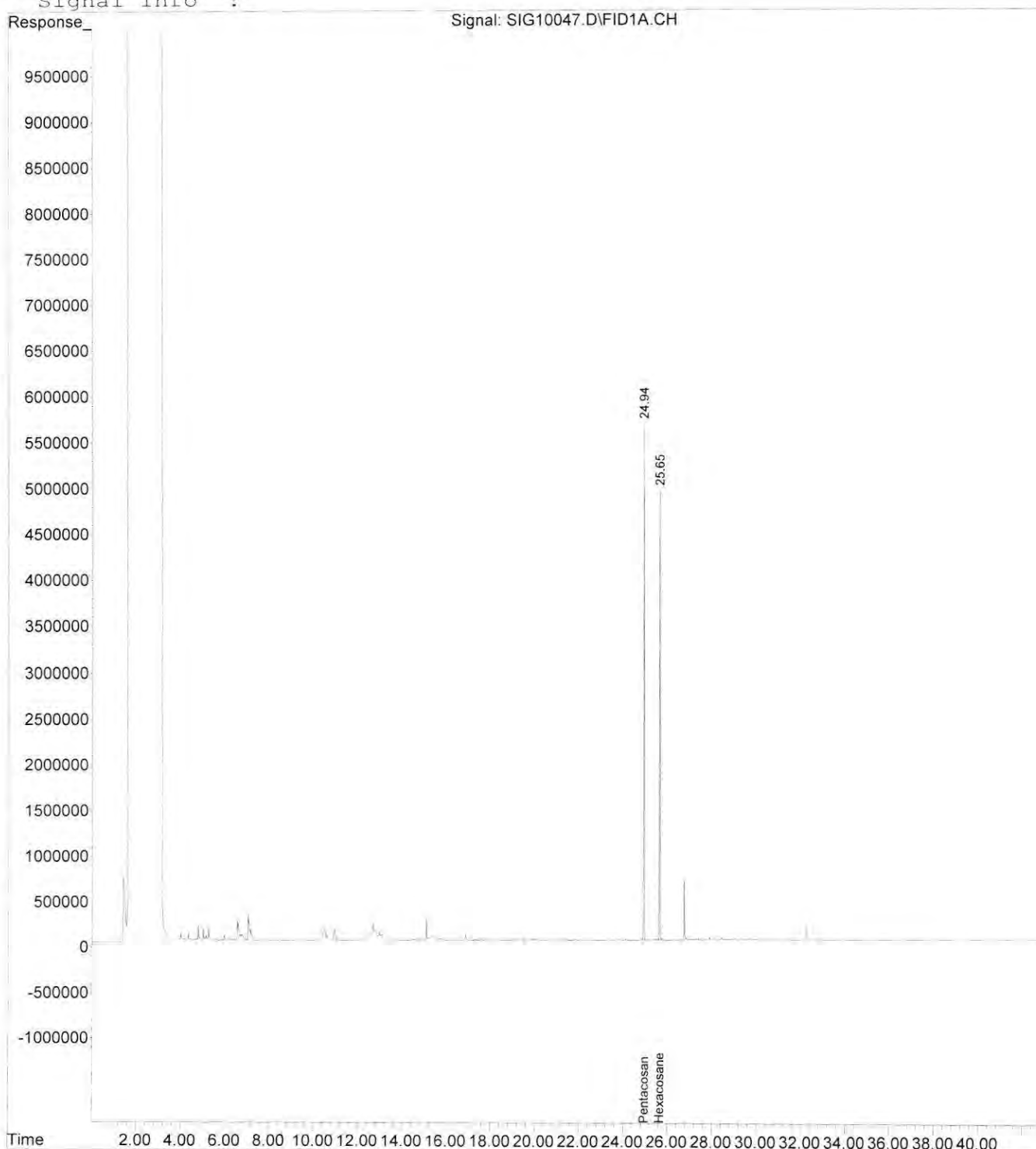
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	105410658	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65f	93230800	45.498 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 91.00%
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 : W:\HPCHEM\1\2021DATA\030321\SIG10047.D Vial: 34
Acq On : 05 Mar 2021 5:03 Operator: ARC
Sample : BBB0734-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 8:07 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10048.D Vial: 35
Acq On : 05 Mar 2021 5:58 Operator: ARC
Sample : WBB0617-23 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 08:07:51 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

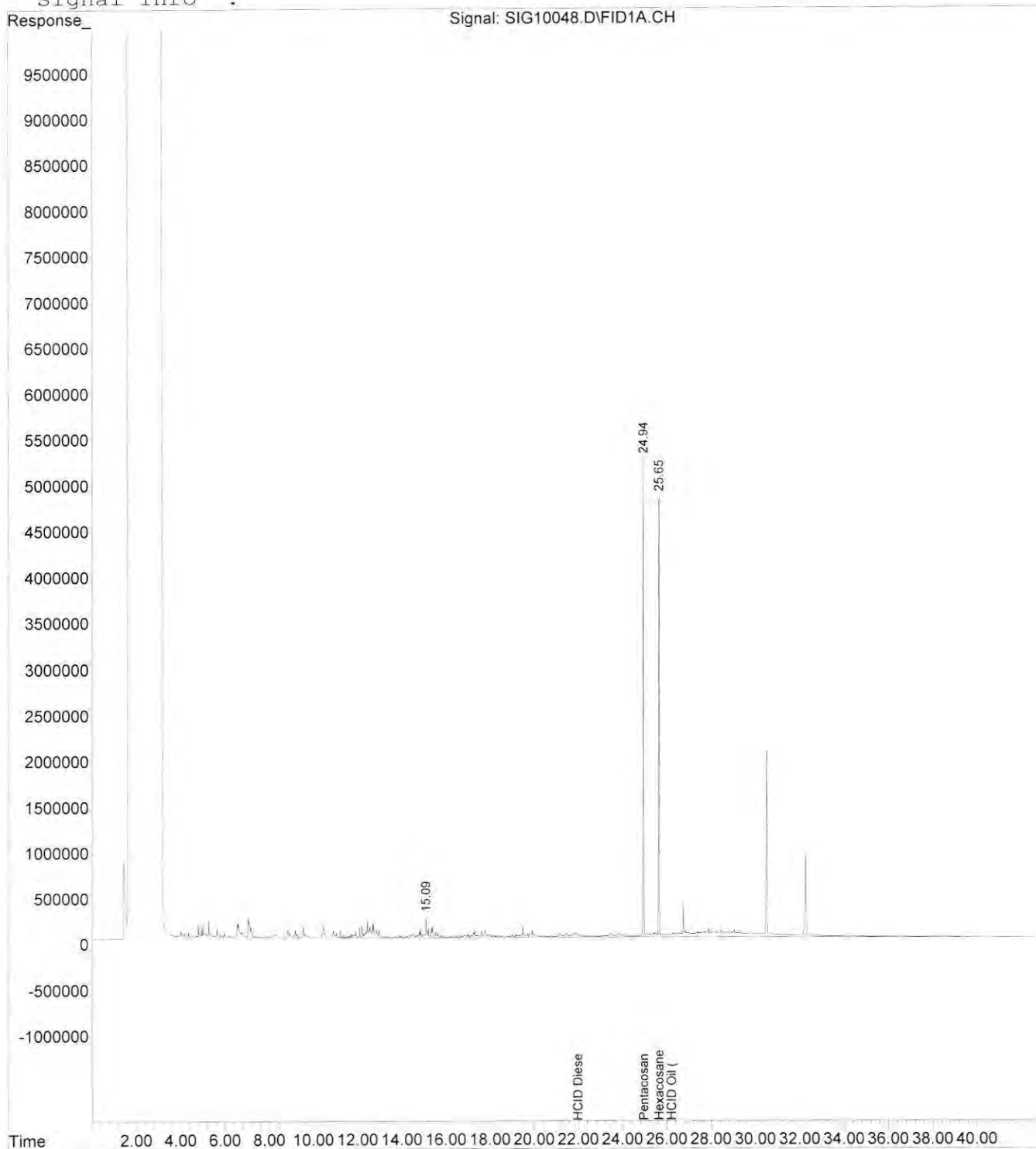
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	104990200	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	91191582	44.681 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 89.36%
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)	21.97	163079072	132.716 ppm	
8) h HCID Oil (>C14)	26.20	261665848	281.996 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10048.D Vial: 35
Acq On : 05 Mar 2021 5:58 Operator: ARC
Sample : WBB0617-23 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 8:09 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10049.D Vial: 36
Acq On : 05 Mar 2021 6:53 Operator: ARC
Sample : BBB0734-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 08:07:52 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

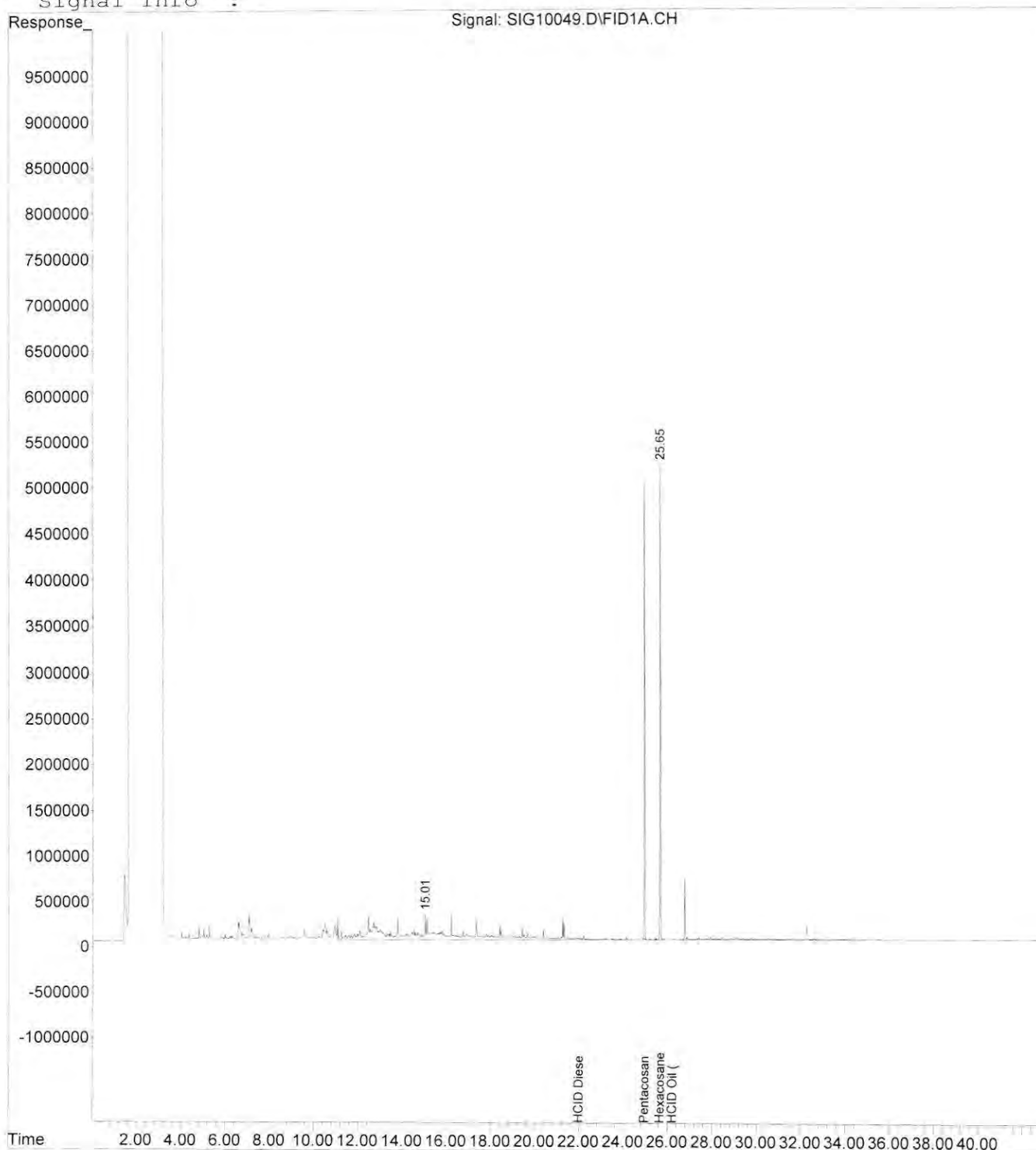
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I Pentacosane	24.94	105563618	50.000 ppm m
System Monitoring Compounds			
2) S Hexacosane	25.65	93198666	45.416 ppm m
Spiked Amount 50.000	Range 50 - 150	Recovery =	90.83%
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)	21.97	313686399	253.896 ppm
8) h HCID Oil (>C14)	26.20	53403775	57.240 ppm

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10049.D Vial: 36
Acq On : 05 Mar 2021 6:53 Operator: ARC
Sample : BBB0734-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 8:10 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10050.D Vial: 37
Acq On : 05 Mar 2021 7:49 Operator: ARC
Sample : BBB0734-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 08:32:17 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

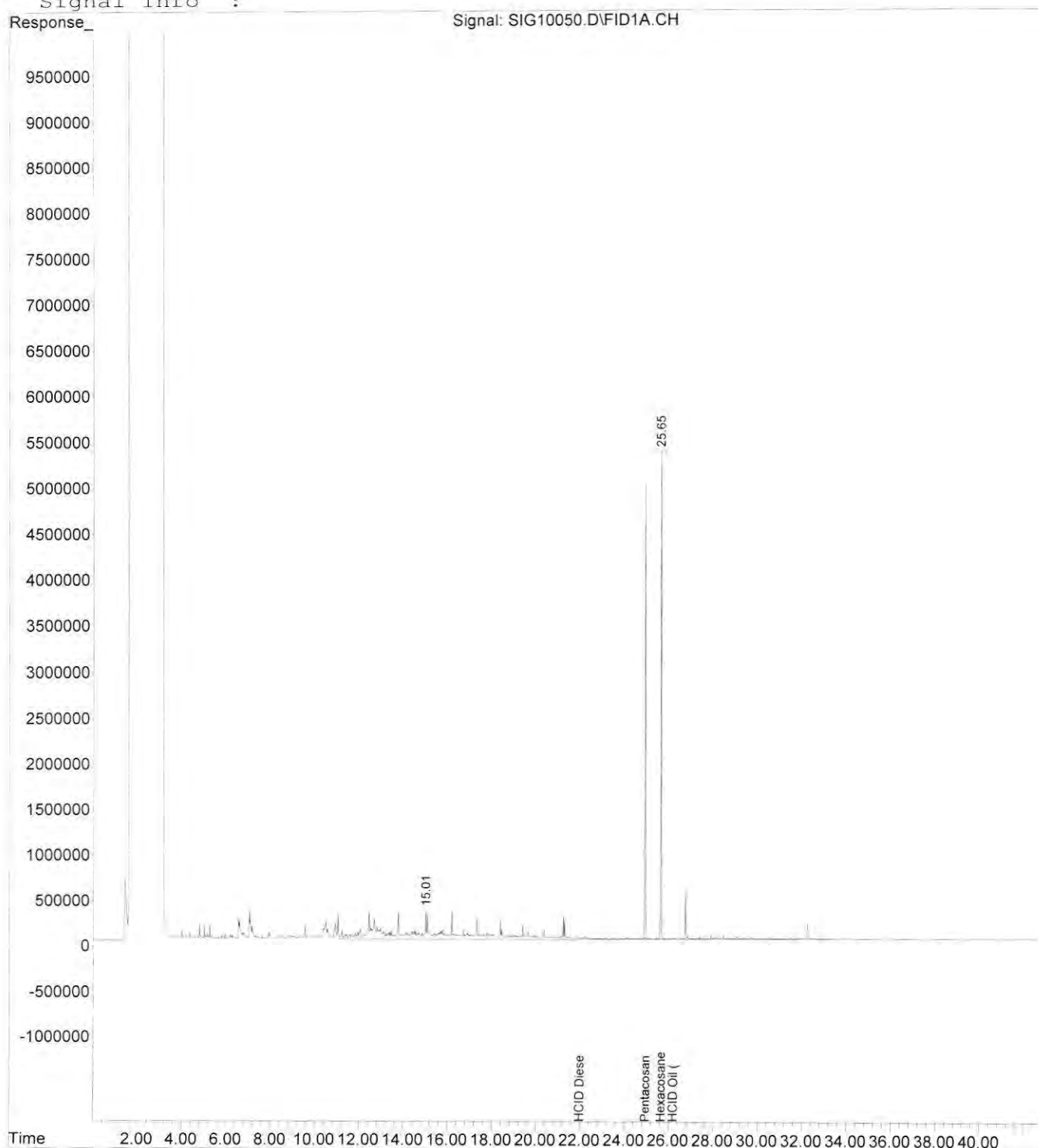
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.94	105451950	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	98442119	48.022 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 96.04%
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)	21.97	320581845	259.752 ppm	
8) h HCID Oil (>C14)	26.20	47776515	51.263 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10050.D Vial: 37
Acq On : 05 Mar 2021 7:49 Operator: ARC
Sample : BBB0734-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 8:32 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10052.D Vial: 38
Acq On : 05 Mar 2021 9:41 Operator: ARC
Sample : WBB0717-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 10:33:13 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

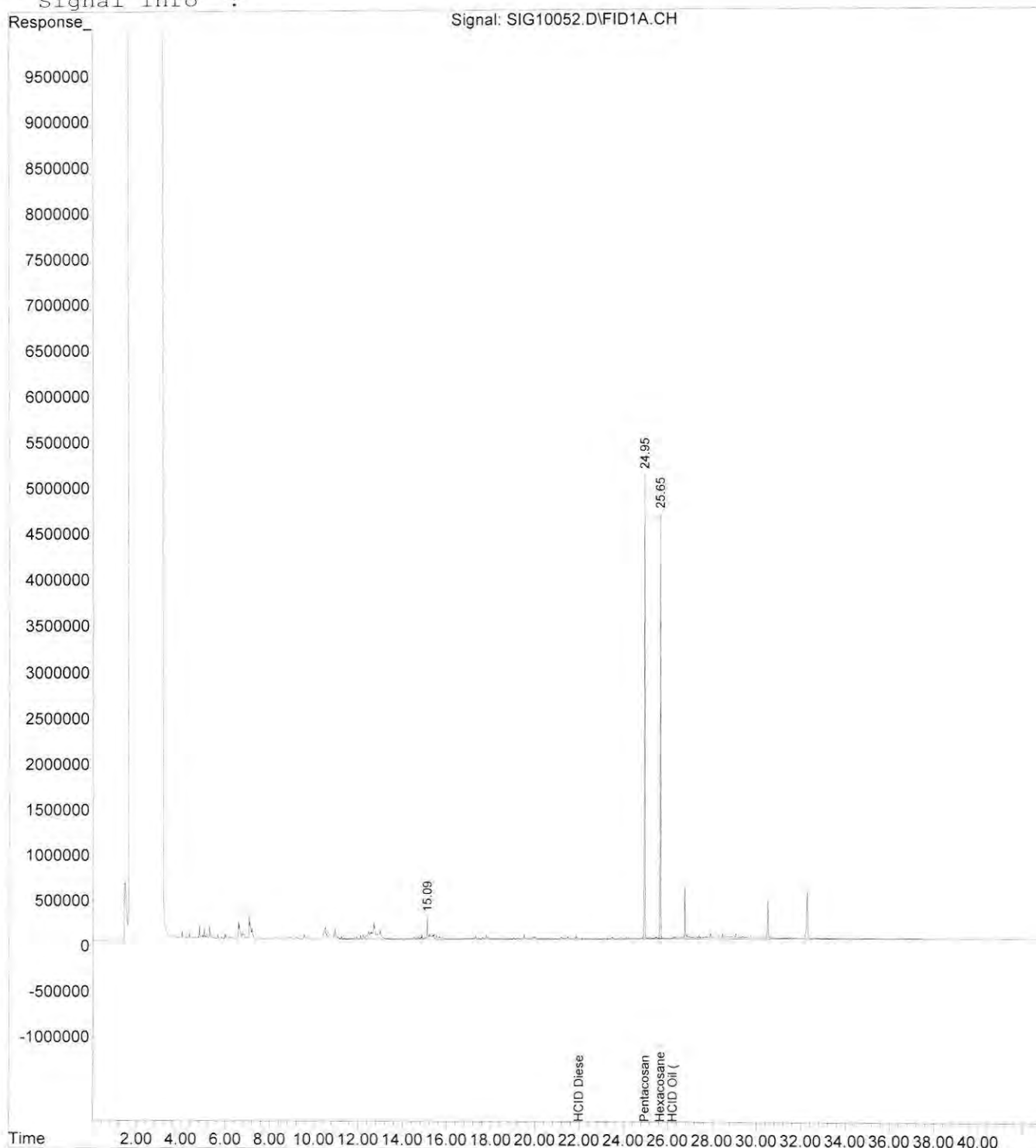
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	103445420	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	85827395	42.681 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 85.36%
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)	21.97	111989599	92.500 ppm	
8) h HCID Oil (>C14)	26.20	114848539	125.620 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10052.D Vial: 38
Acq On : 05 Mar 2021 9:41 Operator: ARC
Sample : WBB0717-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 10:33 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10053.D Vial: 39
Acq On : 05 Mar 2021 10:37 Operator: ARC
Sample : WBB0717-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 11:46:46 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

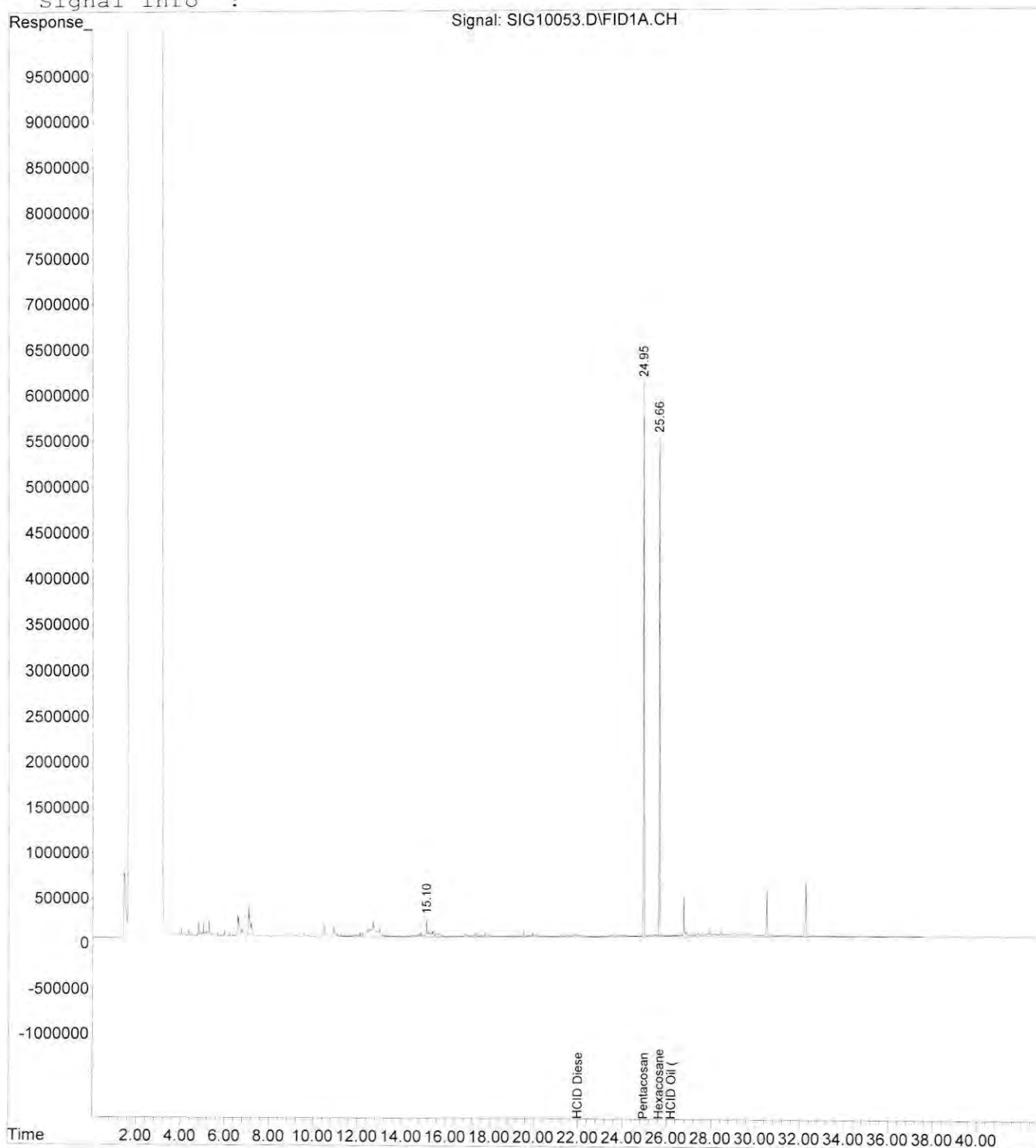
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	121069639	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.66	108531754	46.115 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 92.23%
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)	21.97	118117667	83.359 ppm	
8) h HCID Oil (>C14)	26.20	124733104	116.571 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10053.D Vial: 39
Acq On : 05 Mar 2021 10:37 Operator: ARC
Sample : WBB0717-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 11:48 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : W:\HPCHEM\1\2021DATA\030321\SIG10054.D Vial: 40
Acq On : 05 Mar 2021 11:34 Operator: ARC
Sample : WBB0717-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 05 12:35:07 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

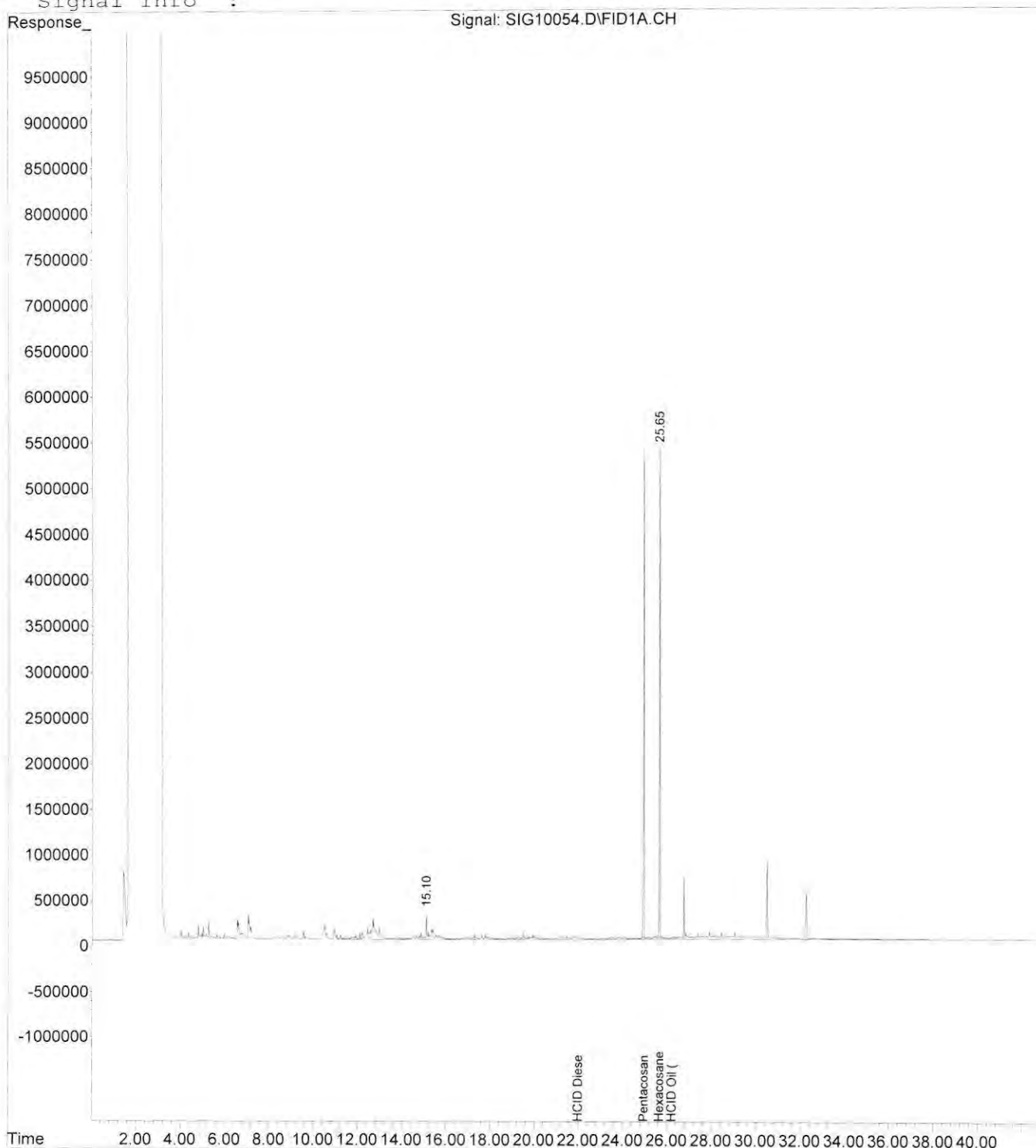
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Pentacosane	24.95	110795519	50.000 ppm	m
System Monitoring Compounds				
2) S Hexacosane	25.65	102436065	47.561 ppm	m
Spiked Amount	50.000	Range	50 - 150	Recovery = 95.12%
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)	21.97	163818375	126.333 ppm	
8) h HCID Oil (>C14)	26.20	156320703	159.639 ppm	

Data File : W:\HPCHEM\1\2021DATA\030321\SIG10054.D Vial: 40
Acq On : 05 Mar 2021 11:34 Operator: ARC
Sample : WBB0717-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Mar 5 12:35 2021 Quant Results File: 210301LOW.RES

Quant Method : W:\HPCHEM\1\METHODS\210301LOW.M (Chemstation Integrator)
Title :
Last Update : Tue Mar 02 09:08:48 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

```

Method Sections To Run      Sequence Barcode Options
(X) Full Method             (X) On Mismatch, Inject Anyway
( ) Reprocessing Only      ( ) On Mismatch, Don't Inject
                           ( ) Barcode Disabled

```

Line	Sample Name/Misc Info
1) Sample 4	----- SVOCT1 SYS CHECK
2) Sample 11	----- SVOC DIOX 10 PPM DIOX ICV
3) Sample 21	----- SVOC DIOX BBC0284-BS1
4) Sample 22	----- SVOC DIOX BBC0284-BSD1
5) Sample 23	----- SVOC DIOX BBC0284-BLK1
6) Sample 24	----- SVOC DIOX MBB0546-01
7) Sample 25	----- SVOC DIOX MBC0036-01@10
8) Sample 13	----- CARDSIM 5 PPM PEST CCV
9) Sample 31	----- CARDSIM BBC0286-BS1
10) Sample 32	----- CARDSIM BBC0286-BSD1
11) Sample 33	----- CARDSIM BBC0286-MS1
12) Sample 34	----- CARDSIM BBC0286-MSD1
13) Sample 35	----- CARDSIM BBC0286-BLK1
14) Sample 36	----- CARDSIM WBB0617-25
15) Sample 37	----- CARDSIM WBB0617-24
16) Sample 38	----- CARDSIM WBB0617-26



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	2002553	2/22	1000
CLP Internal Standard	2003865	11/21	2000

Target Compound Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
Chlorpyrifos	2003215	6/25/23	1000
Metolachlor	2003216	3/5/23	1000
Atrazine	2003218	11/21/24	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 MeCl₂ (2003529).

Analyst Initials:  Date of Preparation: 9/28/20 by TGT

Form CS06.00 – Eff 9 Mar 2015

Page 1 of 1

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Method Path : T:\Data1\MSD4\METHODS\2021\
 Method File : Cardno0311.m
 Title : EPA 8270D - GC MSD4
 Last Update : Fri Mar 12 09:37:25 2021
 Response Via : Initial Calibration

Calibration Files

0.05=01801015.D 10 =01203009.D 5 =01301010.D 2.5 =01401011.D 1 =01501012.D 0.5 =01601013.D
 0.1 =01701014.D

	Compound	0.05	10	5	2.5	1	0.5	0.1	Avg	%RSD
1) I	Dichlorobenzene-d5	-----ISTD-----								
2) S	2-Fluorobiphenyl	1.512	1.781	2.749	2.744	1.874	2.532	2.174	2.195	22.50
3) I	Acenaphthene-d10	-----ISTD-----								
4)	Atrazine	0.206	0.275	0.318	0.293	0.308	0.186	0.213	0.257	21.02
5) I	Phenanthrene-d10	-----ISTD-----								
6)	Metolachlor	0.378	0.624	0.590	0.524	0.509	0.463	0.374	0.495	19.57
7)	Chlorpyrifos	0.075	0.122	0.118	0.107	0.099	0.092	0.079	0.099	18.45
8) I	Chrysene-d12	-----ISTD-----								
9) S	Terphenyl-d14	0.852	1.209	1.014	1.033	1.000	1.166	1.416	1.099	16.60

(#) = Out of Range

PREPARATION BENCH SHEET

Organics

BBC0286

Print Date/Time: 03/12/2021 2:0

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Matrix: Solid

Prepared using: SVOC - ASE B

Analyses

SVOC 625 MISC

Spiking Solution(s)

2100679 8270 Spike 100ppm
2100777 Cardno Spk 50

Surrogate Solution(s)

2002552 CLP Acid Surr 2000
2100032 CLP B/N 1000

Lab Number	Sample and Source ID	Date Due	Extract by	Prepared	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
BBC0286-BLK1	Blank			3/2/2021 10:21:00AM	5	1		25	
BBC0286-BS1	LCS			3/2/2021 10:21:00AM	5	1	50	25	
BBC0286-BSD1	LCS Dup			3/2/2021 10:21:00AM	5	1	50	25	
BBC0286-MS1	Matrix Spike [WBB0617-25]			3/2/2021 10:21:00AM	5	1	50	25	
BBC0286-MSD1	Matrix Spike Dup [WBB0617-25]			3/2/2021 10:21:00AM	5	1	50	25	
WBB0617-24	WW-3	03/05/2021	03/02/2021	3/2/2021 10:21:00AM	5	1		25	
WBB0617-25	E-1	03/05/2021	03/02/2021	3/2/2021 10:21:00AM	5	1		25	
WBB0617-26	E-2	03/05/2021	03/02/2021	3/2/2021 10:21:00AM	5	1		25	

BAL-04

Reagents

Standard	Description	LotNum
2001110	ASE 30mm cellulose filters	113335
2002631	Acetone	60045
2003324	Dichloromethane	60192
2004097	Hydromatrix	6520417-10
2100857	Na2SO4 muffled	2020030385

Analyst:

BM

Date

Run Date:

5

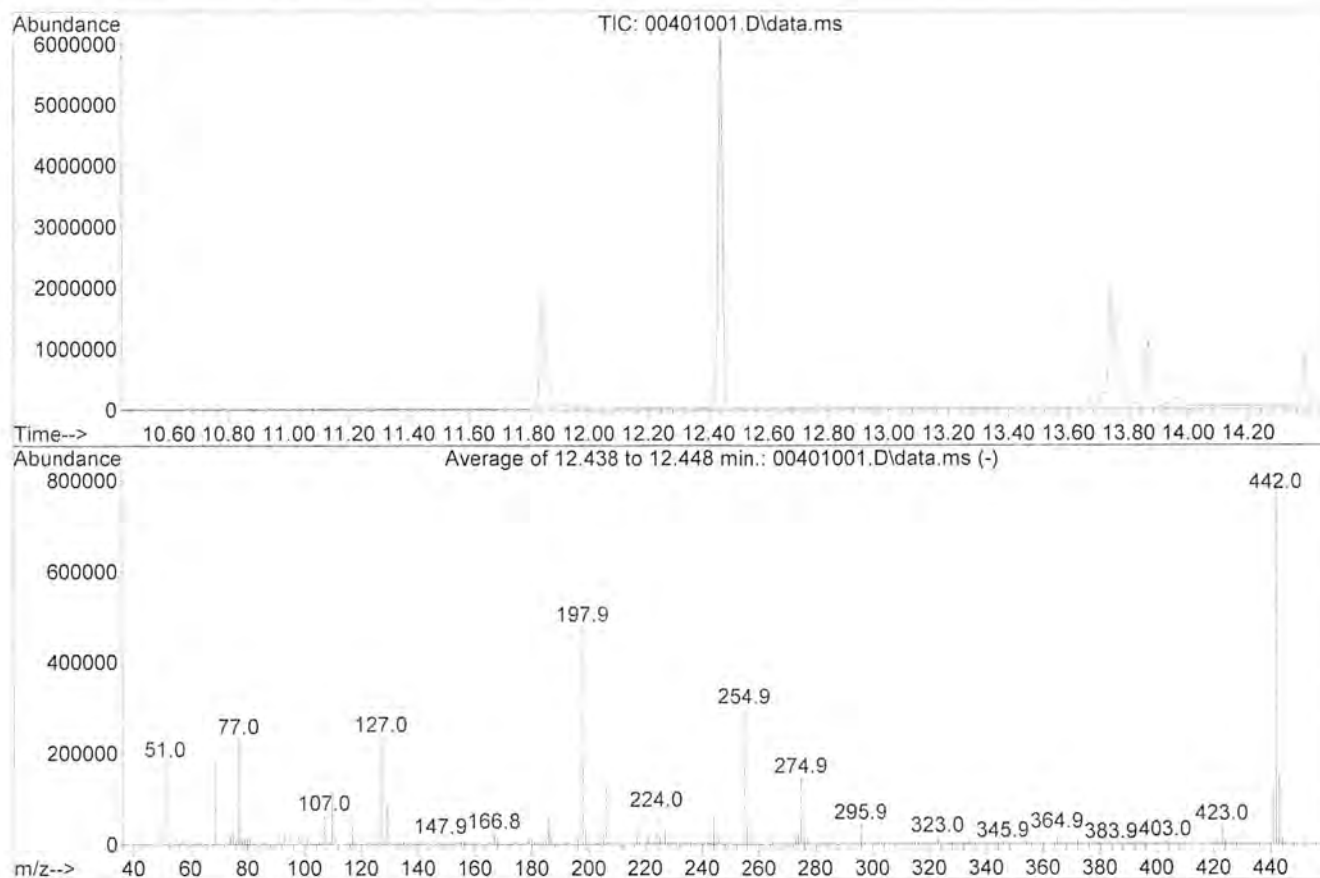
Date

3/12/21

Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 00401001.D
 Acq On : 11 Mar 2021 11:42 am
 Operator : TGT
 Sample : SYS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e

Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Title : EPA 8270D - GC MSD4
 Last Update : Fri Mar 12 09:37:25 2021



AutoFind: Scans 1919, 1920, 1921; Background Corrected with Scan 1909

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.0	182134	PASS
68	69	0.00	2	1.5	2735	PASS
69	198	0.00	100	37.5	179743	PASS
70	69	0.00	2	0.6	998	PASS
127	198	25	75	49.4	236260	PASS
197	198	0.00	1	0.1	479	PASS
198	198	100	100	100.0	478699	PASS
199	198	5	9	6.7	32171	PASS
275	198	10	60	30.5	145885	PASS
365	198	0.00	100	5.0	23883	PASS
441	443	0.01	100	76.8	116299	PASS
442	198	39	200	163.5	782507	PASS
443	442	15	24	19.4	151528	PASS

Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01203009.D
 Acq On : 11 Mar 2021 3:06 pm
 Operator : TGT
 Sample : 10 PPM PEST ICAL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

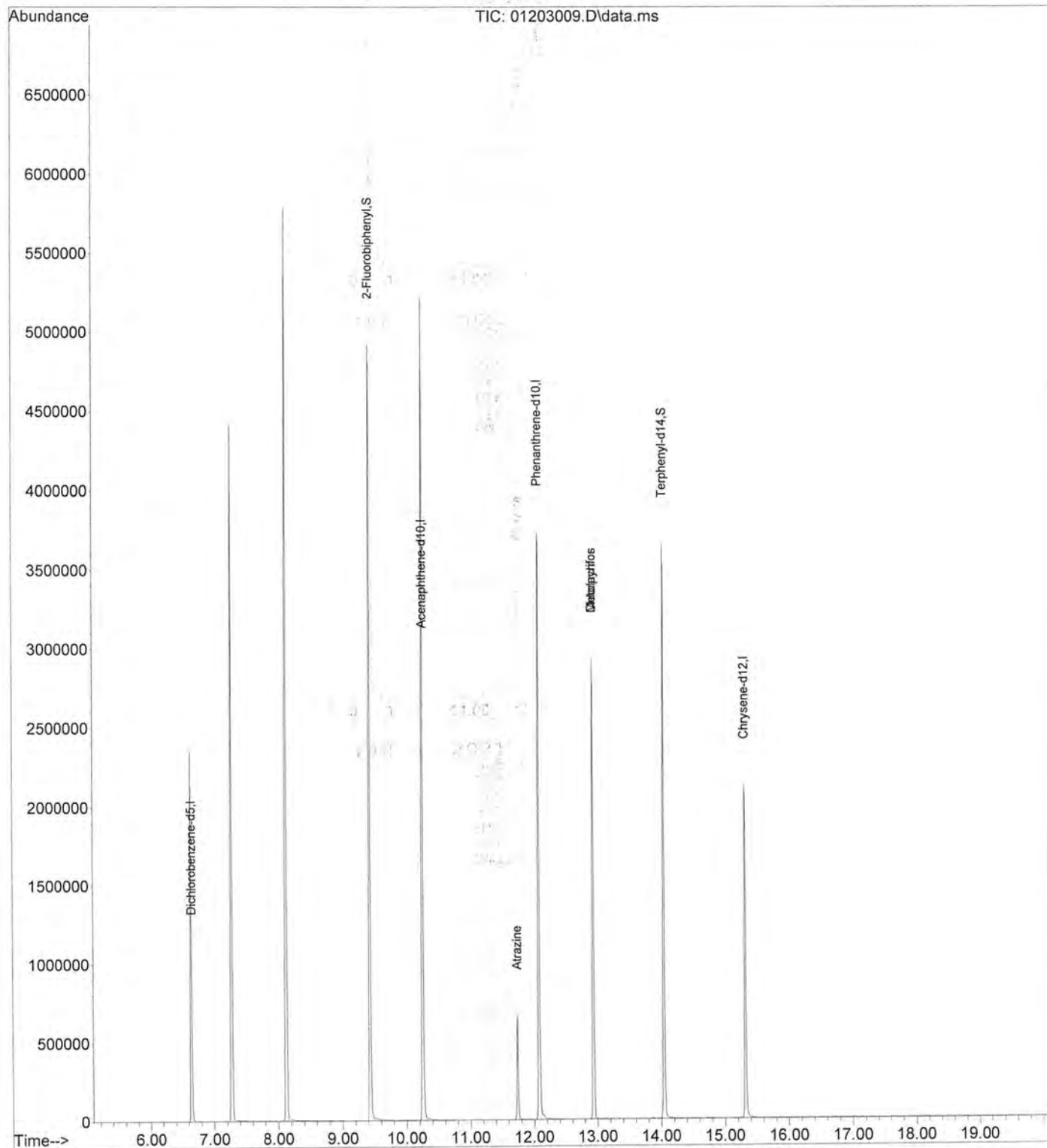
Quant Time: Mar 12 09:31:09 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:26:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.644	150	26024570	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.261	164	32247348	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.078	188	53286068m	20.00	ug/mL	0.94
8) Chrysene-d12	15.315	240	29052043m	20.00	ug/mL	0.96
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.433	172	58649044m	24.86	ug/mL	-0.45
9) Terphenyl-d14	14.042	244	43652911m	31.23	ug/mL	0.93
Spiked Amount	25.000		Recovery	=	124.92%	
Target Compounds						
4) Atrazine	11.745	200	4478006m	9.25	ug/mL	Qvalue
6) Metolachlor	12.935	162	16538818m	10.73	ug/mL	
7) Chlorpyrifos	12.935	197	3240730m	10.01	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01203009.D
Acq On : 11 Mar 2021 3:06 pm
Operator : TGT
Sample : 10 PPM PEST ICAL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 12 09:31:09 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:26:20 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01301010.D
 Acq On : 11 Mar 2021 3:33 pm
 Operator : TGT
 Sample : 5 PPM PEST ICAL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

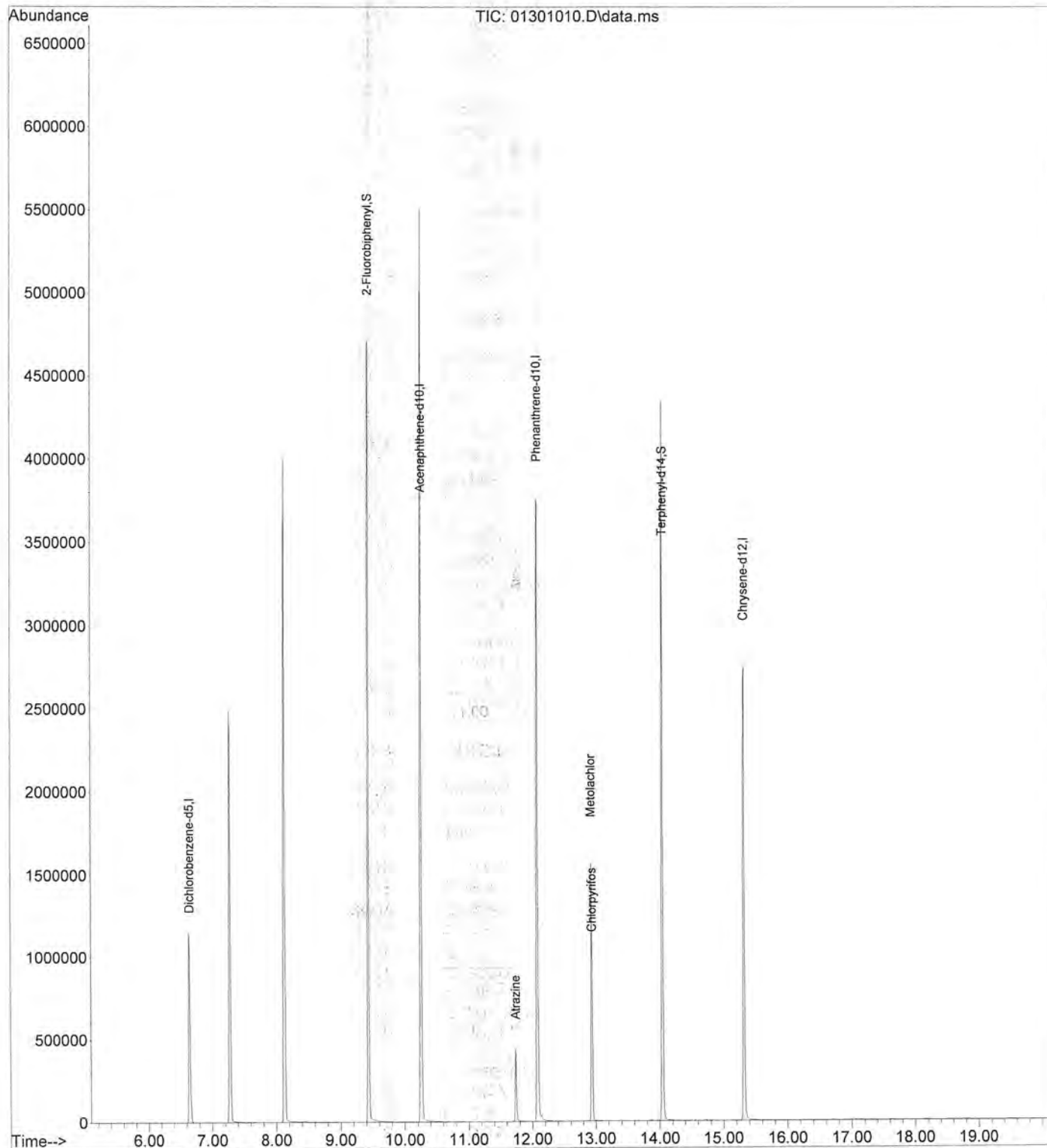
Quant Time: Mar 12 09:31:16 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:26:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.647	150	16660931	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.261	164	34896294	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.085	188	53898720	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.325	240	37858207	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.440	172	57259242	31.27	ug/mL	0.00
9) Terphenyl-d14	14.049	244	47970599	23.09	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	92.36%	
Target Compounds						
4) Atrazine	11.742	200	2777302	5.51	ug/mL	97
6) Metolachlor	12.939	162	7954791	5.16	ug/mL	96
7) Chlorpyrifos	12.941	197	1586615	5.18	ug/mL	99

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01301010.D
Acq On : 11 Mar 2021 3:33 pm
Operator : TGT
Sample : 5 PPM PEST ICAL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 09:31:16 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:26:20 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01401011.D
 Acq On : 11 Mar 2021 4:00 pm
 Operator : TGT
 Sample : 2.5 PPM PEST ICAL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

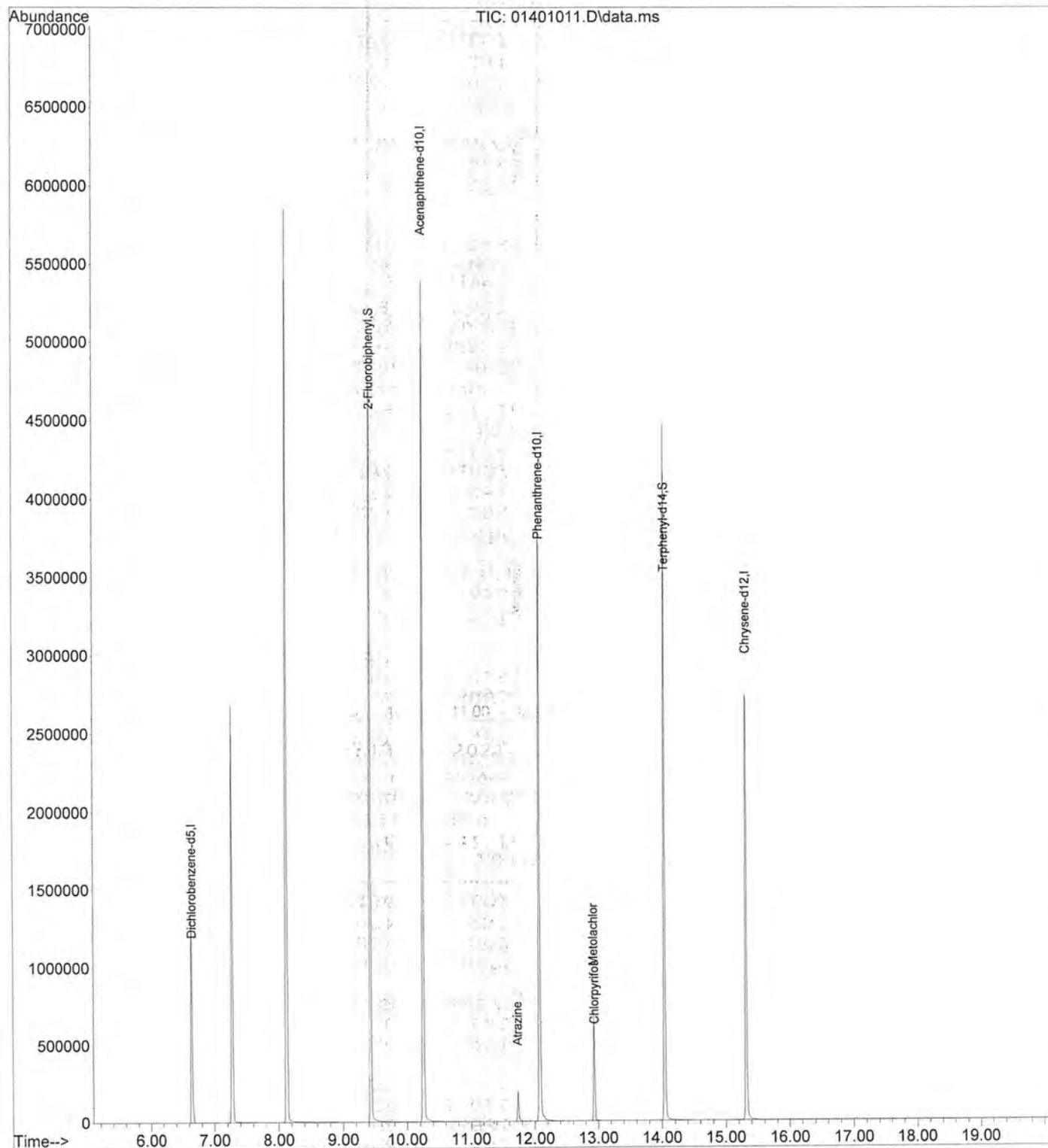
Quant Time: Mar 12 09:31:25 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:26:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.646	150	16817709	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.260	164	35013354	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.085	188	54258823	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.325	240	38264936	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.439	172	57680815	31.20	ug/mL	0.00
9) Terphenyl-d14	14.049	244	49428727	23.54	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	94.16%	
Target Compounds						
4) Atrazine	11.736	200	1281804m	2.55	ug/mL	Qvalue
6) Metolachlor	12.938	162	3556417	2.43	ug/mL	97
7) Chlorpyrifos	12.941	197	724599	2.47	ug/mL	99

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01401011.D
Acq On : 11 Mar 2021 4:00 pm
Operator : TGT
Sample : 2.5 PPM PEST ICAL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 12 09:31:25 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D GC MSD4
QLast Update : Fri Mar 12 09:26:20 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01501012.D
 Acq On : 11 Mar 2021 4:28 pm
 Operator : TGT
 Sample : 1 PPM PEST ICAL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

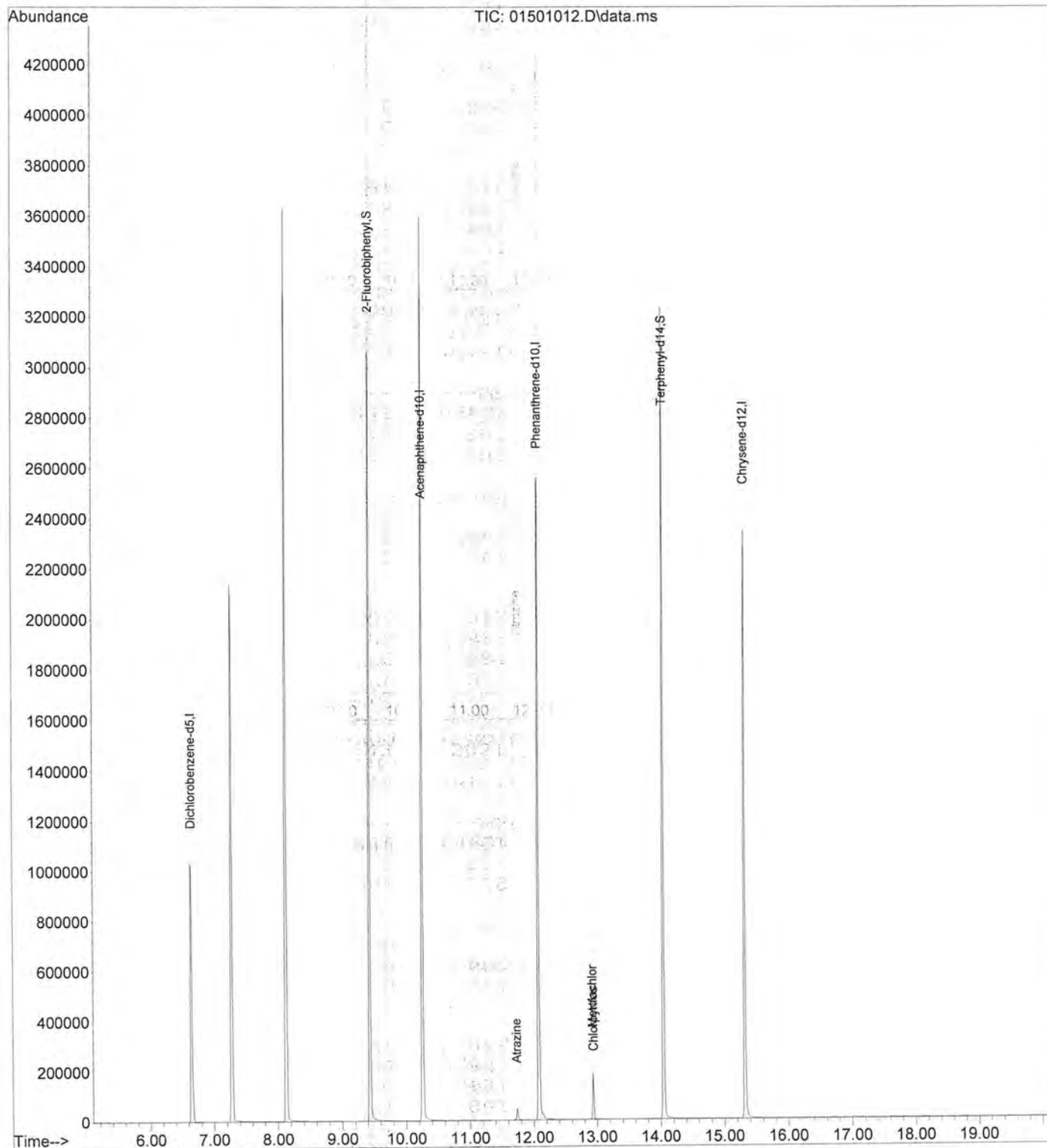
Quant Time: Mar 12 09:34:00 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:32:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.648	150	15968232	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.261	164	22623554	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.085	188	36730100	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.326	240	30000481	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.440	172	37403613	21.31	ug/mL	0.00
9) Terphenyl-d14	14.050	244	37508336	22.78	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	91.12%	
Target Compounds						
4) Atrazine	11.736	200	348097m	1.07	ug/mL	Qvalue
6) Metolachlor	12.938	162	935477	0.99	ug/mL	96
7) Chlorpyrifos	12.941	197	182293	0.95	ug/mL	96

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01501012.D
Acq On : 11 Mar 2021 4:28 pm
Operator : TGT
Sample : 1 PPM PEST ICAL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 09:34:00 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:32:48 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01601013.D
 Acq On : 11 Mar 2021 4:55 pm
 Operator : TGT
 Sample : 0.5 PPM PEST ICAL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 12 09:36:44 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:35:44 2021
 Response via : Initial Calibration

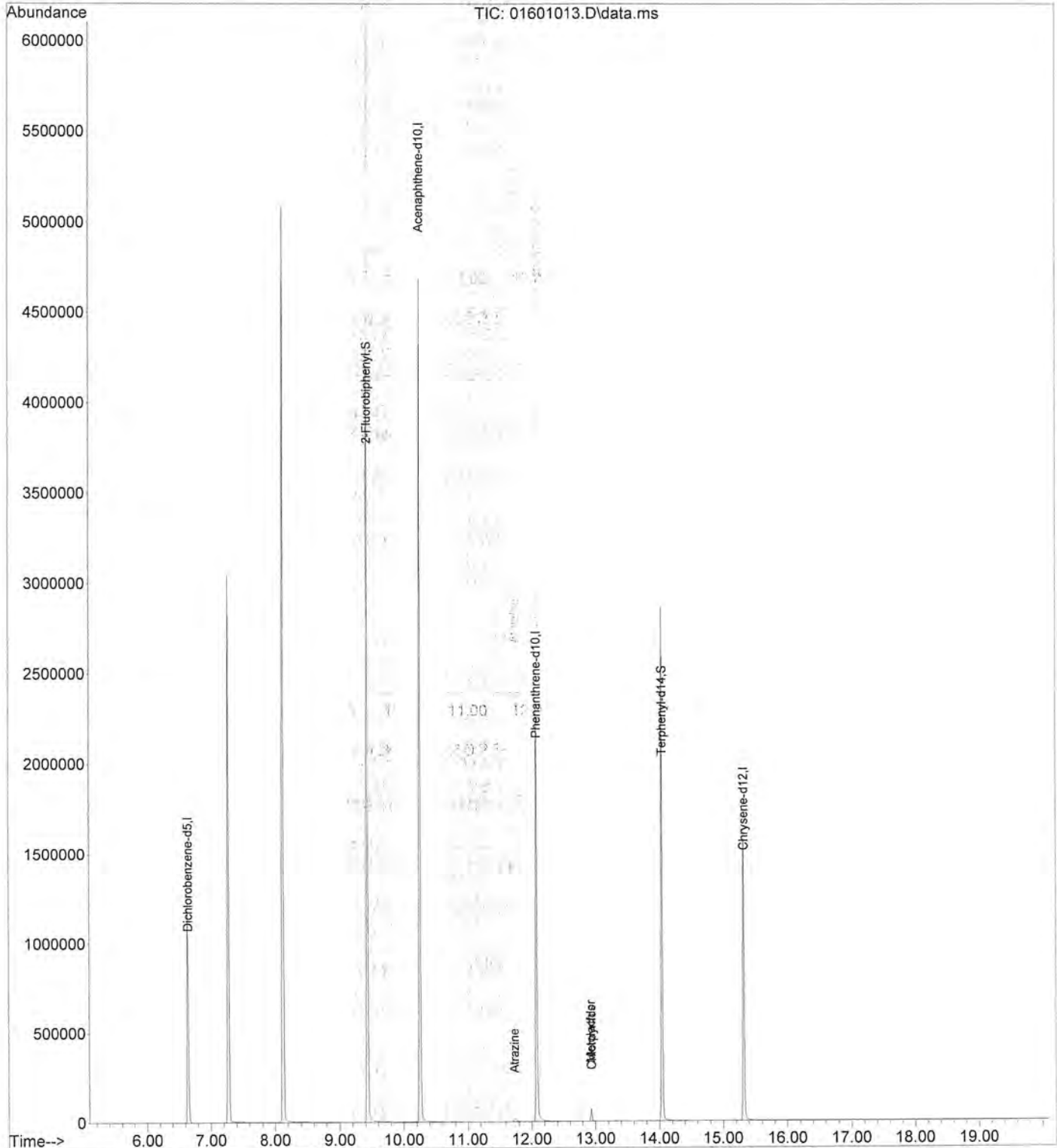
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Dichlorobenzene-d5	6.646	150	15695215	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.260	164	29313846	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.084	188	31765929	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.323	240	20712323	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.438	172	49680210	28.84	ug/mL	0.00
9) Terphenyl-d14	14.048	244	30176483	26.53	ug/mL	0.00
Spiked Amount	25.000		Recovery	= 106.12%		
Target Compounds						
4) Atrazine	11.736	200	139859m	0.39	ug/mL	Qvalue
6) Metolachlor	12.938	162	367488	0.47	ug/mL	97
7) Chlorpyrifos	12.941	197	73181	0.46	ug/mL	95

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01601013.D
Acq On : 11 Mar 2021 4:55 pm
Operator : TGT
Sample : 0.5 PPM PEST ICAL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 12 09:36:44 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D GC MSD4
QLast Update : Fri Mar 12 09:35:44 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01701014.D
 Acq On : 11 Mar 2021 5:22 pm
 Operator : TGT
 Sample : 0.1 PPM PEST ICAL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

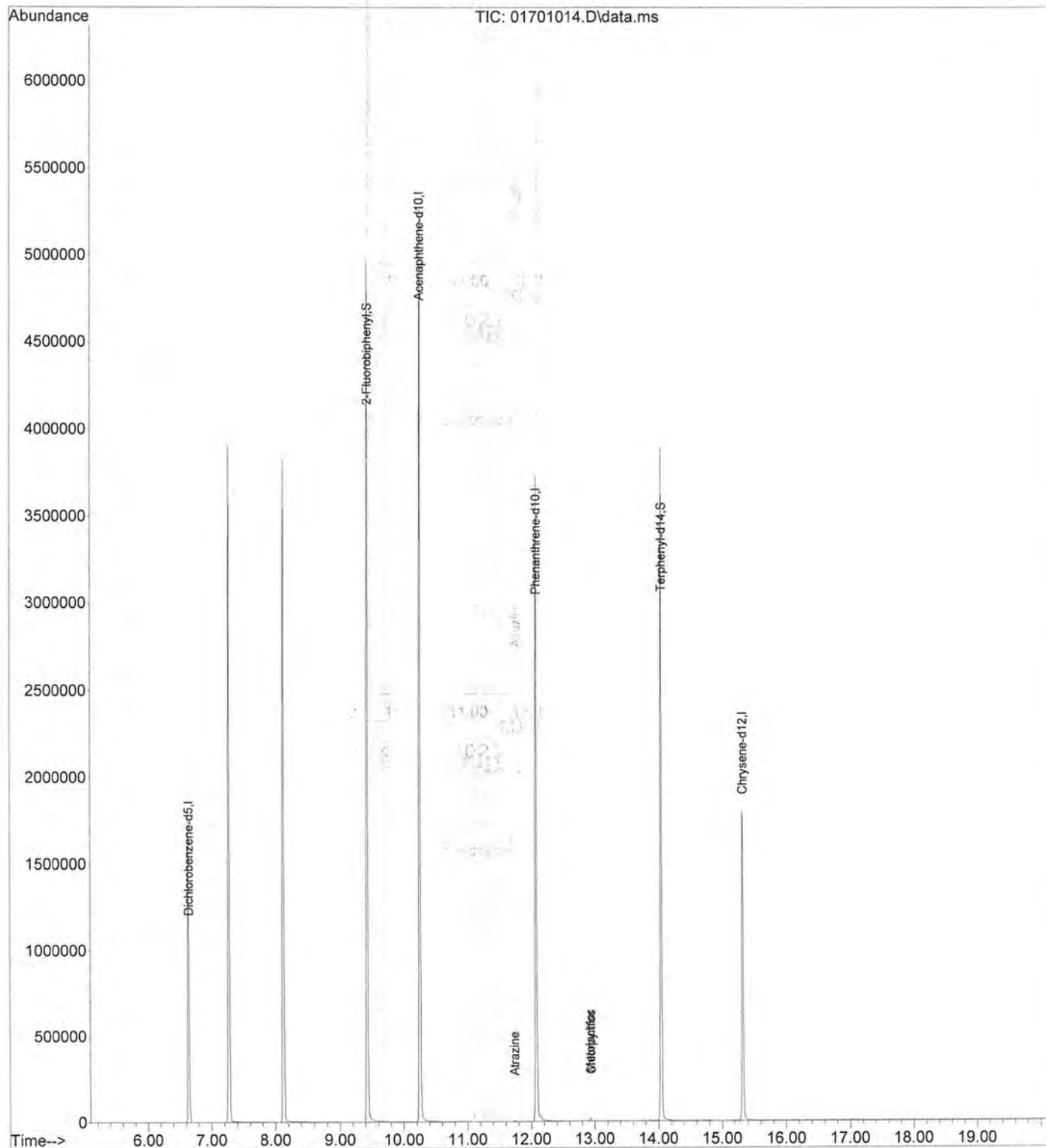
Quant Time: Mar 12 09:37:26 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.645	150	20978665	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.259	164	33728602	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.084	188	49714855	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.324	240	24836681	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.438	172	57009143	24.76	ug/mL	0.00
9) Terphenyl-d14	14.049	244	43951282	32.22	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	128.88%	
Target Compounds						
4) Atrazine	11.741	200	33911	0.10	ug/mL	Qvalue 97
6) Metolachlor	12.937	162	92895	0.09	ug/mL	99
7) Chlorpyrifos	12.940	197	19533	0.10	ug/mL	97

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01701014.D
Acq On : 11 Mar 2021 5:22 pm
Operator : TGT
Sample : 0.1 PPM PEST ICAL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 12 09:37:26 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\11\
 Data File : 01801015.D
 Acq On : 11 Mar 2021 5:49 pm
 Operator : TGT
 Sample : 0.05 PPM PEST ICAL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

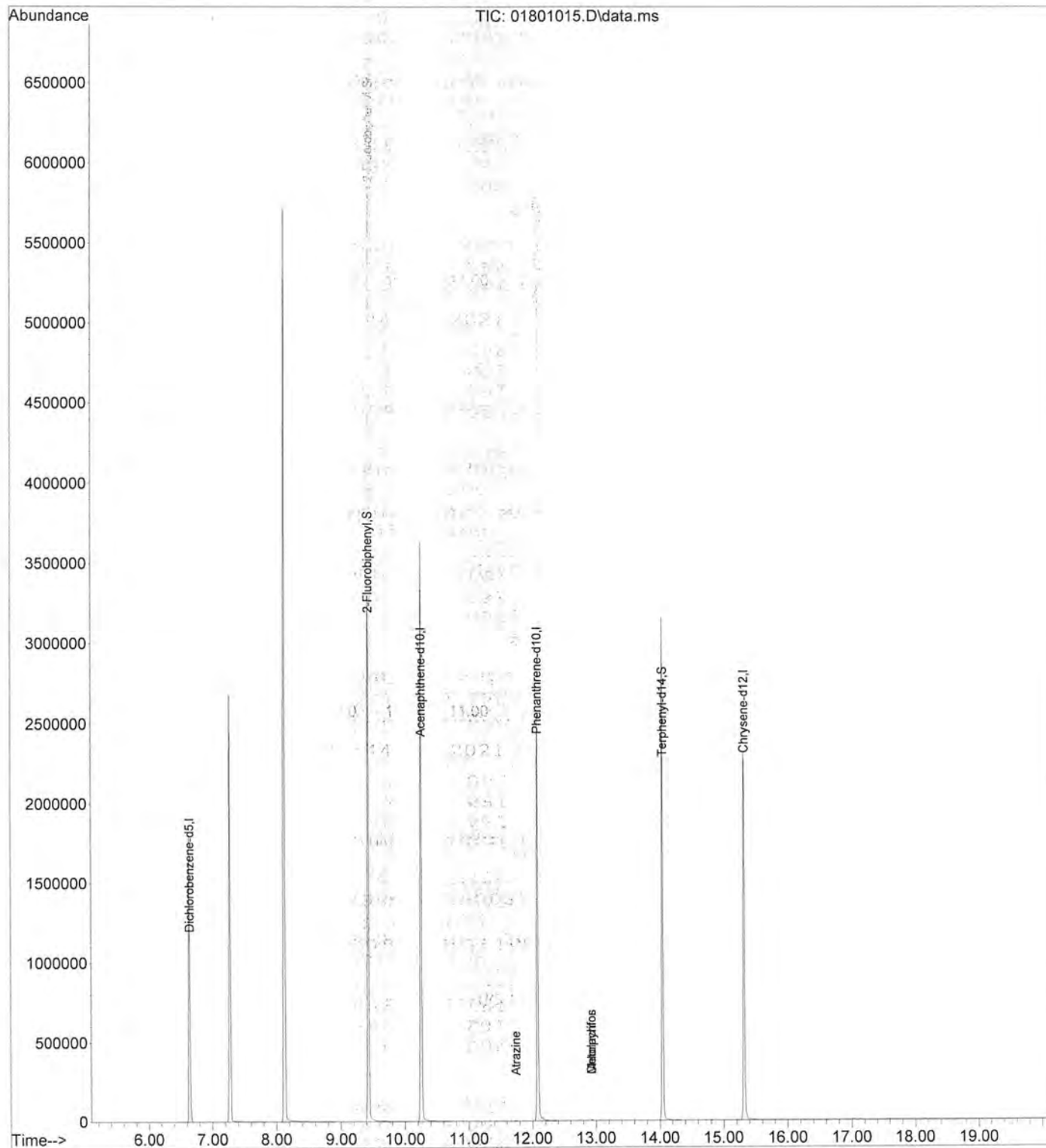
Quant Time: Mar 12 09:37:33 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.645	150	20852632	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.260	164	23771684	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.084	188	35253934	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.323	240	31305958	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.439	172	39408121	17.22	ug/mL	0.00
9) Terphenyl-d14	14.048	244	33327132	19.38	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	77.52%	
Target Compounds						
4) Atrazine	11.742	200	11708	0.06	ug/mL#	33
6) Metolachlor	12.938	162	33344	0.06	ug/mL	98
7) Chlorpyrifos	12.935	197	6760m	0.06	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\11\
Data File : 01801015.D
Acq On : 11 Mar 2021 5:49 pm
Operator : TGT
Sample : 0.05 PPM PEST ICAL
Misc :
ALS Vial : 18 Sample Multiplier: 1

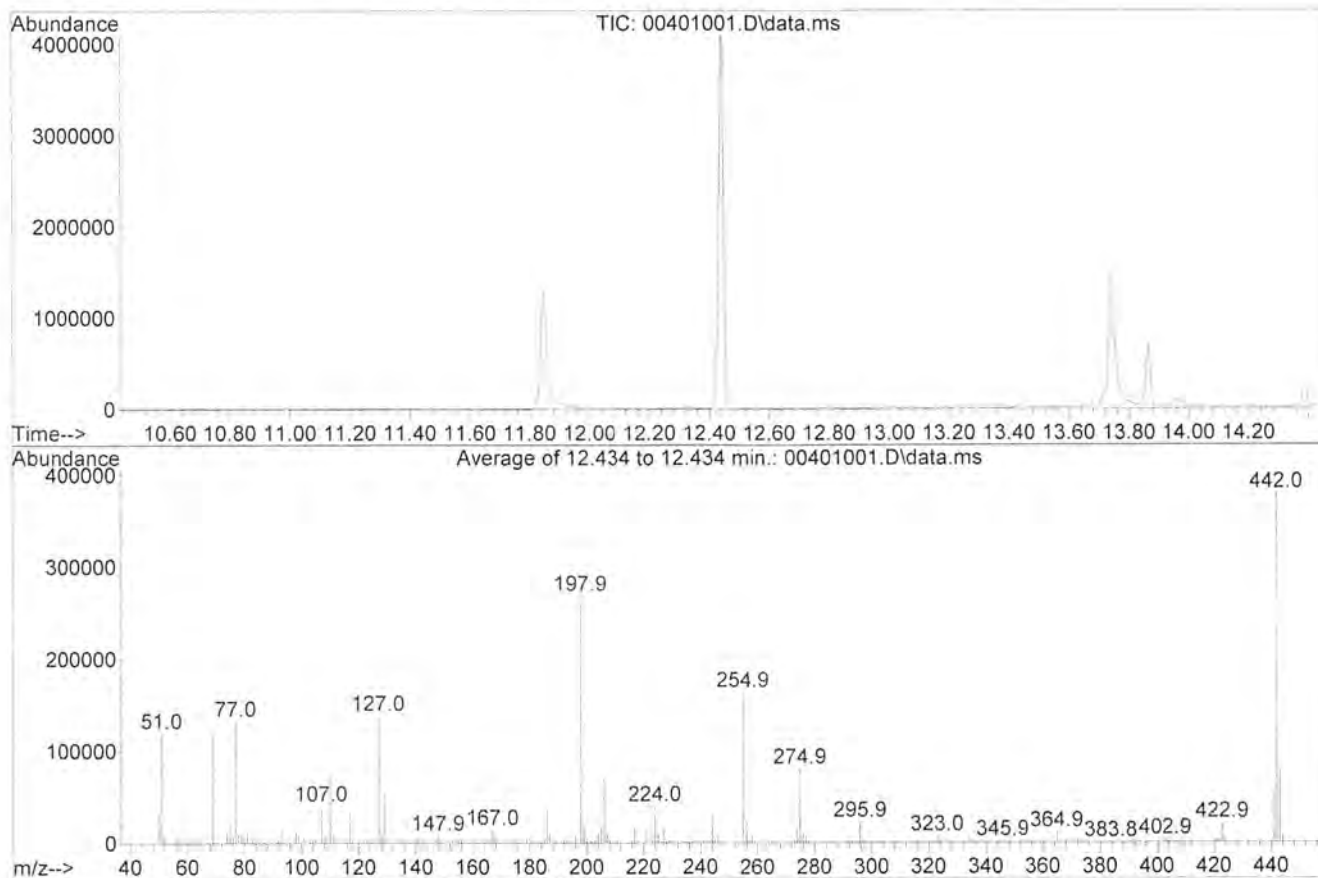
Quant Time: Mar 12 09:37:33 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 00401001.D
 Acq On : 12 Mar 2021 8:18 am
 Operator : TGT
 Sample : SYS CHECK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e

Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Title : EPA 8270D - GC MSD4
 Last Update : Fri Mar 12 09:37:25 2021



Spectrum Information: Average of 12.434 to 12.434 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.6	119736	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.7	117280	PASS
70	69	0.00	2	0.7	799	PASS
127	198	25	75	51.6	138560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	268480	PASS
199	198	5	9	6.7	18080	PASS
275	198	10	60	30.0	80528	PASS
365	198	0.00	100	4.2	11365	PASS
441	443	0.01	100	74.4	57656	PASS
442	198	39	200	143.6	385664	PASS
443	442	15	24	20.1	77504	PASS

Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 01301008.D
 Acq On : 12 Mar 2021 11:01 am
 Operator : TGT
 Sample : 5 PPM PEST CCV
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

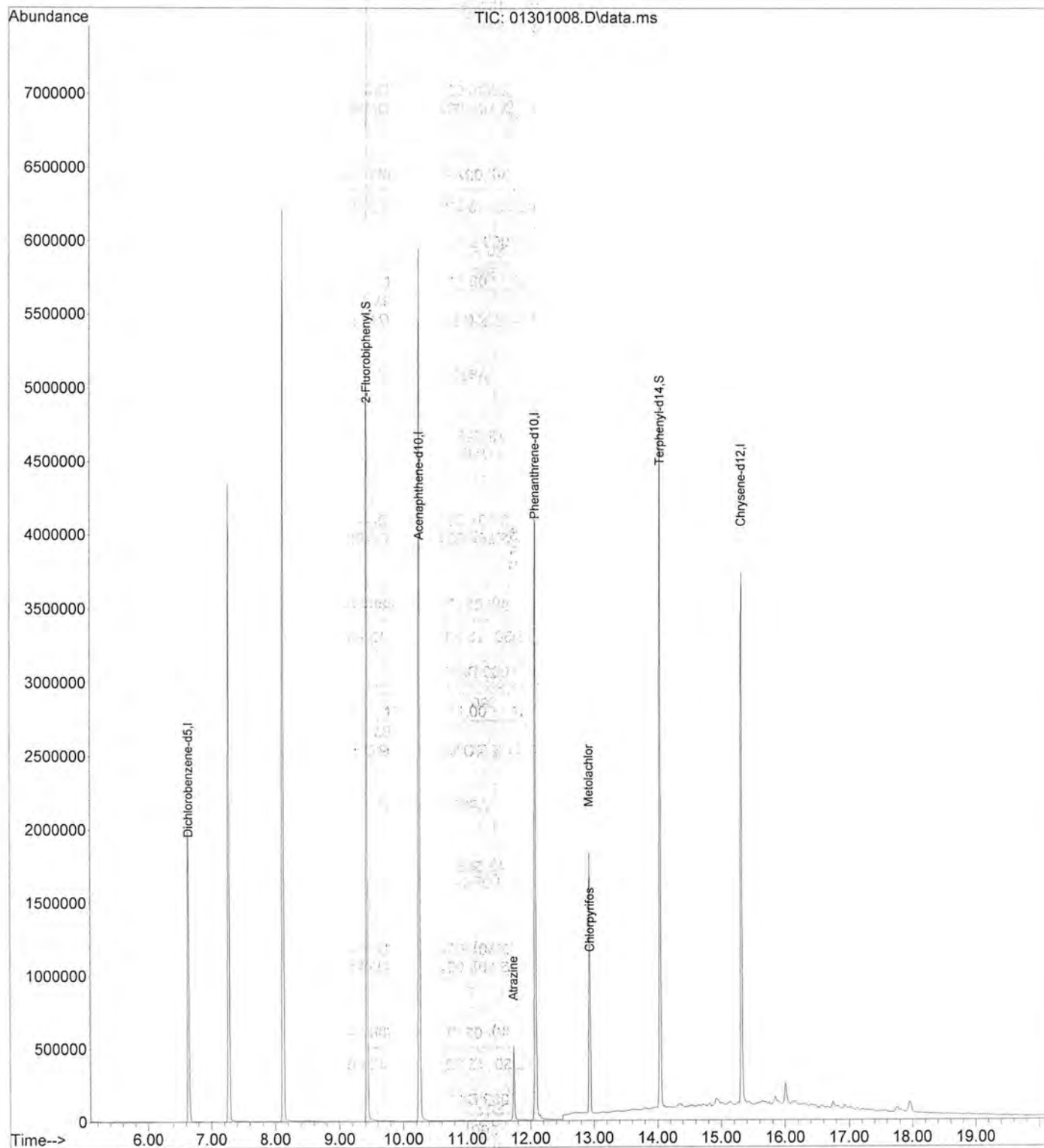
Quant Time: Mar 12 15:08:36 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.647	150	27125824	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.261	164	39160834	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.085	188	59920383	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.326	240	46532236	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.439	172	63199545	21.23	ug/mL	0.00
9) Terphenyl-d14	14.050	244	56816468	22.23	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	88.92%	
Target Compounds						
4) Atrazine	11.736	200	3316887m	5.78	ug/mL	Qvalue
6) Metolachlor	12.937	162	9528325	5.52	ug/mL	99
7) Chlorpyrifos	12.940	197	1827673	5.35	ug/mL	98

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 01301008.D
Acq On : 12 Mar 2021 11:01 am
Operator : TGT
Sample : 5 PPM PEST CCV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 15:08:36 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03101009.D
 Acq On : 12 Mar 2021 11:27 am
 Operator : TGT
 Sample : BBC0286-BS1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

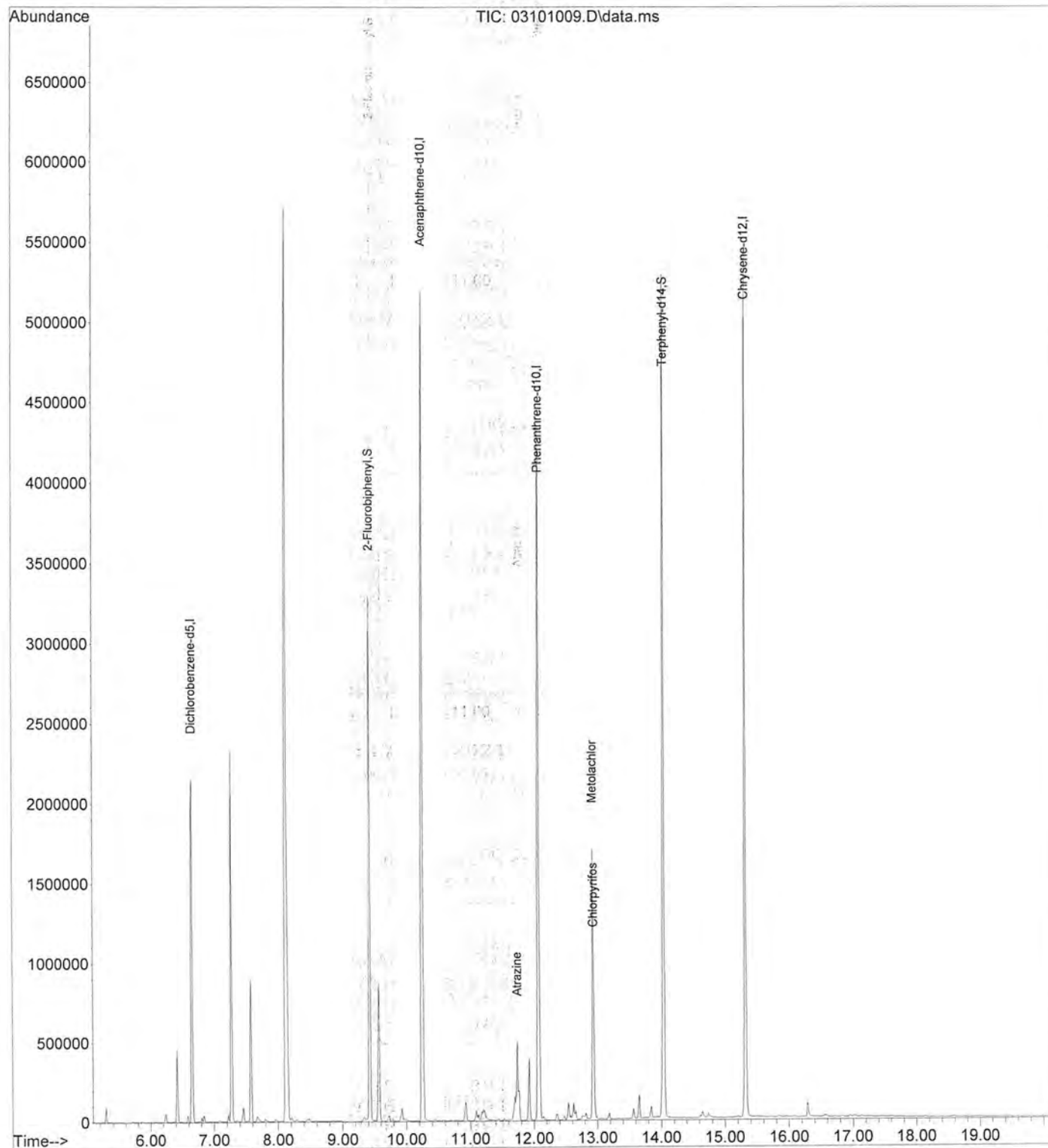
Quant Time: Mar 12 13:24:57 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.659	150	28962170	20.00	ug/mL	0.01
3) Acenaphthene-d10	10.257	164	42398233	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.083	188	69539427	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.328	240	61142159	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.434	172	43067677	13.55	ug/mL	0.00
9) Terphenyl-d14	14.049	244	66778537	19.88	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	79.52%	
Target Compounds						
4) Atrazine	11.745	200	3127015m	4.99	ug/mL	Qvalue
6) Metolachlor	12.938	162	10146426	5.11	ug/mL	98
7) Chlorpyrifos	12.940	197	1989572	5.04	ug/mL	97

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03101009.D
Acq On : 12 Mar 2021 11:27 am
Operator : TGT
Sample : BBC0286-BS1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 12 13:24:57 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03201010.D
 Acq On : 12 Mar 2021 11:54 am
 Operator : TGT
 Sample : BBC0286-BSD1
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

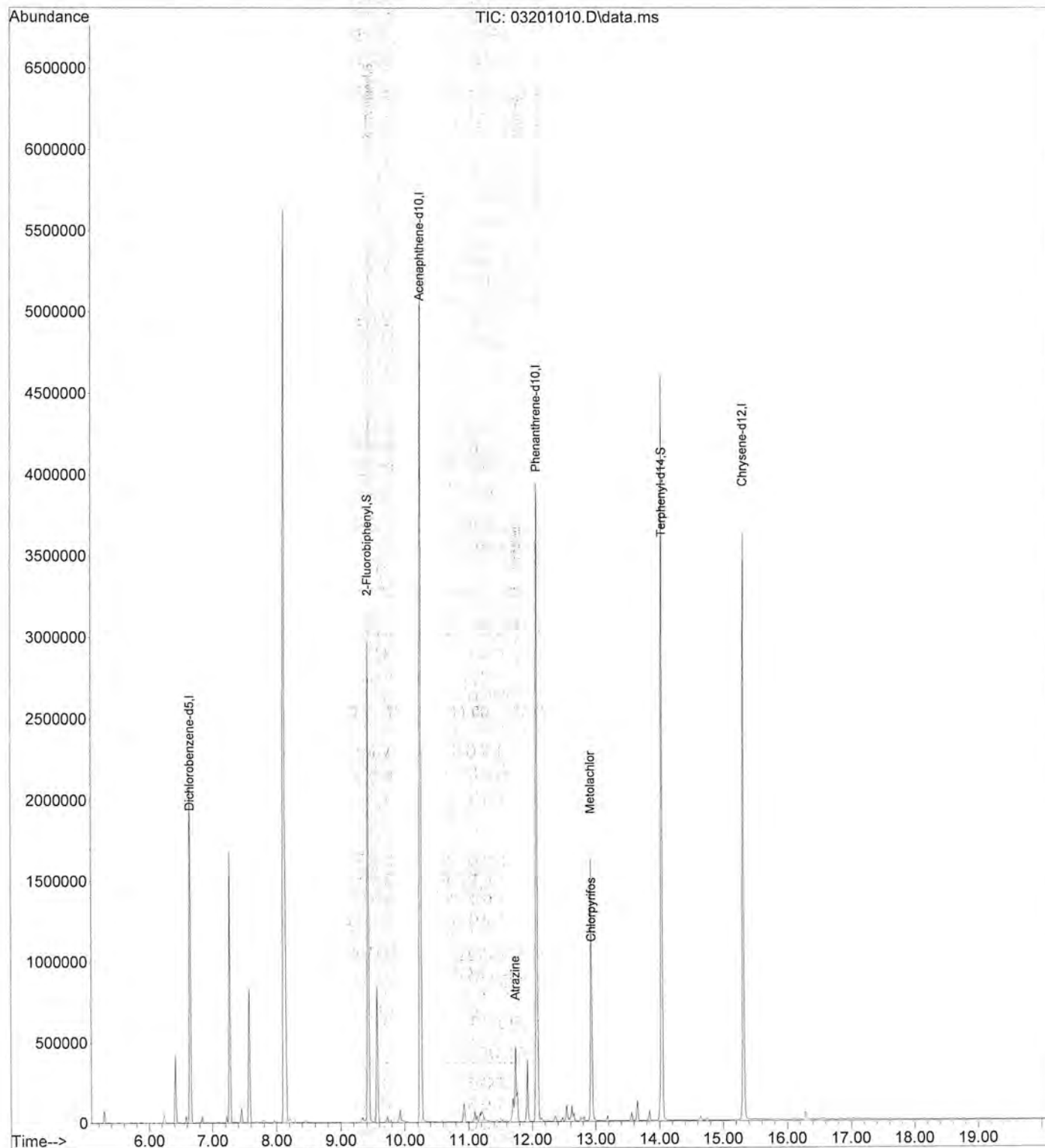
Quant Time: Mar 12 13:25:08 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	6.656	150	27422161	20.00	ug/mL	0.01
3) Acenaphthene-d10	10.259	164	39136458	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.085	188	60152089	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.327	240	42988218	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.436	172	35237409	11.71	ug/mL	0.00
9) Terphenyl-d14	14.049	244	53333636	22.59	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	90.36%	
Target Compounds						
4) Atrazine	11.745	200	3136121m	5.45	ug/mL	Qvalue
6) Metolachlor	12.938	162	9042199	5.25	ug/mL	98
7) Chlorpyrifos	12.940	197	1751107	5.12	ug/mL	98

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03201010.D
Acq On : 12 Mar 2021 11:54 am
Operator : TGT
Sample : BBC0286-BSD1
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 12 13:25:08 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03301011.D
 Acq On : 12 Mar 2021 12:20 pm
 Operator : TGT
 Sample : BBC0286-MS1
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

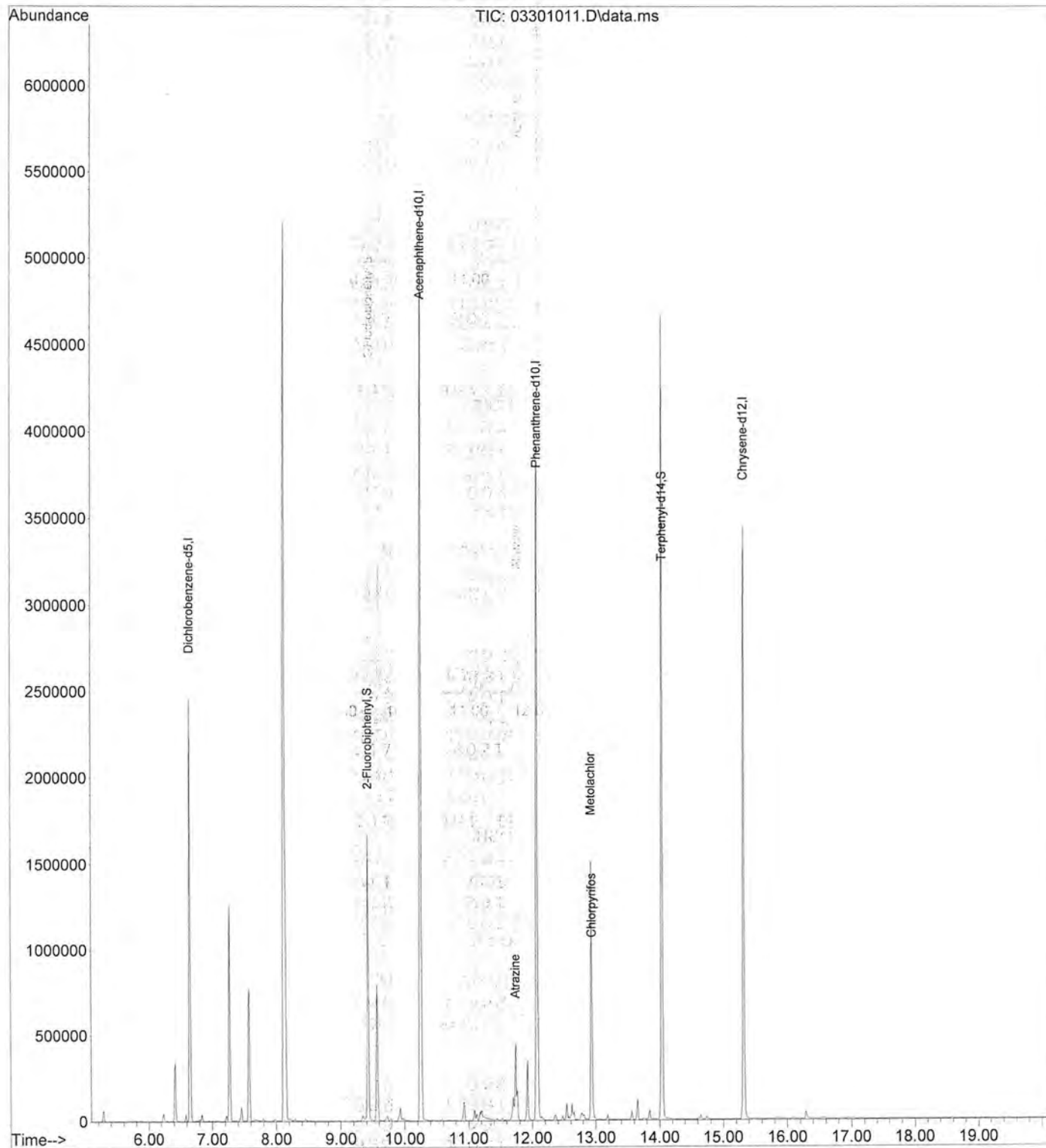
Quant Time: Mar 12 13:25:19 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.654	150	26794896	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.259	164	38436804	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.084	188	59055263	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.326	240	42671591	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.435	172	19709184	6.70	ug/mL	0.00
9) Terphenyl-d14	14.048	244	51792833	22.10	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	88.40%	
Target Compounds						
4) Atrazine	11.745	200	2967310m	5.24	ug/mL	Qvalue
6) Metolachlor	12.938	162	8326285	4.95	ug/mL	97
7) Chlorpyrifos	12.940	197	1634574	4.89	ug/mL	97

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03301011.D
Acq On : 12 Mar 2021 12:20 pm
Operator : TGT
Sample : BBC0286-MS1
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 12 13:25:19 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03401012.D
 Acq On : 12 Mar 2021 12:47 pm
 Operator : TGT
 Sample : BBC0286-MSD1
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

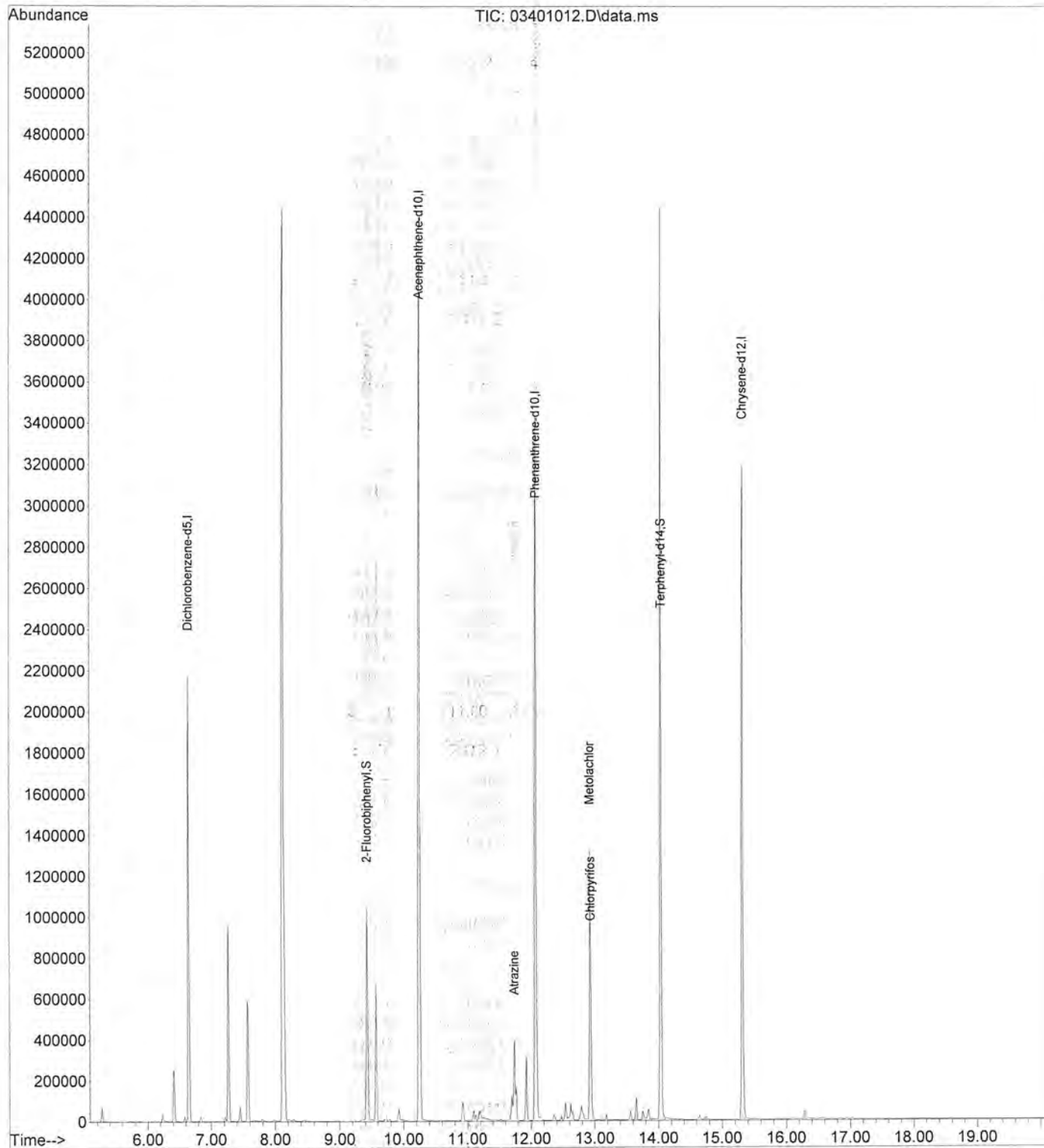
Quant Time: Mar 12 13:25:27 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.654	150	23467572	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.258	164	33337921	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.083	188	51908440	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.326	240	40212488	20.00	ug/mL	# 0.01
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.434	172	12718578	4.94	ug/mL	0.00
9) Terphenyl-d14	14.047	244	46526100	21.06	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	84.24%	
Target Compounds						
4) Atrazine	11.745	200	2644201m	5.39	ug/mL	Qvalue
6) Metolachlor	12.938	162	7706760	5.19	ug/mL	98
7) Chlorpyrifos	12.941	197	1504710	5.10	ug/mL	96

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03401012.D
Acq On : 12 Mar 2021 12:47 pm
Operator : TGT
Sample : BBC0286-MSD1
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 12 13:25:27 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03501013.D
Acq On : 12 Mar 2021 1:14 pm
Operator : TGT
Sample : BBC0286-BLK1
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 12 13:45:22 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.655	150	21941900	20.00	ug/mL	0.01
3) Acenaphthene-d10	10.256	164	32218736	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.081	188	49617459	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.322	240	37082271	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.435	172	49108723	20.39	ug/mL	0.00
9) Terphenyl-d14	14.047	244	46424855	22.79	ug/mL	0.00
Spiked Amount	25.000			Recovery	=	91.16%

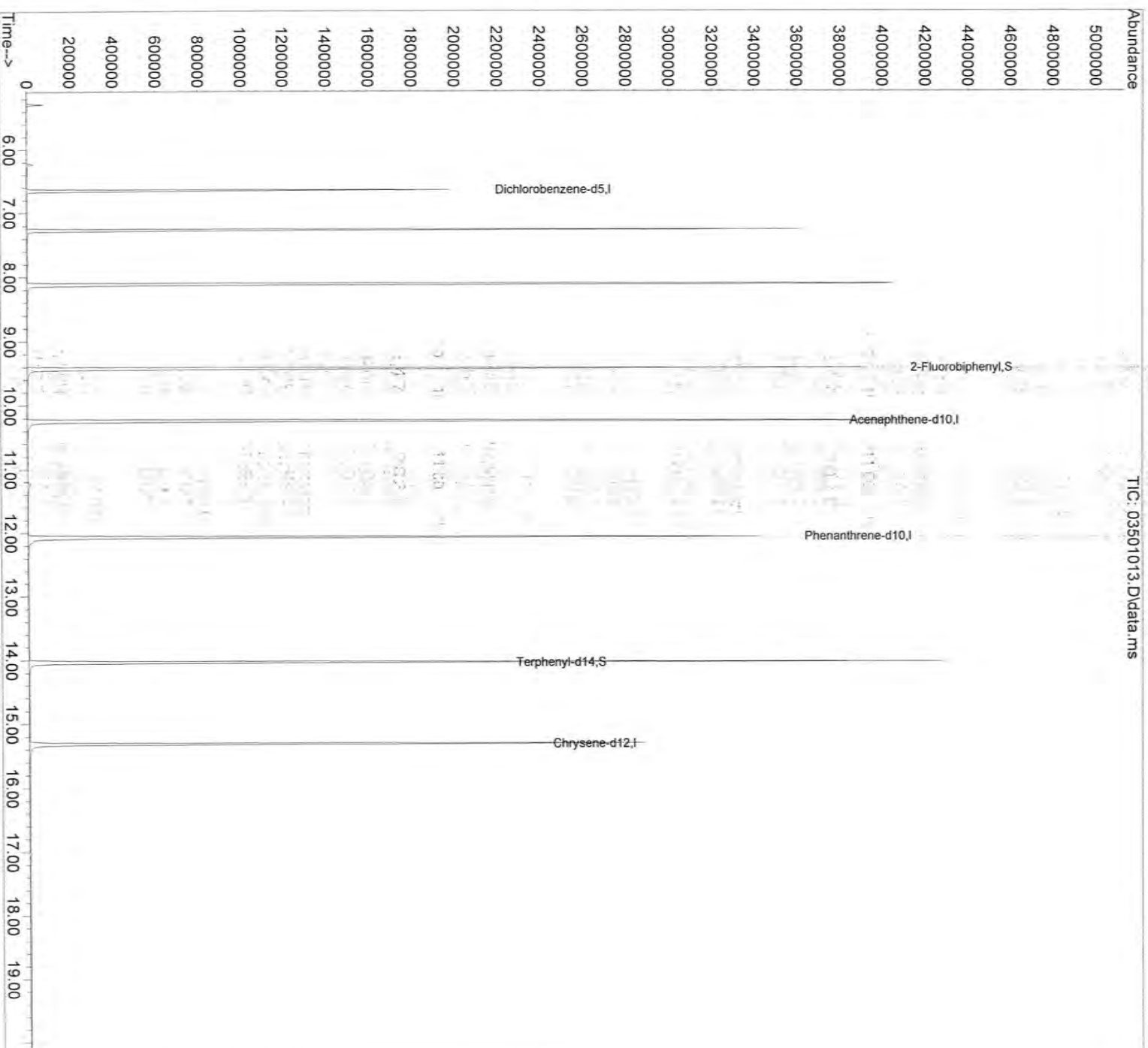
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03501013.D
 Acq On : 12 Mar 2021 1:14 pm
 Operator : TGT
 Sample : BBC0286-BLK1
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 12 13:45:22 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 Qlast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03601014.D
 Acq On : 12 Mar 2021 1:41 pm
 Operator : TGT
 Sample : WBB0617-25
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 12 14:03:10 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

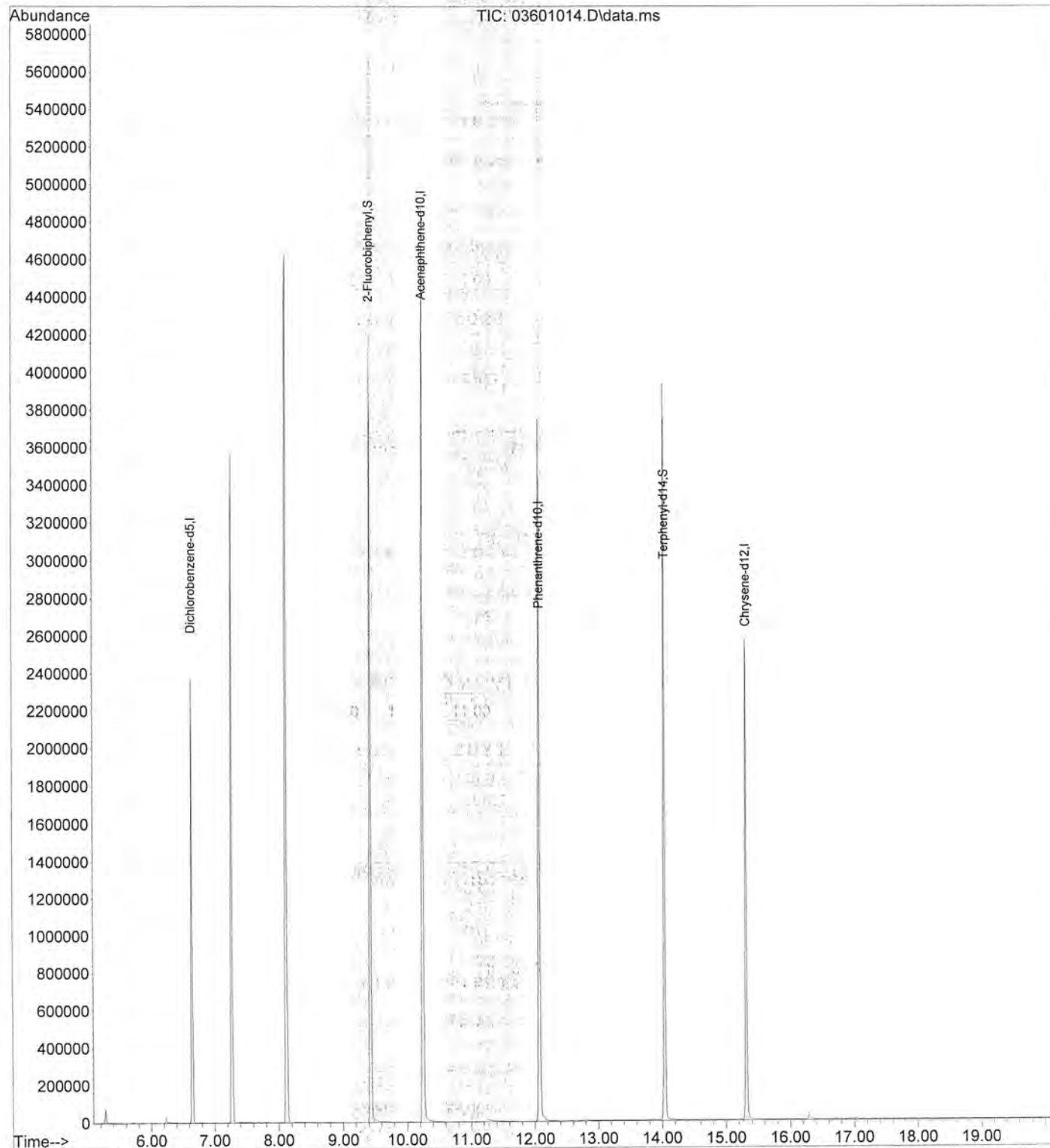
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.653	150	24678539	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.257	164	35440939	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.082	188	52999307	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.322	240	35231290	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.435	172	49033387	18.10	ug/mL	0.00
9) Terphenyl-d14	14.047	244	44158811	22.82	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	91.28%	

Target Compounds Qvalue

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03601014.D
Acq On : 12 Mar 2021 1:41 pm
Operator : TGT
Sample : WBB0617-25
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 12 14:03:10 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
 Data File : 03701015.D
 Acq On : 12 Mar 2021 2:07 pm
 Operator : TGT
 Sample : WBB0617-24
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 12 14:30:38 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Fri Mar 12 09:37:25 2021
 Response via : Initial Calibration

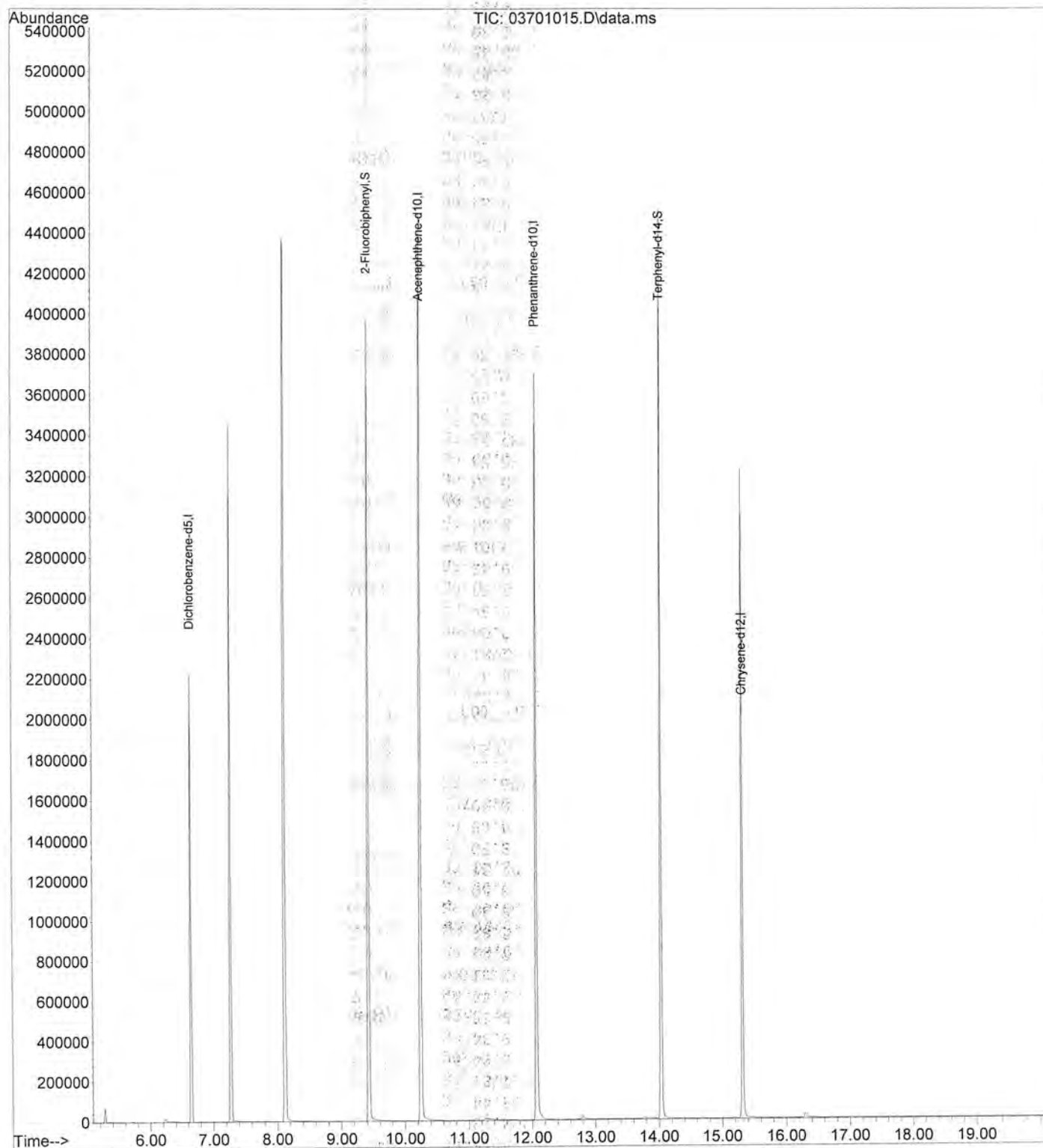
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.653	150	23541543	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.256	164	34228427	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.081	188	51734929	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.321	240	36592732	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.435	172	48338841	18.71	ug/mL	0.00
9) Terphenyl-d14	14.047	244	46049975	22.91	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	91.64%	

Target Compounds Qvalue

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03701015.D
Acq On : 12 Mar 2021 2:07 pm
Operator : TGT
Sample : WBB0617-24
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 12 14:30:38 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03801016.D
Acq On : 12 Mar 2021 2:34 pm
Operator : TGT
Sample : WBB0617-26
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 12 14:55:21 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration

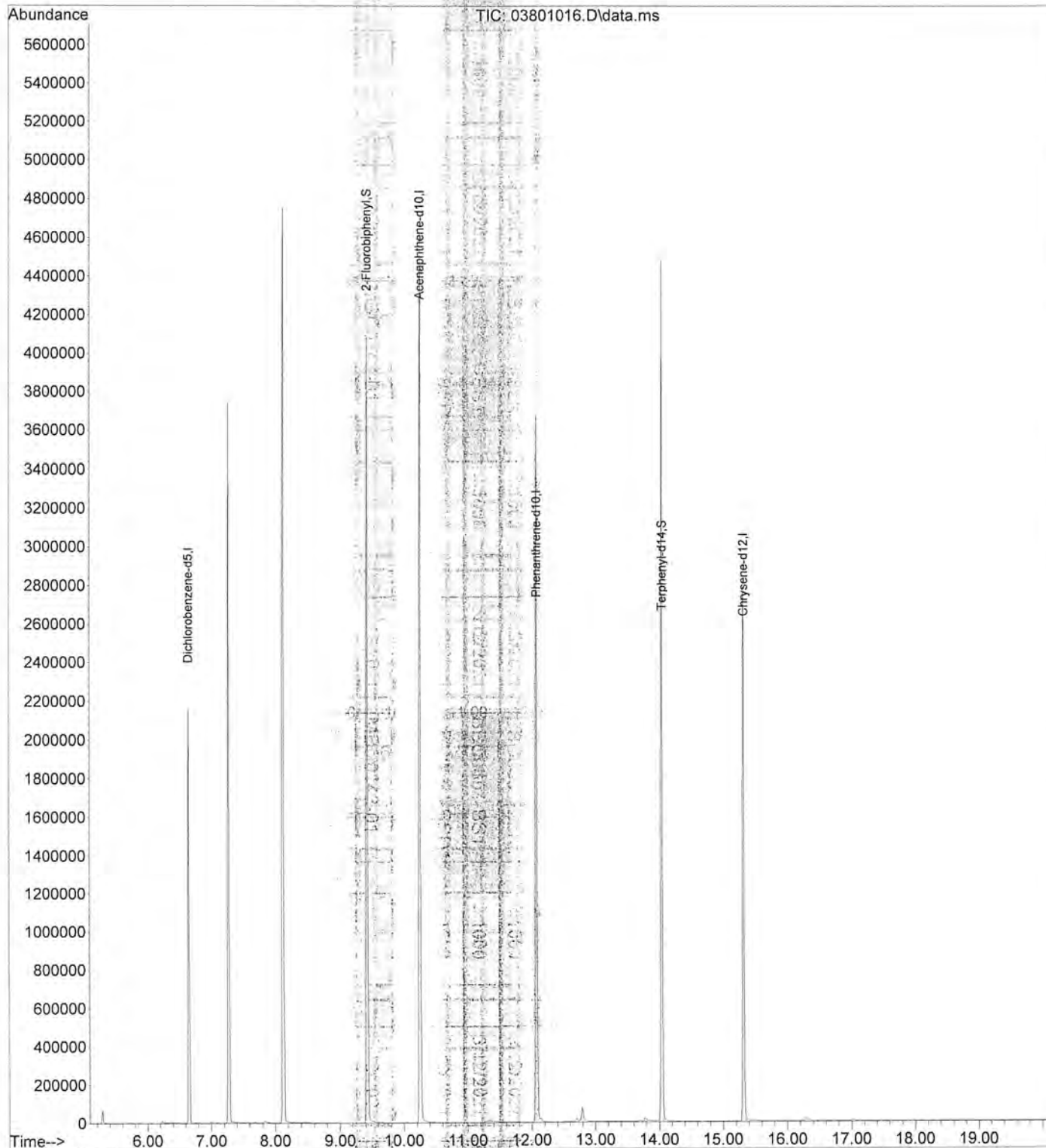
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.654	150	23470877	20.00	ug/mL	0.01
3) Acenaphthene-d10	10.257	164	34135108	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.082	188	52686238	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.323	240	37423189	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.435	172	50755156	19.70	ug/mL	0.00
9) Terphenyl-d14	14.047	244	47366085	23.04	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	92.16%	

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

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

Data Path : T:\Data1\MSD4\2021\MAR\12\
Data File : 03801016.D
Acq On : 12 Mar 2021 2:34 pm
Operator : TGT
Sample : WBB0617-26
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 12 14:55:21 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 09:37:25 2021
Response via : Initial Calibration



Starting sequence Wed Mar 03 10:56:13 2021

Instrument Name: MSD4

Sequence File: T:\Data1\MSD4\SEQUENCES\2021\MAR\02PSUP.s

Comment:

Operator: MAH

Data Path: T:\DATA1\MSD4\2021\MAR\03\

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

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	00101001	SVOCT1	SYS CHECK
2)	Sample	1	00102002	SVOCT1	SYS CHECK
3)	Sample	2	00201003	CARDSIM	10 PPM PEST ICAL
4)	Sample	3	00301004	CARDSIM	5 PPM PEST ICAL
5)	Sample	4	00401005	CARDSIM	2.5 PPM PEST ICAL
6)	Sample	5	00501006	CARDSIM	1 PPM PEST ICAL
7)	Sample	6	00601007	CARDSIM	0.5 PPM PEST ICAL
8)	Sample	7	00701008	CARDSIM	0.10 PPM PEST ICAL
9)	Sample	8	00801009	CARDSIM	0.05 PPM PEST ICAL
10)	Sample	11	01101010	CARDSIM	BBC0110-BS1
11)	Sample	12	01201011	CARDSIM	BBC0110-BSD1
12)	Sample	21	02101012	CARDSIM	BBC0111-BS1
13)	Sample	22	02201013	CARDSIM	BBC0111-BSD1
14)	Sample	13	01301014	CARDSIM	BBC0110-BLK1
15)	Sample	14	01401015	CARDSIM	WBB0617-05
16)	Sample	15	01501016	CARDSIM	WBB0617-08
17)	Sample	21	02101017	CARDSIM	BBC0111-BS1
18)	Sample	22	02201018	CARDSIM	BBC0111-BSD1
19)	Sample	23	02301019	CARDSIM	BBC0111-MS1
20)	Sample	24	02401020	CARDSIM	BBC0111-MSD1
21)	Sample	25	02501021	CARDSIM	BBC0111-BLK1
22)	Sample	26	02601022	CARDSIM	BBC0111-DUP1
23)	Sample	27	02701023	CARDSIM	WBB0717-05
24)	Sample	28	02801024	CARDSIM	WBB0717-08

Sequence completed Wed Mar 03 21:42:22 2021

T:\DATA1\MSD4\2021\MAR\03\2021 Mar 03 1056 Quality Log.LOG

T:\DATA1\MSD4\2021\MAR\03\2021 Mar 03 1056 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	2002553	2/22	1000
CLP Internal Standard	2003865	11/21	2000

Target Compound Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
Chlorpyrifos	2003215	6/25/23	1000
Metolachlor	2003216	3/5/23	1000
Atrazine	2003218	11/21/24	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 MeCl₂ (2003529).

Analyst Initials: Date of Preparation: 9/28/20 by TGT

Form CS06.00 – Eff 9 Mar 2015

Page 1 of 1

Page 148 of 196

Response Factor Report MSD4

Method Path : T:\Data1\MSD4\METHODS\2021\
Method File : Cardno0303.m
Title : EPA 8270D - GC MSD4
Last Update : Wed Mar 03 15:03:00 2021
Response Via : Initial Calibration

Calibration Files

0.05=00801009.D 10 =00201003.D 5 =00301004.D 2.5 =00401005.D 1 =00501006.D 0.5 =00601007.D
0.1 =00701008.D

	Compound	0.05	10	5	2.5	1	0.5	0.1	Avg	%RSD
1) I	Dichlorobenzene-d5	-----ISTD-----								
2) S	2-Fluorobiphenyl	1.822	1.821	1.821	1.778	1.767	1.845	1.837	1.813	1.60
3) I	Acenaphthene-d10	-----ISTD-----								
4)	Atrazine	0.134	0.299	0.302	0.222	0.193	0.155	0.126	0.204	36.11
5) I	Phenanthrene-d10	-----ISTD-----								
6)	Metolachlor	0.214	0.553	0.524	0.410	0.309	0.246	0.405	0.380	34.38
7)	Chlorpyrifos	0.049	0.119	0.120	0.101	0.087	0.072	0.098	0.092	27.72
8) I	Chrysene-d12	-----ISTD-----								
9) S	Terphenyl-d14	0.909	0.945	0.972	0.959	0.949	1.032	0.971	0.962	3.89

(#) = Out of Range

PREPARATION BENCH SHEET

Print Date/Time: 03/12/2021 3:28 pm

Organics

BBC0110

Matrix: Water

Prepared using: SVOC - SVOC Water

Analyses

SVOC 625 MISC

Spiking Solution(s)

Surrogate Solution(s)

2002552 CLP Acid Surr 2000
2002553 CLP B/N 1000

Lab Number	Sample and Source ID	Date Due	Extract by	Prepared	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
BBC0110-BLK1	Blank			2/24/2021 11:10:00AM	1000	1		25	
BBC0110-BS1	LCS			2/24/2021 11:10:00AM	1000	1		25	
BBC0110-BSD1	LCS Dup			2/24/2021 11:10:00AM	1000	1		25	
WBB0617-05	WW-3	03/05/2021	02/23/2021	2/24/2021 11:10:00AM	250	1		25	
WBB0617-08	E-2	03/05/2021	02/23/2021	2/24/2021 11:10:00AM	534	1		25	

Reagents

Standard	Description	LotNum
2000154	Acetone - GC grade	59074
2000155	H2SO4	58115
2003324	Dichloromethane	60192

Batch Comments:

Acidic start/stop time: 3PM- 8AM
Basic start/stop time: 8AM-3PM
Instrument: 7890/5975 GCMS
Ext. Method: 3520C liq-liq/Waste Dilution/Microextr
TurboVap: 01
Balance: 04
I.S2003865 2000ppm EXP 11/21

Analyst:

Date

Run Date:

Date

PREPARATION BENCH SHEET

Print Date/Time: 03/12/2021 3:29 pm

Organics

BBC0111

Matrix: Water

Prepared using: SVOC - SVOC Water

Analyses

SVOC 625 MISC

Spiking Solution(s)

Surrogate Solution(s)

2002552 CLP Acid Surr 2000
2002553 CLP B/N 1000

Lab Number	Sample and Source ID	Date Due	Extract by	Prepared	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
BBC0111-BLK1	Blank			3/1/2021 11:13:00AM	1000	1		25	
BBC0111-BS1	LCS			3/1/2021 11:13:00AM	1000	1		25	
BBC0111-BSD1	LCS Dup			3/1/2021 11:13:00AM	1000	1		25	
BBC0111-DUP1	Duplicate [WBB0717-05]			3/1/2021 11:13:00AM	1000	1		25	
BBC0111-MS1	Matrix Spike [WBB0717-05]			3/1/2021 11:13:00AM	250	1		25	
BBC0111-MSD1	Matrix Spike Dup [WBB0717-05]			3/1/2021 11:13:00AM	250	1		25	
WBB0717-05	WW-3	03/09/2021	02/27/2021	3/1/2021 11:13:00AM	250	1		25	
WBB0717-08	E-2	03/09/2021	02/27/2021	3/1/2021 11:13:00AM	1000	1		25	

Reagents

Standard	Description	LotNum
2000154	Acetone - GC grade	59074
2000155	H2SO4	58115
2003324	Dichloromethane	60192

Batch Comments:

Acidic start/stop time: 3PM- 8AM
Basic start/stop time: 8AM-3PM
Instrument: 7890/5975 GCMS
Ext. Method: 3520C liq-liq/Waste Dilution/Microextr
TurboVap: 01
Balance: 04
I.S2003865 2000ppm EXP 11/21

Analyst:

Date

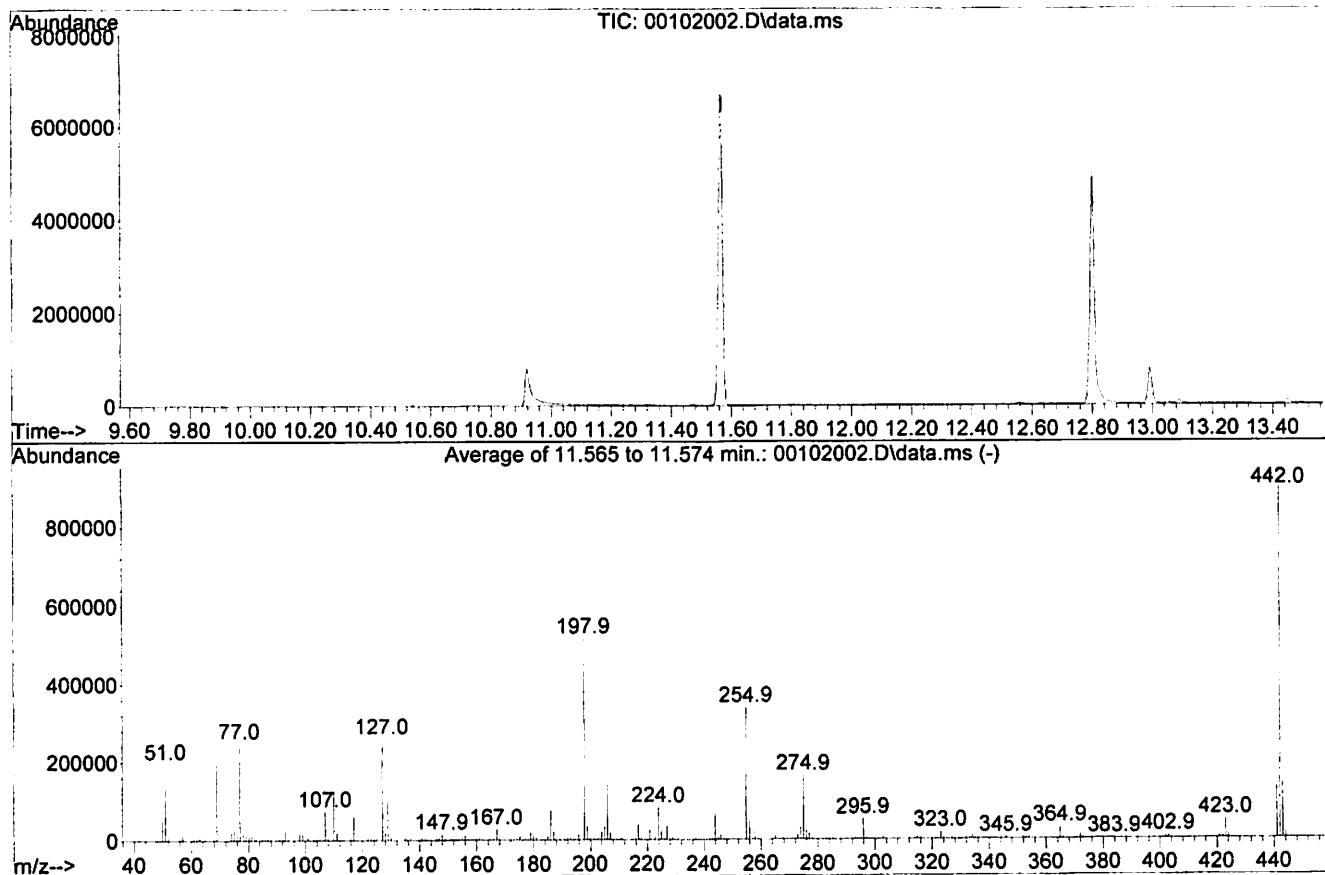
Run Date:

Date

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00102002.D
Acq On : 3 Mar 2021 11:25 am
Operator : MAH
Sample : SYS CHECK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : T:\Data1\MSD4\METHODS\2021\Cardno0311.m
Title : EPA 8270D - GC MSD4
Last Update : Fri Mar 12 09:37:25 2021



AutoFind: Scans 1968, 1969, 1970; Background Corrected with Scan 1944

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.0	196273	PASS
68	69	0.00	2	1.7	3338	PASS
69	198	0.00	100	37.8	195536	PASS
70	69	0.00	2	0.6	1089	PASS
127	198	25	75	50.4	260786	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	516928	PASS
199	198	5	9	6.8	35033	PASS
275	198	10	60	31.7	163888	PASS
365	198	0.00	100	5.7	29581	PASS
441	443	0.01	100	75.0	133203	PASS
442	198	39	200	175.7	908480	PASS
443	442	15	24	19.5	177536	PASS

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00201003.D
 Acq On : 3 Mar 2021 11:52 am
 Operator : MAH
 Sample : 10 PPM PEST ICAL
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

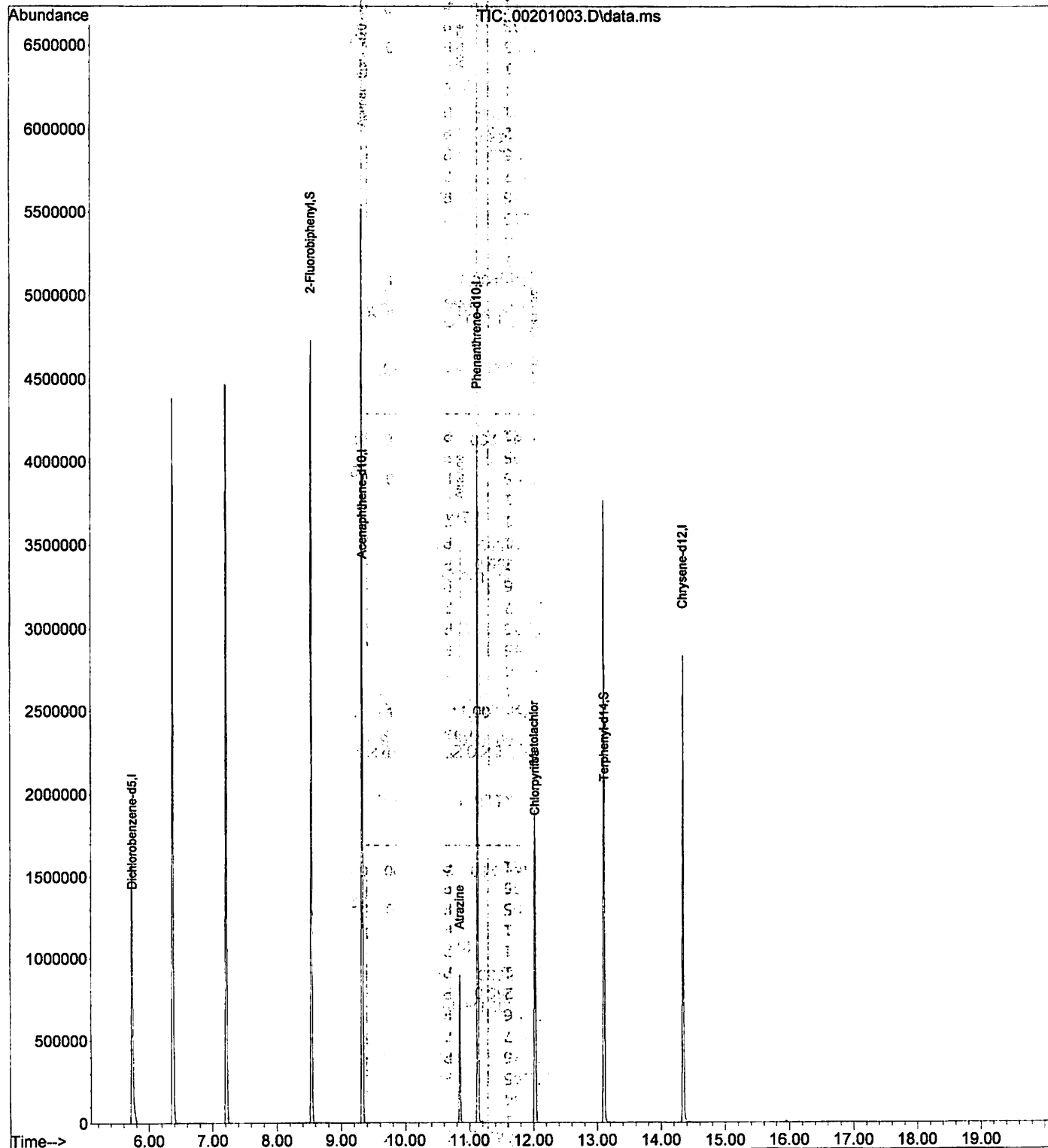
Quant Time: Mar 03 15:00:31 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:00:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	5.739	150	22796020	20.00	ppm	0.00
3) Acenaphthene-d10	9.333	164	30045722	20.00	ppm	# 0.00
5) Phenanthrene-d10	11.134	188	41931881	20.00	ppm	# 0.00
8) Chrysene-d12	14.352	240	29748632	20.00	ppm	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	51900614	25.11	ppm	0.00
9) Terphenyl-d14	13.111	244	35125371	24.54	ppm	0.00
Spiked Amount	25.000		Recovery	=	98.16%	
Target Compounds						
4) Atrazine	10.851	200	4492395m	9.77	ppm	Qvalue
6) Metolachlor	12.020	162	11598004m	9.83	ppm	
7) Chlorpyrifos	12.030	197	2501650m	9.84	ppm	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00201003.D
Acq On : 3 Mar 2021 11:52 am
Operator : MAH
Sample : 10 PPM PEST ICAL
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 03 15:00:31 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:00:12 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00301004.D
 Acq On : 3 Mar 2021 12:19 pm
 Operator : MAH
 Sample : 5 PPM PEST ICAL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

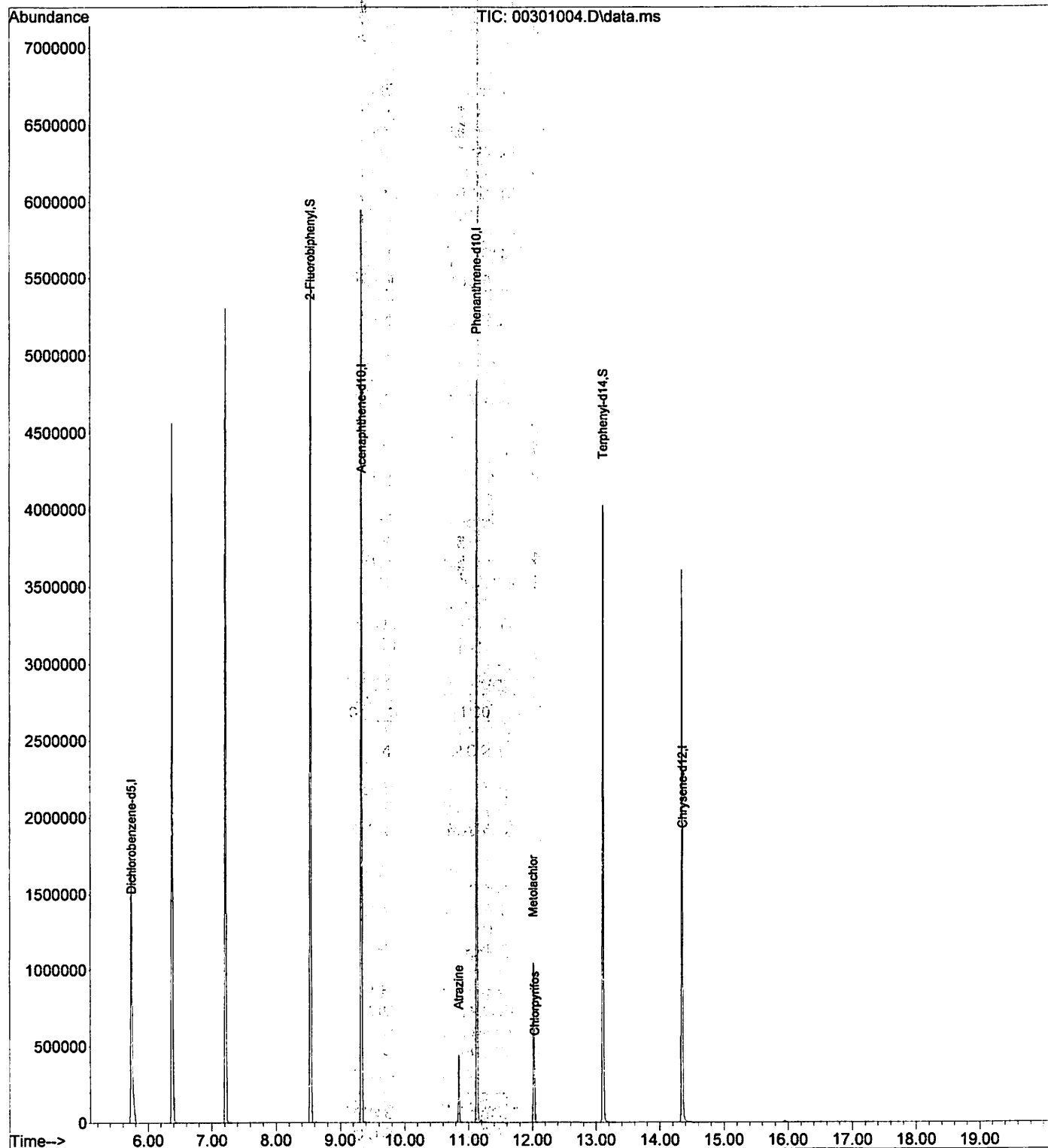
Quant Time: Mar 03 15:02:03 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:00:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	5.740	150	24938660	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.333	164	33741577	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.134	188	50988130	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240	38515824	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.546	172	56754750	25.10	ug/mL	0.00
9) Terphenyl-d14	13.114	244	46786293	25.25	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	101.00%	
Target Compounds						
4) Atrazine	10.851	200	2548042	5.65	ug/mL	98
6) Metolachlor	12.023	162	6673132	5.50	ug/mL	99
7) Chlorpyrifos	12.035	197	1532975	5.46	ug/mL	98

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00301004.D
Acq On : 3 Mar 2021 12:19 pm
Operator : MAH
Sample : 5 PPM PEST ICAL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 03 15:02:03 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:00:12 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00401005.D
 Acq On : 3 Mar 2021 12:46 pm
 Operator : MAH
 Sample : 2.5 PPM PEST ICAL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 03 15:03:26 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

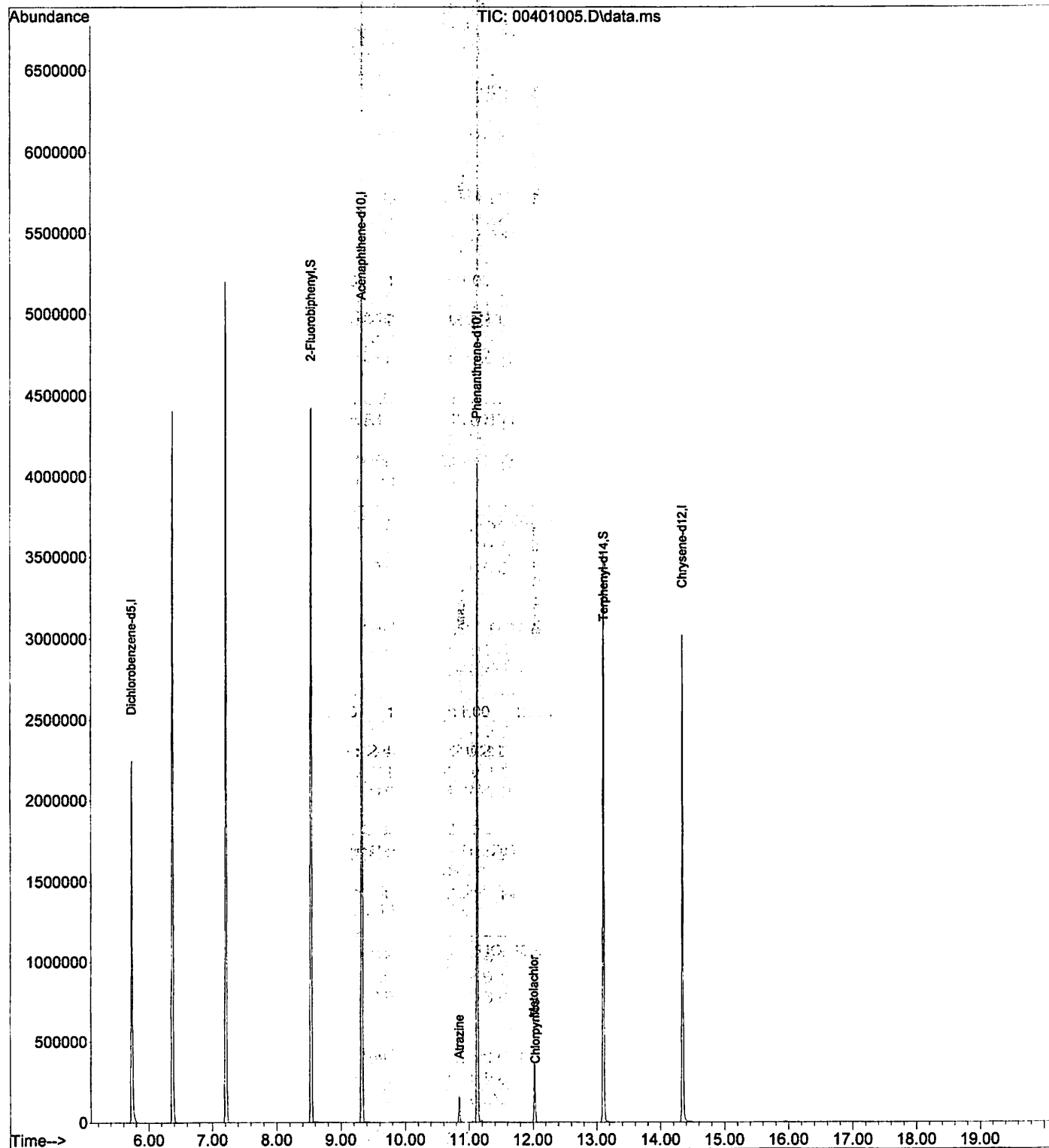
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.737	150	24302016	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.332	164	31846420	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.133	188	43806348	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	32685342	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.544	172	54024092	24.52	ug/mL	0.00
9) Terphenyl-d14	13.112	244	39172820	24.91	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	99.64%	
Target Compounds						
4) Atrazine	10.848	200	882761	2.30	ug/mL	98
6) Metolachlor	12.023	162	2242671	2.44	ug/mL	98
7) Chlorpyrifos	12.034	197	551215	2.43	ug/mL	99

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

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00401005.D
 Acq On : 3 Mar 2021 12:46 pm
 Operator : MAH
 Sample : 2.5 PPM PEST ICAL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 03 15:03:26 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00501006.D
 Acq On : 3 Mar 2021 1:13 pm
 Operator : MAH
 Sample : 1 PPM PEST ICAL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

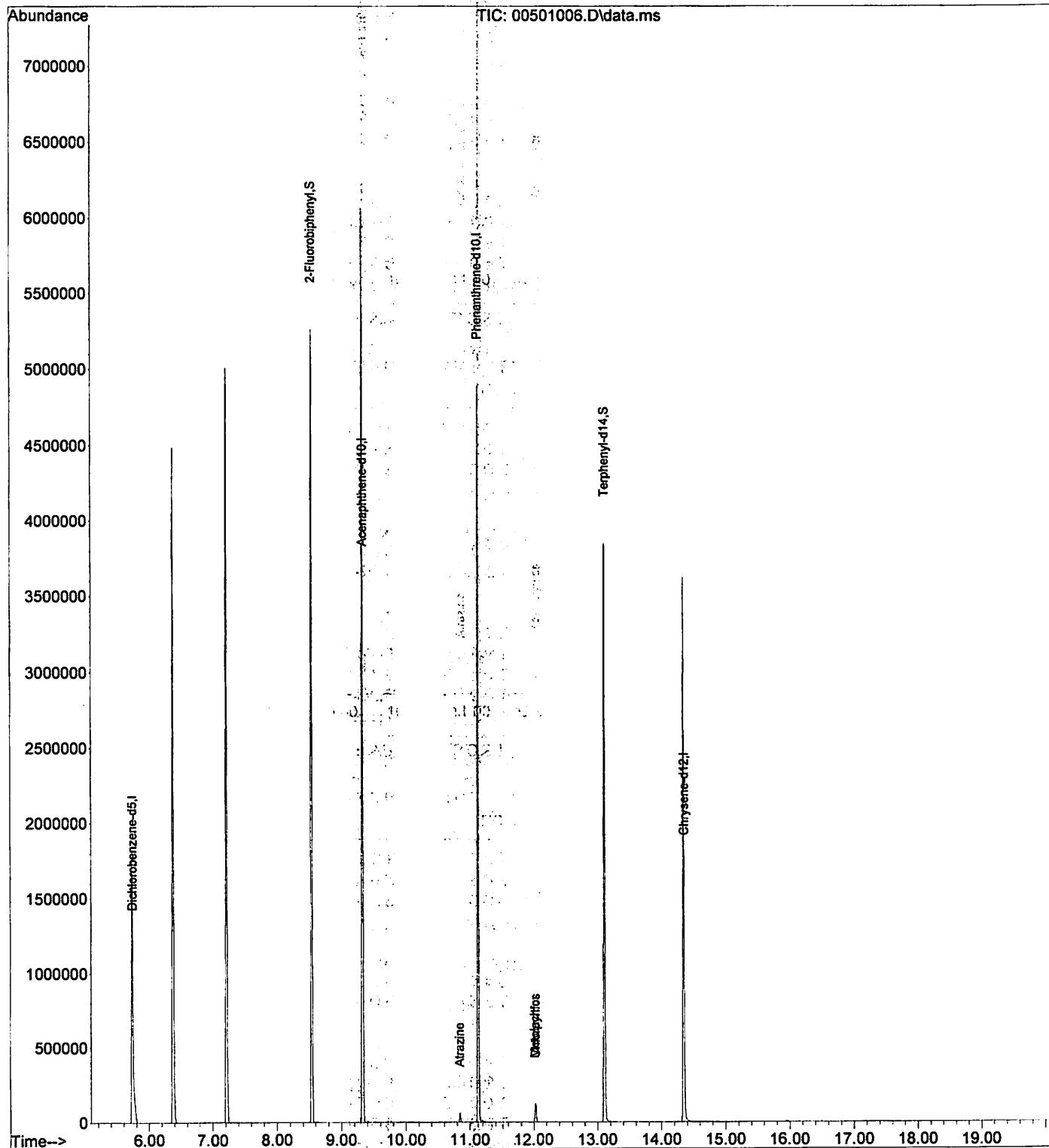
Quant Time: Mar 03 15:03:08 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	Q Ion	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	5.739	150	25176537	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.333	164	33418737	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.134	188	49599812	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	38470261	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	55621124	24.37	ug/mL	0.00
9) Terphenyl-d14	13.114	244	45634731	24.66	ug/mL	0.00
Spiked Amount	25.000			Recovery	=	98.64%
Target Compounds						
4) Atrazine	10.843	200	334250m	0.90	ug/mL	Qvalue
6) Metolachlor	12.018	162	779590m	0.82	ug/mL	
7) Chlorpyrifos	12.029	197	220554m	0.90	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00501006.D
Acq On : 3 Mar 2021 1:13 pm
Operator : MAH
Sample : 1 PPM PEST ICAL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 03 15:03:08 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00601007.D
 Acq On : 3 Mar 2021 1:40 pm
 Operator : MAH
 Sample : 0.5 PPM PEST ICAL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

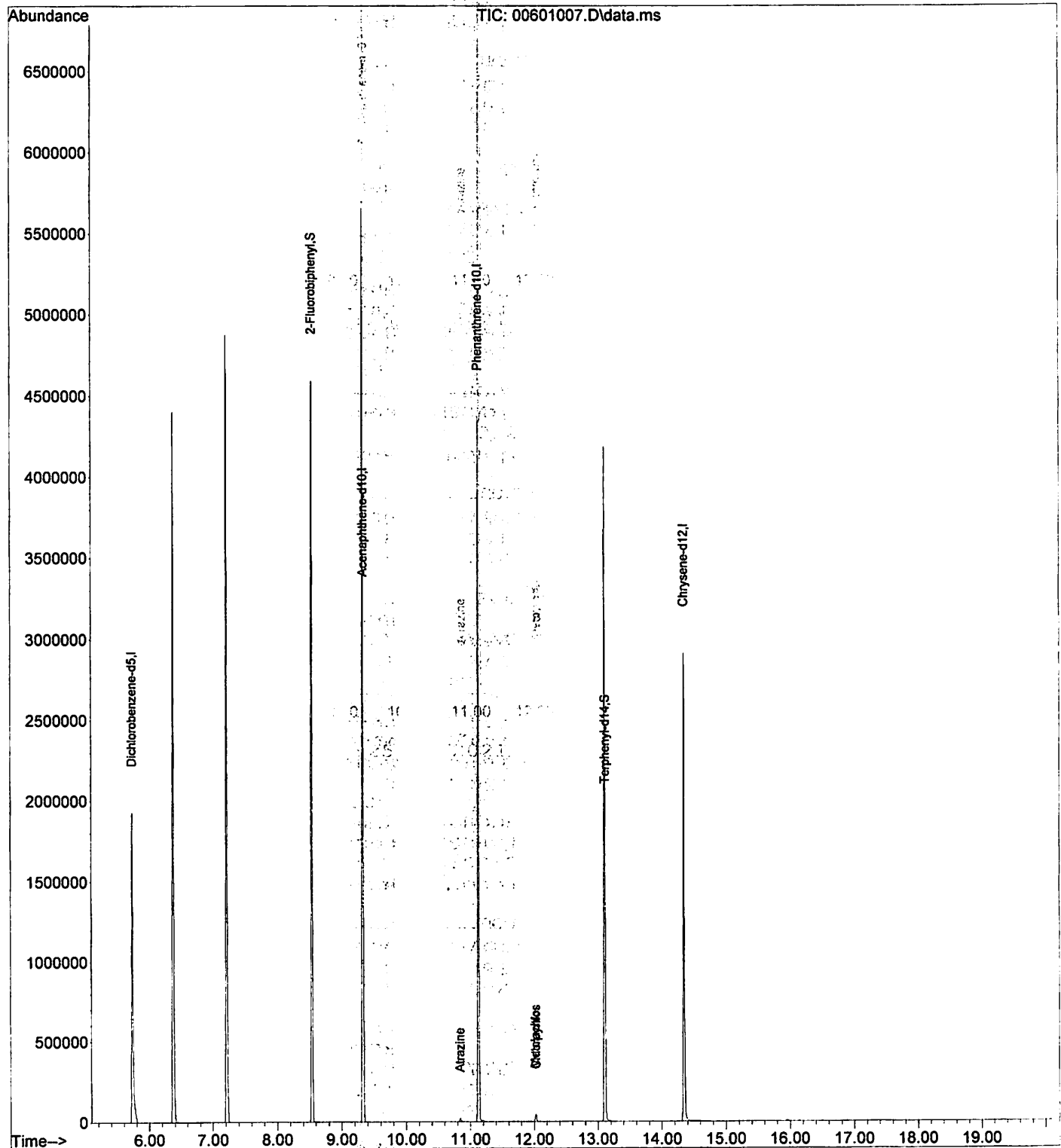
Quant Time: Mar 03 15:04:41 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Dichlorobenzene-d5	5.738	150	22967569	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.332	164	31327656	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.134	188	45347405	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240	30021765	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.544	172	52967470	25.44	ug/mL	0.00
9) Terphenyl-d14	13.111	244	38726755	26.81	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	107.24%	
Target Compounds						
4) Atrazine	10.843	200	124321m	0.39	ug/mL	Qvalue
6) Metolachlor	12.020	162	283927m	0.35	ug/mL	
7) Chlorpyrifos	12.034	197	81118	0.38	ug/mL	99

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00601007.D
Acq On : 3 Mar 2021 1:40 pm
Operator : MAH
Sample : 0.5 PPM PEST ICAL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 03 15:04:41 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00701008.D
 Acq On : 3 Mar 2021 2:07 pm
 Operator : MAH
 Sample : 0.10 PPM PEST ICAL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

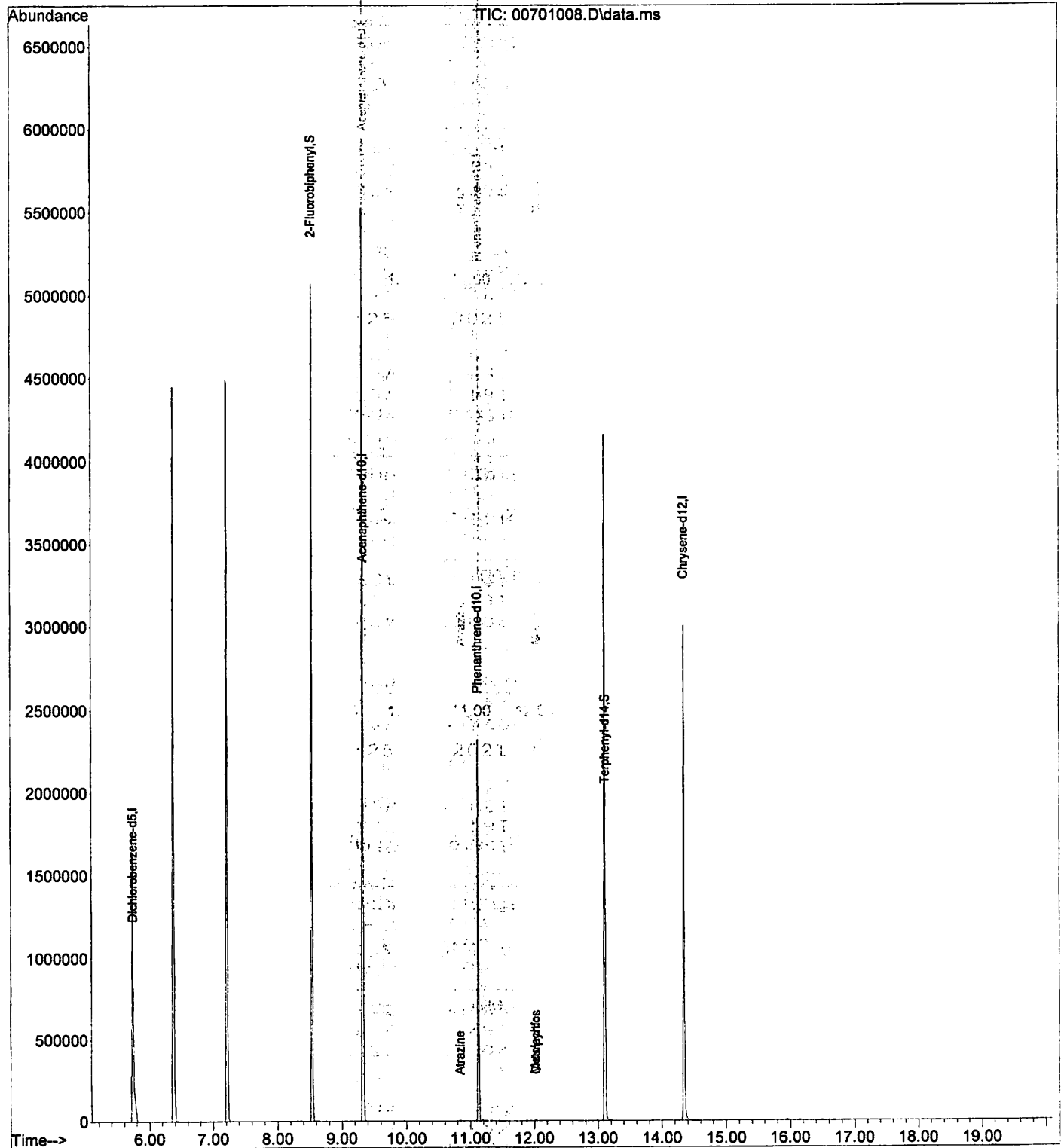
Quant Time: Mar 03 15:03:39 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.739	150	23325242	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.332	164	30679135	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.127	188	22078888	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240	30790476	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	53562048	25.33	ug/mL	0.00
9) Terphenyl-d14	13.111	244	37366169	25.22	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	100.88%	
Target Compounds						
4) Atrazine	10.843	200	19090m	0.10	ug/mL	Qvalue
6) Metolachlor	12.021	162	44673	0.13	ug/mL	98
7) Chlorpyrifos	12.030	197	10551m	0.12	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00701008.D
Acq On : 3 Mar 2021 2:07 pm
Operator : MAH
Sample : 0.10 PPM PEST ICAL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 03 15:03:39 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 00801009.D
 Acq On : 3 Mar 2021 2:34 pm
 Operator : MAH
 Sample : 0.05 PPM PEST ICAL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

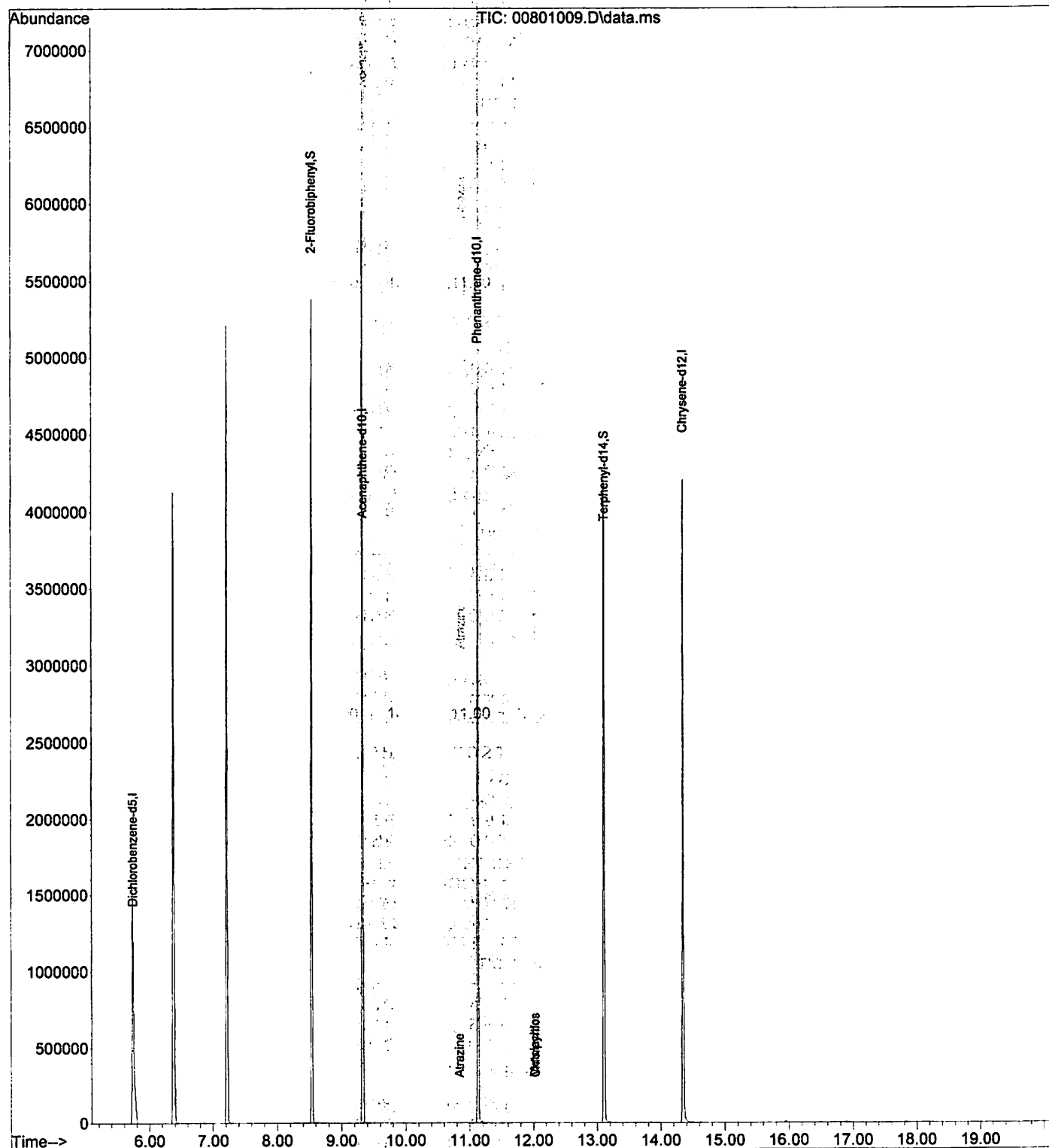
Quant Time: Mar 03 15:04:04 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.740	150	24399123	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.333	164	33303470	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.135	188	50824187	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.353	240	42655800	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	55555798	25.12	ug/mL	0.00
9) Terphenyl-d14	13.114	244	48454665	23.61	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	94.44%	
Target Compounds						
4) Atrazine	10.843	200	10705m	0.07	ug/mL	Qvalue
6) Metolachlor	12.021	162	26741	0.05	ug/mL#	29
7) Chlorpyrifos	12.030	197	6185m	0.05	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 00801009.D
Acq On : 3 Mar 2021 2:34 pm
Operator : MAH
Sample : 0.05 PPM PEST ICAL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 03 15:04:04 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 01101010.D
 Acq On : 3 Mar 2021 3:02 pm
 Operator : MAH
 Sample : BBC0110-BS1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

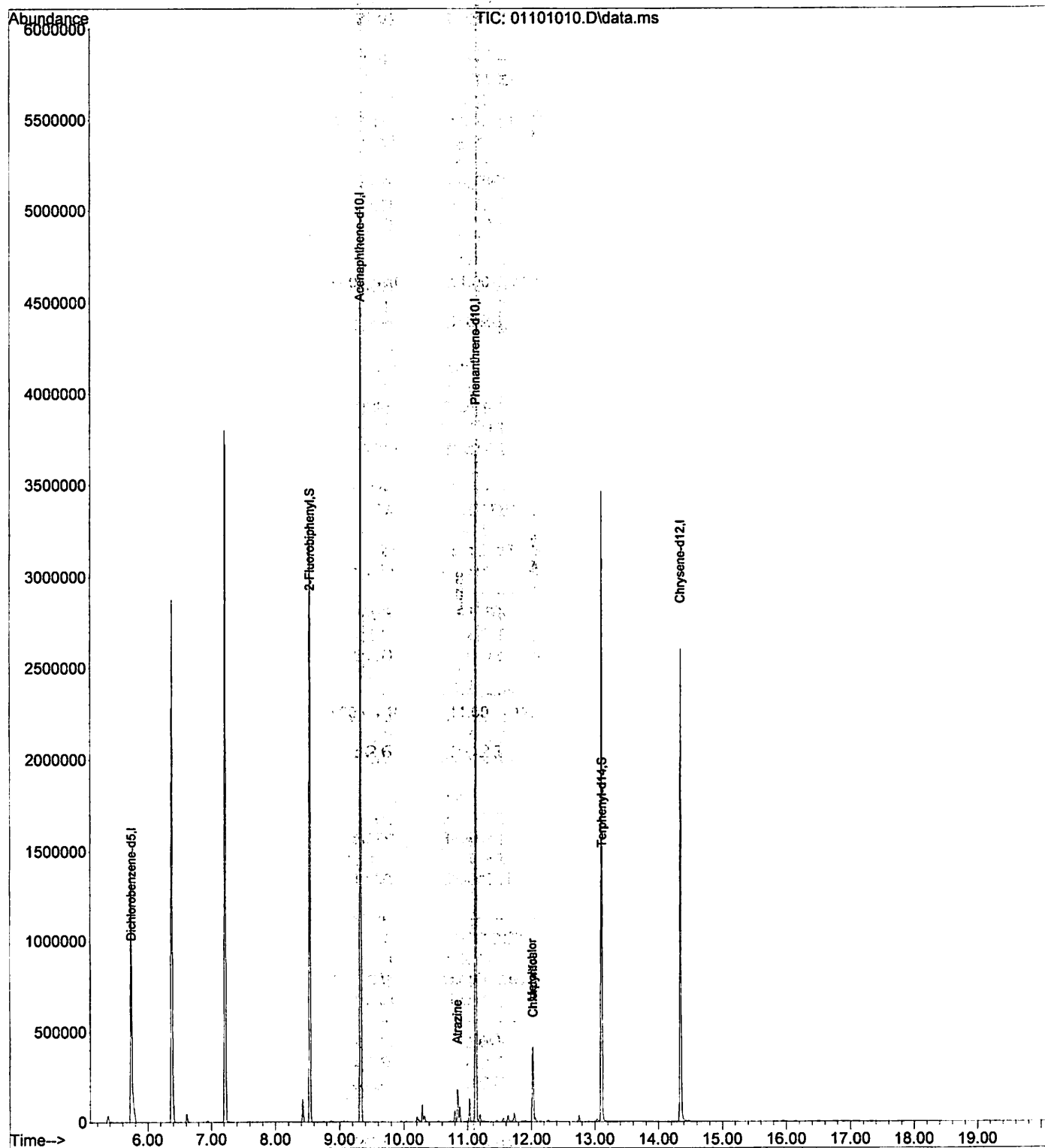
Quant Time: Mar 03 15:26:12 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.739	150	18738368	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.331	164	26059862	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.133	188	38863219	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	28023813	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.542	172	34989475	20.60	ug/mL	0.00
9) Terphenyl-d14	13.111	244	30633183	22.72	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	90.88%	
Target Compounds						
4) Atrazine	10.843	200	1007475m	3.11	ug/mL	Qvalue
6) Metolachlor	12.020	162	2527691m	3.02	ug/mL	
7) Chlorpyrifos	12.031	197	615361m	3.01	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 01101010.D
Acq On : 3 Mar 2021 3:02 pm
Operator : MAH
Sample : BBC0110-BS1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 03 15:26:12 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 01201011.D
 Acq On : 3 Mar 2021 3:29 pm
 Operator : MAH
 Sample : BBC0110-BSD1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

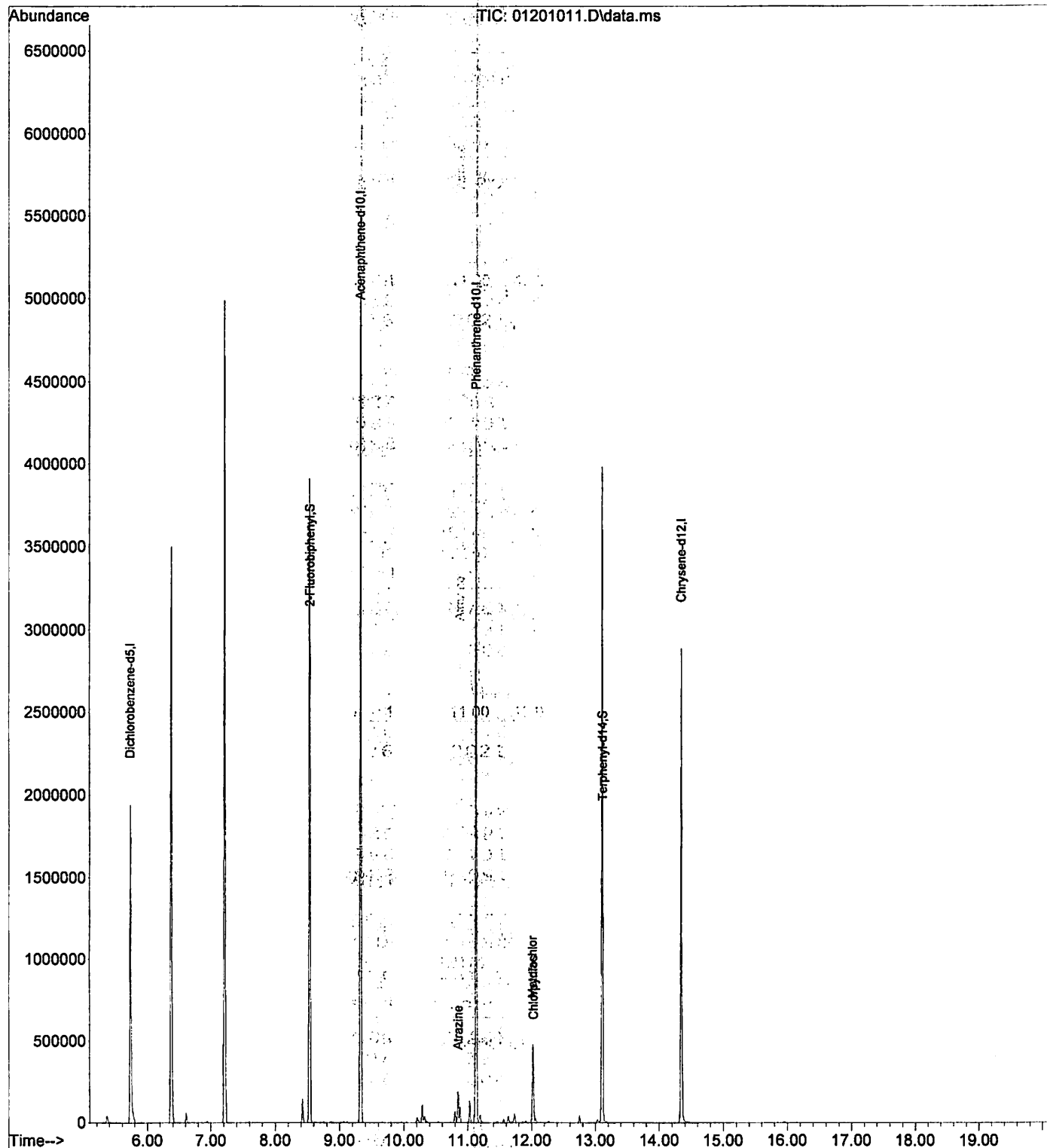
Quant Time: Mar 04 09:29:02 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.738	150	22359891	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.331	164	30521283	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.134	188	44619007	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	29920881	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.542	172	40894275	20.17	ug/mL	0.00
9) Terphenyl-d14	13.111	244	36672818	25.47	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	101.88%	
Target Compounds						
4) Atrazine	10.850	200	1142812	3.02	ug/mL#	87
6) Metolachlor	12.022	162	2926230	3.04	ug/mL	100
7) Chlorpyrifos	12.034	197	698456	2.98	ug/mL	99

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 01201011.D
Acq On : 3 Mar 2021 3:29 pm
Operator : MAH
Sample : BBC0110-BSD1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 04 09:29:02 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 01301014.D
Acq On : 3 Mar 2021 4:50 pm
Operator : MAH
Sample : BBC0110-BLK1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 04 09:29:20 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.741	150	25367891	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.334	164	34825981	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.136	188	53085416	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.353	240	43579985	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	49202112	21.40	ug/mL	0.00
9) Terphenyl-d14	13.114	244	47925156	22.86	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	91.44%	

Target Compounds

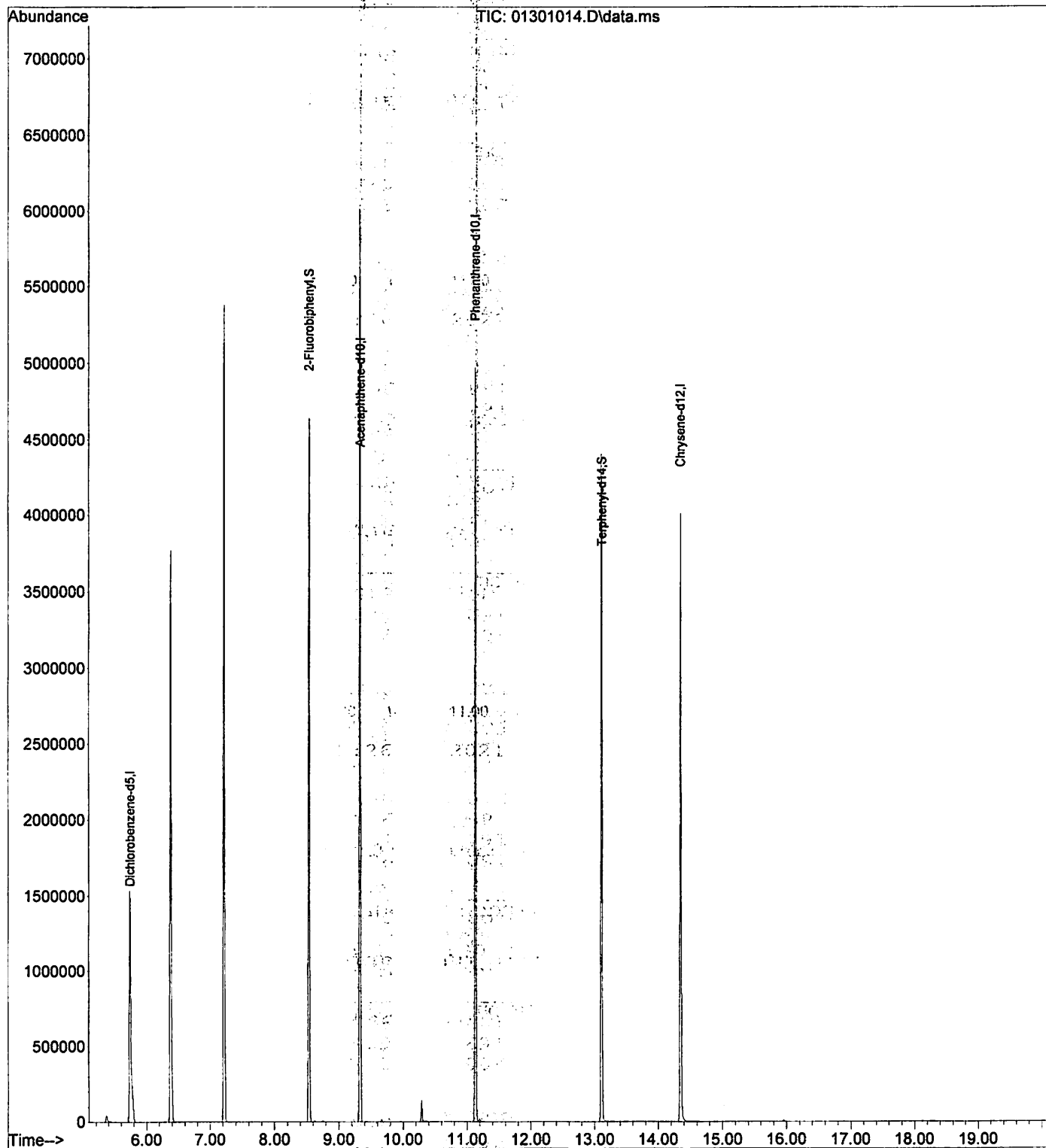
Qvalue

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

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 01301014.D
 Acq On : 3 Mar 2021 4:50 pm
 Operator : MAH
 Sample : BBC0110-BLK1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 04 09:29:20 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 01401015.D
 Acq On : 3 Mar 2021 5:17 pm
 Operator : MAH
 Sample : WBB0617-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 04 09:29:30 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

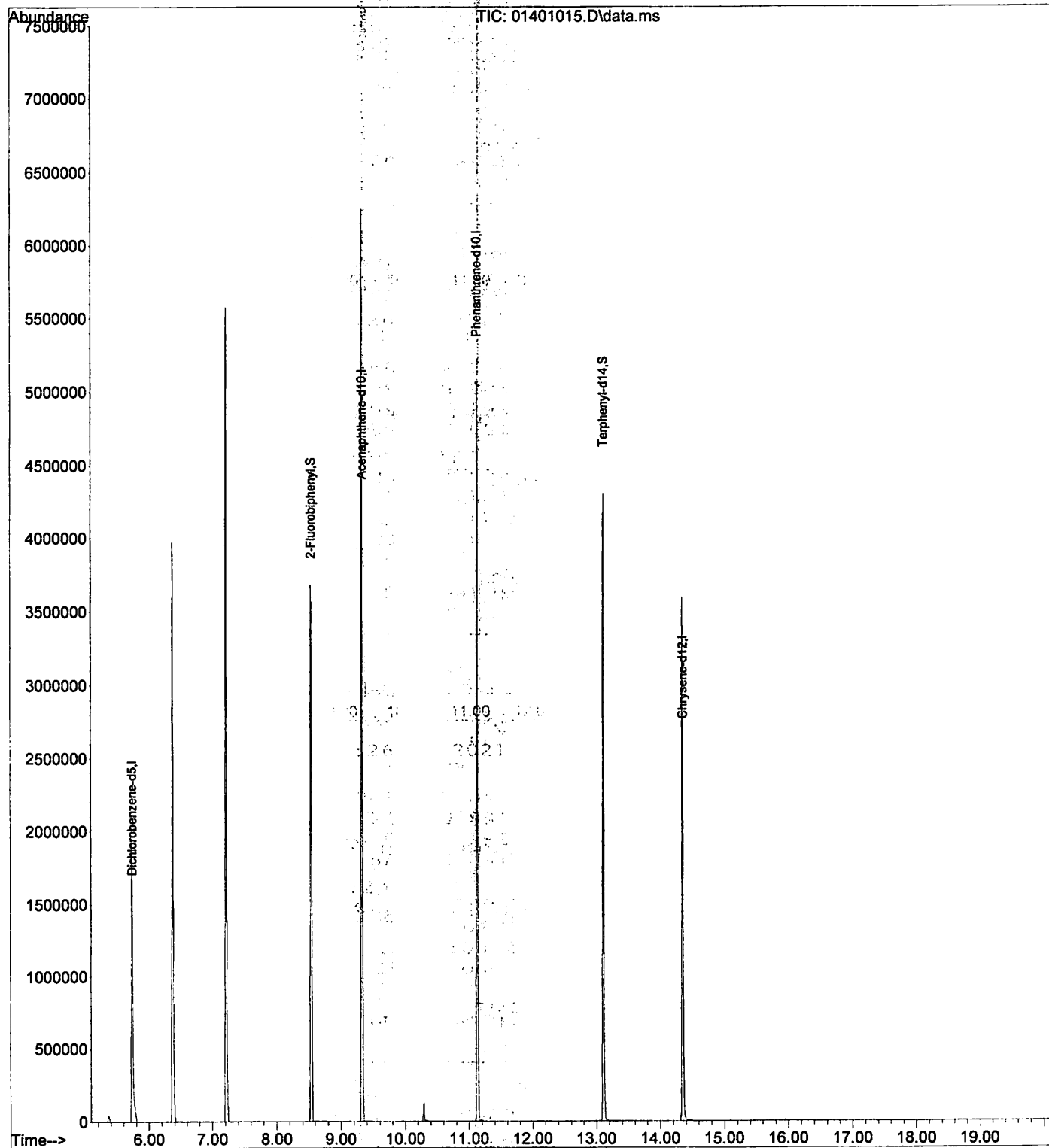
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.740	150	26785490	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.333	164	36087048	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.135	188	54753314	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.353	240	43319961	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.543	172	41943708	17.27	ug/mL	0.00
9) Terphenyl-d14	13.115	244	47926526	22.99	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	91.96%	

Target Compounds Qvalue

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 01401015.D
Acq On : 3 Mar 2021 5:17 pm
Operator : MAH
Sample : WBB0617-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 04 09:29:30 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 01501016.D
 Acq On : 3 Mar 2021 5:44 pm
 Operator : MAH
 Sample : WBB0617-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 04 09:29:40 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

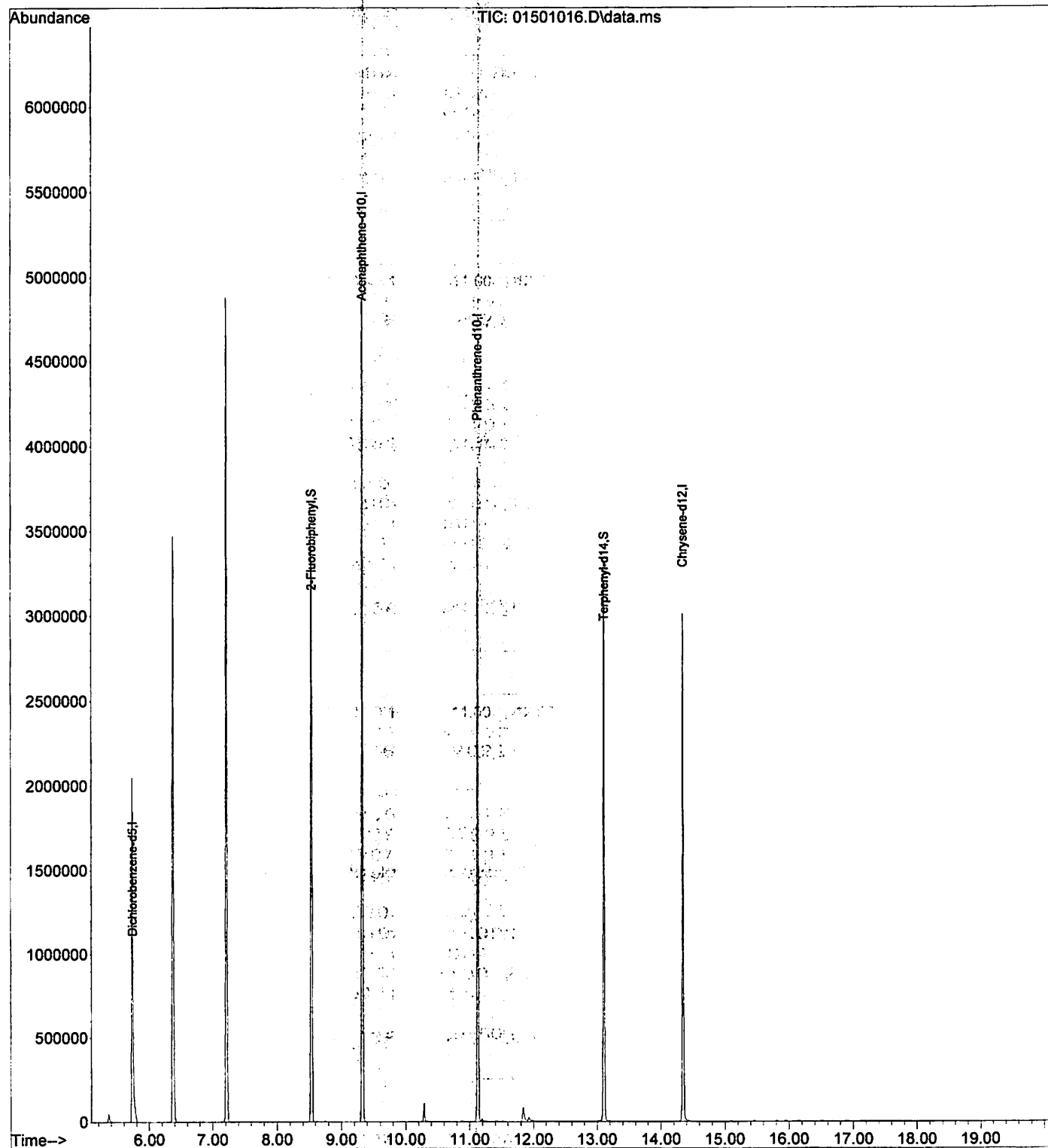
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.738	150	24181390	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.332	164	30513193	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.133	188	42681433	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	30896390	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.542	172	39109762	17.84	ug/mL	0.00
9) Terphenyl-d14	13.112	244	36803510	24.76	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	99.04%	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 01501016.D
Acq On : 3 Mar 2021 5:44 pm
Operator : MAH
Sample : WBB0617-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 04 09:29:40 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02101012.D
 Acq On : 3 Mar 2021 3:56 pm
 Operator : MAH
 Sample : BBC0111-BS1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

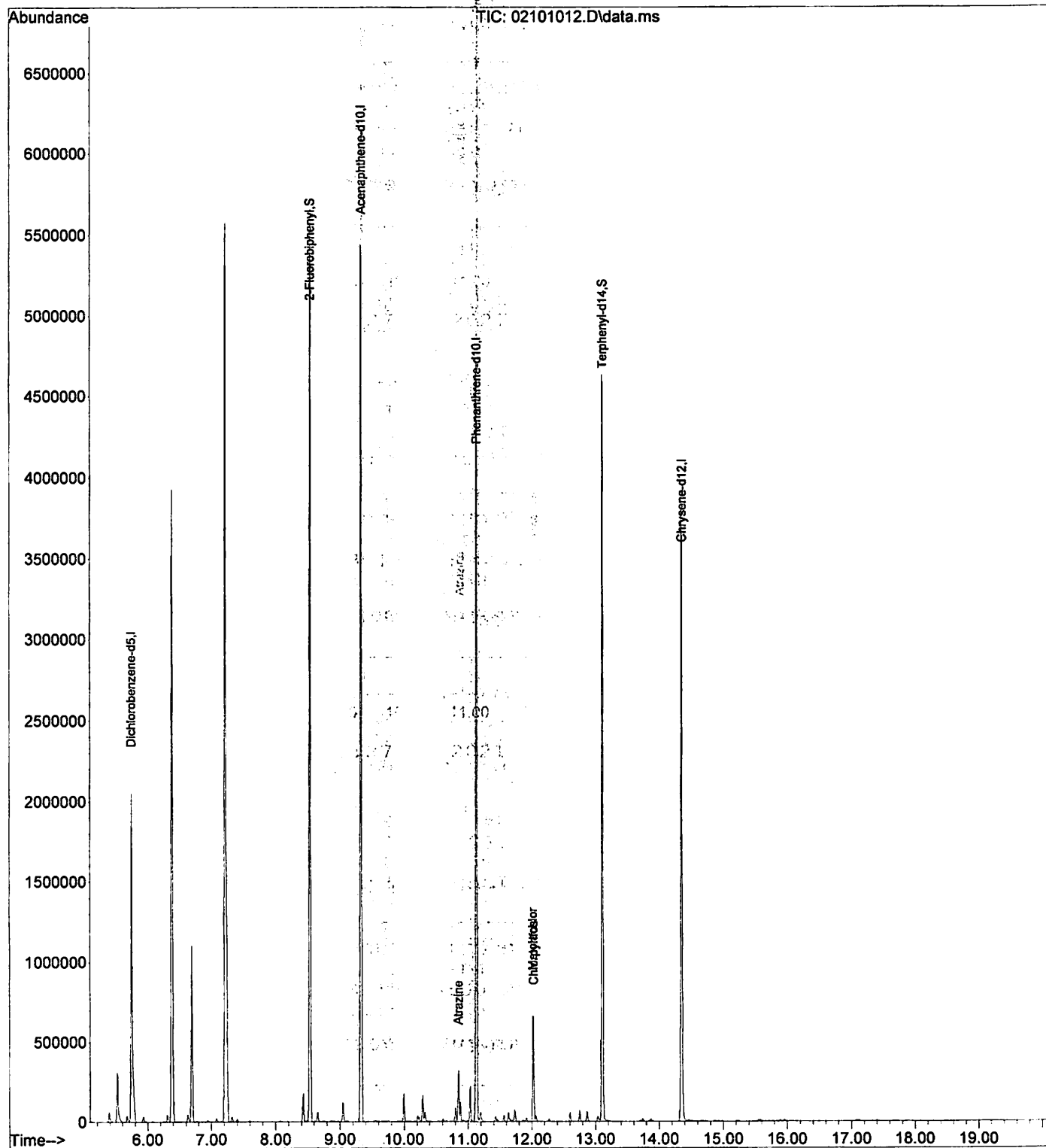
Quant Time: Mar 04 09:30:14 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.747	150	27535360	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.335	164	37675143	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.138	188	59979689	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.356	240	50319396	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.546	172	58831873	23.57	ug/mL	0.00
9) Terphenyl-d14	13.115	244	54601292	22.55	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	90.20%	
Target Compounds						
4) Atrazine	10.854	200	1642033	3.46	ug/mL	Qvalue 93
6) Metolachlor	12.024	162	4245643	3.25	ug/mL	100
7) Chlorpyrifos	12.030	197	885938m	2.82	ug/mL	

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02101012.D
Acq On : 3 Mar 2021 3:56 pm
Operator : MAH
Sample : BBC0111-BS1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 04 09:30:14 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02101017.D
 Acq On : 3 Mar 2021 6:11 pm
 Operator : MAH
 Sample : BBC0111-BS1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

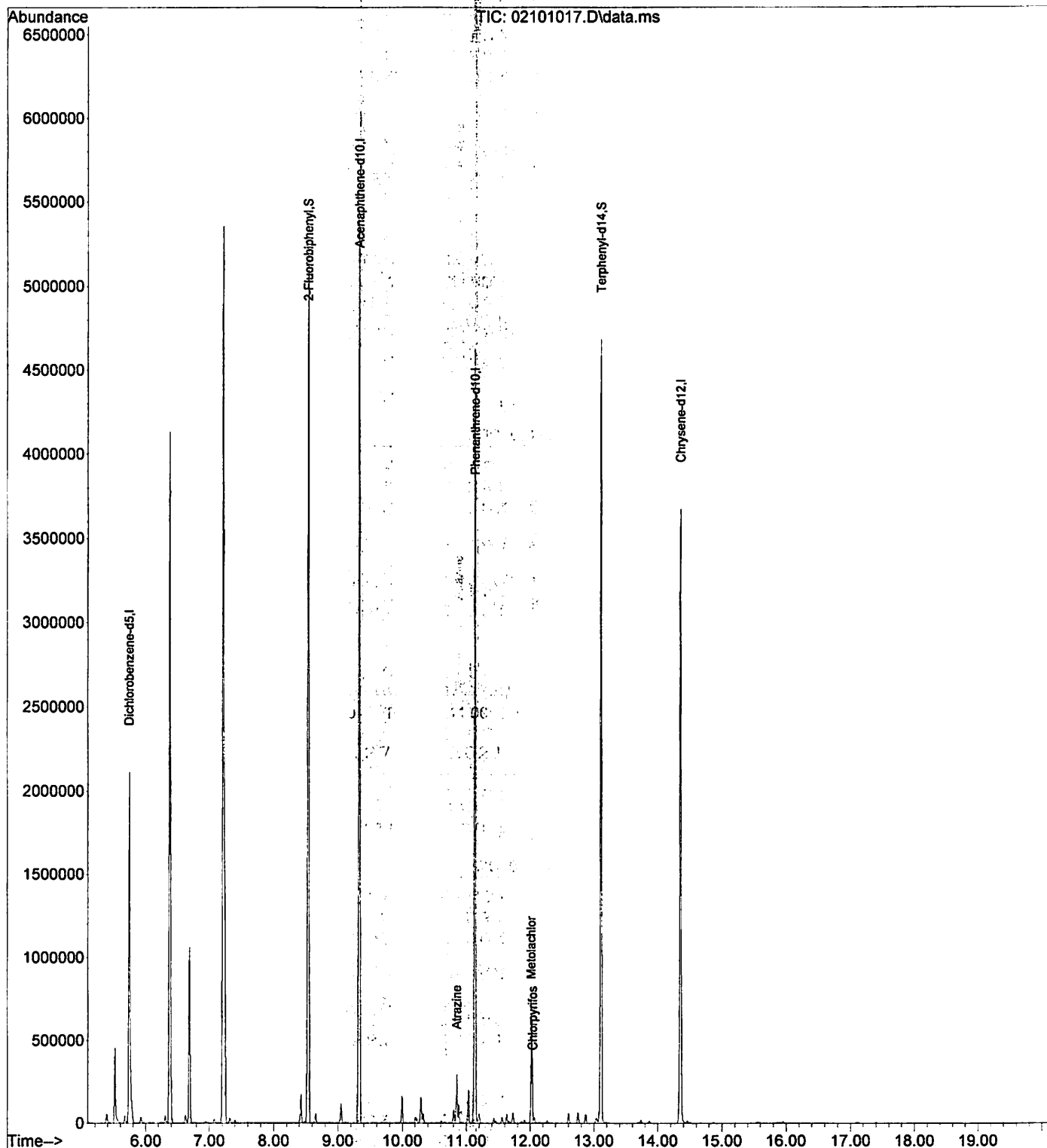
Quant Time: Mar 04 09:30:35 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.745	150	27819682	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.335	164	37222514	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.138	188	58085285	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.357	240	46901164	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	57965516	22.98	ug/mL	0.00
9) Terphenyl-d14	13.114	244	54094844	23.97	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	95.88%	
Target Compounds						
4) Atrazine	10.853	200	1583175	3.39	ug/mL	96
6) Metolachlor	12.023	162	4150374	3.27	ug/mL	99
7) Chlorpyrifos	12.035	197	852209	2.80	ug/mL	98

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02101017.D
Acq On : 3 Mar 2021 6:11 pm
Operator : MAH
Sample : BBC0111-BS1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 04 09:30:35 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02201013.D
 Acq On : 3 Mar 2021 4:23 pm
 Operator : MAH
 Sample : BBC0111-BSD1
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 04 09:30:43 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

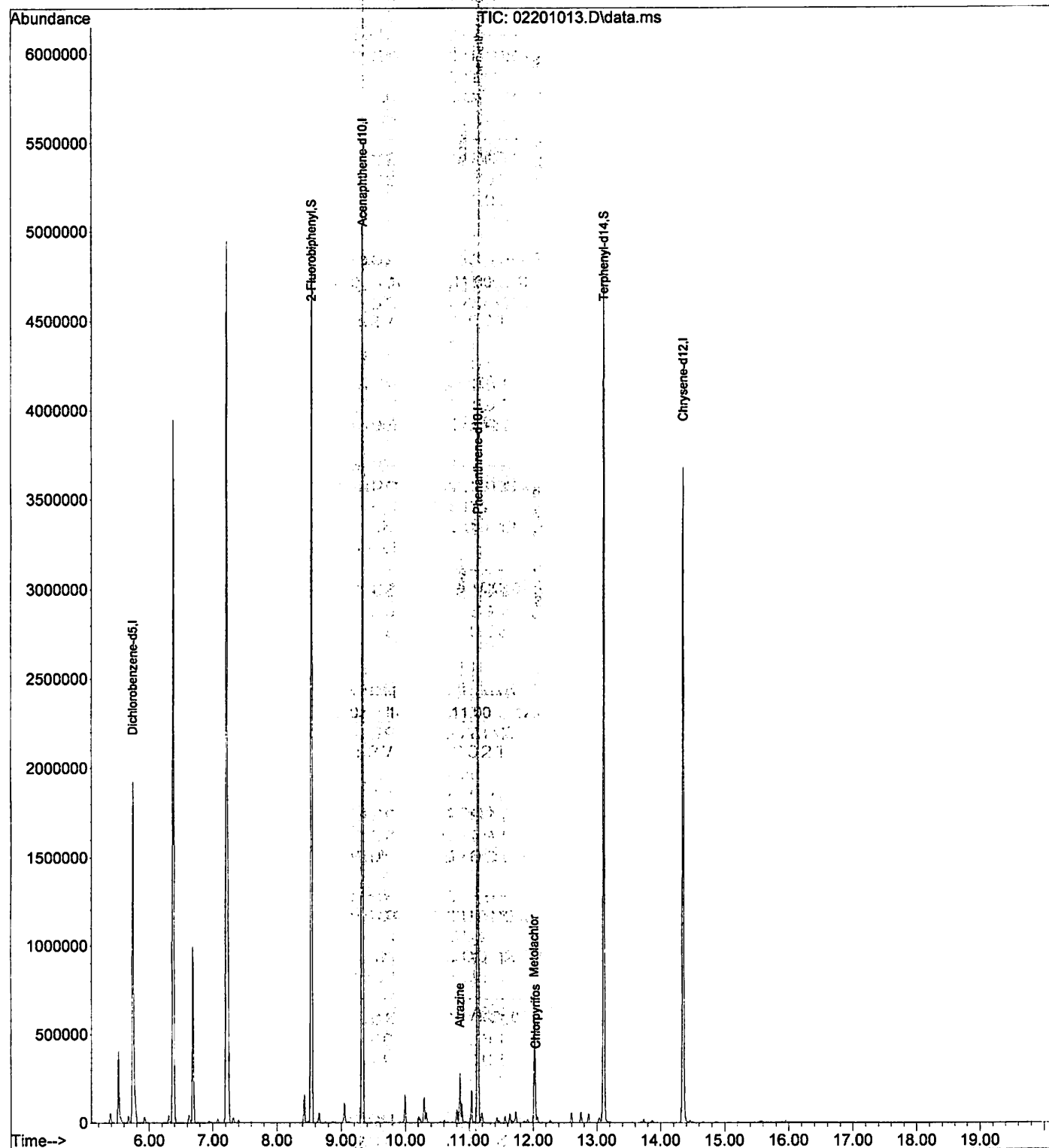
Compound	R.T.	Q Ion	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.745	150	26121119	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.335	164	35158593	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.137	188	55868519	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.357	240	47886027	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	55308522	23.36	ug/mL	0.00
9) Terphenyl-d14	13.116	244	53092748	23.04	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	92.16%	
Target Compounds						
4) Atrazine	10.853	200	1501308	3.40	ug/mL	93
6) Metolachlor	12.023	162	3935831	3.23	ug/mL	100
7) Chlorpyrifos	12.035	197	819343	2.80	ug/mL	97

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

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02201013.D
 Acq On : 3 Mar 2021 4:23 pm
 Operator : MAH
 Sample : BBC0111-BSD1
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 04 09:30:43 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02301019.D
 Acq On : 3 Mar 2021 7:05 pm
 Operator : MAH
 Sample : BBC0111-MS1
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 04 09:31:23 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

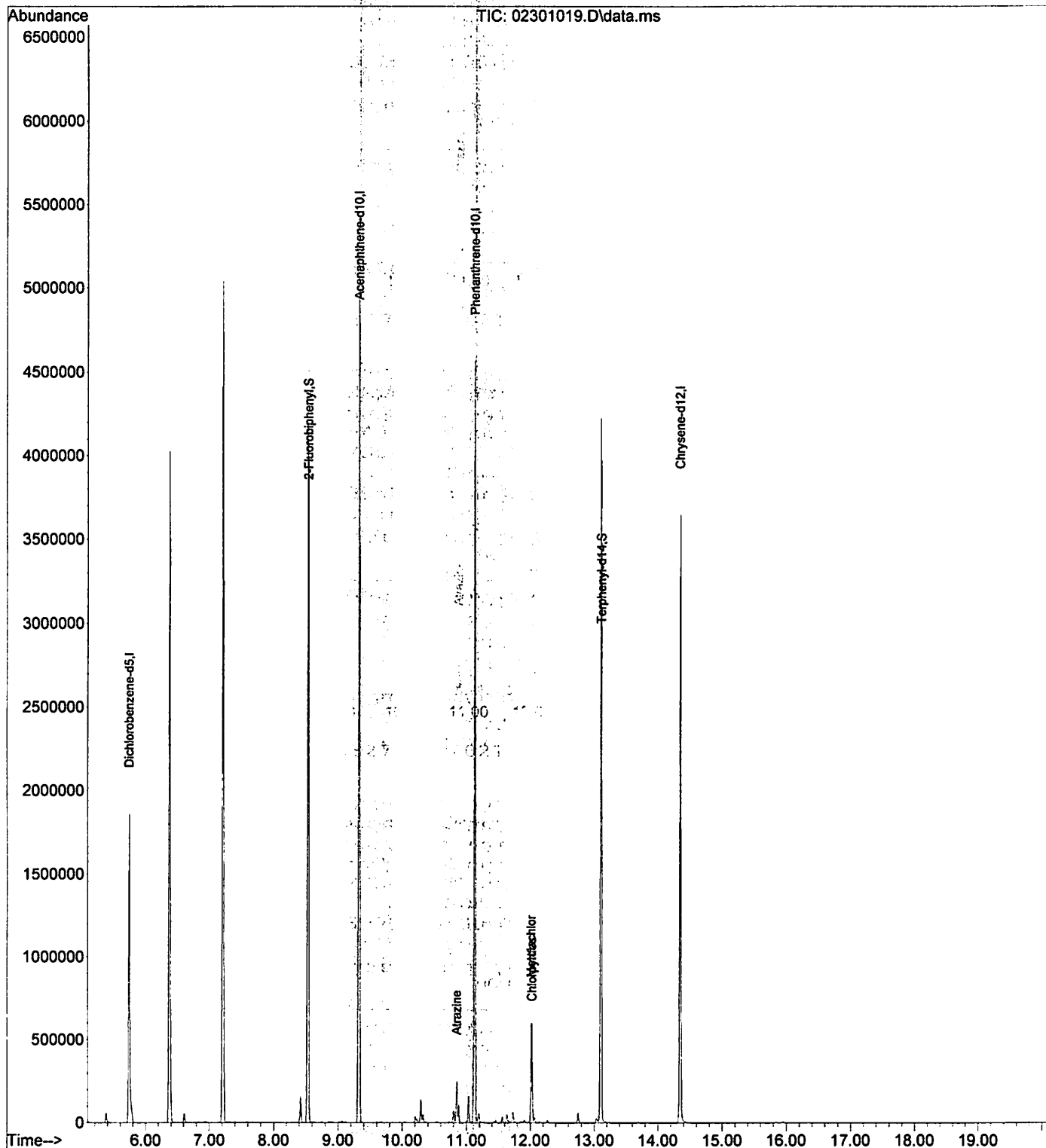
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.745	150	23916728	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.331	164	32903573	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.135	188	50669607	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240	38140715	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.542	172	49911479	23.02	ug/mL	0.00
9) Terphenyl-d14	13.112	244	43293559	23.59	ug/mL	0.00
Spiked Amount	25.000			Recovery	=	94.36%
Target Compounds						
4) Atrazine	10.852	200	1402797	3.40	ug/mL	96
6) Metolachlor	12.023	162	3710827	3.34	ug/mL	100
7) Chlorpyrifos	12.035	197	740001	2.79	ug/mL	100

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

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02301019.D
 Acq On : 3 Mar 2021 7:05 pm
 Operator : MAH
 Sample : BBC0111-MS1
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 04 09:31:23 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02401020.D
 Acq On : 3 Mar 2021 7:32 pm
 Operator : MAH
 Sample : BBC0111-MSD1
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 04 09:31:33 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

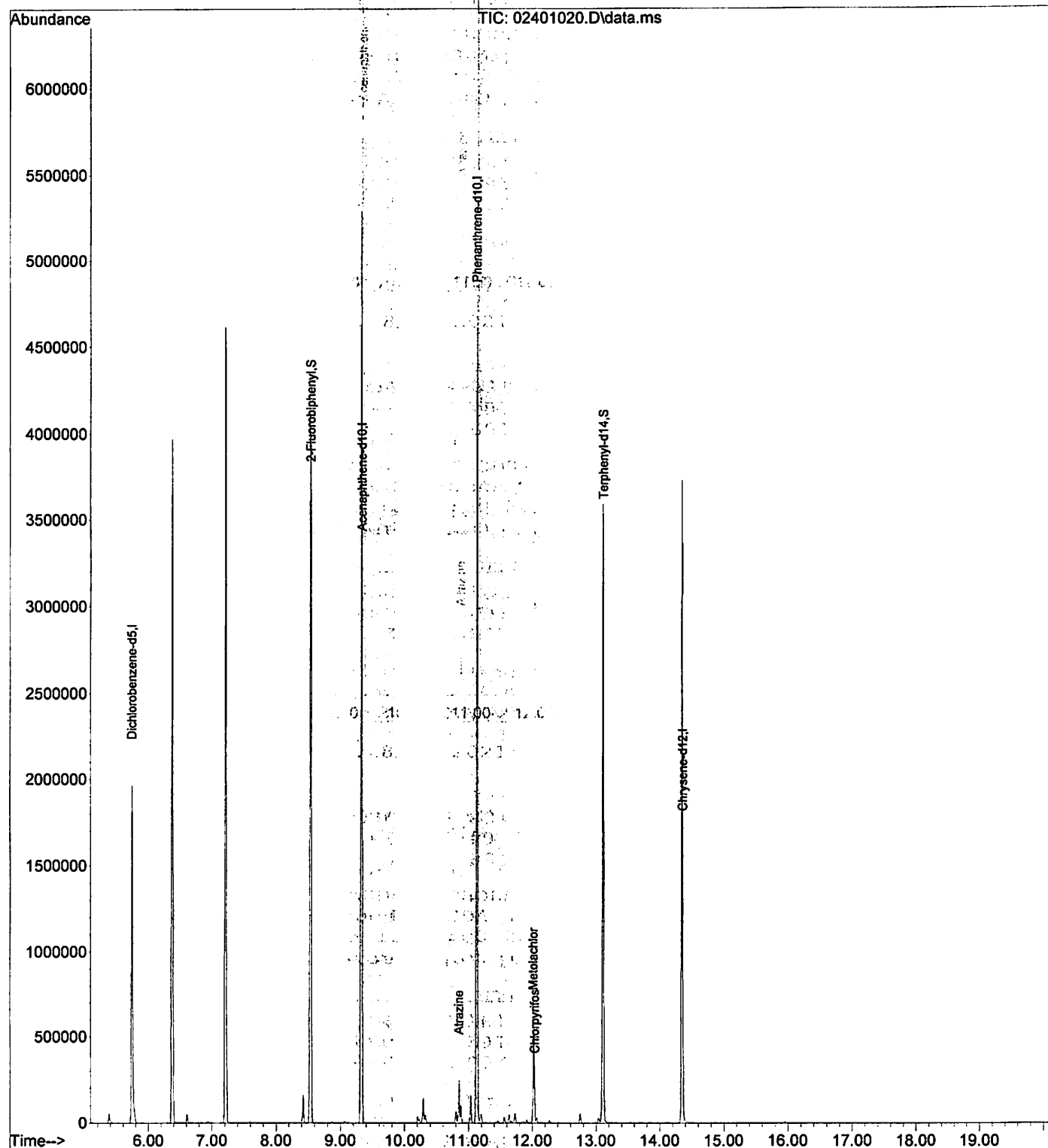
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.745	150	23419195	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.332	164	33182429	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.135	188	51645173	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	38673808	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.542	172	48996076	23.08	ug/mL	0.00
9) Terphenyl-d14	13.113	244	42316236	22.74	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	90.96%	
Target Compounds						
4) Atrazine	10.852	200	1390397	3.34	ug/mL	98
6) Metolachlor	12.023	162	3622184	3.22	ug/mL	98
7) Chlorpyrifos	12.035	197	742196	2.75	ug/mL	98

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

Quantitation Report (Not Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02401020.D
 Acq On : 3 Mar 2021 7:32 pm
 Operator : MAH
 Sample : BBC0111-MSD1
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 04 09:31:33 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02501021.D
 Acq On : 3 Mar 2021 8:00 pm
 Operator : MAH
 Sample : BBC0111-BLK1
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 04 09:31:42 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

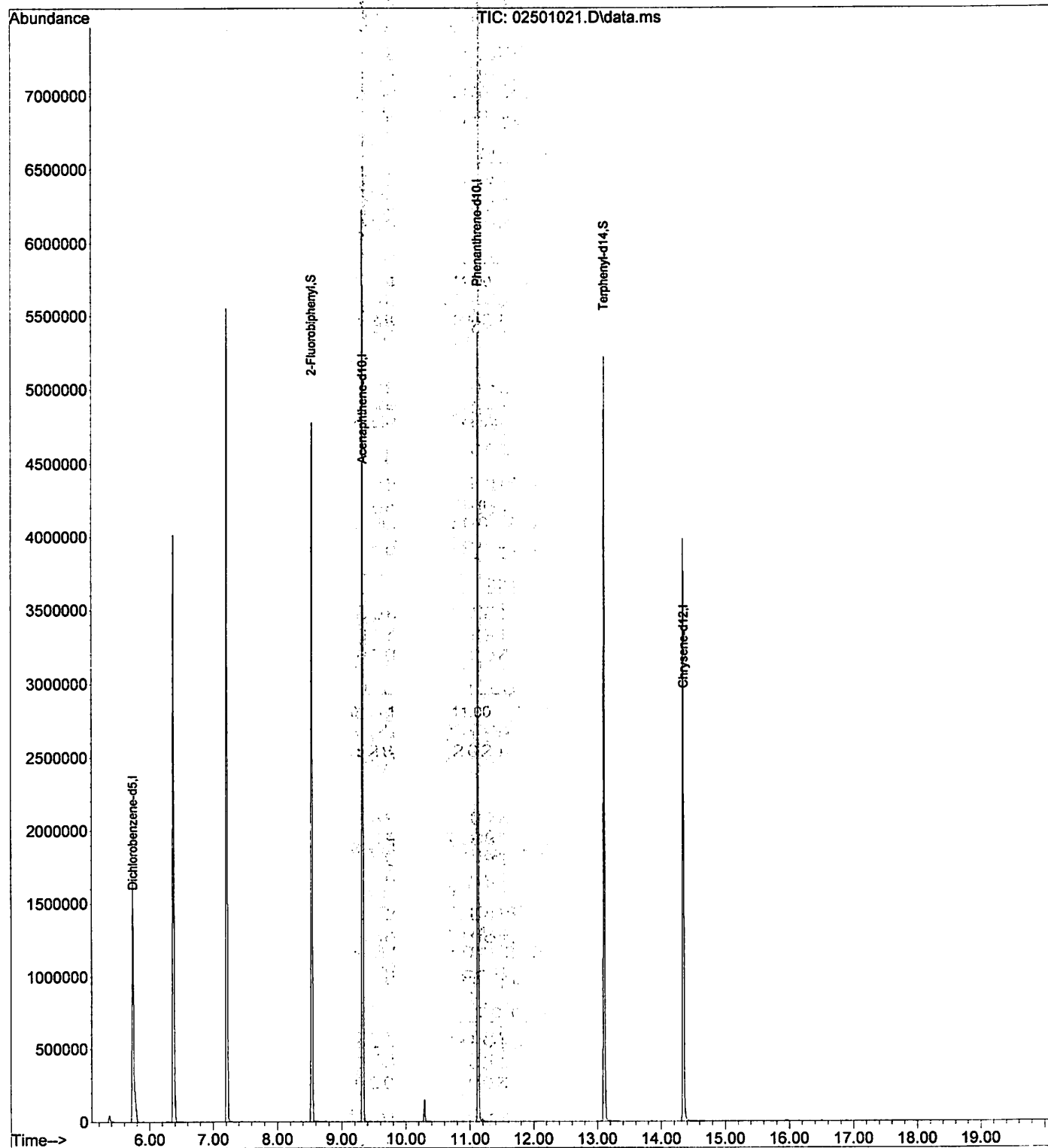
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.740	150	25754539	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.333	164	35768609	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.136	188	57778977	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.353	240	46941770	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.545	172	50202090	21.50	ug/mL	0.00
9) Terphenyl-d14	13.116	244	53526581	23.70	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	94.80%	

Target Compounds Qvalue

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02501021.D
Acq On : 3 Mar 2021 8:00 pm
Operator : MAH
Sample : BBC0111-BLK1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 04 09:31:42 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
 Data File : 02601022.D
 Acq On : 3 Mar 2021 8:27 pm
 Operator : MAH
 Sample : BBC0111-DUP1
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 04 09:32:04 2021
 Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
 Quant Title : EPA 8270D - GC MSD4
 QLast Update : Wed Mar 03 15:03:00 2021
 Response via : Initial Calibration

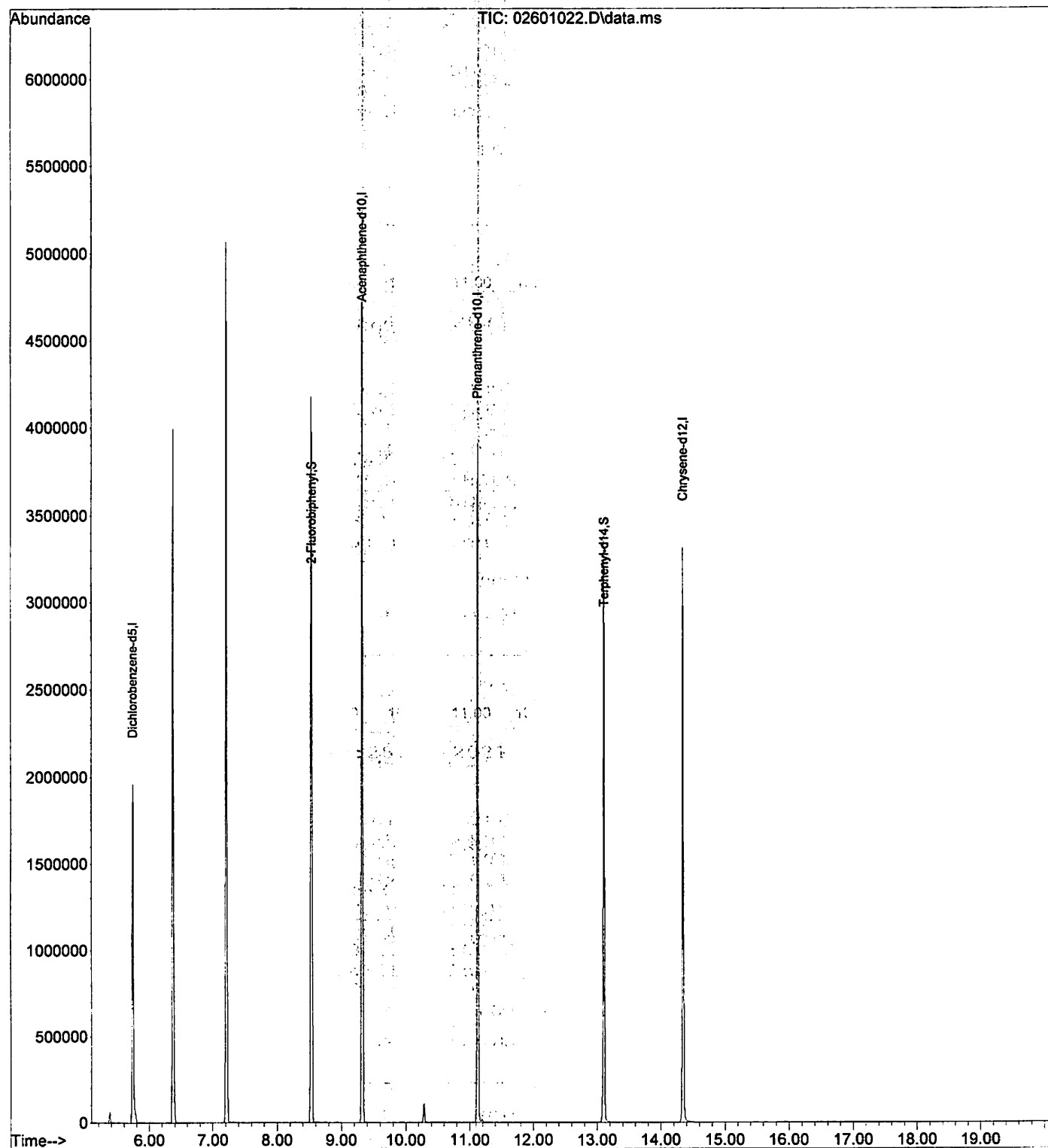
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	5.744	150	24208361	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.330	164	32184406	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.133	188	46892632	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.351	240	35727402	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.541	172	48766804	22.22	ug/mL	0.00
9) Terphenyl-d14	13.112	244	38725862	22.53	ug/mL	0.00
Spiked Amount	25.000			Recovery	=	90.12%

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

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02601022.D
Acq On : 3 Mar 2021 8:27 pm
Operator : MAH
Sample : BBC0111-DUP1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 04 09:32:04 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02701023.D
Acq On : 3 Mar 2021 8:54 pm
Operator : MAH
Sample : WBB0717-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 15:32:56 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 15:32:34 2021
Response via : Initial Calibration

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

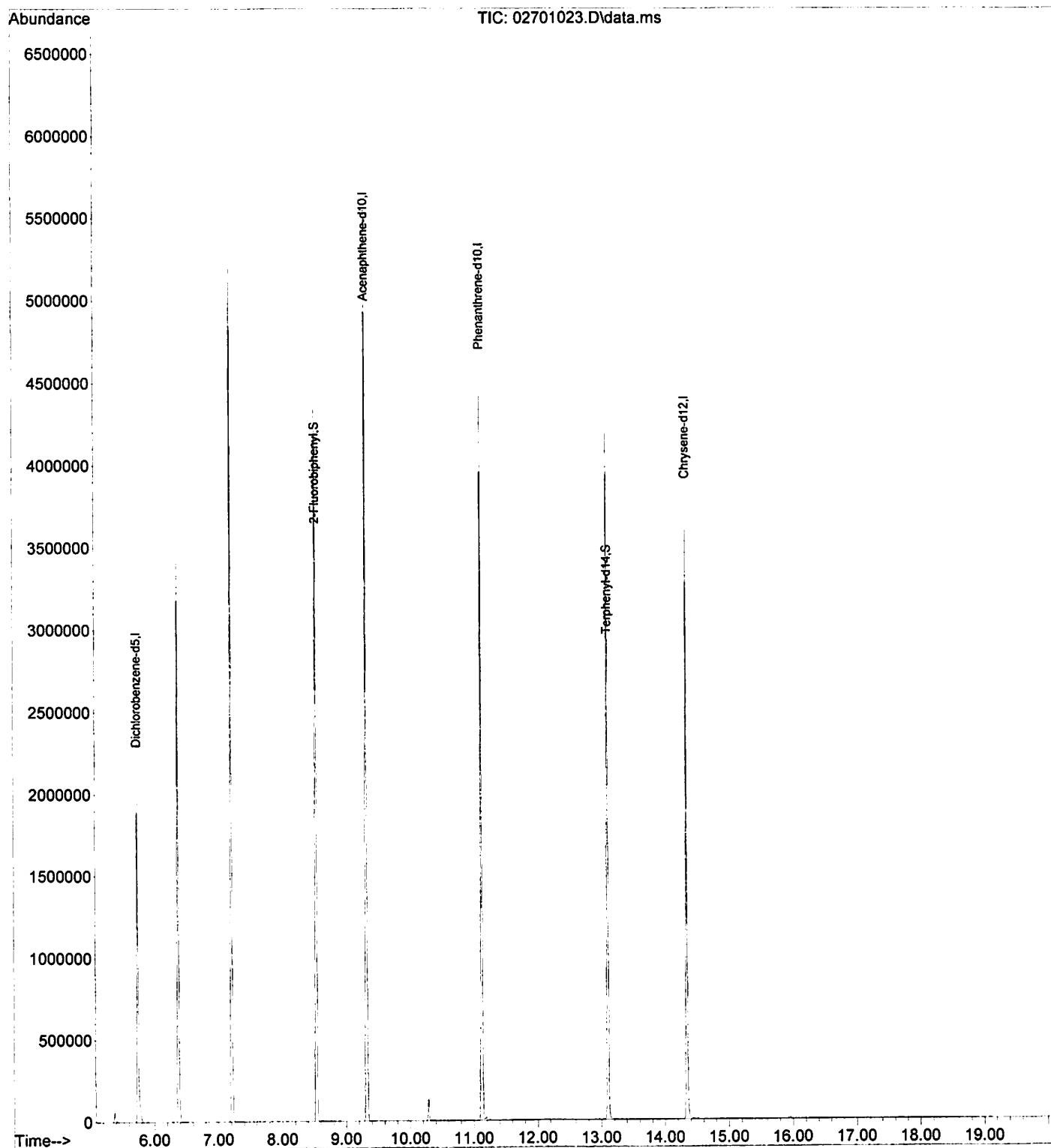
Internal Standards						
1) Dichlorobenzene-d5	5.745	150	25179693	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.331	164	34150900	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.134	188	51406796	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240	40764218	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	8.541	172	51481888	22.55	ug/mL	0.00
9) Terphenyl-d14	13.112	244	44464230	22.67	ug/mL	0.00
Spiked Amount	25.000		Recovery	=	90.68%	

Target Compounds	Qvalue

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02701023.D
Acq On : 3 Mar 2021 8:54 pm
Operator : MAH
Sample : WBB0717-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 15:32:56 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Fri Mar 12 15:32:34 2021
Response via : Initial Calibration



Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02801024.D
Acq On : 3 Mar 2021 9:21 pm
Operator : MAH
Sample : WBB0717-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 04 09:33:09 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration

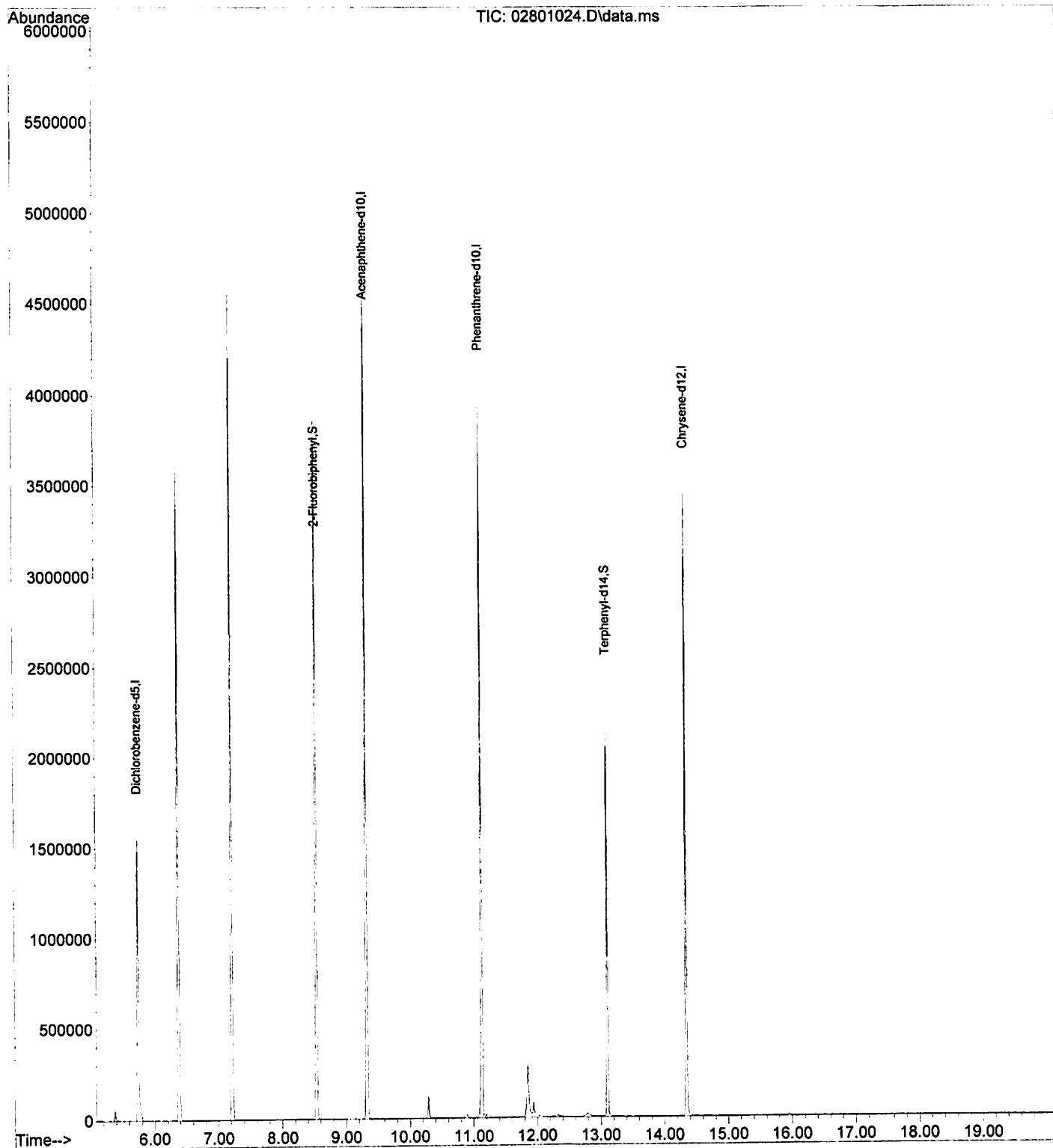
Compound	R.T.	Q	Ion	Response	Conc	Units	Dev (Min)
Internal Standards							
1) Dichlorobenzene-d5	5.744	150		21031354	20.00	ug/mL	0.00
3) Acenaphthene-d10	9.331	164		28899485	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.135	188		44169646	20.00	ug/mL	# 0.00
8) Chrysene-d12	14.352	240		35121457	20.00	ug/mL	# 0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	8.542	172		44856095	23.53	ug/mL	0.00
9) Terphenyl-d14	13.111	244		19962680	11.81	ug/mL	0.00
Spiked Amount	25.000			Recovery	=	47.24%	

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

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

Data Path : T:\Data1\MSD4\2021\MAR\03\
Data File : 02801024.D
Acq On : 3 Mar 2021 9:21 pm
Operator : MAH
Sample : WBB0717-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 04 09:33:09 2021
Quant Method : T:\Data1\MSD4\METHODS\2021\Cardno0303.m
Quant Title : EPA 8270D - GC MSD4
QLast Update : Wed Mar 03 15:03:00 2021
Response via : Initial Calibration



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

Anatek Labs, Inc. Spokane

Sample	ID #	Temp	Filter Wt #1 (g)	Filter Wt #2 (g)	mLs used	Dry Weight #1	Dry Weight #2**	IResult (mg/L)	FResult (mg/L)	Date/time	Initials	QC Date & Initials	%
BLANK	1	1050	0.1153	0.1153	1000	0.1153	0.1153	<1	<1	2/23/21	BA S	2/25/21	
100 ppm LFB	2		0.1145	0.1145	100	0.1247	0.1246	101	101	15:32		KHS	101
WB30586-01	3		0.1153	0.1153	100	0.1198	0.1198	49	49				
1 -02	4		0.1152	0.1152	50	0.1231	0.1230	78	156				
WB30587-01	5		0.1150	0.1150	1000	0.1161	0.1161	11	110				
WB30588-01	6		0.1137	0.1137	100	0.1174	0.1174	37	37				
WB30596-01	7		0.1147	0.1147	50	0.1261	0.1261	114	228				
1 -02	8		0.1146	0.1146	100	0.1166	0.1166	26	5				
WB30617-01	9		0.1148	0.1148	50	0.1222	0.1221	73	146				
-02	10		0.1149	0.1149	400	0.1262	0.1261	52	13				
-03	11		0.1138	0.1138	400	0.1194	0.1194	56	14				
-04	12		0.1150	0.1150	200	0.1237	0.1236	86	43				
-05	13		0.1144	0.1144	400	0.1186	0.1186	42	10.5				
-06	14		0.1151	0.1151	10	0.1368	0.1367	236	236				
-07	15		0.1153	0.1153	200/200	0.1266	0.1265	112	56				
-08	16		0.1140	0.1140	400	0.1230	0.1230	90	225				
-09	17		0.1145	0.1145	700	0.1193	0.1193	48	686				
-P	18		0.1152	0.1152	1000	0.1152	0.1152	<1	<1				
-11	19		0.1149	0.1149	10	0.1371	0.1378	229	2290				
-12	20		0.1151	0.1151	1000	0.1153	0.1153	2	<1				
-13	21		0.1153	0.1153	1000	0.1153	0.1153	<1	<1				
-14	22		0.1160	0.1160	25	0.1337	0.1336	176	704				
BLANK	23		0.1148	0.1148	1000	0.1148	0.1148	<1	<1				
100 ppm LFB	24		0.1150	0.1150	100	0.1250	0.1250	100	100				100
WB30588-01 DUP	25		0.1157	0.1157	100	0.1192	0.1192	35	35				114.6
WB30617-01 MS	26		0.1146	0.1146	5950	0.1267	0.1267	121	3242				96
1 MSD	27		0.1147	0.1147	2	0.1265	0.1265	18	236				90

**when 3 dry weights taken, calculate result using two closest weights.

QC REQUIREMENTS: Blank <1ppm, LFB %Rec= 90-110%, MS/MSD %Rec= 80-120%

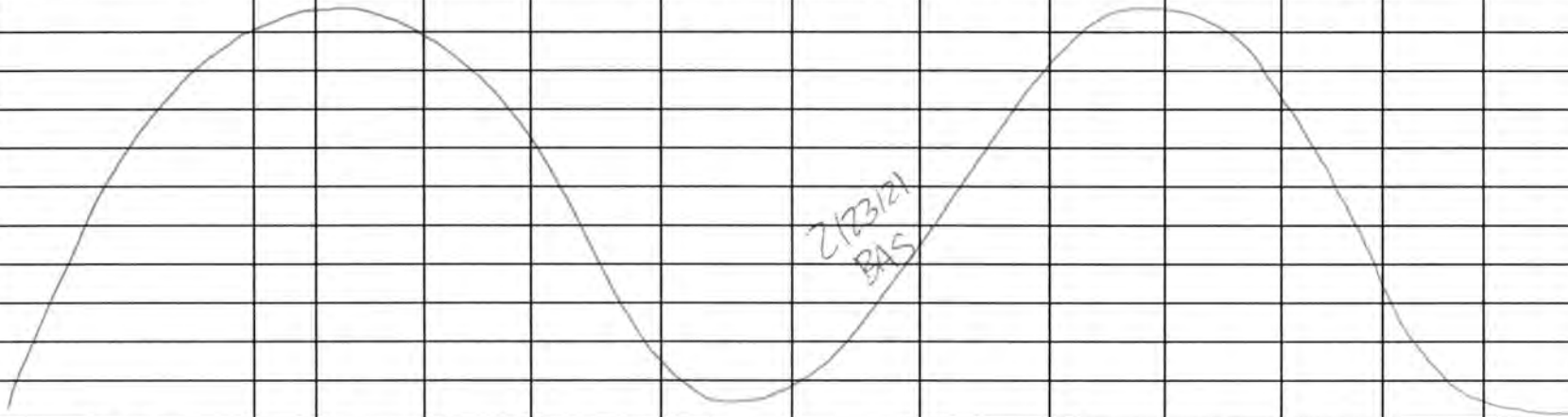
TSS Reagents	Std. #	Volume Used	Amount Spiked	Balance	Thermometer	Filter Lot
100ppm Cellulose TSS Soln.	200071	100 mL	100 PPM	BAL-06	00627	2002097

Comments:

BBB0710

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

Anatek Labs, Inc. Spokane

Sample	ID #	Temp	Filter Wt #1 (g)	Filter Wt #2 (g)	mLs used	Dry Weight #1	Dry Weight #2**	IResult (mg/L)	FResult (mg/L)	Date/time	Initials	QC Date & Initials	%
BLANK	28	105°	0.1139	0.1139	1000	0.1139	0.1139	<1	<1	2/23/21	BAS	2/23/21	
100 ppm LFB	29		0.1151	0.1151	100	0.1254	0.1254	103	103	15:32		12/18	103
WB30617-215	30		0.1144	0.1144	10	0.1438	0.1438	294	294				
-16	31		0.1147	0.1147	100	0.1188	0.1188	41	41				
-17	32		0.1155	0.1155	100	0.1198	0.1198	43	43				
-18	33		0.1135	0.1135	300	0.1184	0.1184	49	163				
-19	34		0.1144	0.1144	300	0.1175	0.1175	31	103				
-20	35		0.1140	0.1140	300	0.1161	0.1161	21	7				
-21	36		0.1141	0.1141	400	0.1152	0.1152	41	102				
-22	37		0.1155	0.1155	100	0.1422	0.1422	267	267				
-23	38		0.1156	0.1156	300	0.1174	0.1174	23	267				
													
BLANK	39	105°	0.1143	0.1143	1000	0.1143	0.1143	<1	<1	2/23/21	BAS		
100 ppm LFB	40		0.1146	0.1146	100	0.1251	0.1251	105	105	15:32			105
WB30617-22 DUB	41		0.1148	0.1148	300	0.1168	0.1168	20	667				95
WB30617-23 MS	42		0.1157	0.1157	50/50	0.1211	0.1211	54	108				100
MSD	43		0.1149	0.1149	1	0.1206	0.1206	57	114				106

**when 3 dry weights taken, calculate result using two closest weights.

QC REQUIREMENTS:

Blank <1ppm, LFB %Rec= 90-110%, MS/MSD %Rec= 80-120%

TSS Reagents	Std. #	Volume Used	Amount Spiked	Balance		Thermometer	Filter Lot
100ppm Cellulose TSS Soln.	2100671	100 mL	100 PPM	BAL-06		00627	2002047

Comments:

BBB0710



AECOS, Inc.

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

Telephone: (808) 234-7770 • Fax: (808) 234-7775 • aecos@aecos.com

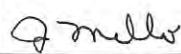
CLIENT: Cardno-GS
737 Bishop Street, Suite 3050
Honolulu HI 96813
ATTENTION: Benjamin Berridge
Benjamin.Berridge@cardno-gs.com

FILE No.: 1494
REPORT DATE: 02/18/2021
PAGE: 1 of 1

AECOS REPORT OF RESULTS

SAMPLE TYPE: Fresh/brackish water
DATE SAMPLED: 02/16/2021
TEMP. CONTROL: 4.3 °C
DATE/TIME ANALYZED: 02/16/2021 @1819-1837
AECOS LOG No.: 41932
DATE/TIME RECEIVED: 02/16/2021 @1730
SAMPLER: B. Berridge
MATRIX: water
ANALYST: R. Knapstein

ANALYTE (UNITS)		Enterococcus (MPN/100ml)	Dilution Factor (10 ml / 100 ml)	Number of large positive wells	Number of small positive wells
SAMPLE ID ↓	METHOD →	ASTM D650399	---	---	---
	TIME SAMPLED ↓				
WW-2	1140	30	10	3	0
D-5	1340	1200	10	41	15
E-1	1130	20	10	0	2
WW-6	1215	20,000	10	49	46
DW-1 / WW-3	1305	710	10	34	9
U-3 / WW-4	1135	600	10	32	6
U-2 / WW-5 WET	1205	69,000	100	49	32
U-1 / WW-7	1245	>24,000	10	49	48
D-8	1305	3000	10	47	27
D-8 Dup	1305	6500	10	49	31
DW-2	1155	1200	10	42	12
I-1	1305	36,000	100	49	21
D-3	1215	1500	10	45	13
E-2	1245	600	10	34	3
DW-3	1220	780	10	37	7
D-2	1230	2000	10	48	13
D-4	1330	540	10	26	12
D-6	1310	2700	10	47	24
D-7	1230	1900	10	48	12
WW-3	1200	320	10	21	4


J. Mello, Laboratory Director



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

[041932]

CLIENT: *Cardho*

ADDRESS: *737 Bishop St. Suite 2000*

Honolulu HI 96813

CONTACT: *Ben Berridge*

PHONE No.: *808-476-0007*

Purchase Order No.: _____

☐ RUSH

☐ SEE REVERSE

SPECIAL INSTRUCTIONS

SAMPLED

☒	SAMPLE ID	DATE	TIME	SAMPLE TYPE	CONTAINER(S)	REQUESTED ANALYSES	PRESERVATION
1	WW-2	2-16-2021	11:40	Grab	1 Idexx	Entero	
2	D-5		13:40	Grab			
3	E-1		11:30				
4	WW-6		12:15				
5	DW-1/WW-3		13:05				
6	U-3/WW-4		11:35				
7	U-2/WW-5 WET		12:05				
8	U-1/WW-7		12:45				
9	D-8		13:05				
10	D-8 DUP		13:05				

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:

PRINT NAME

Ben Berridge

RELINQUISHED:

SIGNATURE

[Signature]

COMMENTS:

RECEIVED BY:

SIGNATURE

RELINQUISHED:

SIGNATURE OR INITIALS

PRECAUTIONS:

RECEIVED FOR LABORATORY:

SIGNATURE

RELINQUISHED:

SIGNATURE OR INITIALS

DISPOSAL:

DATE

2/16 2021

TIME

17:30

DATE

20

TIME

20

USE (BLACK) INK

T. 4.3
Diff found on same bottle.
many are overfilled.

all diluted 10X

except where noted for turbidity
... concentration near H.

RETURN SAMPLE TO CLIENT ☐



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

41932 1

CLIENT: Cardno

ADDRESS: 737 Bishop St Suite 3050
Honolulu HI 96813

CONTACT: Ben Burridge

PHONE No.: (808) 476-0067

Purchase Order No.:

☐ RUSH

☐ SEE REVERSE

SPECIAL INSTRUCTIONS

SAMPLED

SAMPLE ID	DATE	TIME	SAMPLE TYPE	CONTAINER(S)	REQUESTED ANALYSES	PRESERVATION
DW-2	2-16-2021	11:55	Grab	1 idex	entire	
I-1		13:05			very hard bit. + 1% bit	
D-3		12:15			crack in bottle + leaking	
E-2		12:45				
DW-3		12:20				
D-2		12:30			crack in bottle (not leaking)	
D-4		13:30				
D-6		13:10				
D-7		12:30				
NW-3		12:00				

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
Ben Burridge	2-16-2021
PRINT NAME	DATE
RELINQUISHED:	DATE
Signature: Ben Burridge	TIME 17:20
SIGNATURE	TIME
COMMENTS:	

RECEIVED BY:	DATE
Signature	TIME
RELINQUISHED:	DATE
Signature or Initials	TIME

RECEIVED FOR LABORATORY:	DATE
Signature	TIME
RELINQUISHED:	DATE
Signature or Initials	TIME

DISPOSAL:

PRECAUTIONS:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK