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	Work Order:	WBL0426
Address:	737 Bishop St., Ste. 3050	Project:	ADC Water Quality Monitoring
	Honolulu, HI 96813	Reported:	12/30/2021 14:43
Attn:	Benjamin Berridge		

Analytical Results Report

Sample Location:	DW-2		
Lab/Sample Number:	WBL0426-01	Collect Date:	12/07/21 09:25
Date Received:	12/10/21 11:00	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	24.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00942	mg/L	0.00100	12/14/21 18:56	JLG	EPA 200.8	
Mercury							
Mercury	0.341	ug/L	0.100	12/17/21 15:44	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/20/21 21:47	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/20/21 21:47	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/20/21 21:47	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/20/21 21:47	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*101%*		*50-150*	*12/20/21 21:47*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: DW-3
Lab/Sample Number: WBL0426-02 Collect Date: 12/07/21 09:00
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	8.40	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.000918	mg/L	0.00100	12/14/21 19:06	JLG	EPA 200.8	J
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 15:46	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/20/21 23:38	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/20/21 23:38	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/20/21 23:38	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/20/21 23:38	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*102%*		*50-150*	*12/20/21 23:38*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-2
Lab/Sample Number: WBL0426-03 Collect Date: 12/07/21 10:15
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	6.60	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.0103	mg/L	0.00100	12/14/21 19:22	JLG	EPA 200.8	
Mercury							
Mercury	0.178	ug/L	0.100	12/17/21 15:53	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 0:33	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 0:33	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 0:33	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 0:33	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*94.3%*		*50-150*	*12/21/21 0:33*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-3
Lab/Sample Number: WBL0426-04 Collect Date: 12/07/21 08:30
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	9.00	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00167	mg/L	0.00100	12/14/21 19:25	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:05	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 1:28	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 1:28	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 1:28	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 1:28	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.9%*		*50-150*	*12/21/21 1:28*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-4
Lab/Sample Number: WBL0426-05 Collect Date: 12/07/21 08:30
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	4.60	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00241	mg/L	0.00100	12/14/21 19:28	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:07	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 2:23	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 2:23	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 2:23	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 2:23	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*104%*		*50-150*	*12/21/21 2:23*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-5
Lab/Sample Number: WBL0426-06 Collect Date: 12/07/21 08:45
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	221	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00198	mg/L	0.00100	12/14/21 19:31	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:09	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 8:49	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 8:49	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 8:49	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 8:49	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*104%*		*50-150*	*12/21/21 8:49*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-6
Lab/Sample Number: WBL0426-07 Collect Date: 12/07/21 09:35
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	600	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00750	mg/L	0.00100	12/14/21 19:34	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:12	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 9:44	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 9:44	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 9:44	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 9:44	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*99.2%*		*50-150*	*12/21/21 9:44*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-7
Lab/Sample Number: WBL0426-08 Collect Date: 12/07/21 10:50
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	90.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.000353	mg/L	0.00100	12/14/21 19:37	JLG	EPA 200.8	J
Mercury							
Mercury	0.132	ug/L	0.100	12/17/21 16:14	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 10:40	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 10:40	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 10:40	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 10:40	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*99.0%*		*50-150*	*12/21/21 10:40*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: D-8
Lab/Sample Number: WBL0426-09 Collect Date: 12/07/21 09:00
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	3.60	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00262	mg/L	0.00100	12/14/21 19:40	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:16	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 11:35	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 11:35	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 11:35	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 11:35	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*99.8%*		*50-150*	*12/21/21 11:35*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location:	U-3/WW-4		
Lab/Sample Number:	WBL0426-10	Collect Date:	12/07/21 10:30
Date Received:	12/10/21 11:00	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	5.60	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.000214	mg/L	0.00100	12/14/21 19:44	JLG	EPA 200.8	J
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:18	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 12:31	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 12:31	ARC	NWTPH-HCID	
Lube Oil	0.275	mg/L	0.0800	12/21/21 12:31	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 12:31	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*99.5%*		*50-150*	*12/21/21 12:31*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location:	DW-1/WW-1		
Lab/Sample Number:	WBL0426-11	Collect Date:	12/07/21 10:45
Date Received:	12/10/21 11:00	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	76.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00285	mg/L	0.00100	12/14/21 19:47	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:21	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 13:26	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 13:26	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 13:26	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 13:26	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*98.8%*		*50-150*	*12/21/21 13:26*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: WW-6
Lab/Sample Number: WBL0426-12 Collect Date: 12/07/21 10:00
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	8.00	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.0000680	mg/L	0.00100	12/14/21 19:50	JLG	EPA 200.8	J
Mercury							
Mercury	0.387	ug/L	0.100	12/17/21 16:23	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 14:21	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 14:21	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 14:21	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 14:21	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*94.7%*		*50-150*	*12/21/21 14:21*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location:	WW-2		
Lab/Sample Number:	WBL0426-13	Collect Date:	12/07/21 09:00
Date Received:	12/10/21 11:00	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	9.20	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00660	mg/L	0.00200	12/21/21 20:46	Metals	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:25	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 15:16	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 15:16	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 15:16	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 15:16	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*94.0%*		*50-150*	*12/21/21 15:16*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: WW-3
Lab/Sample Number: WBL0426-14 Collect Date: 12/07/21 09:15
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	5.00	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00114	mg/L	0.00100	12/14/21 20:09	JLG	EPA 200.8	
Mercury							
Mercury	0.177	ug/L	0.100	12/17/21 16:27	JLG	EPA 245.1	
Semivolatiles							
AMPA	<2	ug/L	10.0	12/21/21 14:31	MER	EPA 547	* M1
Glyphosate	<2.26	ug/L	5.00	12/21/21 14:31	MER	EPA 547	*
Atrazine	ND	ug/L	0.100	12/23/21 18:21	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	12/23/21 18:21	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	12/23/21 18:21	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*68.3%*		*25-135*	*12/23/21 18:21*	*MAH*	*EPA 625.1*	
Diesel	<.052	mg/L	0.0800	12/21/21 16:12	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 16:12	ARC	NWTPH-HCID	
Lube Oil	0.302	mg/L	0.0800	12/21/21 16:12	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 16:12	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*94.7%*		*50-150*	*12/21/21 16:12*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: E-2
Lab/Sample Number: WBL0426-15 Collect Date: 12/07/21 10:00
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	4.40	mg/L	0.200	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00825	mg/L	0.00100	12/14/21 20:12	JLG	EPA 200.8	
Mercury							
Mercury	0.140	ug/L	0.100	12/17/21 16:39	JLG	EPA 245.1	
Semivolatiles							
AMPA	<2	ug/L	10.0	12/21/21 14:38	MER	EPA 547	* M1
Glyphosate	<2.26	ug/L	5.00	12/21/21 14:38	MER	EPA 547	*
Atrazine	ND	ug/L	0.100	12/23/21 18:48	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	12/23/21 18:48	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	12/23/21 18:48	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*50.4%*		*25-135*	*12/23/21 18:48*	*MAH*	*EPA 625.1*	
Diesel	<.052	mg/L	0.0800	12/21/21 17:07	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 17:07	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 17:07	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 17:07	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*83.1%*		*50-150*	*12/21/21 17:07*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: E-1
Lab/Sample Number: WBL0426-16 Collect Date: 12/07/21 09:00
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	38.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00161	mg/L	0.00100	12/14/21 20:15	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:41	JLG	EPA 245.1	
Semivolatiles							
AMPA	<2	ug/L	10.0	12/21/21 14:17	MER	EPA 547	* M1
Glyphosate	<2.26	ug/L	5.00	12/21/21 14:17	MER	EPA 547	*
Atrazine	ND	ug/L	0.100	12/23/21 19:16	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	12/23/21 19:16	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	12/23/21 19:16	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*68.5%*		*25-135*	*12/23/21 19:16*	*MAH*	*EPA 625.1*	
Diesel	<.052	mg/L	0.0800	12/20/21 19:02	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/20/21 19:02	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/20/21 19:02	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/20/21 19:02	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*104%*		*50-150*	*12/20/21 19:02*	*ARC*	*NWTPH-HCID*	

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

Analytical Results Report

(Continued)

Sample Location: E-1 DUP
Lab/Sample Number: WBL0426-17 Collect Date: 12/07/21 09:05
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	64.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.00184	mg/L	0.00100	12/14/21 20:25	JLG	EPA 200.8	
Mercury							
Mercury	<0.0850	ug/L	0.100	12/17/21 16:48	JLG	EPA 245.1	
Semivolatiles							
AMPA	<2	ug/L	10.0	12/21/21 14:24	MER	EPA 547	* M1
Glyphosate	<2.26	ug/L	5.00	12/21/21 14:24	MER	EPA 547	*
Atrazine	ND	ug/L	0.100	12/23/21 19:43	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	12/23/21 19:43	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	12/23/21 19:43	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*64.4%*		*25-135*	*12/23/21 19:43*	*MAH*	*EPA 625.1*	
Diesel	<.052	mg/L	0.0800	12/21/21 18:02	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 18:02	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 18:02	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 18:02	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*92.1%*		*50-150*	*12/21/21 18:02*	*ARC*	*NWTPH-HCID*	

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

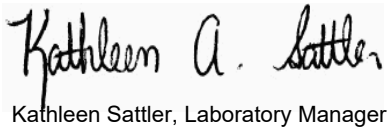
Analytical Results Report

(Continued)

Sample Location: U-2/WW-5
Lab/Sample Number: WBL0426-18 Collect Date: 12/07/21 09:30
Date Received: 12/10/21 11:00 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	54.0	mg/L	2.00	12/11/21 17:01	KAS	EPA 160.2	
Metals by ICP-MS							
Arsenic	0.000118	mg/L	0.00100	12/14/21 20:28	JLG	EPA 200.8	J
Mercury							
Mercury	0.201	ug/L	0.100	12/17/21 16:50	JLG	EPA 245.1	
Semivolatiles							
Diesel	<.052	mg/L	0.0800	12/21/21 18:57	ARC	NWTPH-HCID	
Gasoline	<.16	mg/L	0.400	12/21/21 18:57	ARC	NWTPH-HCID	
Lube Oil	<.046	mg/L	0.0800	12/21/21 18:57	ARC	NWTPH-HCID	
Mineral Oil	<.16	mg/L	0.400	12/21/21 18:57	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*98.9%*		*50-150*	*12/21/21 18:57*	*ARC*	*NWTPH-HCID*	

Authorized Signature,



Kathleen Sattler, Laboratory Manager

J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Potential matrix effect
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

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

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

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

Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0325 - W Filtration										
Blank (BBL0325-BLK1)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
Blank (BBL0325-BLK2)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
Blank (BBL0325-BLK3)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
Blank (BBL0325-BLK4)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
Blank (BBL0325-BLK5)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
Blank (BBL0325-BLK6)					Prepared & Analyzed: 12/11/2021					
TSS	ND		1.00	mg/L						
LCS (BBL0325-BS1)					Prepared & Analyzed: 12/11/2021					
TSS	99.0			mg/L	100		99.0	90-110		
LCS (BBL0325-BS2)					Prepared & Analyzed: 12/11/2021					
TSS	100			mg/L	100		100	90-110		
LCS (BBL0325-BS3)					Prepared & Analyzed: 12/11/2021					
TSS	94.0			mg/L	100		94.0	90-110		
LCS Dup (BBL0325-BSD1)					Prepared & Analyzed: 12/11/2021					
TSS	101			mg/L	100		101	90-110	2.00	10

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

Quality Control Data
(Continued)

Inorganics (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0325 - W Filtration (Continued)										
LCS Dup (BBL0325-BSD2)					Prepared & Analyzed: 12/11/2021					
TSS	98.0			mg/L	100		98.0	90-110	2.02	10
LCS Dup (BBL0325-BSD3)					Prepared & Analyzed: 12/11/2021					
TSS	100			mg/L	100		100	90-110	6.19	10
Duplicate (BBL0325-DUP1)			**Source: WBL0328-02**		Prepared & Analyzed: 12/11/2021					
TSS	3.00		0.200	mg/L		2.80			6.90	20
Matrix Spike (BBL0325-MS1)			**Source: WBL0228-01**		Prepared & Analyzed: 12/11/2021					
TSS	97.0		2.00	mg/L	100	ND	97.0	80-120		
Matrix Spike (BBL0325-MS2)			**Source: WBL0426-16**		Prepared & Analyzed: 12/11/2021					
TSS	156		2.00	mg/L	100	38.0	118	80-120		
Matrix Spike (BBL0325-MS3)			**Source: WBL0268-01**		Prepared & Analyzed: 12/11/2021					
TSS	114		2.00	mg/L	100	12.0	102	80-120		
Matrix Spike Dup (BBL0325-MSD1)			**Source: WBL0228-01**		Prepared & Analyzed: 12/11/2021					
TSS	97.0		2.00	mg/L	100	ND	97.0	80-120	0.00	20
Matrix Spike Dup (BBL0325-MSD2)			**Source: WBL0426-16**		Prepared & Analyzed: 12/11/2021					
TSS	140		2.00	mg/L	100	38.0	102	80-120	10.8	20
Matrix Spike Dup (BBL0325-MSD3)			**Source: WBL0268-01**		Prepared & Analyzed: 12/11/2021					
TSS	112		2.00	mg/L	100	12.0	100	80-120	1.77	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: BBL0381 - W 3010 Digest										
Blank (BBL0381-BLK1)					Prepared & Analyzed: 12/14/2021					
Arsenic	0.000121	J	0.00100	mg/L						
LCS (BBL0381-BS1)					Prepared & Analyzed: 12/14/2021					
Arsenic	0.0475		0.00100	mg/L	0.0500		95.0	85-115		
Matrix Spike (BBL0381-MS1)			**Source: WBL0426-01**		Prepared & Analyzed: 12/14/2021					
Arsenic	0.0492		0.00100	mg/L	0.0500	0.00942	79.5	70-130		
Matrix Spike (BBL0381-MS2)			**Source: WBL0426-16**		Prepared & Analyzed: 12/14/2021					
Arsenic	0.0471		0.00100	mg/L	0.0500	0.00161	90.9	70-130		
Matrix Spike Dup (BBL0381-MSD1)			**Source: WBL0426-01**		Prepared & Analyzed: 12/14/2021					
Arsenic	0.0482		0.00100	mg/L	0.0500	0.00942	77.6	70-130	1.99	20
Matrix Spike Dup (BBL0381-MSD2)			**Source: WBL0426-16**		Prepared & Analyzed: 12/14/2021					
Arsenic	0.0493		0.00100	mg/L	0.0500	0.00161	95.3	70-130	4.55	20

Quality Control Data
(Continued)

Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0469 - W 245.1 Digest										
Blank (BBL0469-BLK1)					Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	ND		0.100	ug/L						
LCS (BBL0469-BS1)					Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	1.96		0.100	ug/L	2.00		97.9	85-115		
Matrix Spike (BBL0469-MS1)		**Source: WBL0426-02**			Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	1.94		0.100	ug/L	2.00	<0.0850	97.0	70-130		
Matrix Spike (BBL0469-MS2)		**Source: WBL0426-16**			Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	2.05		0.100	ug/L	2.00	<0.0850	102	70-130		
Matrix Spike Dup (BBL0469-MSD1)		**Source: WBL0426-02**			Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	1.93		0.100	ug/L	2.00	<0.0850	96.3	70-130	0.673	20
Matrix Spike Dup (BBL0469-MSD2)		**Source: WBL0426-16**			Prepared: 12/16/2021 Analyzed: 12/17/2021					
Mercury	1.90		0.100	ug/L	2.00	<0.0850	95.2	70-130	7.34	20

Quality Control Data
(Continued)

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0463 - W TPH-Dx										
Blank (BBL0463-BLK1)					Prepared: 12/17/2021 Analyzed: 12/20/2021					
Lube Oil	ND		0.0800	mg/L						
Mineral Oil	ND		0.400	mg/L						
Gasoline	ND		0.400	mg/L						
Diesel	ND		0.0800	mg/L						
Surrogate: n-Hexacosane			*50.8*	*mg/L*	*50.1*		*101*	*50-150*		
LCS (BBL0463-BS1)					Prepared: 12/17/2021 Analyzed: 12/20/2021					
Diesel	0.858		0.0800	mg/L	1.00		85.4	70-130		
Surrogate: n-Hexacosane			*51.1*	*mg/L*	*50.1*		*102*	*50-150*		
LCS Dup (BBL0463-BSD1)					Prepared: 12/17/2021 Analyzed: 12/20/2021					
Diesel	0.905		0.0800	mg/L	1.00		90.1	70-130	5.30	20
Surrogate: n-Hexacosane			*51.9*	*mg/L*	*50.1*		*104*	*50-150*		
Duplicate (BBL0463-DUP1)		**Source: WBL0426-01**			Prepared: 12/17/2021 Analyzed: 12/20/2021					
Lube Oil	ND		0.0800	mg/L		<.046				200
Mineral Oil	ND		0.400	mg/L		<.16				200
Gasoline	ND		0.400	mg/L		<.16				200
Diesel	ND		0.0800	mg/L		<.052				200
Surrogate: n-Hexacosane			*48.9*	*mg/L*	*50.1*		*97.6*	*50-150*		
Matrix Spike (BBL0463-MS1)		**Source: WBL0426-16**			Prepared: 12/17/2021 Analyzed: 12/20/2021					
Diesel	0.849		0.0800	mg/L	1.00	<.052	84.5	70-130		
Surrogate: n-Hexacosane			*48.8*	*mg/L*	*50.1*		*97.4*	*50-150*		
Matrix Spike Dup (BBL0463-MSD1)		**Source: WBL0426-16**			Prepared: 12/17/2021 Analyzed: 12/20/2021					
Diesel	0.871		0.0800	mg/L	1.00	<.052	86.6	70-130	2.50	20
Surrogate: n-Hexacosane			*48.6*	*mg/L*	*50.1*		*97.0*	*50-150*		

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

Quality Control Data
(Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0581 - Glyphosate										
Blank (BBL0581-BLK1)					Prepared: 12/20/2021 Analyzed: 12/21/2021					
Glyphosate	ND		5.00	ug/L						
AMPA	ND		10.0	ug/L						
LCS (BBL0581-BS1)					Prepared: 12/20/2021 Analyzed: 12/21/2021					
Glyphosate	44.1		5.00	ug/L	50.0		88.2	70-130		
AMPA	82.8		10.0	ug/L	100		82.8	70-130		
Matrix Spike (BBL0581-MS1)		**Source: WBL0426-16**			Prepared: 12/20/2021 Analyzed: 12/21/2021					
Glyphosate	44.3		5.00	ug/L	50.0	<2.26	88.6	70-130		
AMPA	146	M1	10.0	ug/L	100	<2	146	70-130		
Matrix Spike Dup (BBL0581-MSD1)		**Source: WBL0426-16**			Prepared: 12/20/2021 Analyzed: 12/21/2021					
Glyphosate	44.1		5.00	ug/L	50.0	<2.26	88.2	70-130	0.452	25
AMPA	139	M1	10.0	ug/L	100	<2	139	70-130	4.91	25
Batch: BBL0737 - SVOC Water										
Blank (BBL0737-BLK1)					Prepared: 12/12/2021 Analyzed: 12/23/2021					
Metolachlor	ND		0.100	ug/L						
Atrazine	ND		0.100	ug/L						
Chlorpyrifos	ND		0.100	ug/L						
Surrogate: Terphenyl-d14			*17.8*	*ug/L*	*25.8*		*69.1*	*25-135*		
LCS (BBL0737-BS1)					Prepared: 12/12/2021 Analyzed: 12/23/2021					
Metolachlor	2.32		0.100	ug/L	2.50		92.8	60-125		
Chlorpyrifos	2.25		0.100	ug/L	2.50		90.0	50-125		
Atrazine	2.65		0.100	ug/L	2.50		106	60-125		
Surrogate: Terphenyl-d14			*16.5*	*ug/L*	*25.8*		*63.9*	*25-135*		

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

Quality Control Data
(Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBL0737 - SVOC Water (Continued)										
LCS Dup (BBL0737-BSD1)					Prepared: 12/12/2021 Analyzed: 12/23/2021					
Atrazine	2.70		0.100	ug/L	2.50		108	60-125	1.87	20
Chlorpyrifos	2.35		0.100	ug/L	2.50		94.0	50-125	4.35	20
Metolachlor	2.41		0.100	ug/L	2.50		96.4	60-125	3.81	20
Surrogate: Terphenyl-d14			*16.7*	*ug/L*	*25.8*		*65.0*	*25-135*		

Anatek Labs, Inc.

Chain of Custody Record

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

Anatek Log-In #

WBL0426

Due: 12/27/21

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:

Turn Arou

Please refer to ou
http://www.anateklabs.com/services/guidelines/reporting.asp

✓ Normal
__Next Day*
__2nd Day*
__Other*______

*All rush order requests must be prior approved.

__Phone
__Mail
__Fax
x Email

Provide Sample Description / List Analyses Requested

Preservative:

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	TSS EPA 160.2	TPH HCID - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1	Pesticides EPA 625 SIM	Glyphosate EPA 547	Pesticides Sed. EPA 827D	Glyphosate Sed. EPA 8321B	
	WW-3 5	12-07-2021/09:15 HST	Water	7		X	X	X	X	X	X	X			
	E-2 5	12-07-2021/10:00 HST	Water	7		X	X	X	X	X	X	X			
	E-1 4	12-07-2021/09:00 HST	Water	7		X	X	X	X	X	X	X			
	E-1 DUP 5	12-07-2021/09:05 HST	Water	7		X	X	X	X	X	X	X			
	E-1 MS/MSD 5	12-07-2021/09:10 HST	Water	7		X	X	X	X	X	X	X			
	U-2/WW-5 4	12-07-2021/09:30 HST	Water	5		X	X	X	X	X					

Note Special Instructions/Comments

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

Inspection Checklist

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

Temperature (°C): See attached
Preservative:
Date & Time:
Inspected By:

	Printed Name	Signature	Company	Date	Time
Relinquished by	Ben Berridge	[signature]	Cardno	12/8/2021	14:00
Received by	Joseph Pippin	[signature]	Anatek	12/10/21	1500
Relinquished by					
Received by					
Relinquished by					
Received by					

Form COC01.00 - Eff 1 Mar 2015

Page 1 of 2

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.

Anatek Labs, Inc.

Sample Receipt and Preservation Form

WBL0426

Due: 12/27/21

Client Name: Cardno Project:

TAT: (Normal) RUSH: _____ days

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

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

Number of Coolers/Boxes: 5 Type of Ice: (Ice/Ice Packs) (Blue Ice) Dry Ice None

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

Cooler Temp As Read (°C): See below Cooler Temp Corrected (°C): 0 Thermometer Used: IR #2

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	(Yes)	No	N/A	
VOC Vials Free of Headspace (<6mm)?	(Yes)	No	N/A	
VOC Trip Blanks Present?	Yes	No	(N/A)	
Labels and Chains Agree?	(Yes)	No	N/A	
Total Number of Sample Bottles Received: 105				

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

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

Cooler #1 1.4°C Cooler #5 0.3 40 mL VOA NaThio 210462
Cooler #2 1.8°C 2x 40mL VOA HCl 2103533
Cooler #3 1.2°C 1000 mL None
Cooler #4 2.1°C 250 mL None
1L Amber HCl 210273C
1L Amber None

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

Received/Inspected By: Kathleen A. Sattler Date/Time: 12-10-21 / 1700

Form F06.00 - Eff. 10 Nov. 2021

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01701020.D
Acq On : 23 Dec 2021 7:43 pm
Operator : MAH
Sample : MBL426-17
Misc : CD
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 26 13:01:39 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.694	150	19378929	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.301	164	25862557	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.129	188	39000751	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.377	240	17996556	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.477	172	35457503	20.75	ug/mL		0.00
9) Terphenyl-d14	14.099	244	23706032	16.58	ug/mL		0.00
Spiked Amount 25.000			Recovery =	66.32%			
Target Compounds							Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01601019.D
Acq On : 23 Dec 2021 7:16 pm
Operator : MAH
Sample : MBL426-16
Misc : CD
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 26 12:59:44 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.693	150	17810138	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.301	164	23910859	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.129	188	36576802	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.375	240	15755615	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.477	172	33554130	21.36	ug/mL		0.00
9) Terphenyl-d14	14.098	244	22102619	17.65	ug/mL		0.00
Spiked Amount 25.000			Recovery =	70.60%			
Target Compounds							Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01501018.D
Acq On : 23 Dec 2021 6:48 pm
Operator : MAH
Sample : MBL426-15
Misc : CD
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 26 12:58:56 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.695	150	18063070	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.301	164	24186159	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.129	188	39161996	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.377	240	21263758	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.477	172	35029037	21.99	ug/mL	0.00
9) Terphenyl-d14	14.099	244	21932942	12.98	ug/mL	0.00
Spiked Amount 25.000			Recovery =	51.92%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01401017.D
Acq On : 23 Dec 2021 6:21 pm
Operator : MAH
Sample : MBL426-14
Misc : CD
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 26 12:58:11 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.692	150	19164592	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.301	164	25720091	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.128	188	39098408	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.375	240	15305387	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.478	172	36135814	21.38	ug/mL	0.00
9) Terphenyl-d14	14.098	244	21382968	17.58	ug/mL	0.00
Spiked Amount 25.000			Recovery =	70.32%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01301016.D
Acq On : 23 Dec 2021 5:54 pm
Operator : MAH
Sample : BLK
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 26 12:57:20 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.694	150	20956264	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.302	164	27916194	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.130	188	42561206	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	18028734	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.478	172	34037889	18.42	ug/mL		0.00
9) Terphenyl-d14	14.099	244	25480095	17.79	ug/mL		0.00
Spiked Amount 25.000			Recovery =	71.16%			
Target Compounds							Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01201015.D
Acq On : 23 Dec 2021 5:26 pm
Operator : MAH
Sample : LFBD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 26 12:56:48 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.694	150	17301684	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.302	164	22753755	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	12.128	188	37386741	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.377	240	20569601	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.478	172	33232606	21.78	ug/mL	0.00
9) Terphenyl-d14	14.099	244	27337688	16.73	ug/mL	0.00
Spiked Amount 25.000			Recovery =	66.92%		
Target Compounds						Qvalue
4) Atrazine	11.782	200	1074090	2.70	ug/mL	91
6) Metolachlor	12.985	162	2756020	2.41	ug/mL	98
7) Chlorpyrifos	12.989	197	650298	2.35	ug/mL	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 01101014.D
Acq On : 23 Dec 2021 4:59 pm
Operator : MAH
Sample : LFB
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 26 12:55:56 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.695	150	15312754	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.301	164	21029642	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.129	188	34980119	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.377	240	18460896	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.477	172	29018427	21.49	ug/mL		0.00
9) Terphenyl-d14	14.099	244	24147379	16.46	ug/mL		0.00
Spiked Amount 25.000			Recovery =	65.84%			
Target Compounds							Qvalue
4) Atrazine	11.782	200	972953	2.65	ug/mL		92
6) Metolachlor	12.985	162	2477216	2.32	ug/mL		98
7) Chlorpyrifos	12.988	197	581472	2.25	ug/mL		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00801008.D
Acq On : 23 Dec 2021 2:15 pm
Operator : MAH
Sample : CD 0.05 PPM
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 27 13:26:40 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.689	150	21414891	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	27607878	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.130	188	41761851	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	15378893	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.482	172	47235334	25.01	ug/mL		0.00
9) Terphenyl-d14	14.100	244	29974119	24.53	ug/mL		0.00
Spiked Amount 25.000			Recovery =	98.12%			
Target Compounds							Qvalue
4) Atrazine	11.784	200	15672	0.06	ug/mL	#	83
6) Metolachlor	12.985	162	40182	0.06	ug/mL		99
7) Chlorpyrifos	12.990	197	10828m	0.06	ug/mL		

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00701007.D
Acq On : 23 Dec 2021 1:48 pm
Operator : MAH
Sample : CD 0.1 PPM
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 27 13:26:03 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.689	150	21673515	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	28151951	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.131	188	42698028	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	15837658	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.482	172	48579494	25.42	ug/mL		0.00
9) Terphenyl-d14	14.100	244	31111146	24.72	ug/mL		0.00
Spiked Amount 25.000			Recovery =	98.88%			
Target Compounds							Qvalue
4) Atrazine	11.784	200	28616	0.09	ug/mL	#	83
6) Metolachlor	12.985	162	72333	0.09	ug/mL		98
7) Chlorpyrifos	12.990	197	19151	0.09	ug/mL		92

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00601006.D
Acq On : 23 Dec 2021 1:22 pm
Operator : MAH
Sample : CD 0.5 PPM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 27 13:25:36 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.688	150	23309068	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	30250680	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.131	188	45570854	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	16548130	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.482	172	51042067	24.83	ug/mL		0.00
9) Terphenyl-d14	14.100	244	31827483	24.20	ug/mL		0.00
Spiked Amount 25.000			Recovery =	96.80%			
Target Compounds							Qvalue
4) Atrazine	11.783	200	214751	0.45	ug/mL		98
6) Metolachlor	12.986	162	563334	0.45	ug/mL		99
7) Chlorpyrifos	12.990	197	144322	0.46	ug/mL		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00501005.D
Acq On : 23 Dec 2021 12:54 pm
Operator : MAH
Sample : CD 1 PPM
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 27 13:25:11 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.687	150	23448072	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.304	164	30307062	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.131	188	45325065	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	13411161	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.482	172	51144574	24.73	ug/mL		0.00
9) Terphenyl-d14	14.100	244	29905878	28.06	ug/mL		0.00
Spiked Amount 25.000			Recovery =	112.24%			
Target Compounds							Qvalue
4) Atrazine	11.783	200	456121	0.90	ug/mL		98
6) Metolachlor	12.985	162	1225303	0.93	ug/mL		98
7) Chlorpyrifos	12.989	197	302806	0.94	ug/mL		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00401004.D
Acq On : 23 Dec 2021 12:27 pm
Operator : MAH
Sample : CD 2.5 PPM
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 27 13:24:28 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.688	150	22653571	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	29641940	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.130	188	45180774	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.377	240	16865836	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.481	172	49543376	24.80	ug/mL		0.00
9) Terphenyl-d14	14.100	244	32018430	23.89	ug/mL		0.00
Spiked Amount 25.000			Recovery =	95.56%			
Target Compounds							Qvalue
4) Atrazine	11.783	200	1240822	2.41	ug/mL		98
6) Metolachlor	12.985	162	3370427	2.43	ug/mL		98
7) Chlorpyrifos	12.989	197	808570	2.41	ug/mL		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00301003.D
Acq On : 23 Dec 2021 12:00 pm
Operator : MAH
Sample : CD 5 PPM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 27 13:24:00 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.692	150	20511848	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	26543530	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.131	188	42039585	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.377	240	17584861	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.481	172	44672396	24.69	ug/mL		0.00
9) Terphenyl-d14	14.100	244	31719434	22.70	ug/mL		0.00
Spiked Amount 25.000			Recovery =	90.80%			
Target Compounds							Qvalue
4) Atrazine	11.784	200	2606654	5.37	ug/mL		99
6) Metolachlor	12.986	162	7266624	5.28	ug/mL		97
7) Chlorpyrifos	12.991	197	1742708	5.27	ug/mL		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\Users\markh\Desktop\data files\DEC23CD\
Data File : 00201002.D
Acq On : 23 Dec 2021 11:33 am
Operator : MAH
Sample : CD 10 PPM
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 27 13:22:58 2021
Quant Method : C:\Users\markh\Desktop\2021methods\Cardno122321.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Sun Dec 26 12:53:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.687	150	21369887	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.303	164	28086960	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	12.130	188	42106356	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.376	240	13552777	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.481	172	48093209	25.52	ug/mL		0.00
9) Terphenyl-d14	14.100	244	28958929	26.89	ug/mL		0.00
Spiked Amount 25.000			Recovery =	107.56%			
Target Compounds							Qvalue
4) Atrazine	11.787	200	5416364	9.87	ug/mL		98
6) Metolachlor	12.987	162	14944826	9.88	ug/mL		95
7) Chlorpyrifos	12.992	197	3566738	9.91	ug/mL		93

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

Area Percent Report

Data Path : T:\Data1\MSD4\2021\DEC\23CD\
Data File : 00101001.D
Acq On : 23 Dec 2021 11:06 am
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

DRT Breakdown

Integration Parameters: autoint1.e
Integrator: ChemStation

Method : T:\Data1\MSD4\METHODS\2021\121021BNA.m
Title : EPA 8270D - GC MSD4

Signal : TIC: 00101001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	13.982	2272	2275	2278	M2	8295	60370	0.34%	0.307%
2	14.438	2365	2374	2380	M	160781	1756465	9.84%	8.931%
3	14.806	2444	2454	2460	M	1618767	17850852	100.00%	90.762%

RPK PM DRT 12-27-21

Sum of corrected areas: 19667687

121021BNA.m Thu Dec 23 11:41:44 2021

DFTPP

Data Path : T:\Data1\MSD4\2021\DEC\23CD\
Data File : 00101001.D
Acq On : 23 Dec 2021 11:06 am
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : T:\Data1\MSD4\METHODS\2020\Cardno929.m
Title : EPA 8270D - GC MSD4
Last Update : Wed Sep 30 09:54:33 2020

AutoFind: Averaged scan 1942 to 1964; Bkg corrected with scan 1941

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	48.7	15217	PASS
68	69	0.00	2	1.5	225	PASS
69	198	0.00	100	47.3	14779	PASS
70	69	0.00	2	0.5	80	PASS
127	198	25	75	56.6	17689	PASS
197	198	0.00	1	0.2	52	PASS
198	198	100	100	100.0	31230	PASS
199	198	5	9	6.9	2150	PASS
275	198	10	60	32.4	10123	PASS
365	198	0.00	100	6.3	1958	PASS
441	443	0.01	100	74.2	8492	PASS
442	198	39	200	189.5	59178	PASS
443	442	15	24	19.3	11449	PASS

Cardno929.m Thu Dec 23 11:38:14 2021

PREPARATION BENCH SHEET
Organics

BBL0737

Print Date/Time: 12/27/2021 12:57 pm

Matrix: Water

Prepared using: SVOC - SVOC Water

Analyses
SVOC 625 MISC

Spiking Solution(s)
2103910 Cardno Spk 50

Surrogate Solution(s)
2100830 CLP Acid Surr 2000
2102811 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
BBL0737-BLK1	Blank			12/12/2021 12:06:00AM	1000	1		25	
BBL0737-BS1	LCS			12/12/2021 12:06:00AM	1000	1	50	25	
BBL0737-BSD1	LCS Dup			12/12/2021 12:06:00AM	1000	1	50	25	
WBL0426-14	WW-3	12/22/2021	12/14/2021	12/12/2021 12:06:00AM	1000	1		25	
WBL0426-15	E-2	12/22/2021	12/14/2021	12/12/2021 12:06:00AM	1000	1		25	
WBL0426-16	E-1	12/22/2021	12/14/2021	12/12/2021 12:06:00AM	1000	1		25	
WBL0426-17	E-1 DUP	12/22/2021	12/14/2021	12/12/2021 12:06:00AM	1000	1		25	

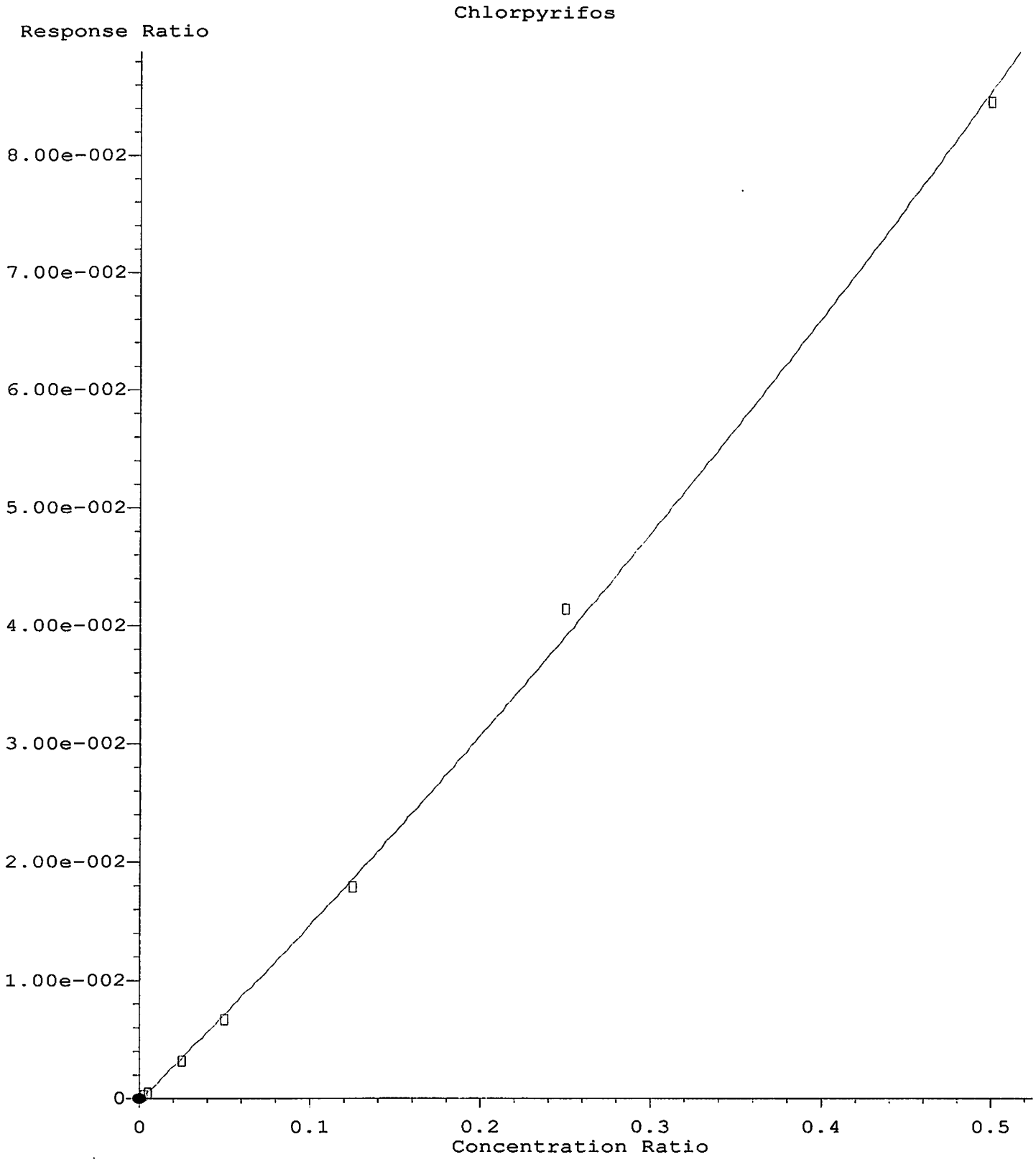
Reagents

Standard	Description	LotNum
2000154	Acetone - GC grade	59074
2000155	H2SO4	58115
2001247	MeCl2	58039
2102881	CLP I.S. Spike 2000	032520

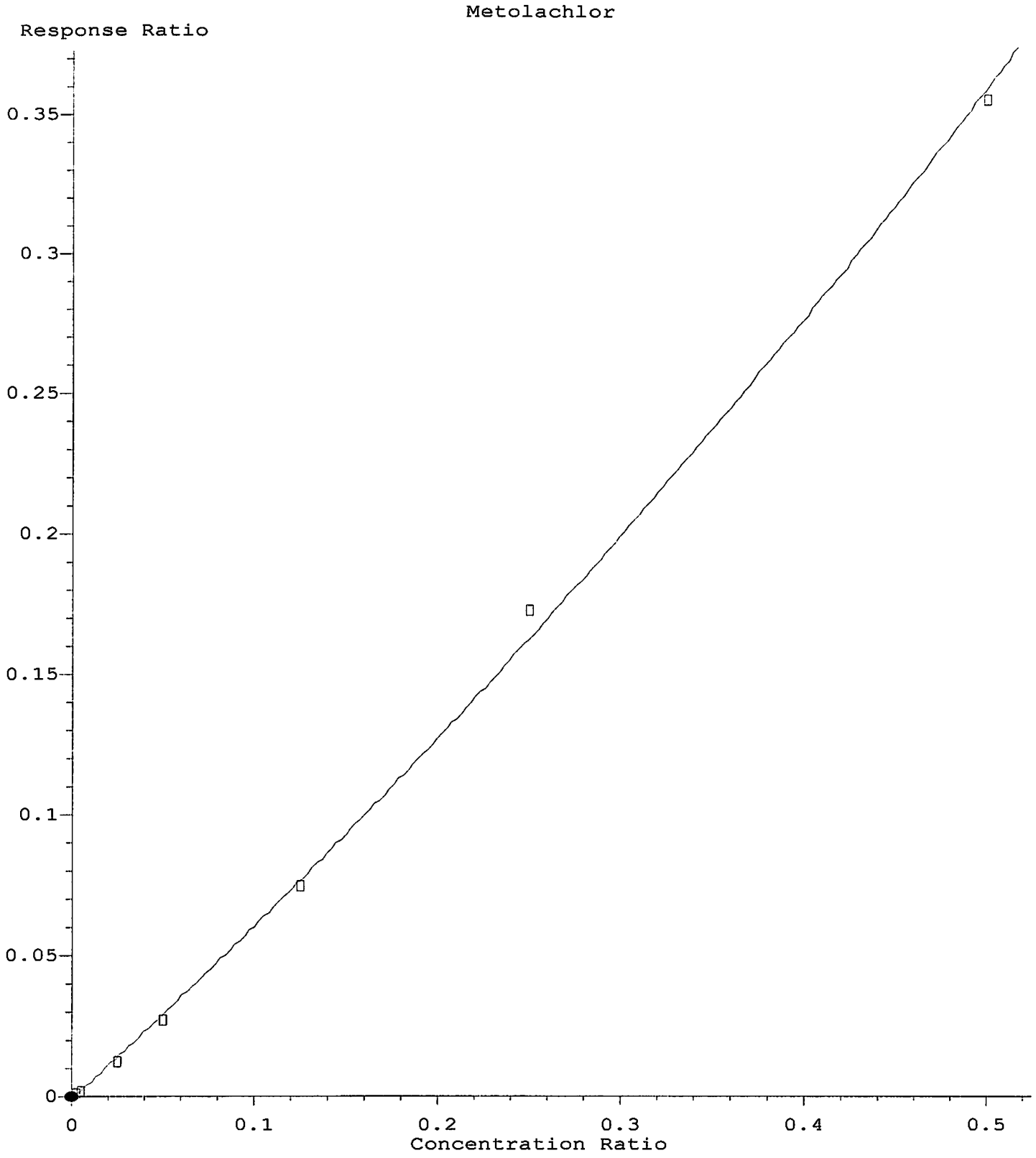
Batch Comments:
Acidic start/stop time: 3PM- 8AM
Basic start/stop tiime: 8AM-3PM
Instrument: 7890/5975 GCMS
Ext. Method: 3520C liq-liq/Waste Dilution/Microextr
TurboVap: 01
Balance: 04

Analyst: _____ Date _____

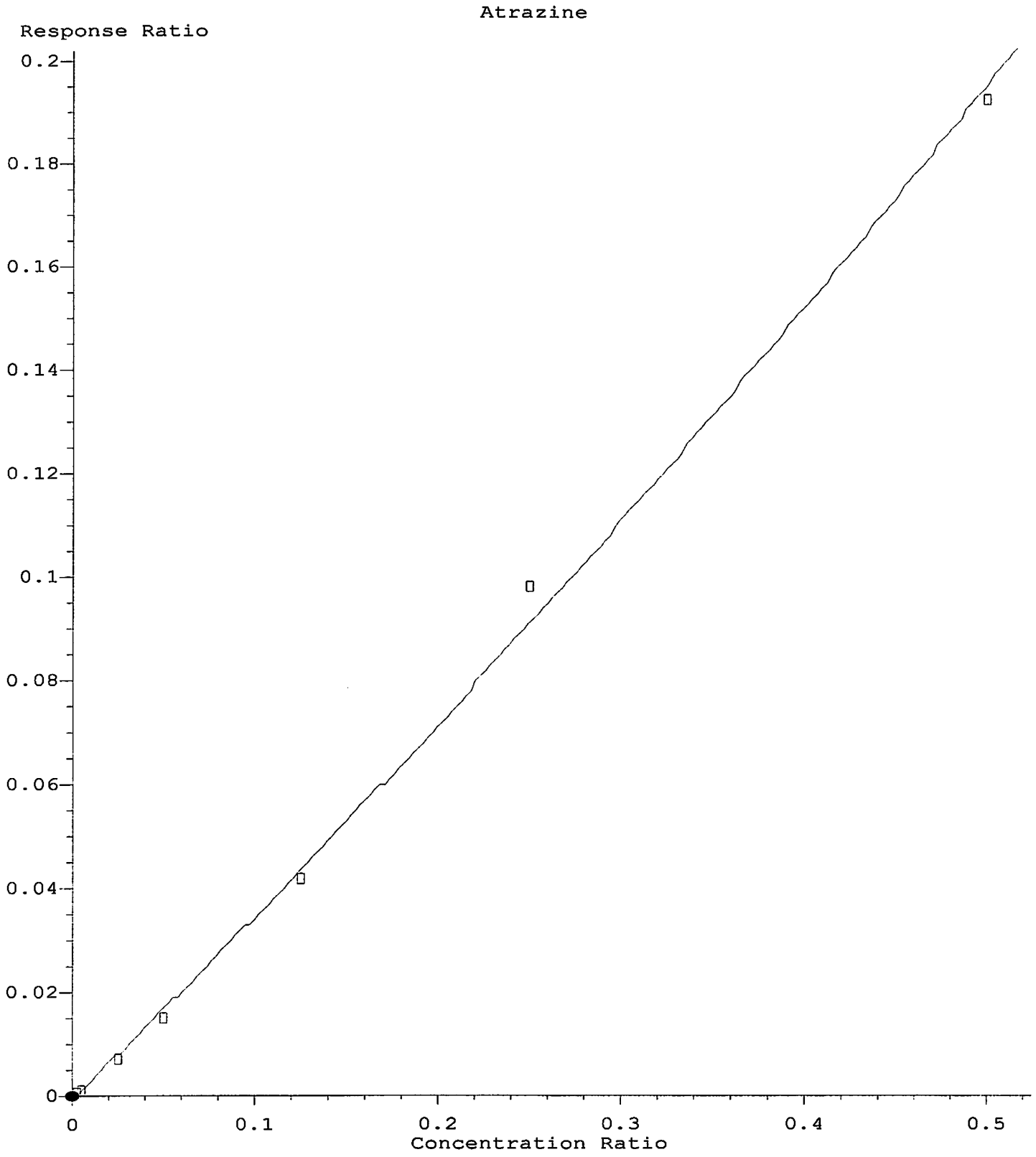
Run Date: 12-23-21 Date _____



R = 5.71e-002 A*A + 1.43e-001 A - 1.88e-004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: C:\Users\markh\Desktop\2021methods\Cardno122321.M
Calibration Table Last Updated: Sun Dec 26 12:53:10 2021



R = 2.68e-001 A*A + 5.88e-001 A - 9.01e-004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: C:\Users\markh\Desktop\2021methods\Cardno122321.M
Calibration Table Last Updated: Sun Dec 26 12:53:10 2021



R = 1.06e-001 A*A + 3.39e-001 A - 5.18e-004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)
Method Name: C:\Users\markh\Desktop\2021methods\Cardno122321.M
Calibration Table Last Updated: Sun Dec 26 12:53:10 2021

Response Factor Report MSD4

Method Path : C:\Users\markh\Desktop\2021methods\
Method File : Cardno122321.M
Title : EPA 8270D - GC MSD4
Last Update : Sun Dec 26 12:53:10 2021
Response Via : Initial Calibration

Calibration Files
0.05=00801008.D 10 =00201002.D 5 =00301003.D 2.5 =00401004.D 1 =00501005.D 0.5 =00601006.D
0.1 =00701007.D

		Compound	0.05	10	5	2.5	1	0.5	0.1	Avg	%RSD
1)	I	Dichlorobenzene-d5	----------ISTD----------								
2)	S	2-Fluorobiphenyl	1.765	1.800	1.742	1.750	1.745	1.752	1.793	1.764	1.34
3)	I	Acenaphthene-d10	----------ISTD----------								
4)		Atrazine	0.227	0.386	0.393	0.335	0.301	0.284	0.203	0.304	24.01
5)	I	Phenanthrene-d10	----------ISTD----------								
6)		Metolachlor	0.385	0.712	0.691	0.597	0.541	0.494	0.345	0.538	26.28
7)		Chlorpyrifos	0.101	0.169	0.166	0.143	0.134	0.127	0.090	0.133	22.63
8)	I	Chrysene-d12	----------ISTD----------								
9)	S	Terphenyl-d14	1.559	1.709	1.443	1.519	1.784	1.539	1.572	1.589	7.38

(#) = Out of Range

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	2102811	8/22	1000
CLP Internal Standard	2102881	9/22	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 $MeCl_2$ (2102043).

Analyst Initials: MAH Date of Preparation: 9/05/21 by MAH

Starting sequence Thu Dec 23 11:04:26 2021

Instrument Name: MSD4
Sequence File: C:\MSDCHEM\1\SEQUENCE\122221.S
Comment:
Operator: MAH
Data Path: T:\DATA1\MSD4\2021\DEC\23CD\
Method Path: C:\MSDCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	00101001	SVOCT1	SYS
2)	Sample	2	00201002	CARDSIM	CD 10 PPM
3)	Sample	3	00301003	CARDSIM	CD 5 PPM
4)	Sample	4	00401004	CARDSIM	CD 2.5 PPM
5)	Sample	5	00501005	CARDSIM	CD 1 PPM
6)	Sample	6	00601006	CARDSIM	CD 0.5 PPM
7)	Sample	7	00701007	CARDSIM	CD 0.1 PPM
8)	Sample	8	00801008	CARDSIM	CD 0.05 PPM
9)	Sample	21	02101009	SVOCT1	WD 20 PPM
10)	Sample	22	02201010	SVOCT1	WD 15 PPM
11)	Sample	23	02301011	SVOCT1	WD 10 PPM
12)	Sample	24	02401012	SVOCT1	WD 5 PPM
13)	Sample	25	02501013	SVOCT1	WD 2.5 PPM
14)	Sample	11	01101014	CARDSIM	LFB
15)	Sample	12	01201015	CARDSIM	LFBD
16)	Sample	13	01301016	CARDSIM	BLK
17)	Sample	14	01401017	CARDSIM	MBL426-14 w
18)	Sample	15	01501018	CARDSIM	MBL426-15 w
19)	Sample	16	01601019	CARDSIM	MBL426-16 w
20)	Sample	17	01701020	CARDSIM	MBL426-17 w
21)	Sample	26	02601021	SVOCT1	BLK
22)	Sample	27	02701022	SVOCT1	MBL0090-01
23)	Sample	28	02801023	SVOCT1	MBL0091-01

12-27-21

Sequence completed Thu Dec 23 21:26:20 2021

T:\DATA1\MSD4\2021\DEC\23CD\2021 Dec 23 1104 Quality Log.LOG
T:\DATA1\MSD4\2021\DEC\23CD\2021 Dec 23 1104 Sequence Log .LOG

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10009.D Vial: 7
Acq On : 20 Dec 2021 16:17 Operator: ARC
Sample : BBL0463-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:48 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	95545485	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	95818217	50.832	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	101.66%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

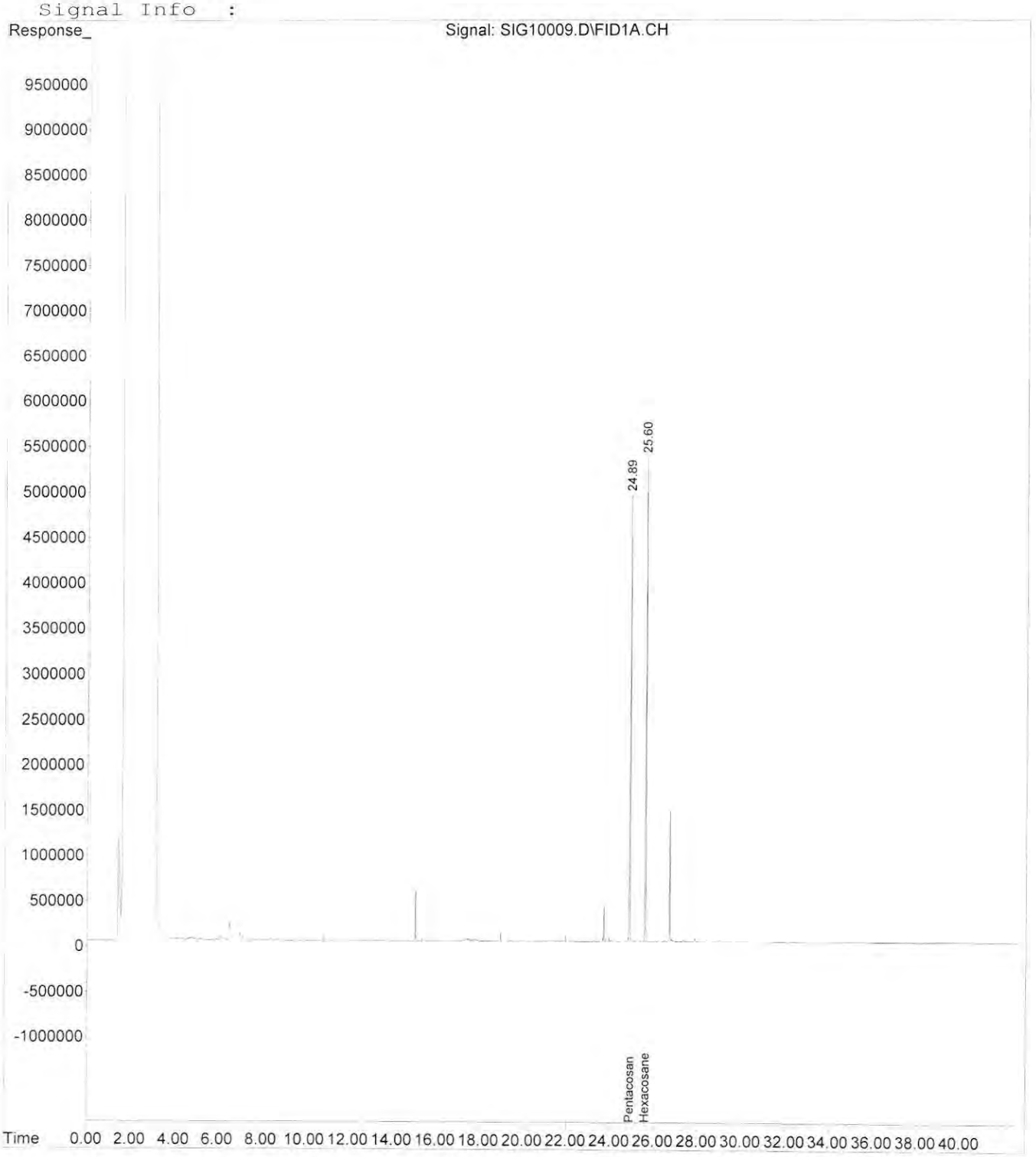
(f)=RT Delta > 1/2 Window (m)=manual int
SIG10009.D 211119DHTLOW.M Wed Dec 22 08:18:59 2021

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10009.D Vial: 7
Acq On : 20 Dec 2021 16:17 Operator: ARC
Sample : BBL0463-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 7:56 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10010.D Vial: 8
Acq On : 20 Dec 2021 17:12 Operator: ARC
Sample : BB:0463-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:49 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.88	99707713	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	25.60	100555749	51.118	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery = 102.24%			
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	278330759	214.575	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

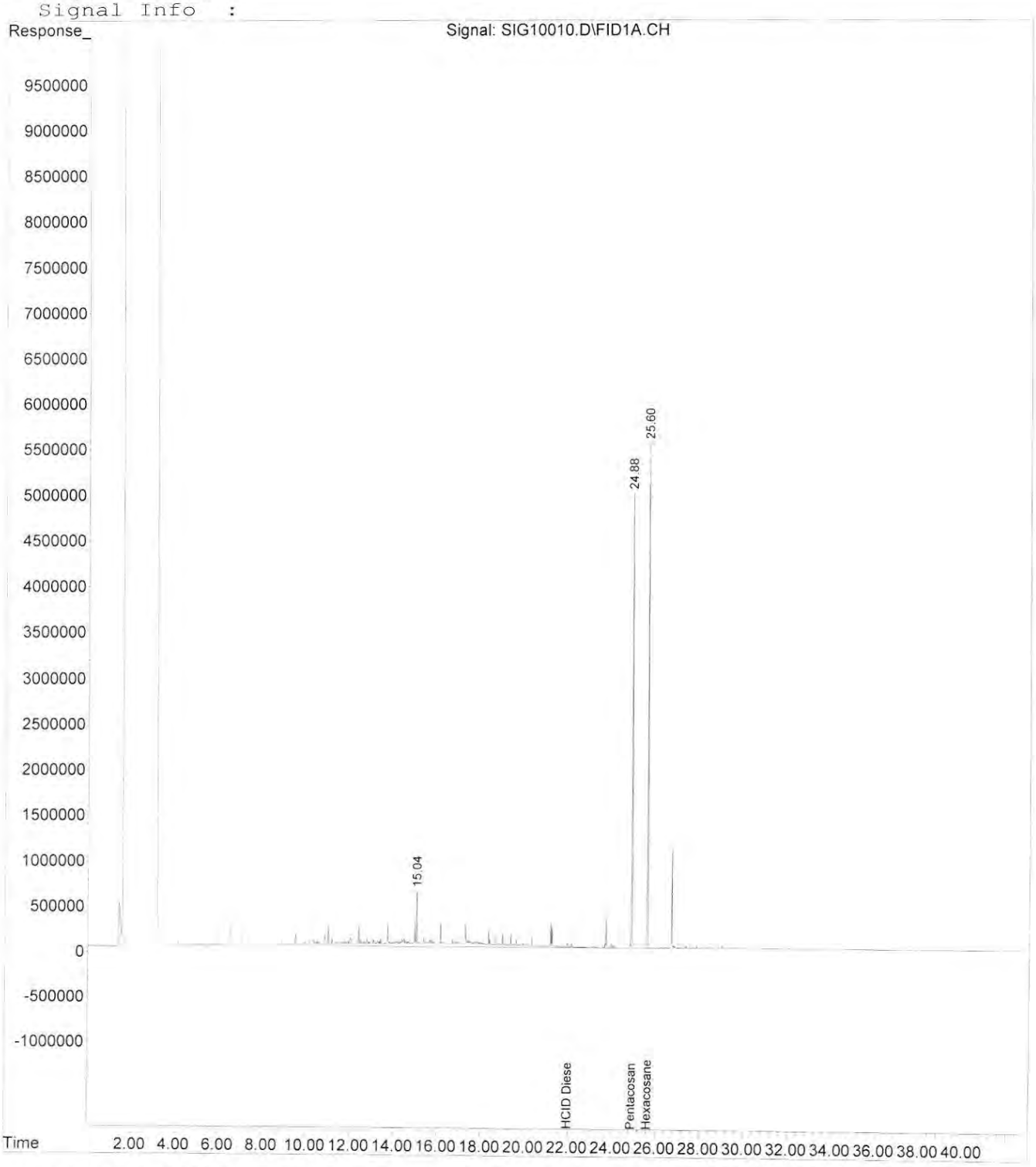
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10010.D Vial: 8
Acq On : 20 Dec 2021 17:12 Operator: ARC
Sample : BB:0463-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 7:57 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10011.D Vial: 9
Acq On : 20 Dec 2021 18:07 Operator: ARC
Sample : BBL0463-BSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:50 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.88	98149002	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	100479905	51.891	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	103.78%		
	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	288902901	226.262	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

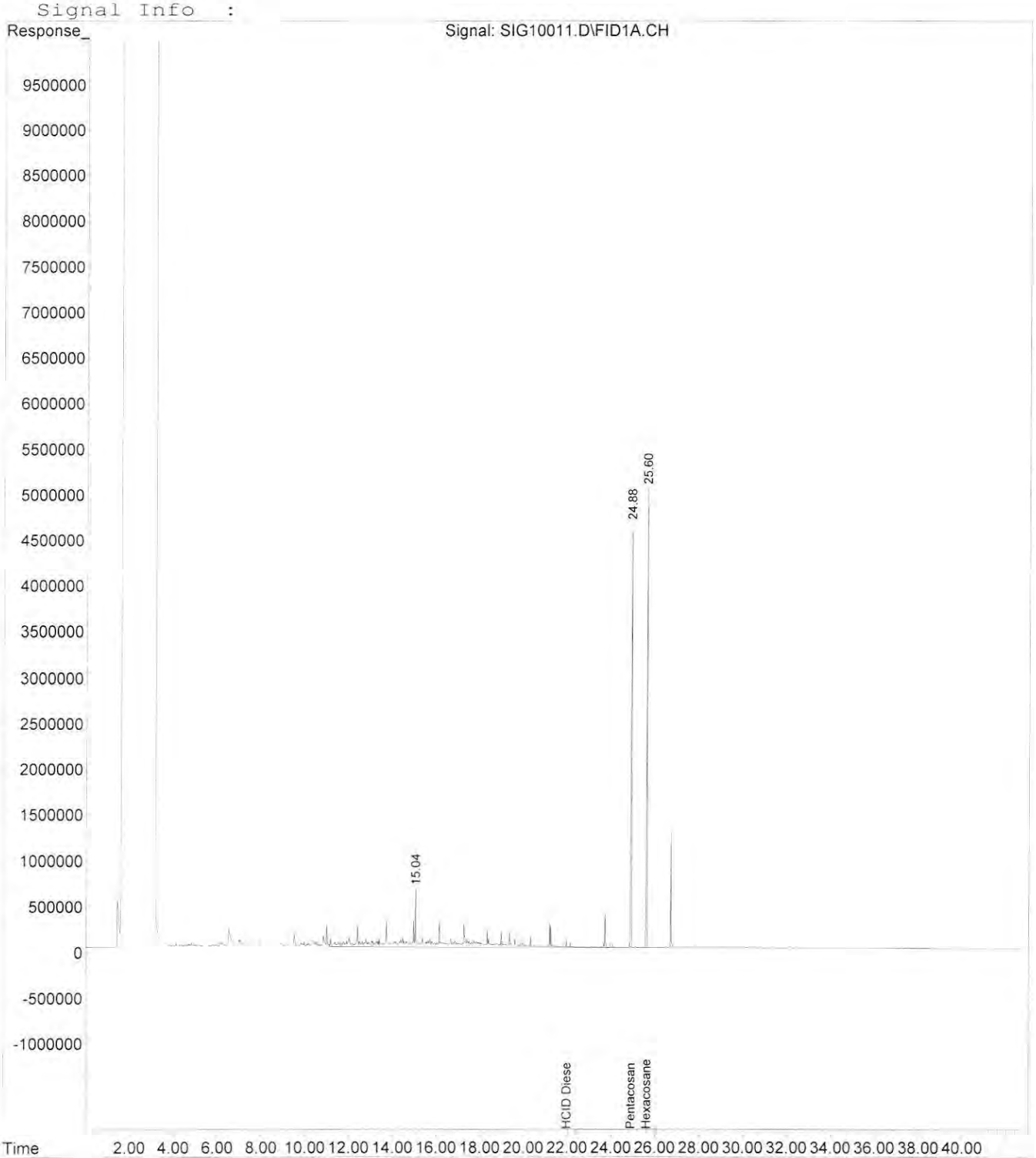
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10011.D Vial: 9
Acq On : 20 Dec 2021 18:07 Operator: ARC
Sample : BBL0463-BSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 7:59 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10012.D Vial: 10
Acq On : 20 Dec 2021 19:02 Operator: ARC
Sample : WBL0426-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:52 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

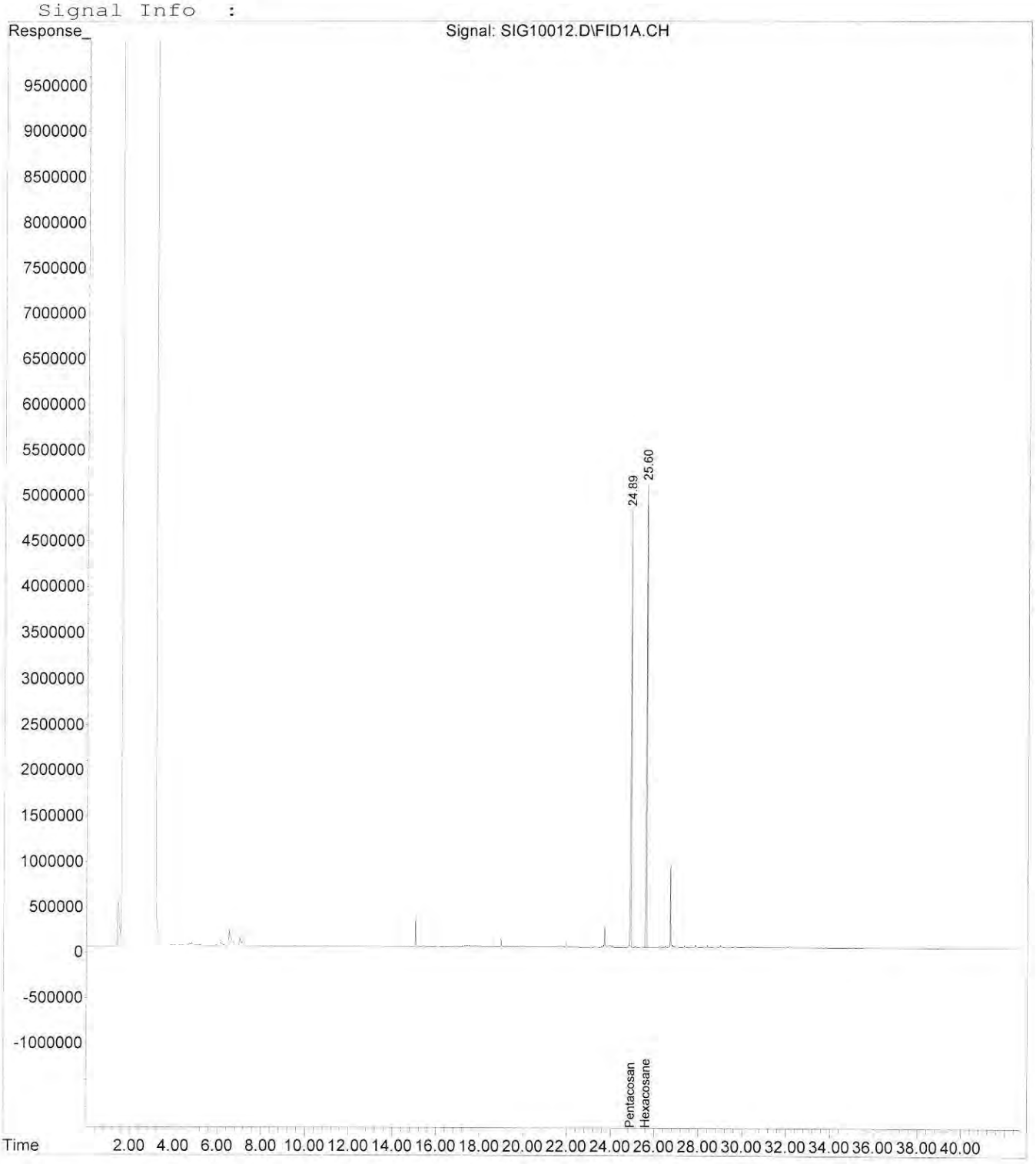
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	24.89	96903738	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	25.60	99474128	52.032	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery = 104.06%			
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10012.D Vial: 10
Acq On : 20 Dec 2021 19:02 Operator: ARC
Sample : WBL0426-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:00 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10013.D Vial: 11
Acq On : 20 Dec 2021 19:57 Operator: ARC
Sample : BBL0463-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:53 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	105395847	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	101513784	48.820	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	97.64%		
	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	291065322	212.282	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

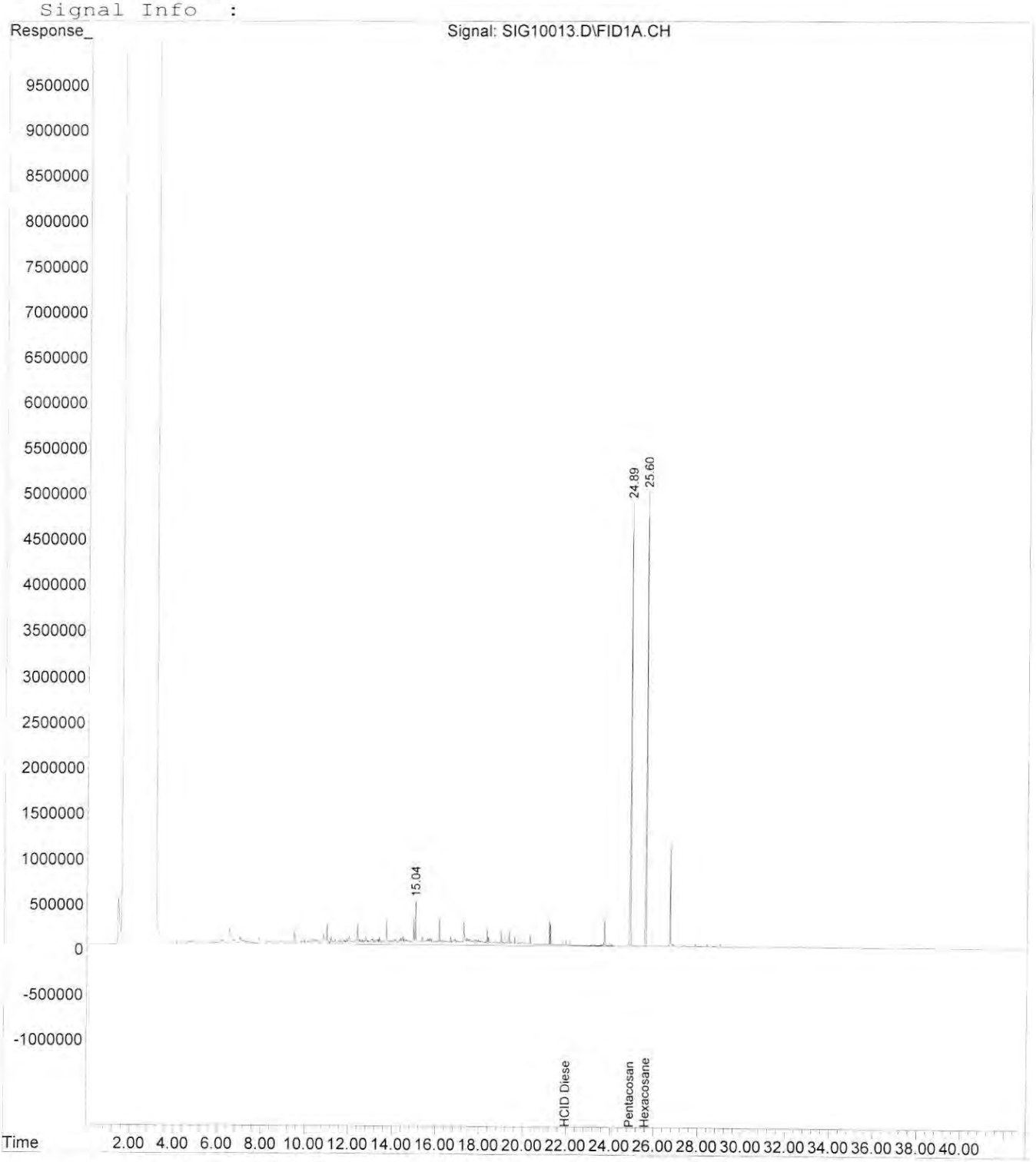
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10013.D Vial: 11
Acq On : 20 Dec 2021 19:57 Operator: ARC
Sample : BBL0463-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:01 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10014.D Vial: 12
Acq On : 20 Dec 2021 20:52 Operator: ARC
Sample : BBL0463-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:54 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

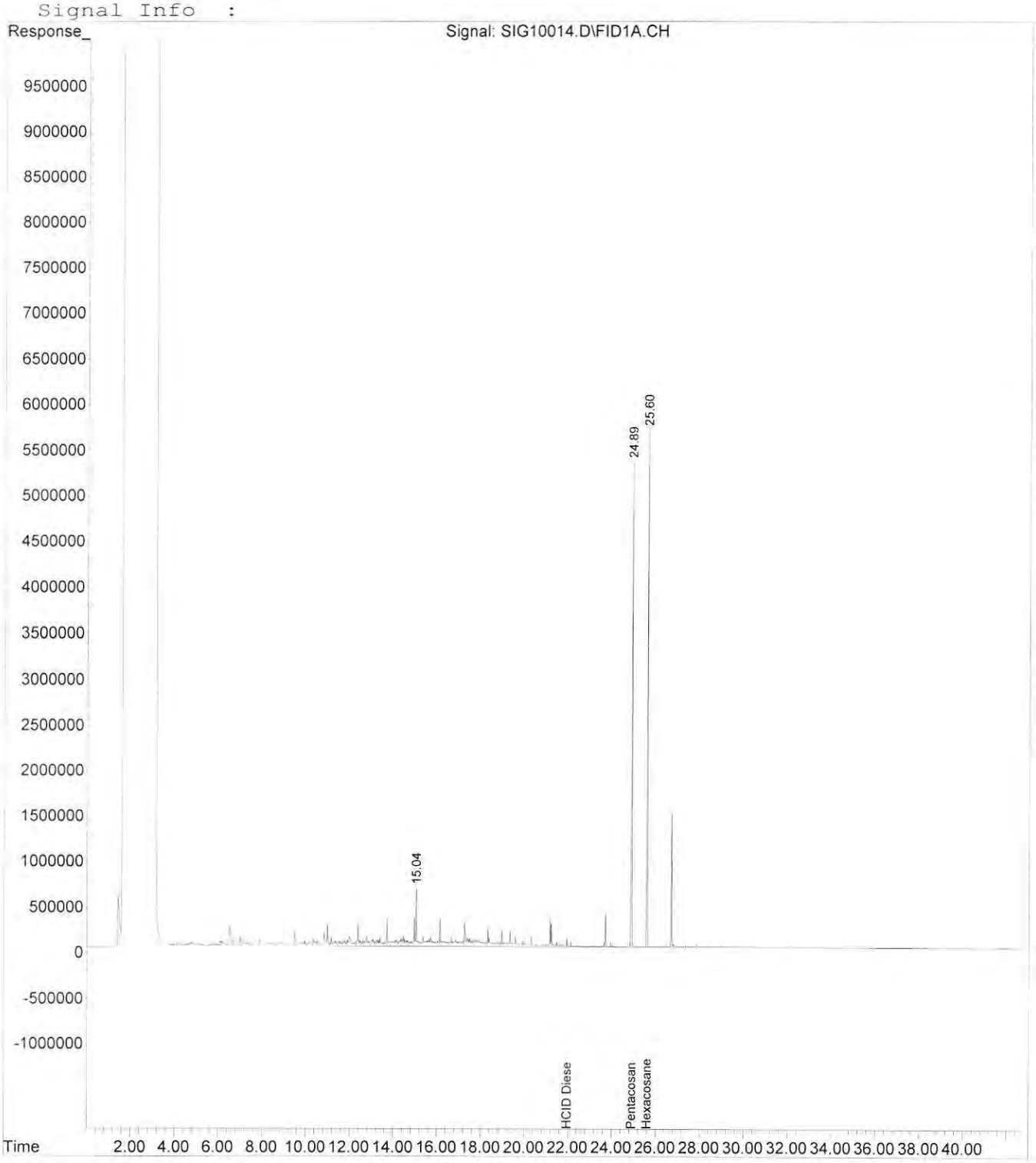
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	24.89	112569824	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	25.60	107898619	48.584	ppm	m
Spiked Amount 50.000	Range 50 - 150	Recovery =	97.17%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
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	318752733	217.660	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10014.D Vial: 12
Acq On : 20 Dec 2021 20:52 Operator: ARC
Sample : BBL0463-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:02 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10015.D Vial: 13
Acq On : 20 Dec 2021 21:47 Operator: ARC
Sample : WBL0426-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:55 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	101544471	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	101305186	50.568	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	101.14%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

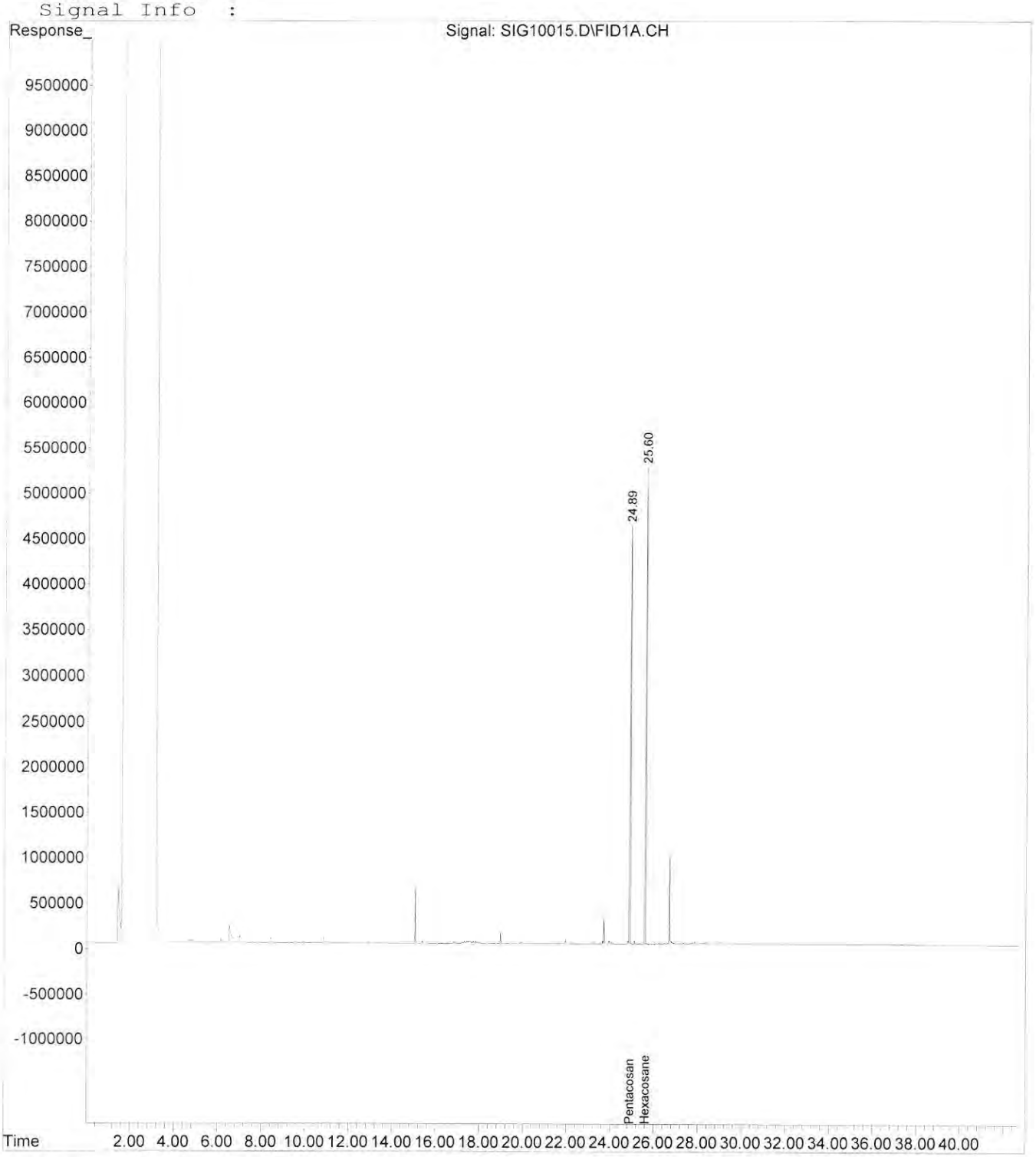
(f)=RT Delta > 1/2 Window (m)=manual in
SIG10015.D 211119DHTLOW.M Wed Dec 22 08:19:54 2021

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10015.D Vial: 13
Acq On : 20 Dec 2021 21:47 Operator: ARC
Sample : WBL0426-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 13:30 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10016.D Vial: 14
Acq On : 20 Dec 2021 22:43 Operator: ARC
Sample : BBL0463-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:56 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

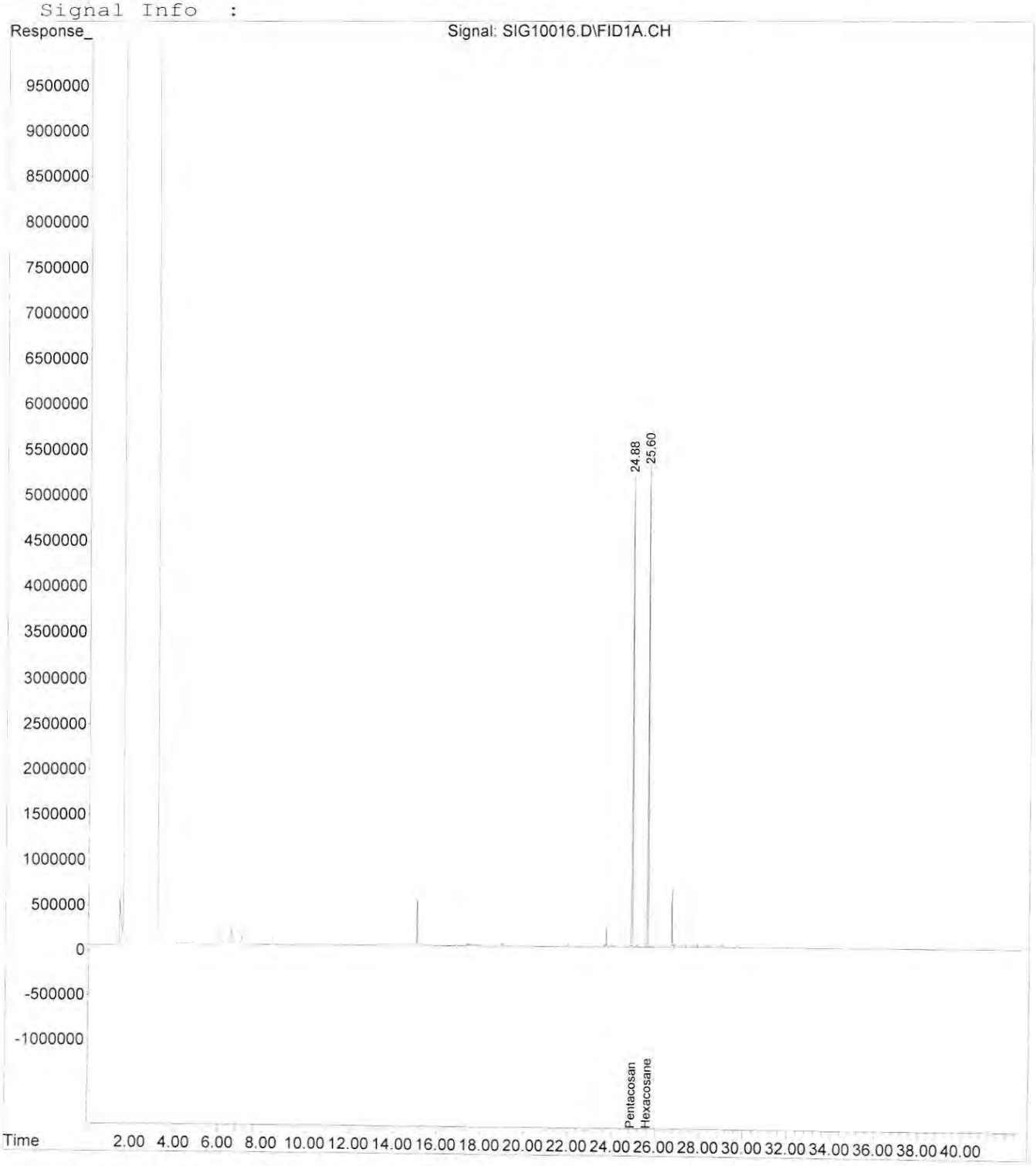
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.88	103795749	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	100177057	48.920	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	97.84%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10016.D Vial: 14
Acq On : 20 Dec 2021 22:43 Operator: ARC
Sample : BBL0463-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:03 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10017.D Vial: 15
Acq On : 20 Dec 2021 23:38 Operator: ARC
Sample : WBL0426-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:58 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.88	99343953	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	99890507	50.966	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	101.93%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

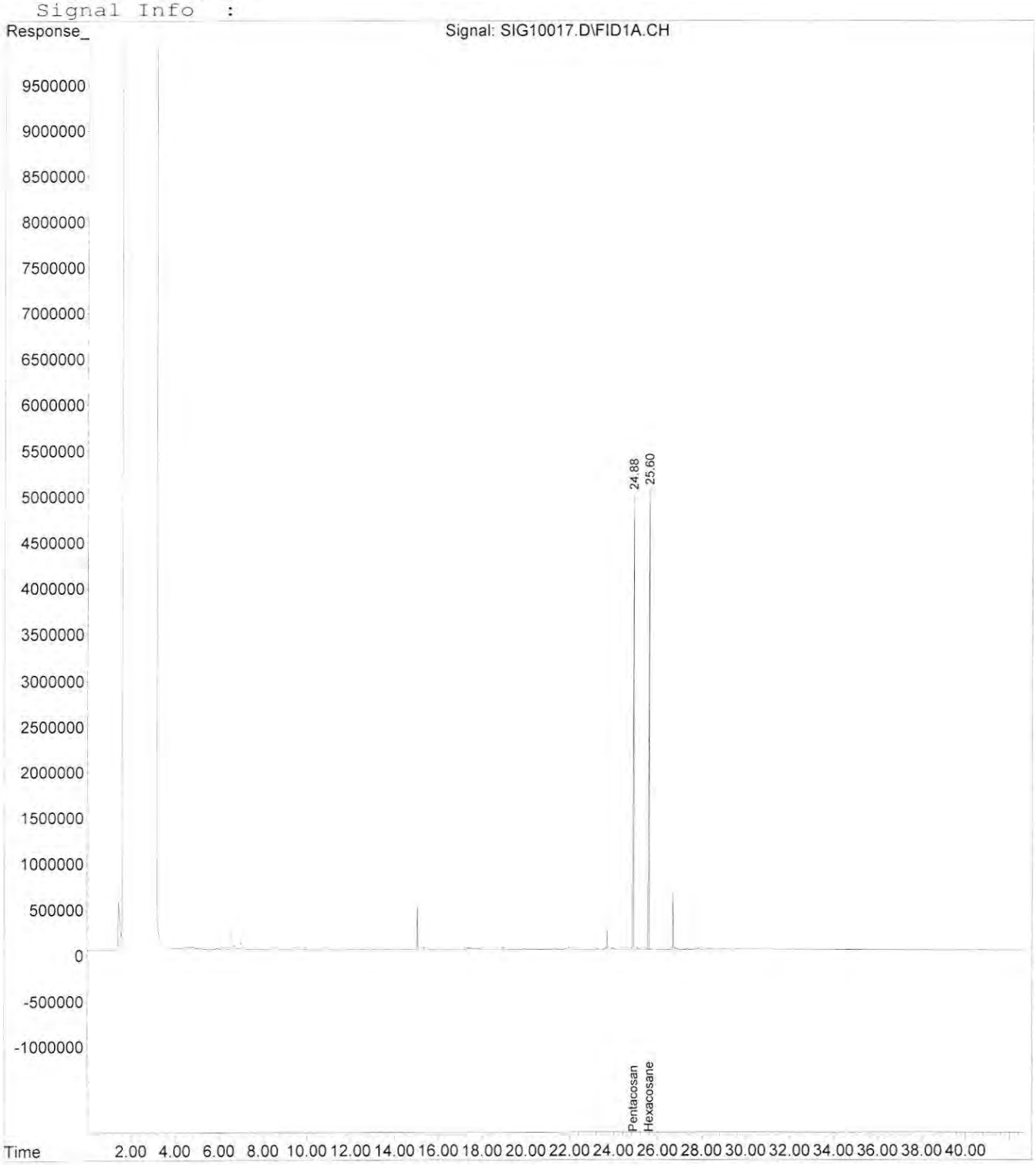
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10017.D Vial: 15
Acq On : 20 Dec 2021 23:38 Operator: ARC
Sample : WBL0426-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:04 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10018.D Vial: 16
Acq On : 21 Dec 2021 00:33 Operator: ARC
Sample : WBL0426-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:55:59 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.88	90426593	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.59	84282130	47.243	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.49%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

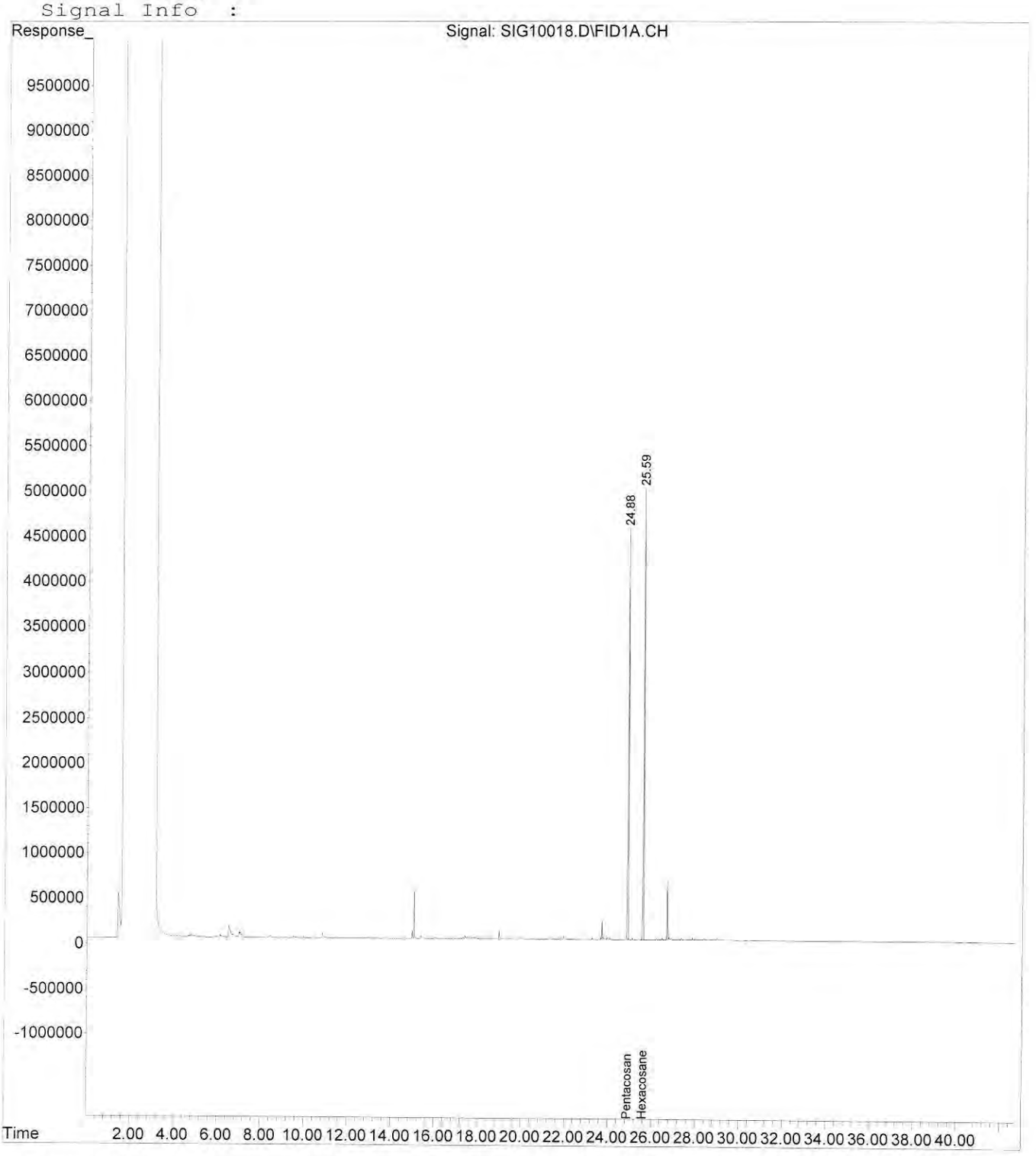
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10018.D Vial: 16
Acq On : 21 Dec 2021 00:33 Operator: ARC
Sample : WBL0426-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:04 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10019.D Vial: 17
Acq On : 21 Dec 2021 1:28 Operator: ARC
Sample : WBL0426-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:56:00 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	112323608	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	104198057	47.020	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.04%		
	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	

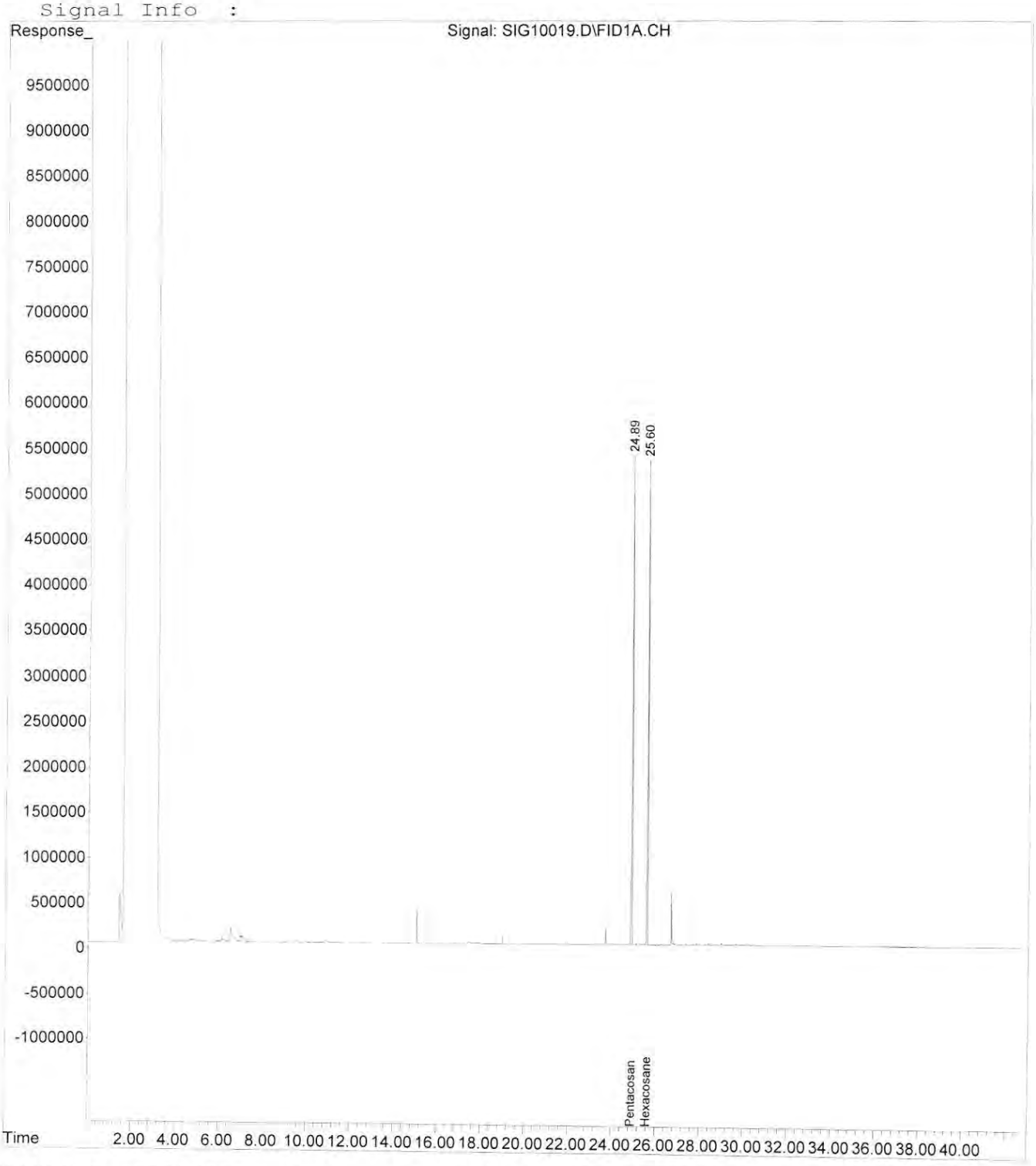
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10019.D Vial: 17
Acq On : 21 Dec 2021 1:28 Operator: ARC
Sample : WBL0426-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:04 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10020.D Vial: 18
Acq On : 21 Dec 2021 2:23 Operator: ARC
Sample : WBL0426-05 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 07:56:02 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

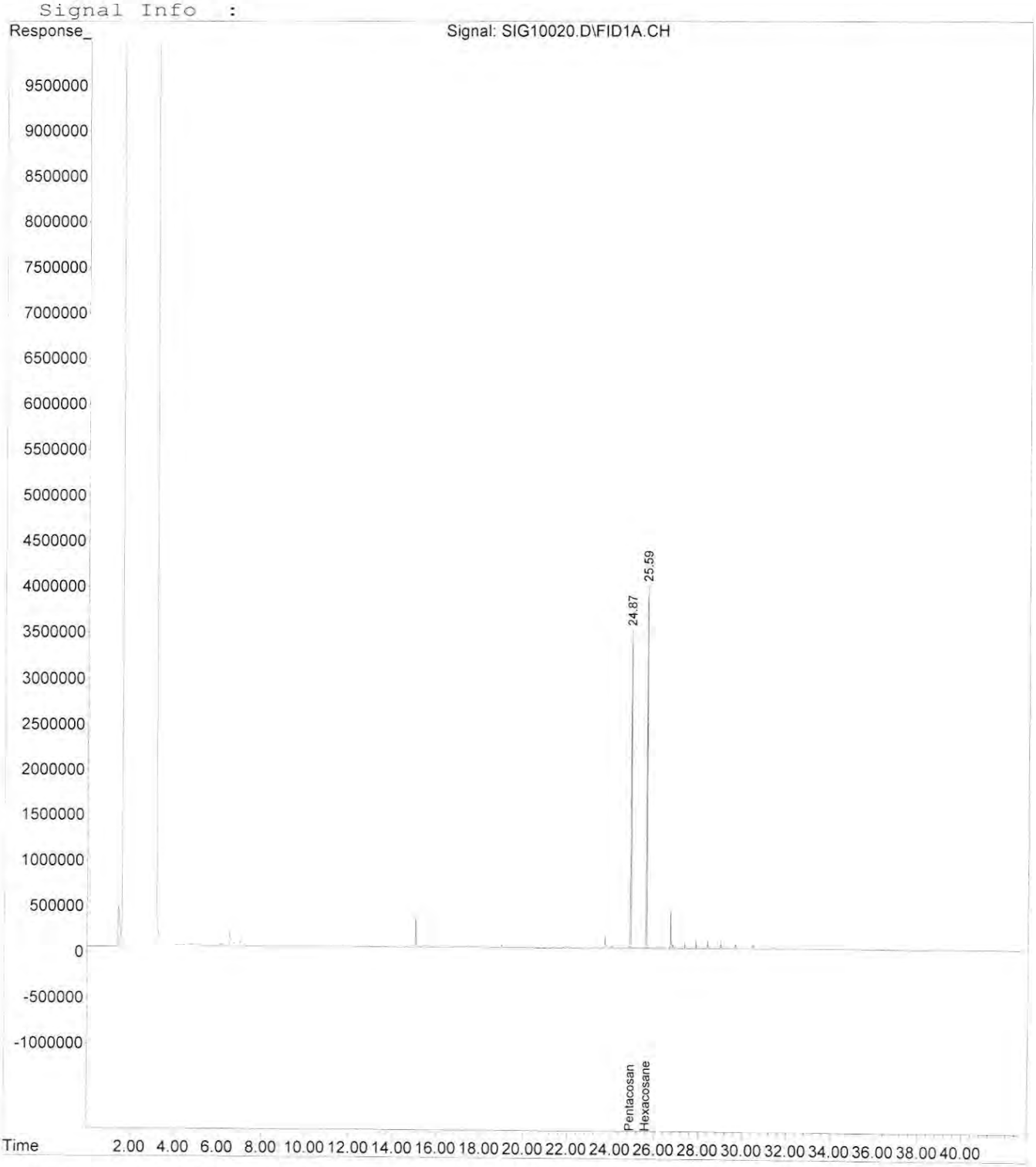
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.87	66620101	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.59	68240748	51.920	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	103.84%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10020.D Vial: 18
Acq On : 21 Dec 2021 2:23 Operator: ARC
Sample : WBL0426-05 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 8:05 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10027.D Vial: 19
Acq On : 21 Dec 2021 8:49 Operator: ARC
Sample : WBL0426-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 09:32:11 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

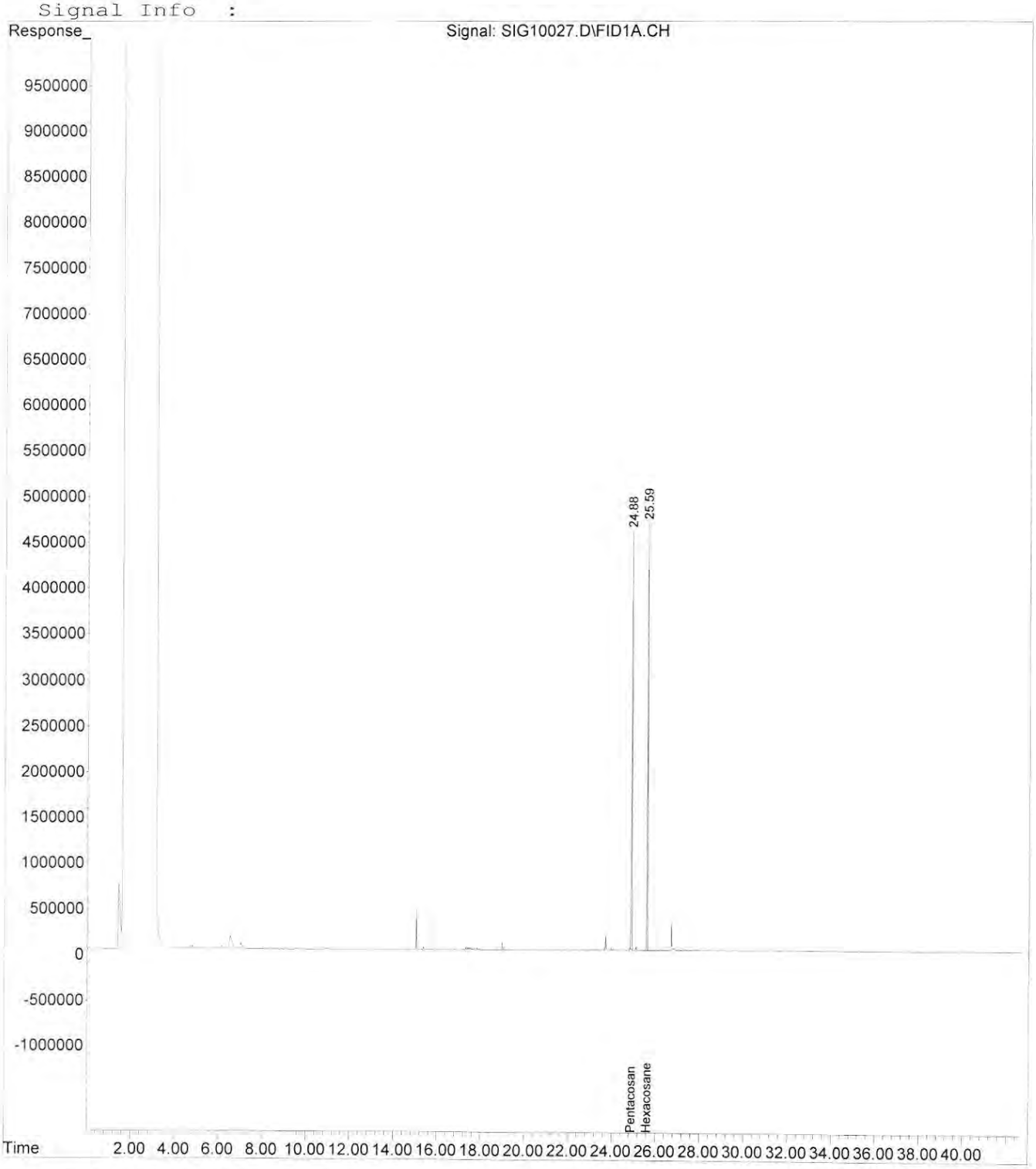
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.88	84366418	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.59	86545350	51.996	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	103.99%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10027.D Vial: 19
Acq On : 21 Dec 2021 8:49 Operator: ARC
Sample : WBL0426-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 9:32 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10028.D Vial: 20
Acq On : 21 Dec 2021 9:44 Operator: ARC
Sample : WBL0426-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 10:27:48 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

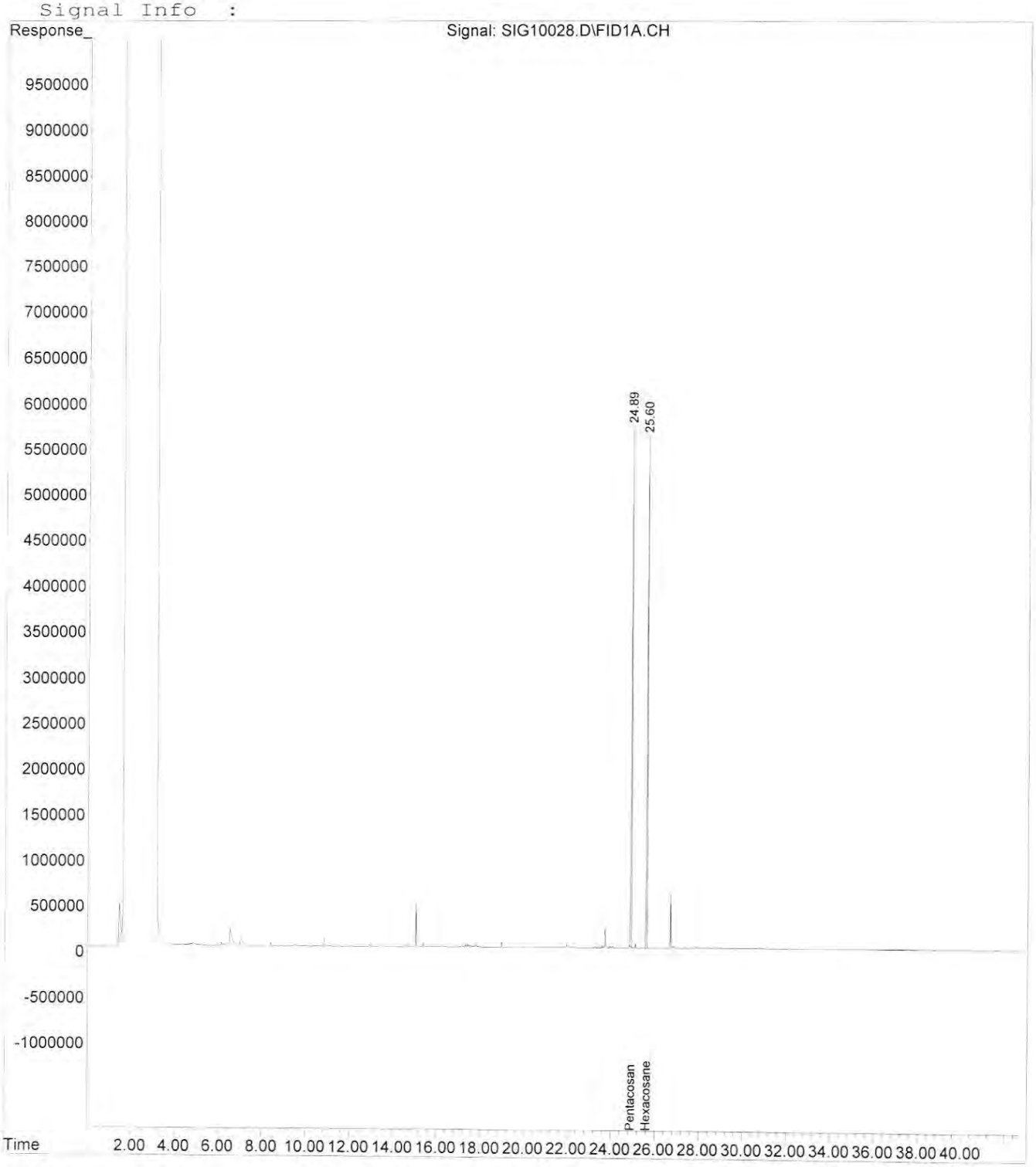
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Pentacosane	24.89	109287081	50.000	ppm	m
System Monitoring Compounds					
2) S Hexacosane	25.60	107142374	49.692	ppm	m
Spiked Amount 50.000 Range 50 - 150		Recovery =	99.38%		
Target Compounds					
3) H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H Mineral Oil	0.00	0	N.D.	ppm	
6) h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10028.D Vial: 20
Acq On : 21 Dec 2021 9:44 Operator: ARC
Sample : WBL0426-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 10:28 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10029.D Vial: 21
Acq On : 21 Dec 2021 10:40 Operator: ARC
Sample : WBL0426-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 11:22:49 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	111344456	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.60	109005101	49.622	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	99.24%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

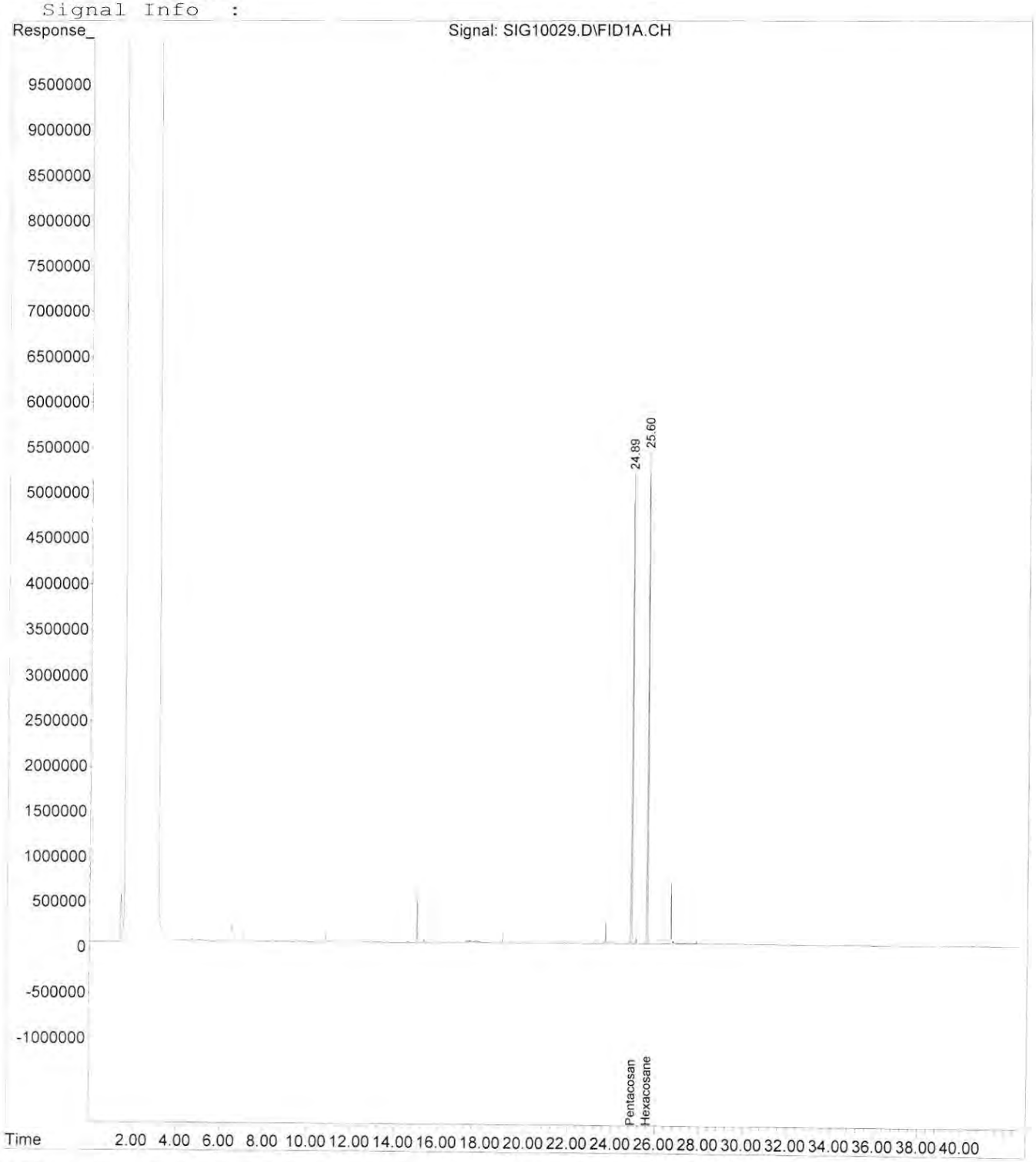
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10029.D Vial: 21
Acq On : 21 Dec 2021 10:40 Operator: ARC
Sample : WBL0426-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 11:23 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10030.D Vial: 22
Acq On : 21 Dec 2021 11:35 Operator: ARC
Sample : WBL0426-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 12:36:33 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	102548545	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	101168017	50.005	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	100.01%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

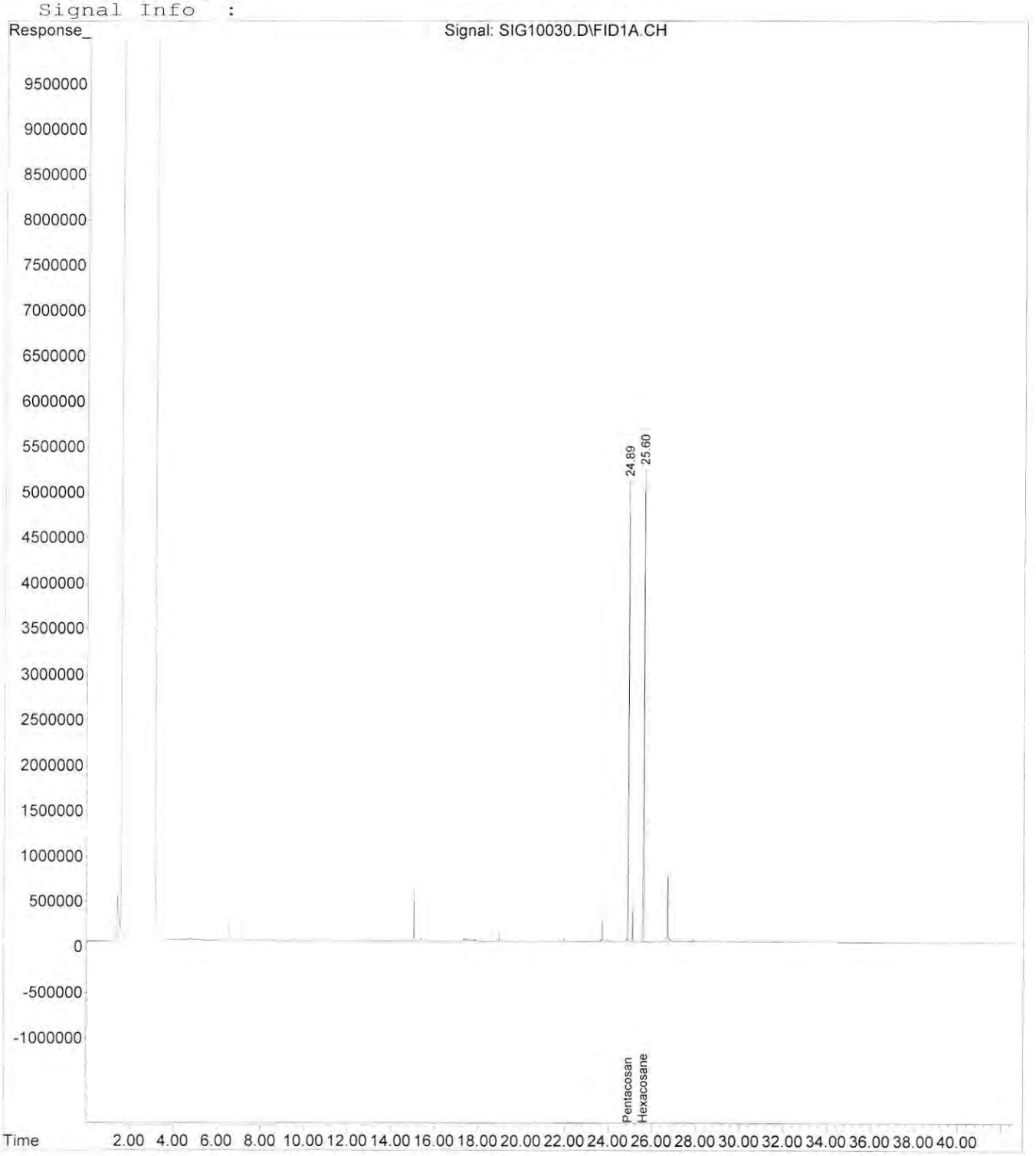
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10030.D Vial: 22
Acq On : 21 Dec 2021 11:35 Operator: ARC
Sample : WBL0426-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 12:37 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10031.D Vial: 23
Acq On : 21 Dec 2021 12:31 Operator: ARC
Sample : WBL0426-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 13:28:27 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

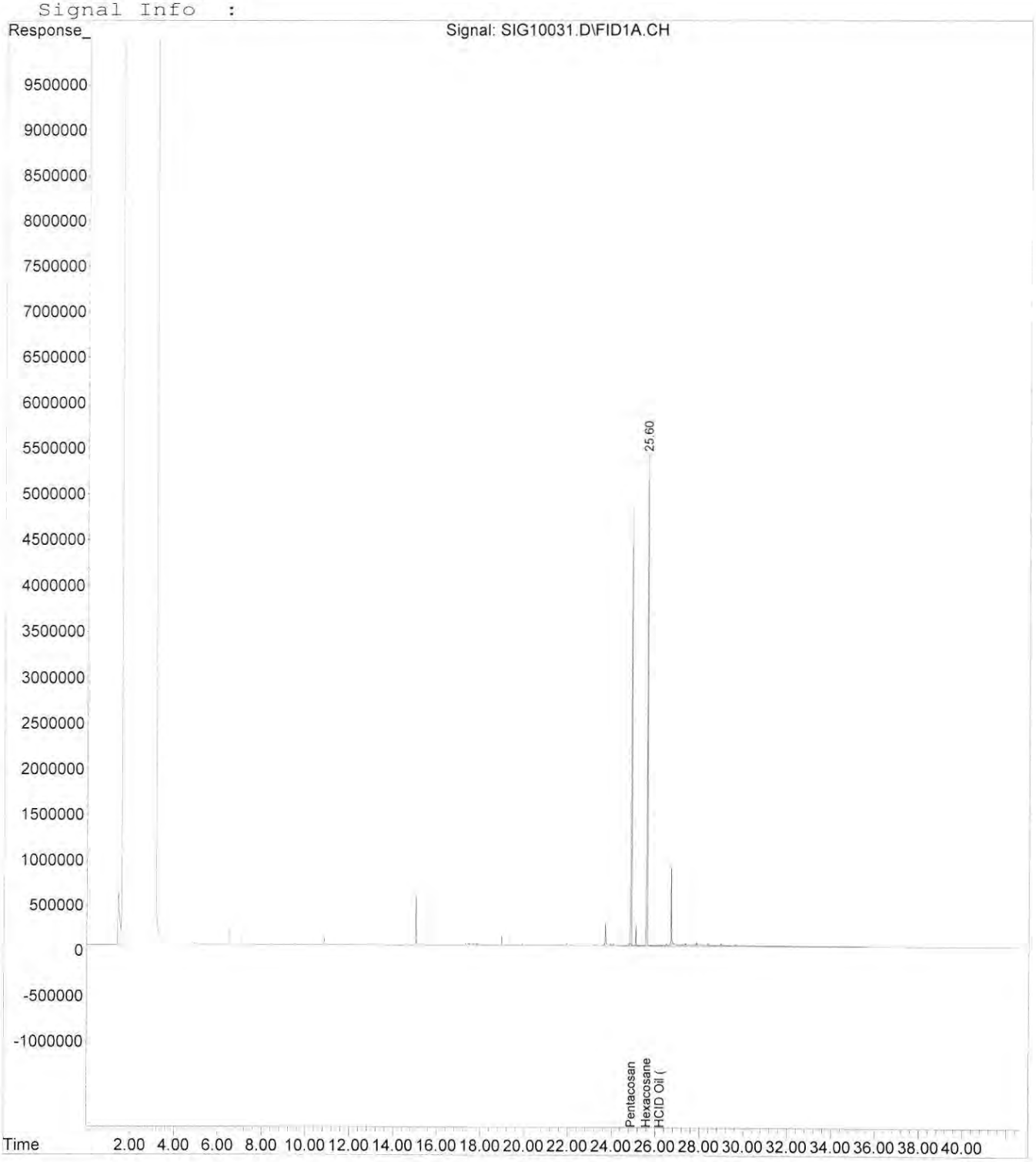
		Compound	R.T.	Response	Conc	Units	
		Internal Standards					
1)	I	Pentacosane	24.89	103984904	50.000	ppm	m
		System Monitoring Compounds					
2)	S	Hexacosane	25.60	102250220	49.841	ppm	m
Spiked Amount		50.000 Range 50 - 150		Recovery =	99.68%		
		Target Compounds					
3)	H	TPH Diesel (C12-C14)	0.00	0	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)	26.20	62385831	68.684	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10031.D Vial: 23
Acq On : 21 Dec 2021 12:31 Operator: ARC
Sample : WBL0426-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 13:32 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10032.D Vial: 24
Acq On : 21 Dec 2021 13:26 Operator: ARC
Sample : WBL0426-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 14:16:17 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	107493931	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	105015097	49.518	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	99.04%		
	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	

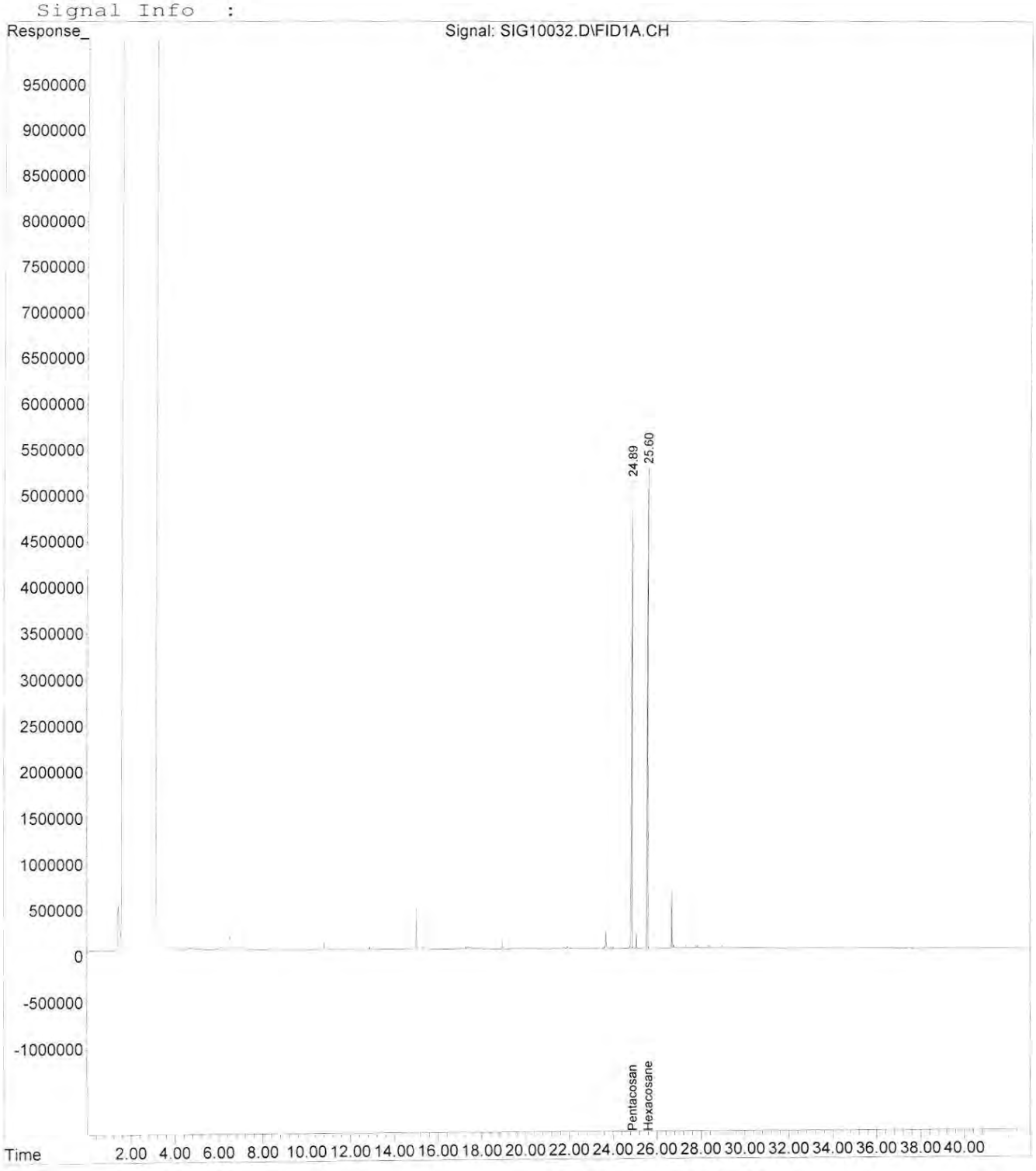
(f)=RT Delta > 1/2 Window (m)=manual int
SIG10032.D 211119DHTLOW.M Wed Dec 22 08:21:33 2021

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10032.D Vial: 24
Acq On : 21 Dec 2021 13:26 Operator: ARC
Sample : WBL0426-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 14:17 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10033.D Vial: 25
Acq On : 21 Dec 2021 14:21 Operator: ARC
Sample : WBL0426-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 15:46:28 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	112031179	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.60	104851641	47.439	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.88%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

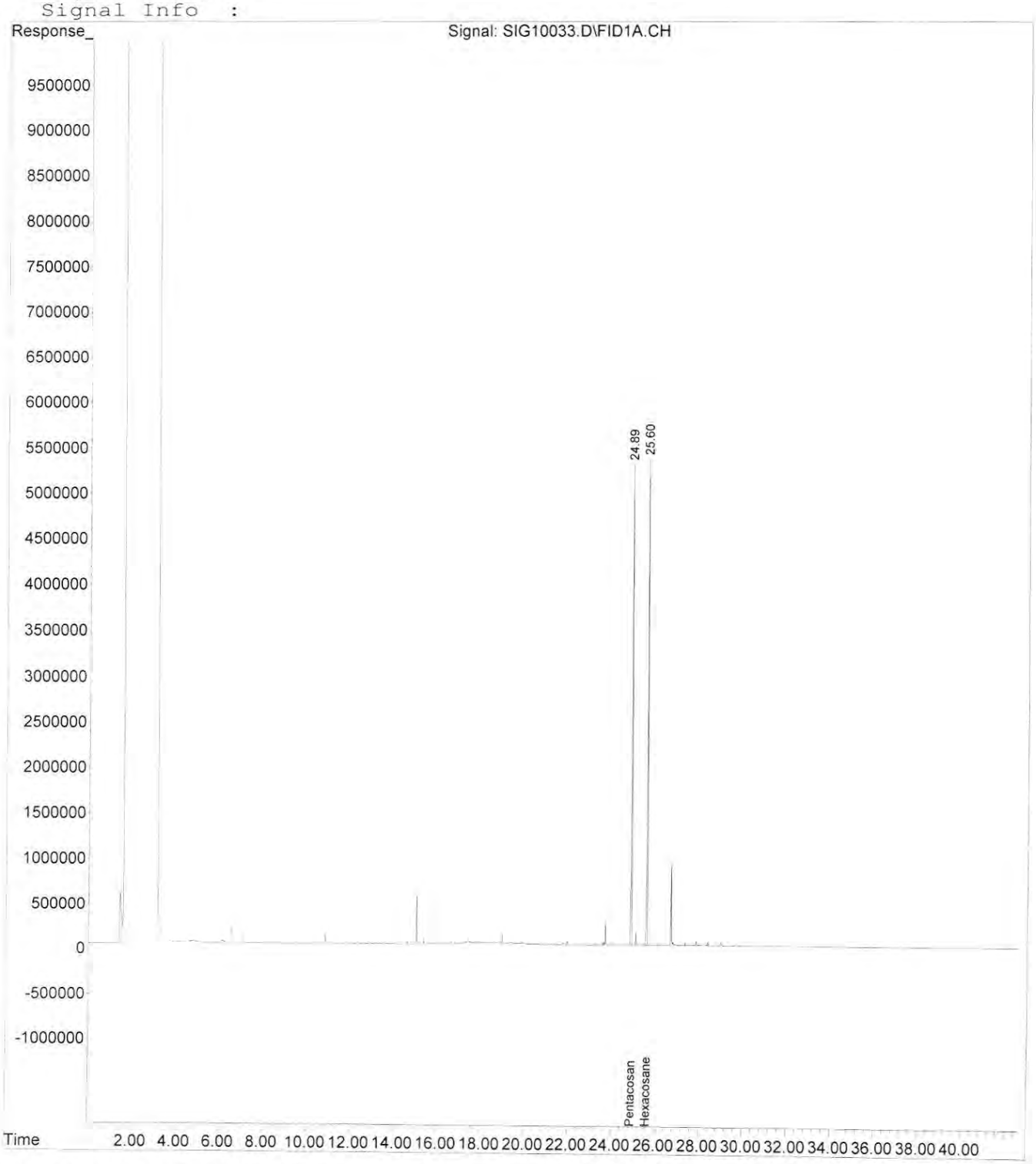
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10033.D Vial: 25
Acq On : 21 Dec 2021 14:21 Operator: ARC
Sample : WBL0426-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 15:47 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10034.D Vial: 26
Acq On : 21 Dec 2021 15:16 Operator: ARC
Sample : WBL0426-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 16:00:35 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.88	92742824	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.59	86182882	47.102	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.20%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

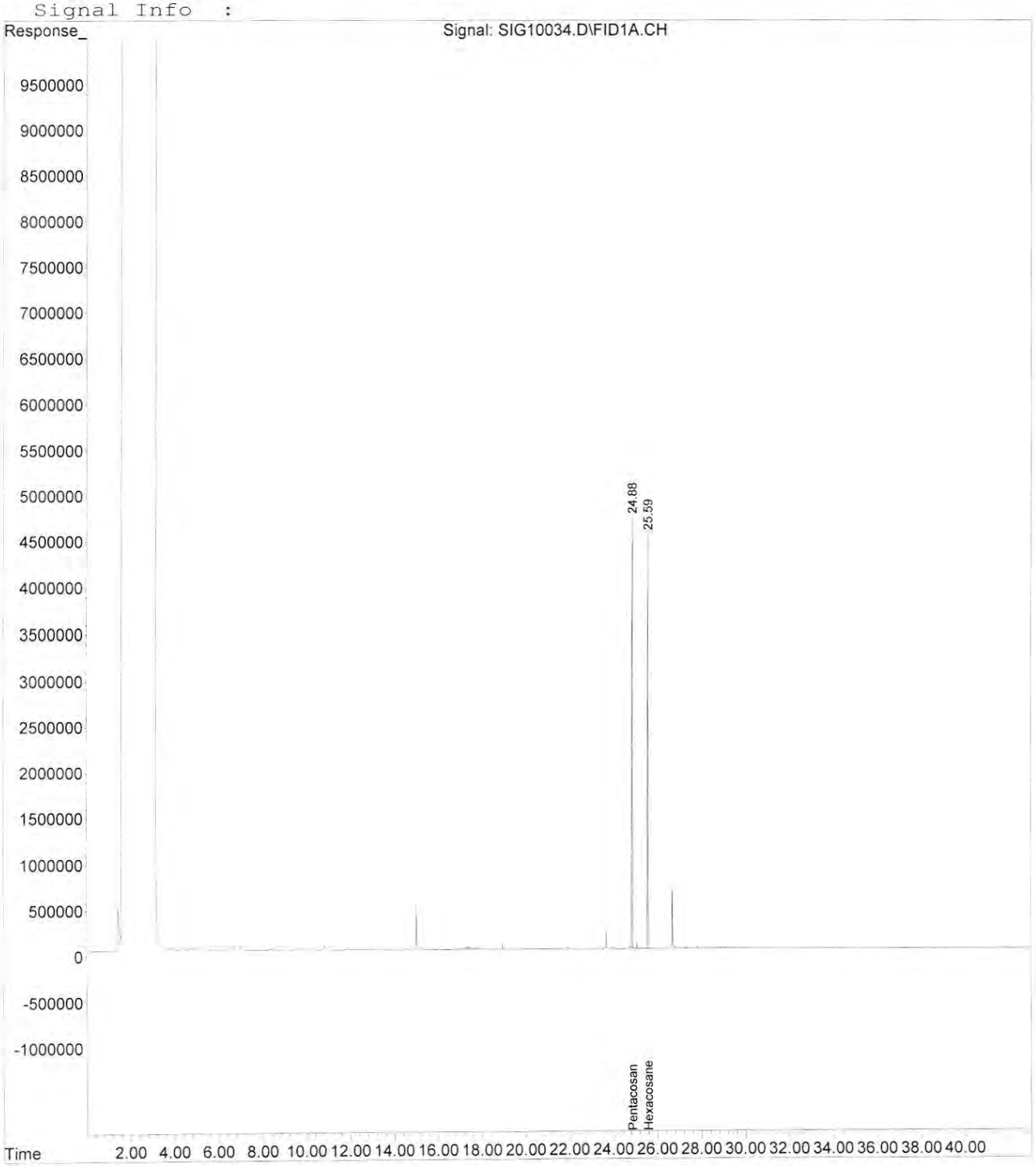
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10034.D Vial: 26
Acq On : 21 Dec 2021 15:16 Operator: ARC
Sample : WBL0426-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 21 16:01 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10035.D Vial: 27
Acq On : 21 Dec 2021 16:12 Operator: ARC
Sample : WBL0426-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 07:57:49 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	99212406	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.60	92846277	47.435	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.87%		
	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)	26.20	65536357	75.624	ppm	

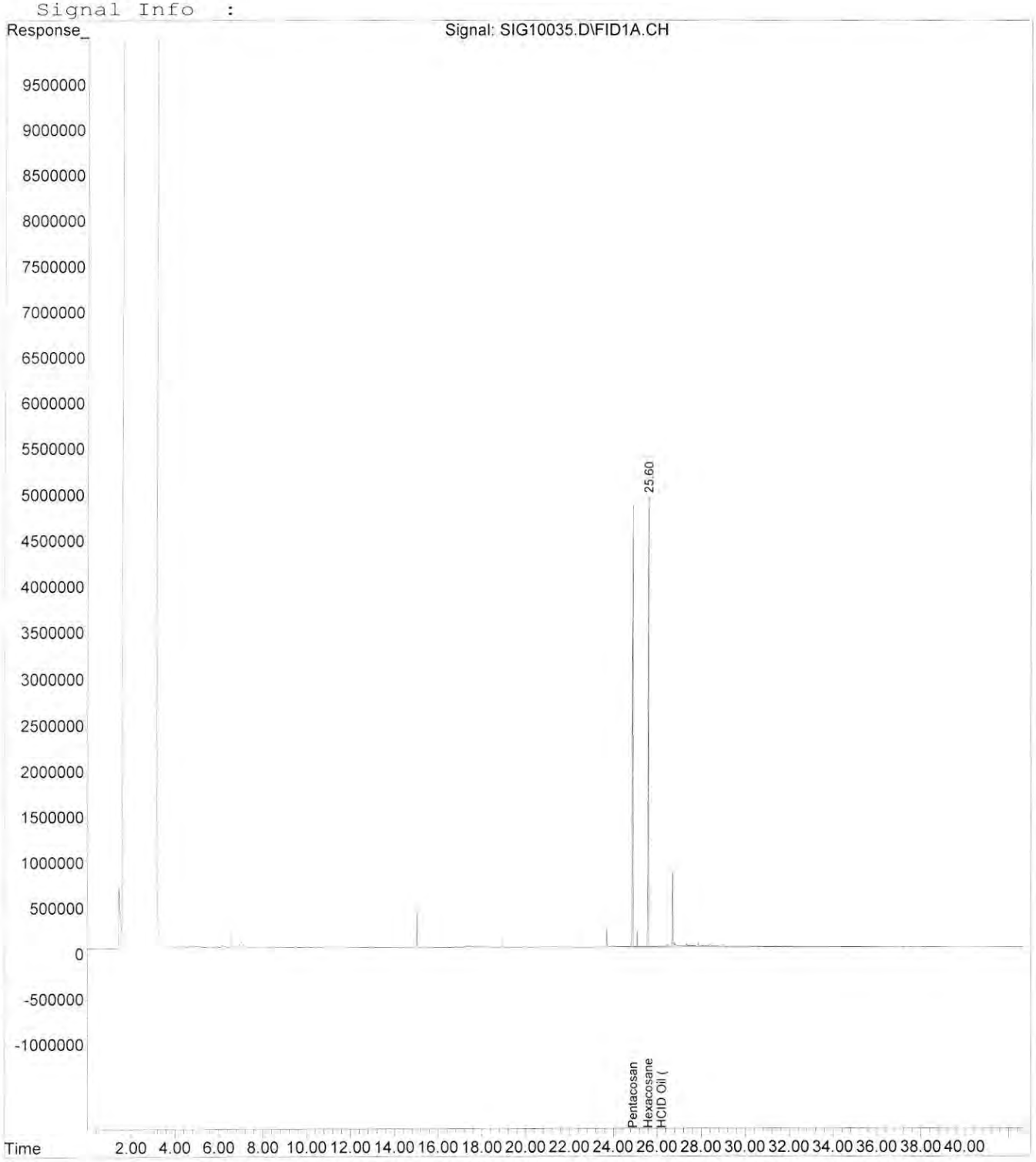
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10035.D Vial: 27
Acq On : 21 Dec 2021 16:12 Operator: ARC
Sample : WBL0426-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 8:01 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10036.D Vial: 28
Acq On : 21 Dec 2021 17:07 Operator: ARC
Sample : WBL0426-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 07:57:50 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	105693663	50.000	ppm	m
		System Monitoring Compounds					
2)	S	Hexacosane	25.60	86802231	41.627	ppm	m
Spiked Amount		50.000 Range 50 - 150		Recovery =	83.25%		
		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	

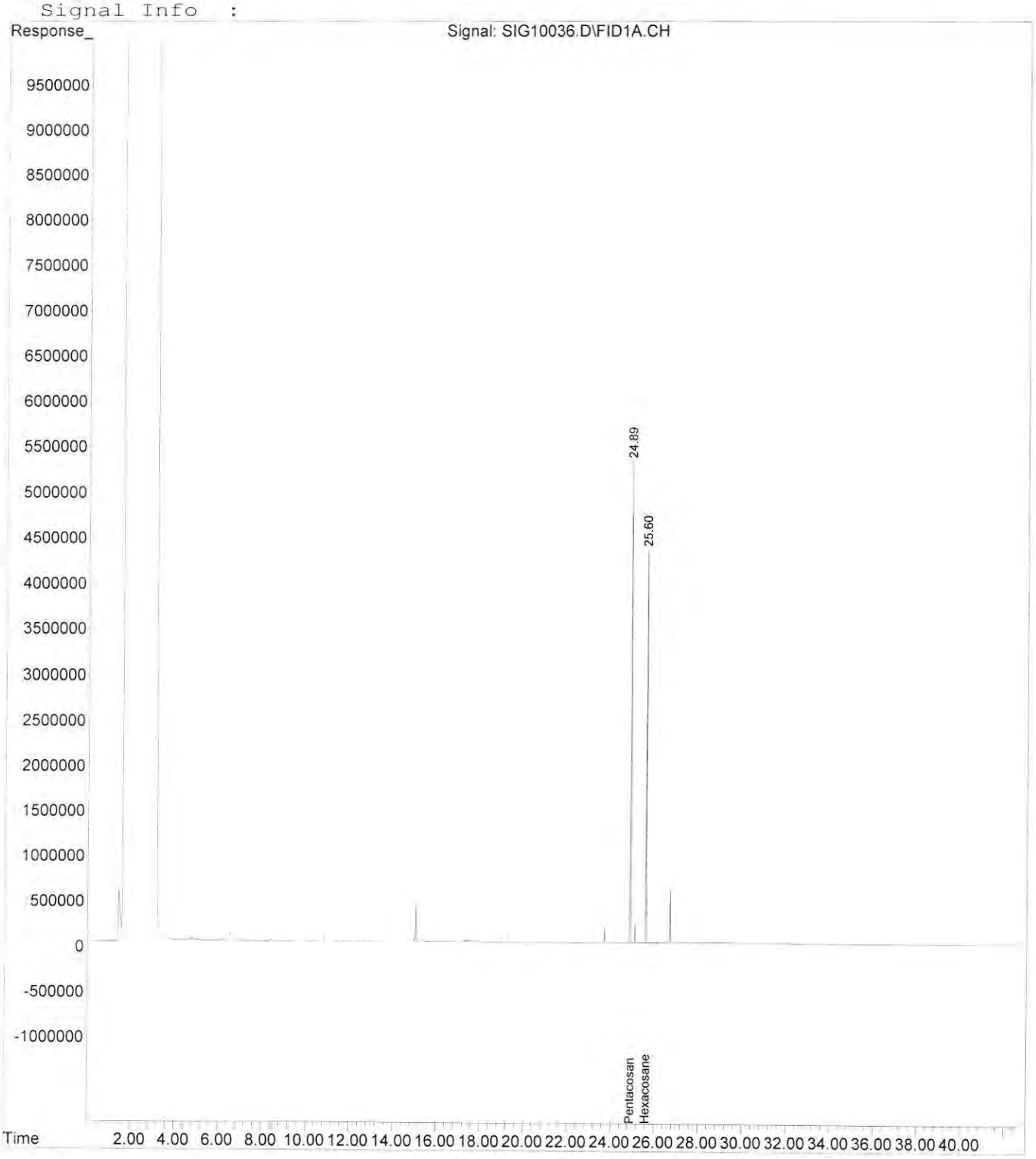
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10036.D Vial: 28
Acq On : 21 Dec 2021 17:07 Operator: ARC
Sample : WBL0426-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 8:02 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10037.D Vial: 29
Acq On : 21 Dec 2021 18:02 Operator: ARC
Sample : WBL0426-17 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 07:57:51 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	98167613	50.000	ppm	m
		System Monitoring Compounds					
2)	S	Hexacosane	25.59	89413062	46.167	ppm	m
Spiked Amount		50.000 Range 50 - 150		Recovery =	92.33%		
		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)	0.00	0	N.D.	ppm	
8)	h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

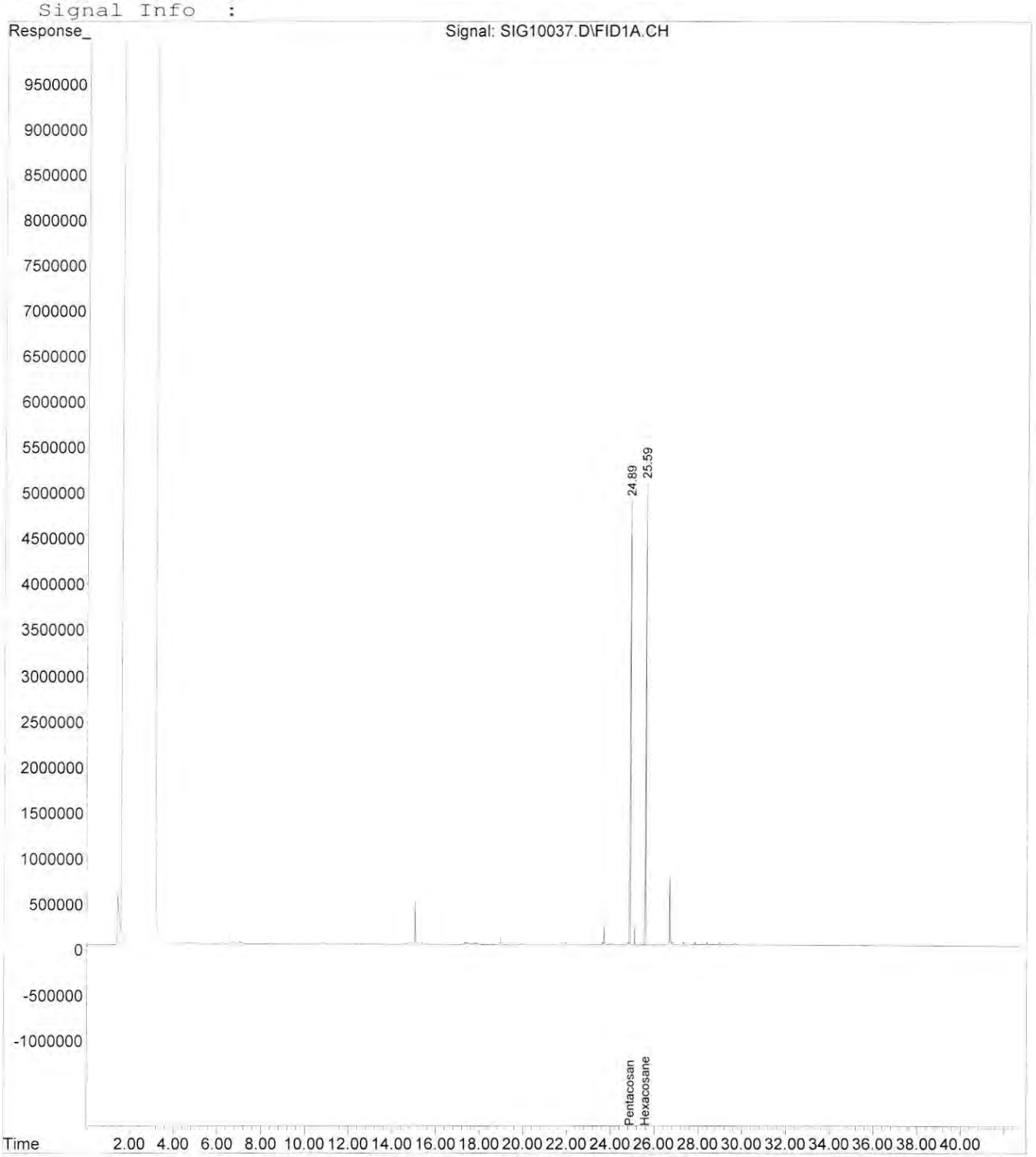
(f)=RT Delta > 1/2 Window (m)=manual int.
SIG10037.D 211119DHTLOW.M Wed Dec 22 08:22:22 2021

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10037.D Vial: 29
Acq On : 21 Dec 2021 18:02 Operator: ARC
Sample : WBL0426-17 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 8:03 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10038.D Vial: 30
Acq On : 21 Dec 2021 18:57 Operator: ARC
Sample : WBL0426-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 07:57:52 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 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	24.89	91587287	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.60	89546888	49.558	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	99.12%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

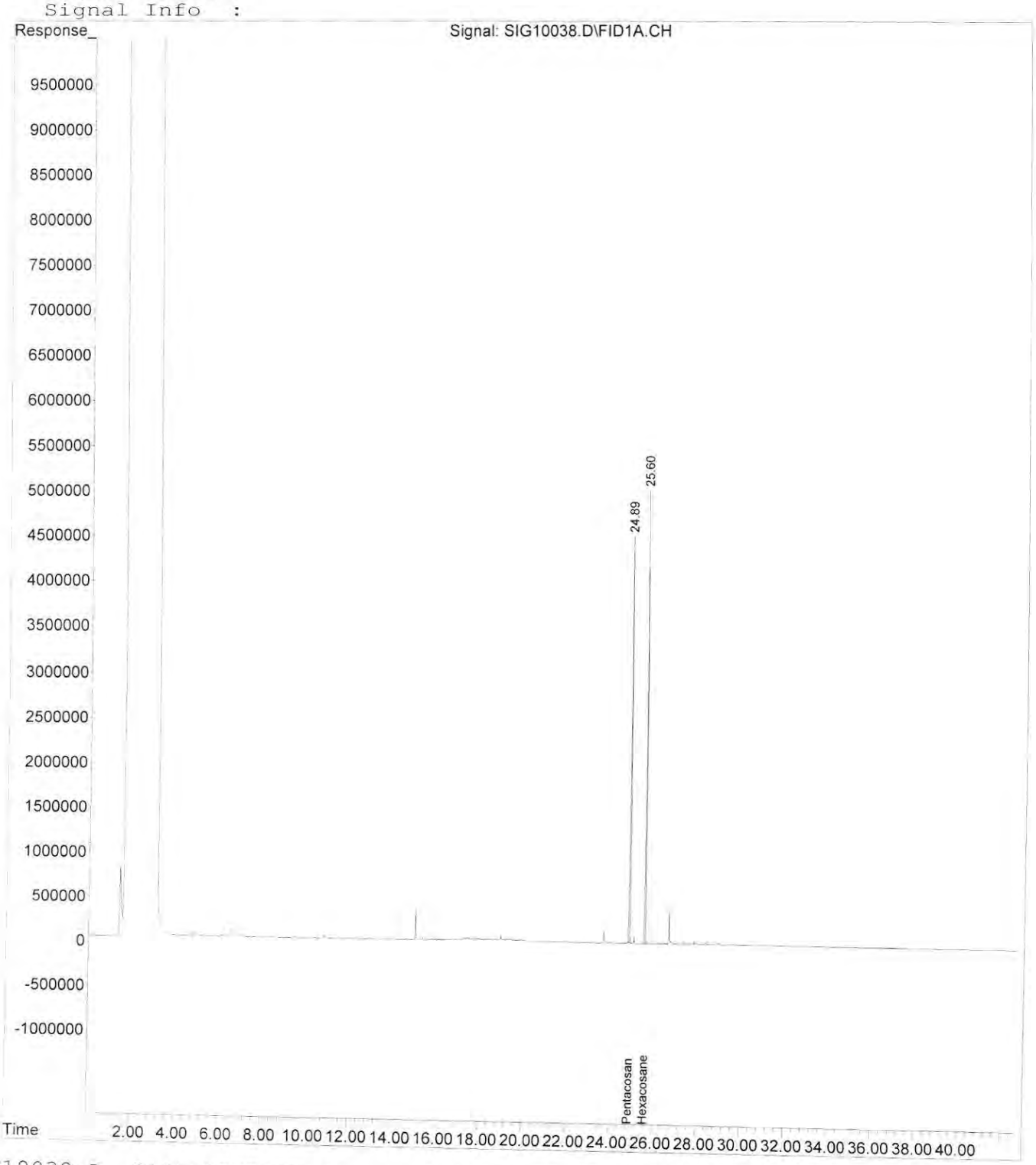
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2021DATA\122021\SIG10038.D Vial: 30
Acq On : 21 Dec 2021 18:57 Operator: ARC
Sample : WBL0426-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Dec 22 8:04 2021 Quant Results File: 211119DHTLOW.RES

Quant Method : W:\HPCHEM\1...\211119DHTLOW.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 08:17:51 2021
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Report Generated By Teledyne CETAC QuickTrace

Analyst: Mercury

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\121721 245 C.wszf

Creation Date: 12/17/2021 2:09:02 PM

Comment:

Results

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags
Calibration Blank			STD	12/17/21 02:19:16 pm	0.0000	2030	9.56	-43.12	
Replicates	2250.0	2118.1	1942.5	1808.3					
Standard #1 (0.05 ppb)			STD	12/17/21 02:21:33 pm	0.0500	3280	7.36	-29.75	
Replicates	3560.2	3376.0	3184.5	3000.9					
Standard #2 (0.1 ppb)			STD	12/17/21 02:23:50 pm	0.1000	4572	6.20	-14.33	
Replicates	4920.0	4661.7	4440.2	4264.4					
Standard #3 (0.5 ppb)			STD	12/17/21 02:26:07 pm	0.5000	12025	6.05	-36.67	
Replicates	12916.1	12281.5	11637.2	11265.2					
Standard #4 (2.5 ppb)			STD	12/17/21 02:28:24 pm	2.5000	56942	6.31	239.24	
Replicates	61135.6	58399.4	55363.9	52871.1					
Standard #5 (5 ppb)			STD	12/17/21 02:30:42 pm	5.0000	99284	6.31	-115.37	
Replicates	106785.3	101592.3	96393.8	92365.1					

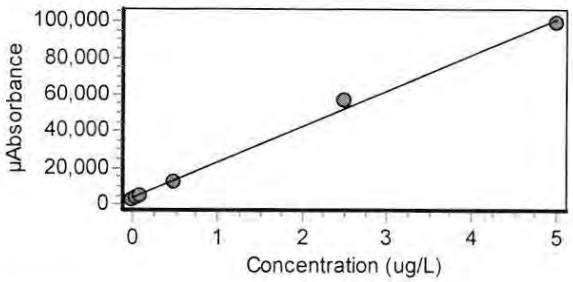
Calibration

Equation: A = 2880.732 + 19736.056C

R2: 0.99635

SEE: 2699.5690

Flags:



Calibration Blank			STD	12/17/21 02:37:25 pm	0.0000	2089	9.19	-38.11	
Replicates	2328.6	2141.1	2003.3	1881.4					
Standard #1 (0.05 ppb)			STD	12/17/21 02:39:41 pm	0.0500	3299	7.59	-26.91	
Replicates	3587.8	3403.9	3194.2	3010.9					
Standard #2 (0.1 ppb)			STD	12/17/21 02:41:58 pm	0.1000	4426	7.43	-19.94	
Replicates	4813.2	4563.1	4260.1	4067.9					
Standard #3 (0.5 ppb)			STD	12/17/21 02:44:15 pm	0.5000	12087	6.80	-32.66	
Replicates	13052.0	12415.7	11713.5	11166.8					
Standard #4 (2.5 ppb)			STD	12/17/21 02:46:33 pm	2.5000	56793	6.58	227.34	
Replicates	61247.4	58204.8	55059.3	52658.6					

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags
Standard #5 (5 ppb)			STD	12/17/21 02:48:50 pm	5.0000	99578	6.16	-109.74	
Replicates	107038.5	101759.5	96476.6	93035.6					

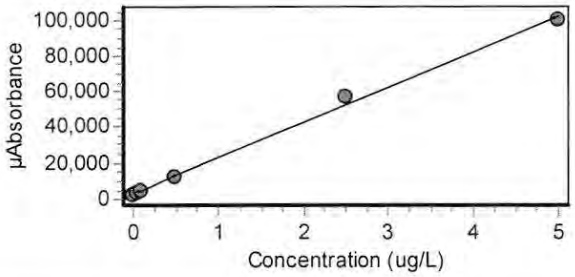
Calibration

Equation: A = 2842.372 + 19781.192C

R2: 0.99672

SEE: 2567.1400

Flags:



wbk0863-01			UNK	12/17/21 03:24:09 pm	-0.0218	2411	46.24		
Replicates	2635.4	2502.8	2325.3	2180.3					
wbk0863-02			UNK	12/17/21 03:26:25 pm	0.0139	3118	123.00		
Replicates	3503.8	3256.7	2993.4	2717.2					
wbk0863-03			UNK	12/17/21 03:28:42 pm	0.0891	4604	18.60		
Replicates	4990.8	4731.1	4457.3	4236.6					
wbk0863-04			UNK	12/17/21 03:30:59 pm	-0.0092	2661	124.67		
Replicates	2938.2	2738.7	2545.0	2423.0					
wbk0863-05			UNK	12/17/21 03:33:16 pm	0.0176	3191	80.04		
Replicates	3517.8	3300.4	3071.2	2874.2					
wbk0139-02			UNK	12/17/21 03:35:33 pm	-0.0289	2270	41.03		
Replicates	2550.1	2358.2	2162.3	2010.2					
bbl00001-ms1			UNK	12/17/21 03:37:50 pm	1.9680	41779	8.08		
Replicates	45490.8	42998.8	40370.1	38256.3					
bbl00001-msd1			UNK	12/17/21 03:40:07 pm	1.9290	40995	8.17		
Replicates	44713.0	42163.4	39551.2	37552.7					
wbl0251-01			UNK	12/17/21 03:42:25 pm	-0.0343	2164	34.47		
Replicates	2452.0	2237.9	2054.2	1911.9					
wbl0426-01			UNK	12/17/21 03:44:41 pm	0.3406	9581	9.60		
Replicates	10343.4	9824.5	9310.0	8845.4					
wbl0426-02			UNK	12/17/21 03:46:57 pm	-0.0624	1609	11.09		
Replicates	1761.3	1670.1	1558.6	1445.8					
ms1			UNK	12/17/21 03:49:13 pm	1.9390	41203	7.13		
Replicates	44472.6	42218.2	39945.5	38175.0					
msd1			UNK	12/17/21 03:51:29 pm	1.9260	40934	6.30		
Replicates	43714.1	41923.4	39907.9	38188.7					
wbl0426-03			UNK	12/17/21 03:53:46 pm	0.1777	6358	13.94		
Replicates	6947.3	6531.5	6140.7	5813.7					
blank1			UNK	12/17/21 03:56:02 pm	-0.1308	255	0.86		
Replicates	277.9	268.9	232.2	239.6					

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags
lcs1			UNK	12/17/21 03:58:19 pm	1.8200	38842	7.97		
	Replicates	42233.4	39946.0	37563.2	35623.9				
CCV (95-105%)			UNK	12/17/21 04:00:36 pm	0.6647	15991	42.71		
	Replicates	23277.8	17204.9	13141.6	10339.4				
CCB			UNK	12/17/21 04:02:52 pm	-0.1263	344	1.77		
	Replicates	406.3	342.3	321.0	305.8				
wbl0426-04			UNK	12/17/21 04:05:09 pm	0.0154	3147	82.06		
	Replicates	3443.0	3238.9	3038.6	2865.7				
wbl0426-05			UNK	12/17/21 04:07:26 pm	0.0127	3093	94.95		
	Replicates	3376.4	3180.3	2992.7	2824.0				
wbl0426-06			UNK	12/17/21 04:09:43 pm	0.0459	3751	23.85		
	Replicates	3999.5	3836.7	3670.4	3495.7				
wbl0426-07			UNK	12/17/21 04:12:01 pm	0.0201	3240	61.75		
	Replicates	3534.0	3333.6	3114.8	2976.1				
wbl0426-08			UNK	12/17/21 04:14:18 pm	0.1319	5452	15.63		
	Replicates	5928.5	5616.4	5269.2	4992.2				
wbl0426-09			UNK	12/17/21 04:16:34 pm	-0.0229	2390	40.55		
	Replicates	2602.7	2465.9	2309.9	2181.2				
wbl0426-10			UNK	12/17/21 04:18:50 pm	-0.0298	2253	26.29		
	Replicates	2426.4	2328.8	2178.3	2077.8				
wbl0426-11			UNK	12/17/21 04:21:06 pm	0.0533	3896	27.94		
	Replicates	4249.1	3997.0	3775.2	3563.5				
wbl0426-12			UNK	12/17/21 04:23:23 pm	0.3867	10492	9.83		
	Replicates	11371.2	10800.6	10148.4	9649.1				
wbl0426-13			UNK	12/17/21 04:25:39 pm	-0.0565	1725	11.58		
	Replicates	1876.0	1775.7	1669.1	1577.6				
wbl0426-14			UNK	12/17/21 04:27:56 pm	0.1769	6342	12.67		
	Replicates	6862.8	6516.0	6147.5	5841.8				
blank2			UNK	12/17/21 04:30:13 pm	1.3050	28648	5.60		
	Replicates	30680.7	28678.4	27547.9	27684.4				
lcs2			UNK	12/17/21 04:32:30 pm	1.9580	41573	7.05		
	Replicates	44823.3	42597.8	40334.9	38534.4				
CCV (95-105%)			UNK	12/17/21 04:34:47 pm	2.6960	56164	6.33		
	Replicates	60137.2	57480.0	54681.9	52358.2				
CCB			UNK	12/17/21 04:37:03 pm	-0.1470	-66	1.26		
	Replicates	-117.3	-52.7	-31.5	-62.8				
wbl0426-15			UNK	12/17/21 04:39:20 pm	0.1399	5610	16.49		
	Replicates	6144.6	5781.9	5428.2	5084.5				
wbl0426-16			UNK	12/17/21 04:41:37 pm	-0.0869	1124	8.08		
	Replicates	1281.2	1181.4	1074.5	958.4				

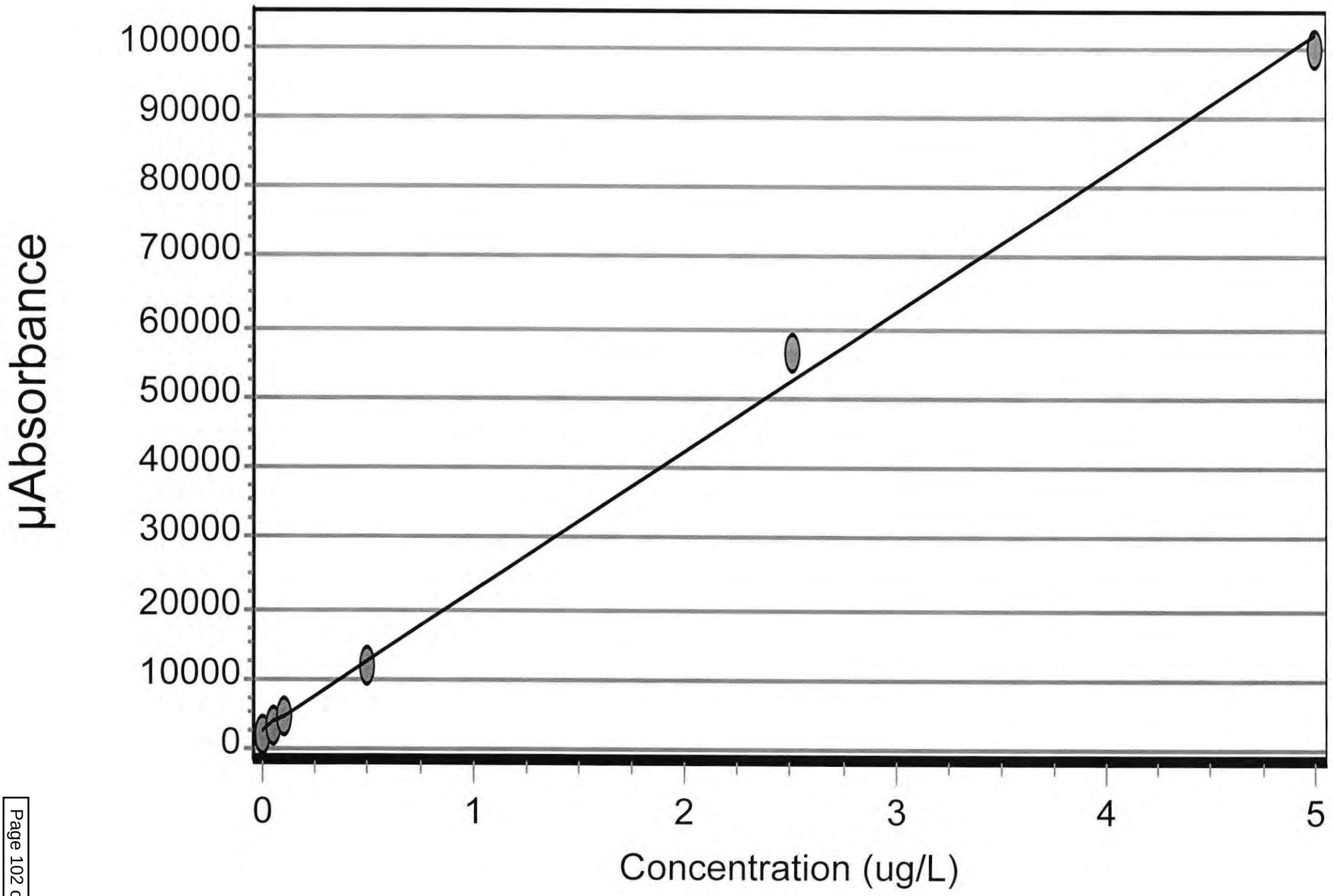
Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags
ms2				UNK	12/17/21 04:43:54 pm	2.0490	43383	7.34		
	Replicates	46919.3	44513.3	42030.7	40069.5					
msd2				UNK	12/17/21 04:46:12 pm	1.9040	40514	7.31		
	Replicates	43773.5	41571.9	39271.4	37440.6					
wbl0426-17				UNK	12/17/21 04:48:28 pm	-0.0380	2091	26.42		
	Replicates	2311.7	2176.3	2025.1	1850.3					
wbl0426-18				UNK	12/17/21 04:50:44 pm	0.2009	6816	12.94		
	Replicates	7426.5	7001.1	6607.6	6230.3					
blank				UNK	12/17/21 04:53:01 pm	-0.1636	-393	1.27		
	Replicates	-339.5	-387.9	-408.3	-437.1					
lcs				UNK	12/17/21 04:55:17 pm	2.0010	42428	7.13		
	Replicates	45780.9	43490.8	41158.1	39282.6					
CCV (95-105%)				UNK	12/17/21 04:57:34 pm	2.1560	45482	25.55		
	Replicates	58096.9	49922.6	40934.1	32973.2					
CCB				UNK	12/17/21 04:59:51 pm	-0.1171	526	2.88		
	Replicates	613.2	527.7	451.5	512.5					
CCV (95-105%)				UNK	12/17/21 05:19:28 pm	2.7430	57095	6.70		
	Replicates	61391.0	58489.2	55488.8	53011.0					

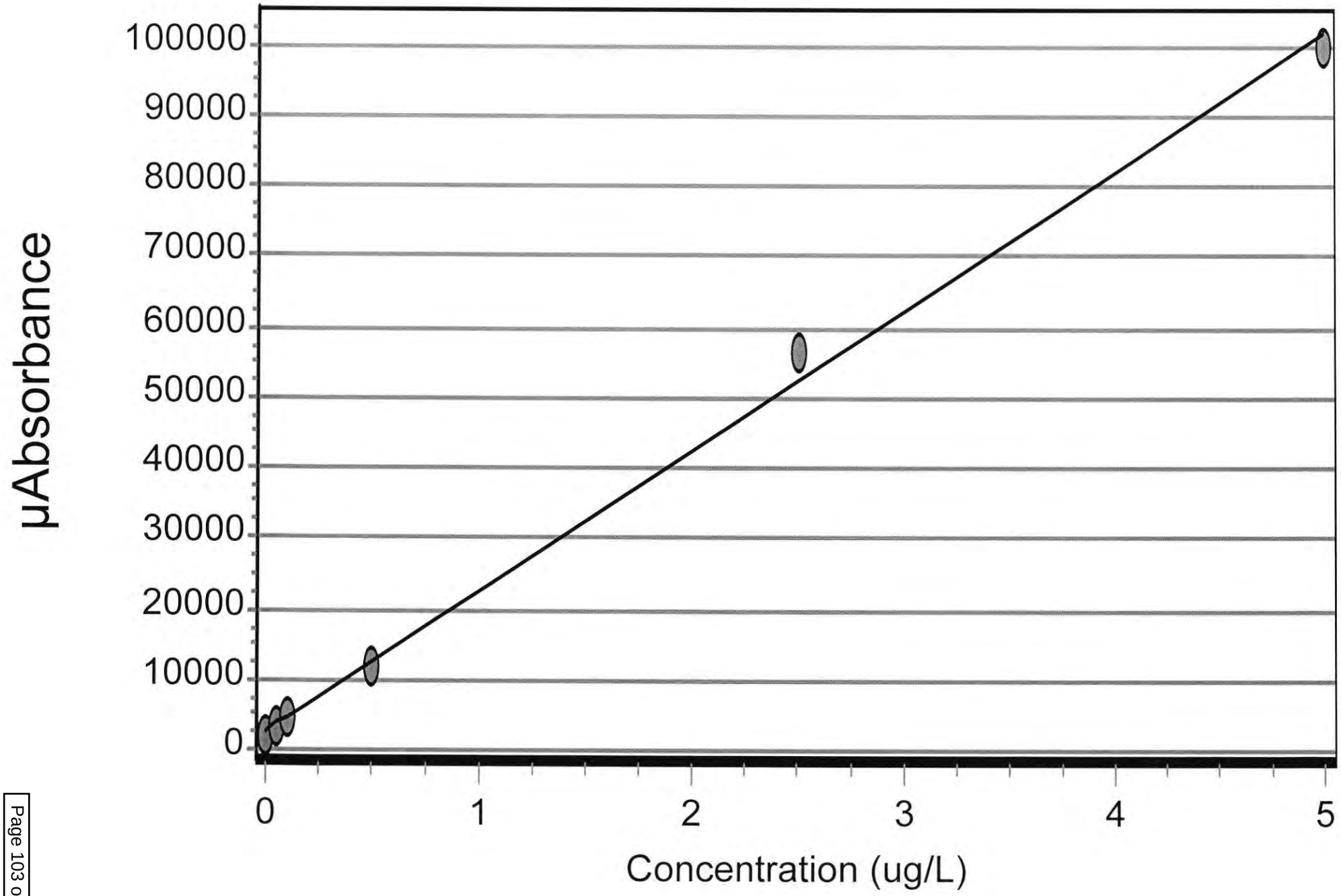
Notes

Analyst:

Lamp Current:

High Standard mirco Abs:


µAbsorbance
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
Concentration (ug/L)


µAbsorbance
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
Concentration (ug/L)

PREPARATION BENCH SHEET
Metals

BBL0381

Print Date/Time: 12/27/2021 9:06 am

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BBL0381-BLK1	12/14/21 09:13	50	50				
BBL0381-BS1	12/14/21 09:13	50	50	2103437		250	
BBL0381-MS1	12/14/21 09:13	50	50	2103437	WBL0426-01	250	
BBL0381-MS2	12/14/21 09:13	50	50	2103437	WBL0426-16	250	
BBL0381-MSD1	12/14/21 09:13	50	50	2103437	WBL0426-01	250	
BBL0381-MSD2	12/14/21 09:13	50	50	2103437	WBL0426-16	250	
WBL0426-01 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-02 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-03 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-04 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-05 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-06 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-07 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-08 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-09 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-10 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 9:06 am

BBL0381

(Continued)

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WBL0426-11 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-12 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-13 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-14 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-15 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-16 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-17 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			
WBL0426-18 Analytes: Arsenic	12/14/21 09:13	50	50	Client: Cardno - Hawaii			

Support Equipment: W PT-33 W PT-30 W PT-27, W PT-20 BLK1

Reagent ID	Description	LotNum
2101774	P. Metals Digestion Vials E	051221
2102137	P. Nitric Acid F	61078
2102586	P. 1:1 HCl-metals	59072
2103556	C. Internal Standard Mix	-
2103776	C. 10 ppb Tune Solution	-

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 9:07 am

BBL0469

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BBL0469-BLK1	12/16/21 09:55	50	50				
BBL0469-BS1	12/16/21 09:55	50	50	2003389		100	
BBL0469-MS1	12/16/21 09:55	50	50	2003389	WBL0426-02	100	
BBL0469-MS2	12/16/21 09:55	50	50	2003389	WBL0426-16	100	
BBL0469-MSD1	12/16/21 09:55	50	50	2003389	WBL0426-02	100	
BBL0469-MSD2	12/16/21 09:55	50	50	2003389	WBL0426-16	100	
WBL0251-01 Analytes: Mercury	12/16/21 09:55	50	50	Client: American Onsite			ND must be entered as < MRL as mg/L.
WBL0426-01 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-02 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-03 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-04 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-05 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-06 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-07 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-08 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____

Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 9:07 am

BBL0469

(Continued)

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WBL0426-09 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-10 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-11 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-12 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-13 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-14 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-15 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-16 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-17 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			
WBL0426-18 Analytes: Mercury	12/16/21 09:55	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 9:07 am

BBL0469

(Continued)

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments

Support Equipment: W PT-30 W PT-33 W PT-20, W PT-27, BLK1

Batch Comments: THE FIRST AND SECOND icv ARE THE SAME HIT THE THRID IS THE SECOIND IT IS A REPREP PLEASE DISREGARD THE SECOND HIT

Reagent ID	Description	LotNum
2000088	Hg. Sulfuric Acid, OmniTrace	59009
2001476	Hg. 5% Potassium Persulfate	-
2101774	P. Metals Digestion Vials E	051221
2102137	P. Nitric Acid F	61078
2102714	Hg. Hydroxlamine Hydrochlori	-
2103213	Hg. 5% Potassium Permangar	-
2103594	Hg. Hydroxlamine Hydrochlori	-

Batch Prepared By

Date

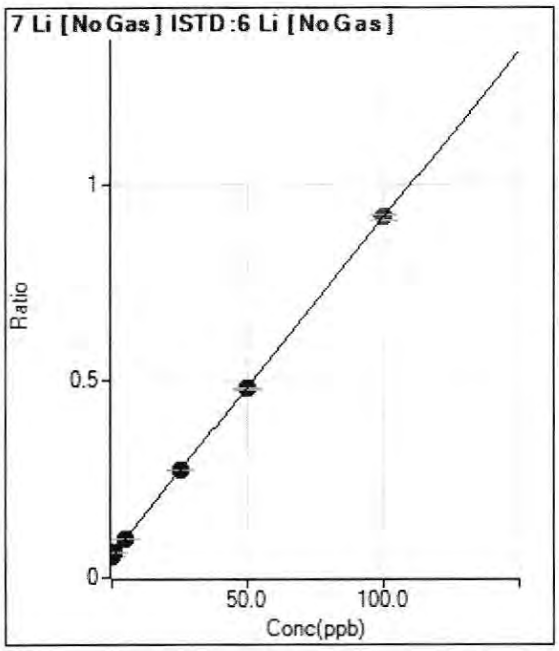
Analytical Run Date

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

Calibration for 007CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\12142021.b\
Analysis File: 12142021.batch.bin
DA Date-Time: 2021-12-14 17:04:50
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

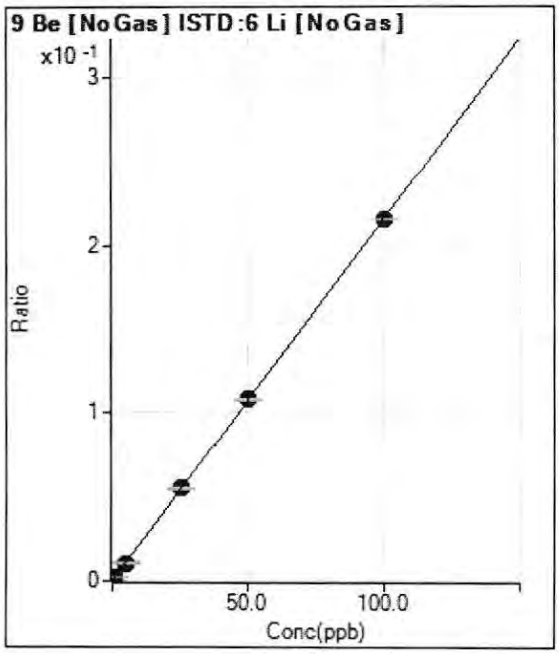
Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	Blank	2021-12-14 11:32:47
2	004CALS.d	1 ppb cal	2021-12-14 11:36:21
3	005CALS.d	5 ppb cal	2021-12-14 11:39:59
4	006CALS.d	25 ppb cal	2021-12-14 11:43:34
5	007CALS.d	50 ppb cal	2021-12-14 11:47:12
6	008CALS.d	100 ppb cal	2021-12-14 11:50:42



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57533.45	0.0530	P	1.0
2	☐	1.000	1.034	61278.61	0.0619	P	0.4
3	☐	5.000	4.967	92542.96	0.0957	P	1.7
4	☐	25.000	25.512	253996.40	0.2723	P	1.0
5	☐	50.000	49.394	456784.78	0.4775	P	0.6
6	☐	100.000	100.176	865053.99	0.9140	A	1.6

y = 0.0086 * x + 0.0530
R = 1.0000
DL = 0.1825
BEC = 6.167

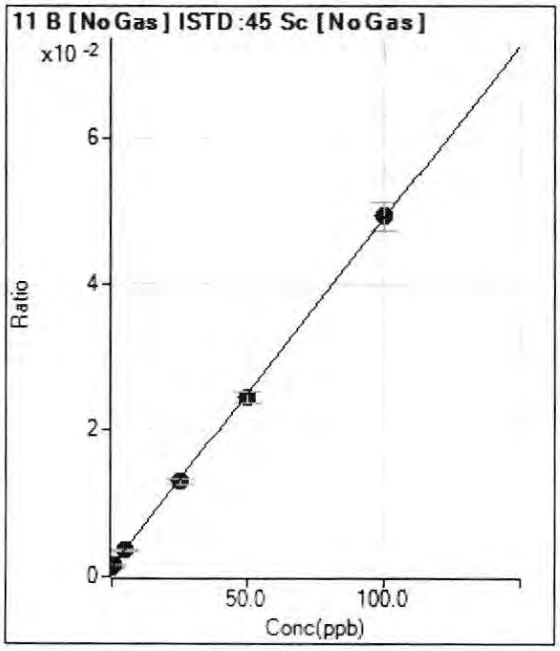
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	236.67	0.0002	P	22.6
2	☐	1.000	0.971	2287.97	0.0023	P	5.1
3	☐	5.000	4.903	10423.81	0.0108	P	2.8
4	☐	25.000	25.674	51792.78	0.0555	P	1.2
5	☐	50.000	50.090	103416.77	0.1081	P	0.8
6	☐	100.000	99.791	203657.72	0.2152	P	0.1

y = 0.0022 * x + 2.1945E-004
R = 1.0000
DL = 0.06918
BEC = 0.1019

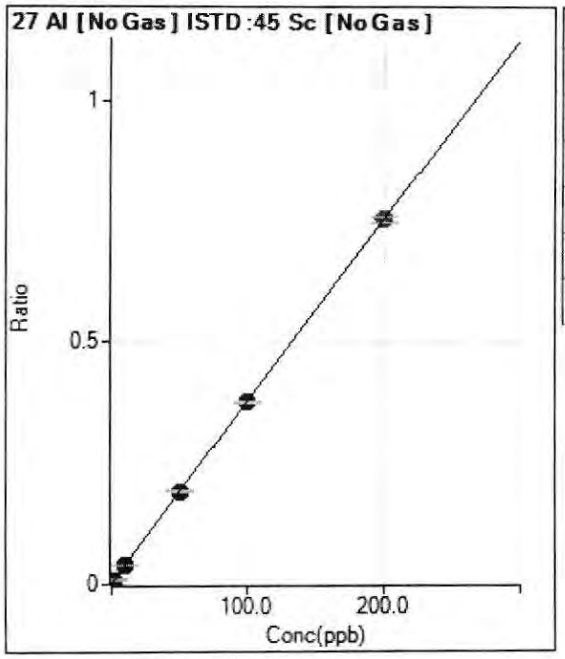
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2790.29	0.0012	P	13.9
2	☐	1.000	0.723	3310.40	0.0016	P	2.0
3	☐	5.000	4.831	7514.21	0.0035	P	3.5
4	☐	25.000	24.647	27527.54	0.0130	P	5.6
5	☐	50.000	48.859	53273.00	0.0245	P	5.8
6	☐	100.000	100.670	104293.09	0.0492	P	7.7

y = 4.7700E-004 * x + 0.0012
R = 0.9999
DL = 1.072
BEC = 2.566

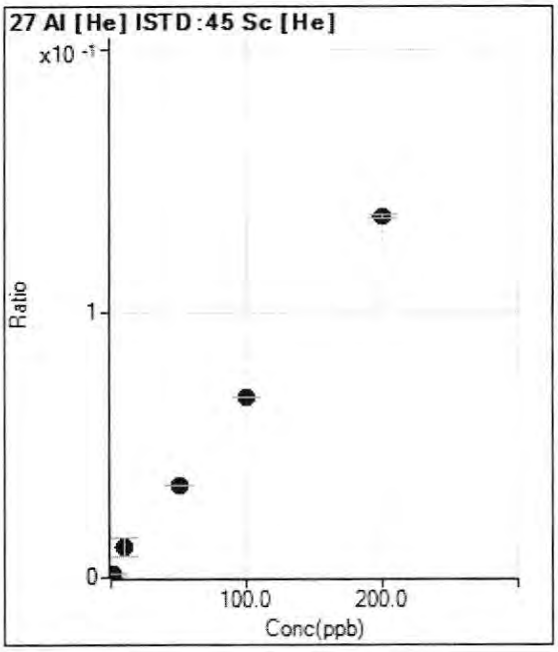
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.183	3760.53	0.0016	P	26.7
2	☐	2.000	2.025	20919.90	0.0099	P	1.8
3	☐	10.000	10.027	85025.72	0.0399	P	1.0
4	☐	50.000	50.736	408680.90	0.1926	P	1.9
5	☐	100.000	99.163	812873.16	0.3743	P	0.8
6	☐	200.000	200.233	1597307.61	0.7534	A	1.8

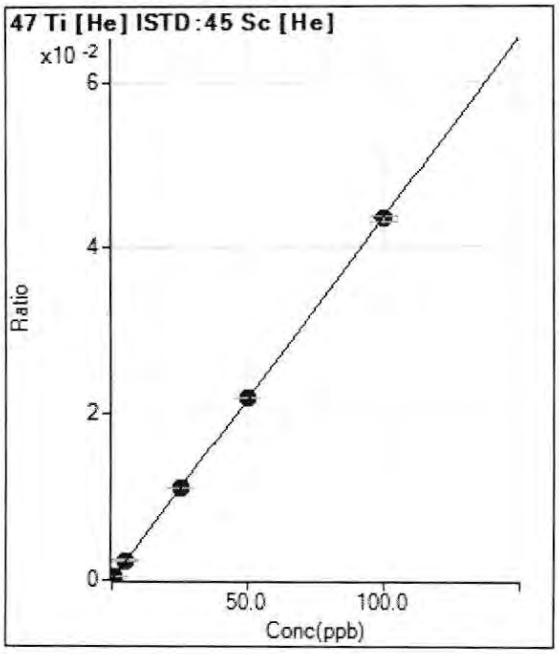
y = 0.003751 * x + 0.002320
R = 1.0000
DL = 0.3479
BEC = 0.6184

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		167.78	0.0002	P	2.7
2	☐	2.000		1292.29	0.0017	P	2.5
3	☐	10.000		8158.11	0.0114	P	65.8
4	☐	50.000		26003.78	0.0345	P	0.8
5	☐	100.000		50965.25	0.0680	P	0.1
6	☐	200.000		101059.68	0.1363	P	1.0

Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	1.000	0.980	318.90	0.0004	P	8.4
3	☐	5.000	5.448	1741.23	0.0024	P	8.4
4	☐	25.000	25.538	8381.42	0.0111	P	0.8
5	☐	50.000	50.198	16400.73	0.0219	P	0.6
6	☐	100.000	99.744	32252.56	0.0435	P	1.4

y = 4.3597E-004 * x + 1.4140E-006

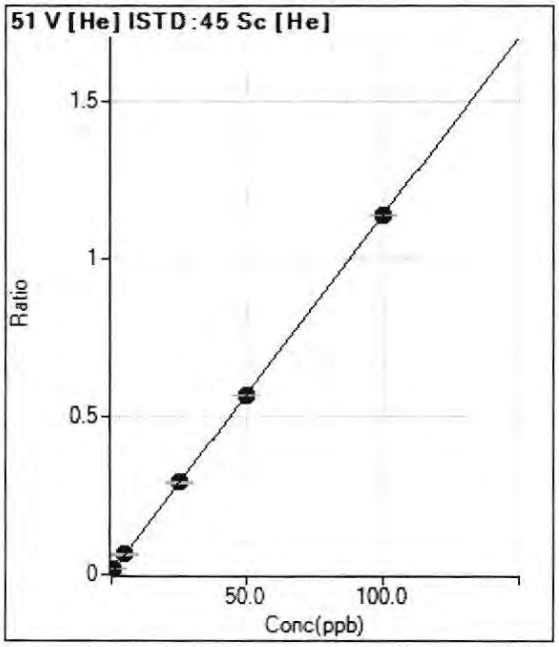
R = 1.0000

DL = 0.01685

BEC = 0.003243

Weight: <None>

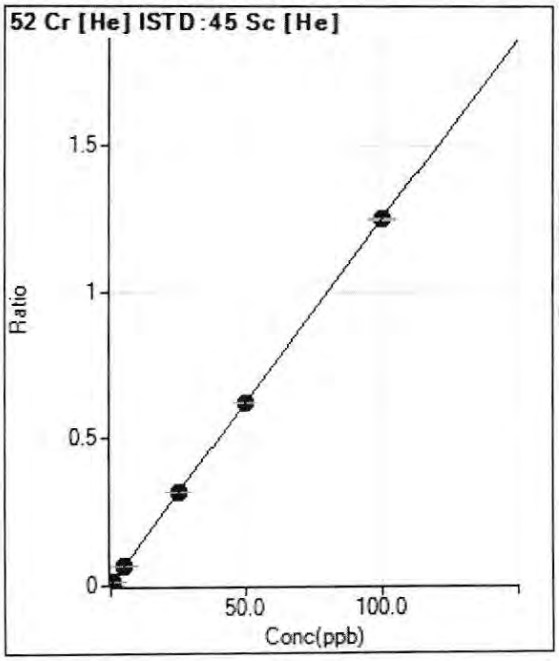
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2239.08	0.0029	P	3.5
2	☐	1.000	1.266	12794.76	0.0172	P	1.2
3	☐	5.000	5.431	47178.09	0.0644	P	7.3
4	☐	25.000	25.553	220183.57	0.2925	P	0.6
5	☐	50.000	49.832	425448.56	0.5678	P	0.2
6	☐	100.000	99.921	842165.23	1.1356	P	0.1

y = 0.0113 * x + 0.0029
R = 1.0000
DL = 0.02661
BEC = 0.2519

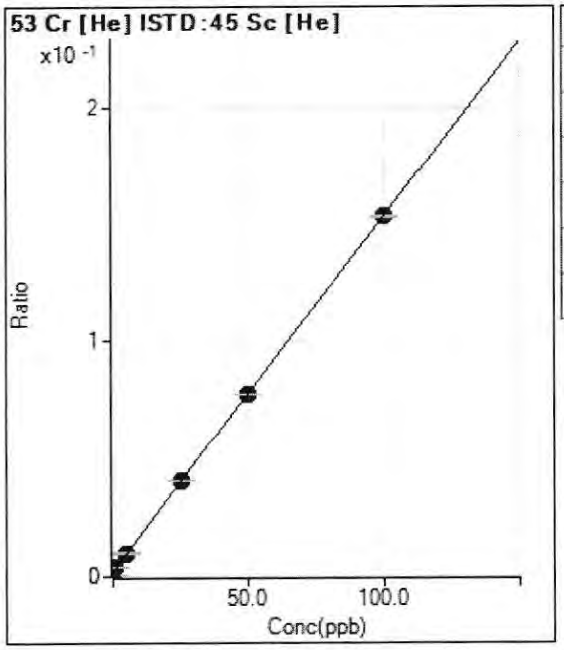
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	282.23	0.0004	P	4.3
2	☐	1.000	1.010	9632.25	0.0129	P	1.1
3	☐	5.000	5.219	47910.58	0.0654	P	6.9
4	☐	25.000	25.308	237688.02	0.3158	P	0.1
5	☐	50.000	49.929	466577.38	0.6226	P	0.4
6	☐	100.000	99.948	924123.16	1.2460	P	0.3

y = 0.0125 * x + 3.5999E-004
R = 1.0000
DL = 0.003697
BEC = 0.02888

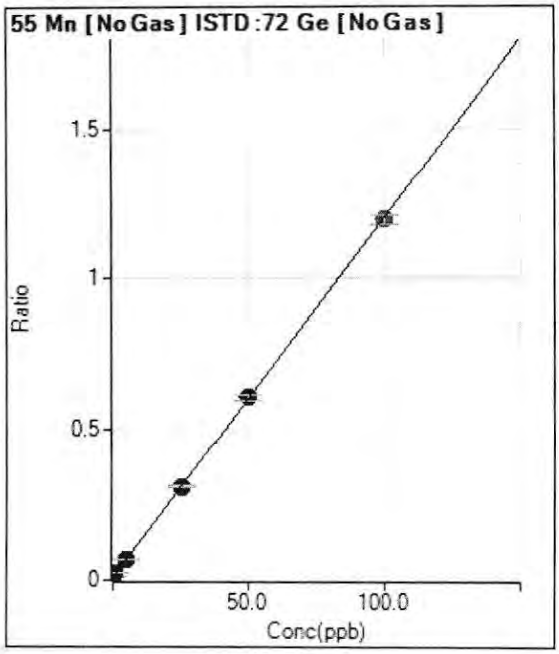
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.661	857.81	0.0011	P	5.7
2	☐	1.000	1.141	2843.64	0.0038	P	1.7
3	☐	5.000	5.290	7407.55	0.0101	P	5.3
4	☐	25.000	25.573	30729.30	0.0408	P	1.0
5	☐	50.000	49.633	57898.05	0.0773	P	0.5
6	☐	100.000	100.024	113901.99	0.1536	P	0.5

y = 0.001514 * x + 0.002095
R = 0.9999
DL = 0.1245
BEC = 1.383

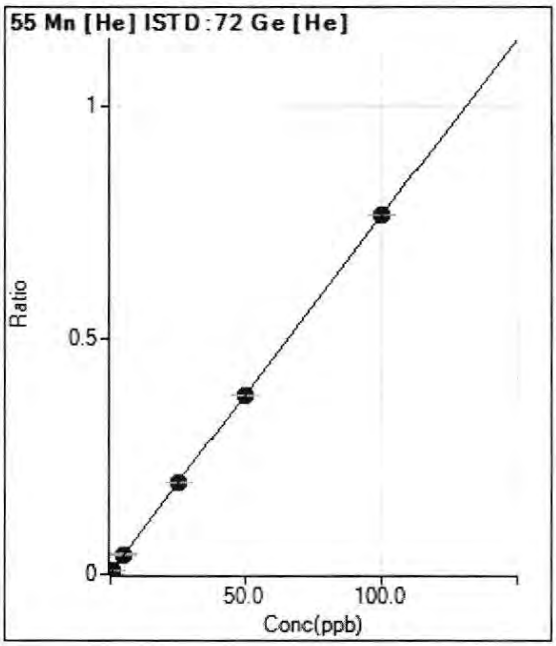
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11087.78	0.0102	P	4.3
2	☐	1.000	1.180	24320.07	0.0243	P	1.2
3	☐	5.000	5.108	72583.05	0.0710	P	3.0
4	☐	25.000	25.434	316614.97	0.3129	P	2.2
5	☐	50.000	50.232	619947.06	0.6080	P	3.0
6	☐	100.000	99.768	1213363.15	1.1974	A	2.7

y = 0.0119 * x + 0.0102
R = 1.0000
DL = 0.1113
BEC = 0.8585

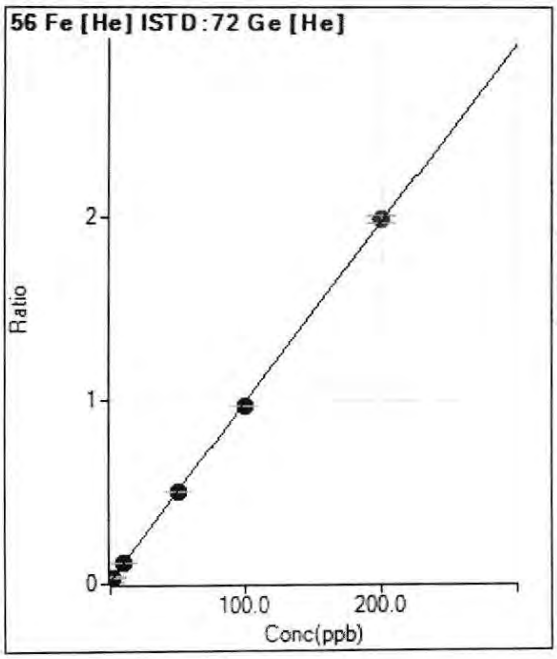
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1126.72	0.0011	P	12.4
2	☐	1.000	1.043	8528.20	0.0091	P	4.3
3	☐	5.000	5.309	38076.21	0.0416	P	7.0
4	☐	25.000	25.315	185517.48	0.1940	P	0.8
5	☐	50.000	49.793	361830.32	0.3804	P	0.1
6	☐	100.000	100.009	718591.17	0.7629	P	0.1

y = 0.0076 * x + 0.0011
R = 1.0000
DL = 0.05601
BEC = 0.1504

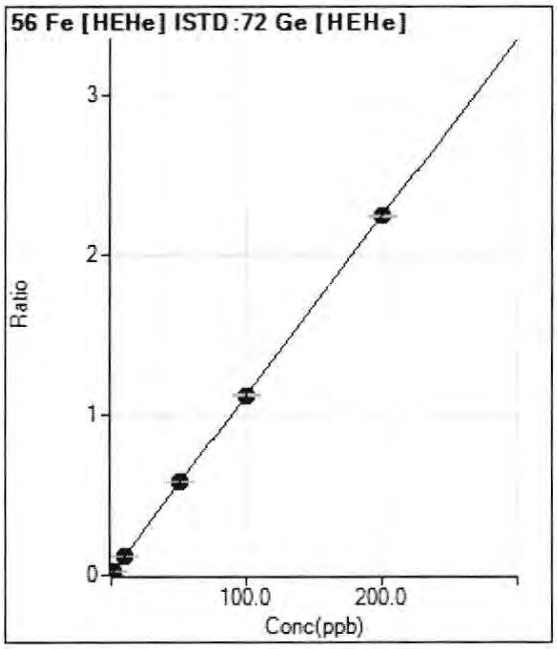
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13386.46	0.0136	P	2.7
2	☐	2.000	2.288	33787.11	0.0360	P	6.0
3	☐	10.000	10.447	106186.31	0.1160	P	7.6
4	☐	50.000	50.026	482027.81	0.5040	P	0.2
5	☐	100.000	97.543	922402.25	0.9697	P	0.3
6	☐	200.000	201.197	1870265.76	1.9858	A	2.0

y = 0.0098 * x + 0.0136
R = 0.9999
DL = 0.1132
BEC = 1.389

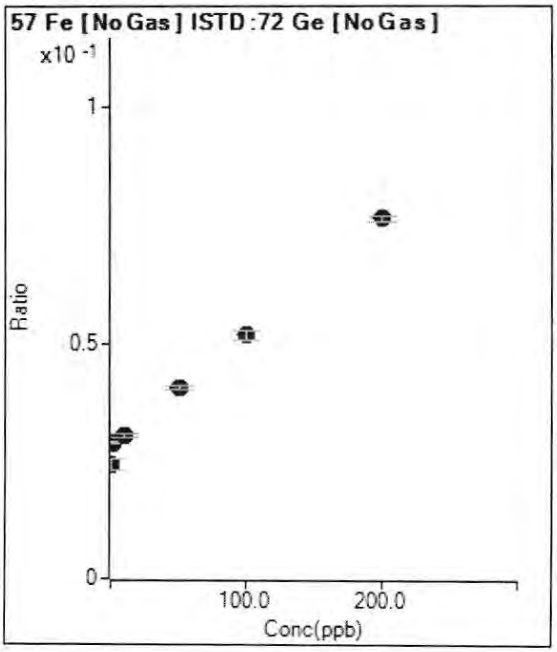
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1527.87	0.0046	P	3.8
2	☐	2.000	2.079	9113.01	0.0279	P	1.2
3	☐	10.000	10.126	38699.03	0.1179	P	0.6
4	☐	50.000	51.201	190923.50	0.5775	P	0.5
5	☐	100.000	99.767	365821.65	1.1208	P	0.3
6	☐	200.000	199.809	734240.21	2.2402	P	0.5

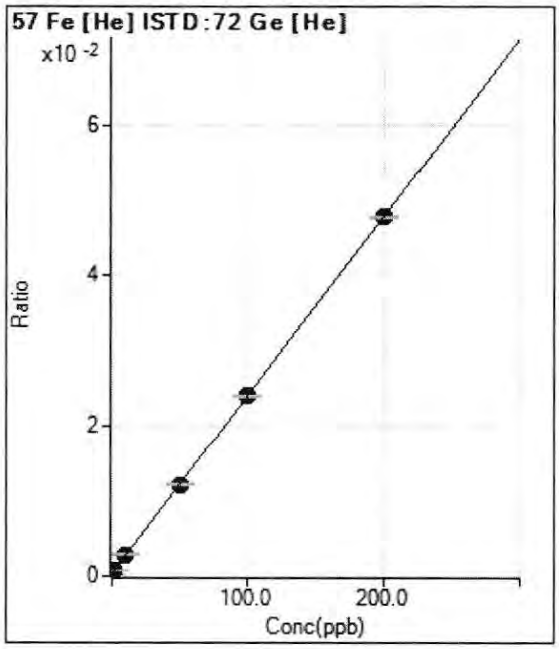
y = 0.0112 * x + 0.0046
R = 1.0000
DL = 0.04745
BEC = 0.4118

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		26209.67	0.0242	P	10.4
2	☐	2.000		29005.64	0.0289	P	1.0
3	☐	10.000		30981.00	0.0303	P	2.3
4	☐	50.000		40964.36	0.0405	P	1.7
5	☐	100.000		52717.01	0.0517	P	3.3
6	☐	200.000		77495.05	0.0765	P	1.7

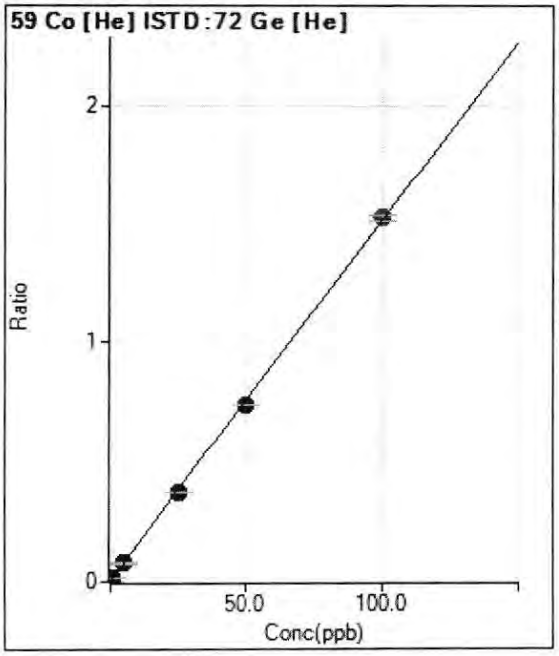
Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	268.89	0.0003	P	4.8
2	☐	2.000	2.089	721.14	0.0008	P	7.6
3	☐	10.000	10.702	2572.47	0.0028	P	9.4
4	☐	50.000	50.496	11722.75	0.0123	P	1.7
5	☐	100.000	99.779	22781.97	0.0240	P	1.5
6	☐	200.000	199.951	44948.74	0.0477	P	0.6

y = 2.3729E-004 * x + 2.7341E-004
R = 1.0000
DL = 0.1651
BEC = 1.152

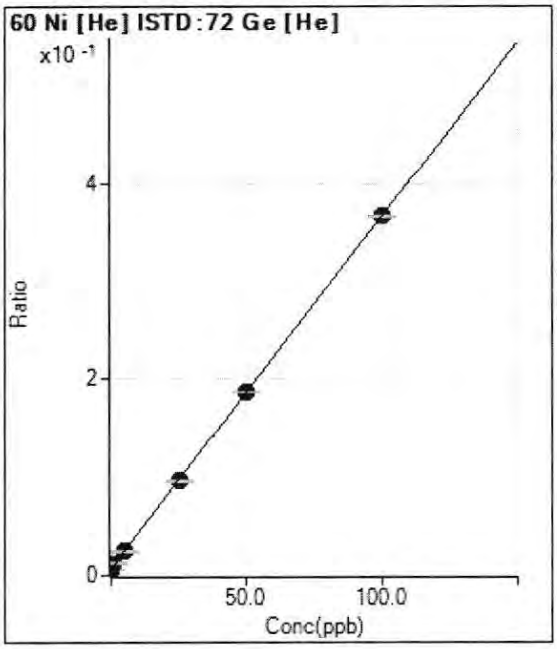
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74.44	0.0001	P	17.2
2	☐	1.000	0.993	14193.95	0.0151	P	1.9
3	☐	5.000	5.135	71309.11	0.0779	P	8.7
4	☐	25.000	24.723	358640.77	0.3750	P	0.6
5	☐	50.000	48.700	702501.22	0.7386	P	0.2
6	☐	100.000	100.713	1438679.39	1.5273	A	1.6

y = 0.0152 * x + 7.5717E-005
R = 0.9999
DL = 0.002577
BEC = 0.004993

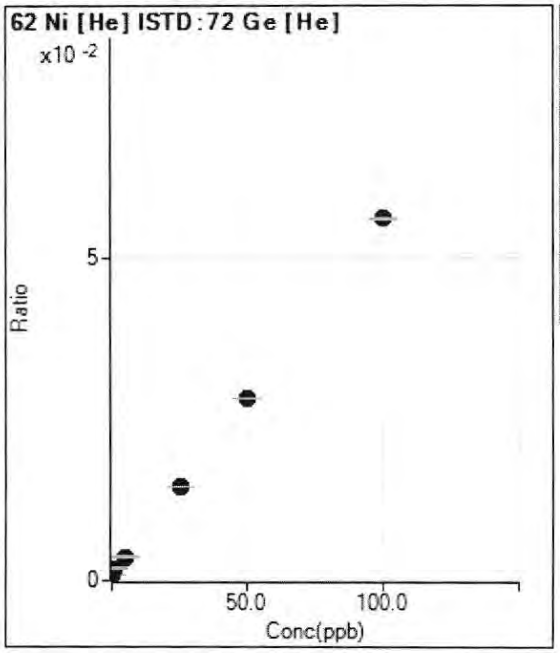
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.328	5571.16	0.0057	P	13.6
2	☐	1.000	1.466	11350.25	0.0121	P	8.7
3	☐	5.000	4.936	22511.57	0.0245	P	3.6
4	☐	25.000	24.954	92090.08	0.0963	P	1.9
5	☐	50.000	49.925	176727.34	0.1858	P	0.6
6	☐	100.000	100.048	344264.36	0.3655	P	0.6

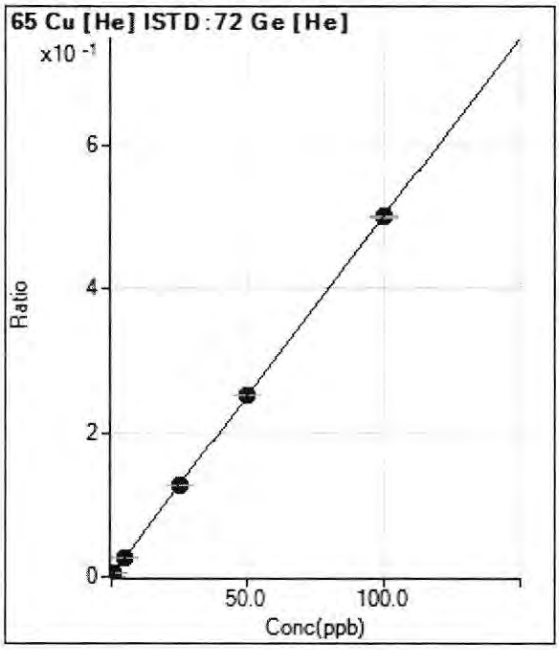
y = 0.003584 * x + 0.006842
R = 1.0000
DL = 0.6436
BEC = 1.909

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		818.92	0.0008	P	12.8
2	☐	1.000		1776.79	0.0019	P	10.7
3	☐	5.000		3383.76	0.0037	P	3.9
4	☐	25.000		13948.16	0.0146	P	1.9
5	☐	50.000		26877.05	0.0283	P	0.8
6	☐	100.000		52902.33	0.0562	P	0.7

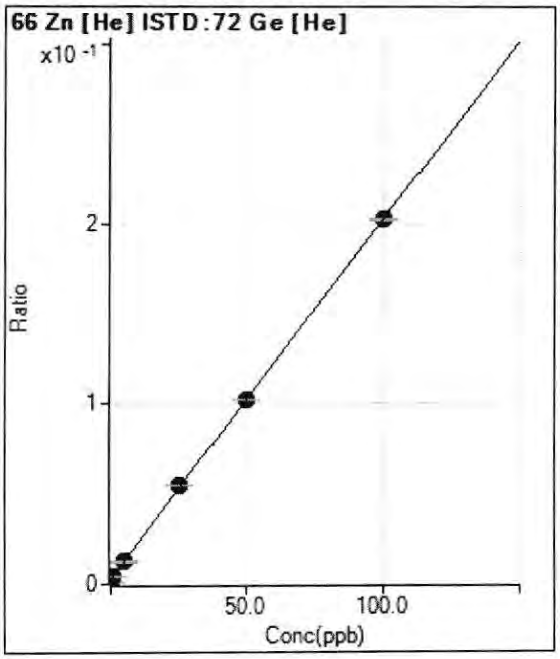
Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.186	107.78	0.0001	P	9.9
2	☐	1.000	0.893	5168.76	0.0055	P	1.3
3	☐	5.000	5.043	24085.35	0.0263	P	6.2
4	☐	25.000	25.309	122209.60	0.1278	P	0.5
5	☐	50.000	50.039	239327.03	0.2516	P	0.2
6	☐	100.000	99.902	472191.99	0.5013	P	0.2

y = 0.005007 * x + 0.001042
R = 1.0000
DL = 0.006518
BEC = 0.2082

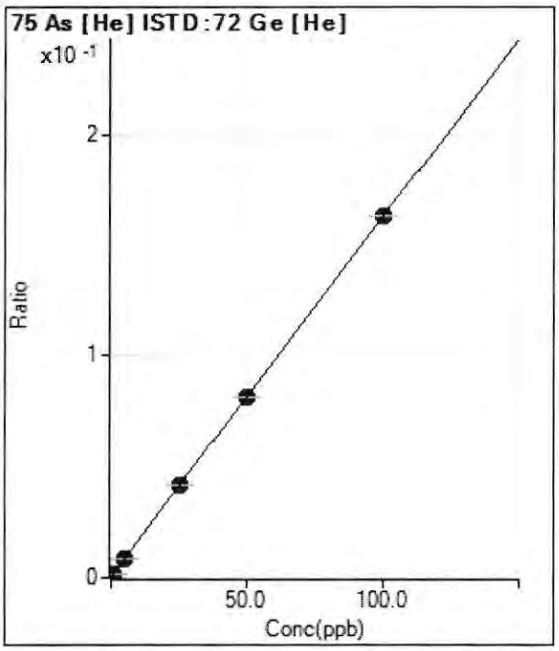
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.535	1202.28	0.0012	P	1.6
2	☐	1.000	0.862	3770.53	0.0040	P	2.5
3	☐	5.000	5.028	11304.65	0.0124	P	9.9
4	☐	25.000	26.111	52213.46	0.0546	P	0.7
5	☐	50.000	49.624	96718.95	0.1017	P	0.3
6	☐	100.000	99.911	190655.60	0.2024	P	0.4

y = 0.002003 * x + 0.002293
R = 0.9999
DL = 0.02885
BEC = 1.145

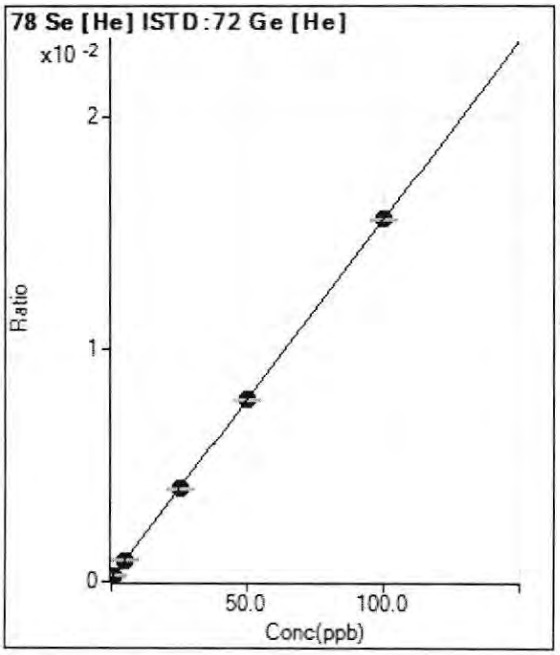
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.34	0.0001	P	45.3
2	☐	1.000	1.034	1667.44	0.0018	P	0.4
3	☐	5.000	5.286	7962.97	0.0087	P	7.5
4	☐	25.000	25.297	39469.82	0.0413	P	0.5
5	☐	50.000	49.902	77341.11	0.0813	P	0.5
6	☐	100.000	99.960	153333.02	0.1628	P	0.1

y = 0.0016 * x + 9.5825E-005
R = 1.0000
DL = 0.07996
BEC = 0.05888

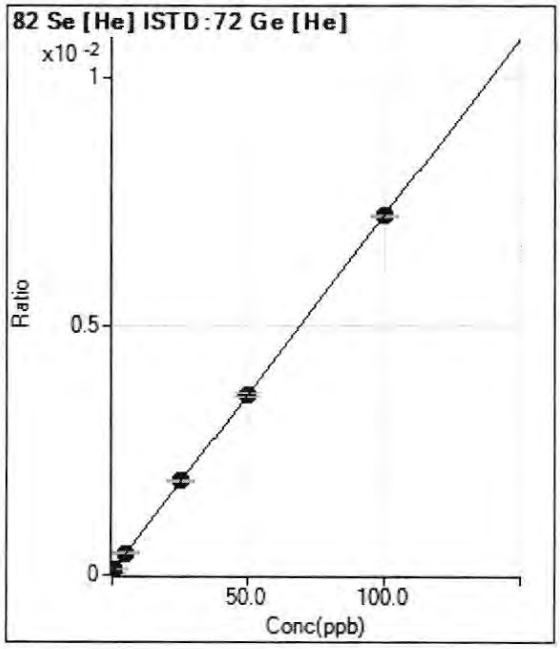
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	154.00	0.0002	P	13.5
2	☐	1.000	0.811	263.67	0.0003	P	5.4
3	☐	5.000	5.054	855.36	0.0009	P	6.8
4	☐	25.000	25.066	3838.87	0.0040	P	2.2
5	☐	50.000	49.703	7423.00	0.0078	P	0.8
6	☐	100.000	100.131	14660.45	0.0156	P	0.8

y = 1.5386E-004 * x + 1.5653E-004
R = 1.0000
DL = 0.4117
BEC = 1.017

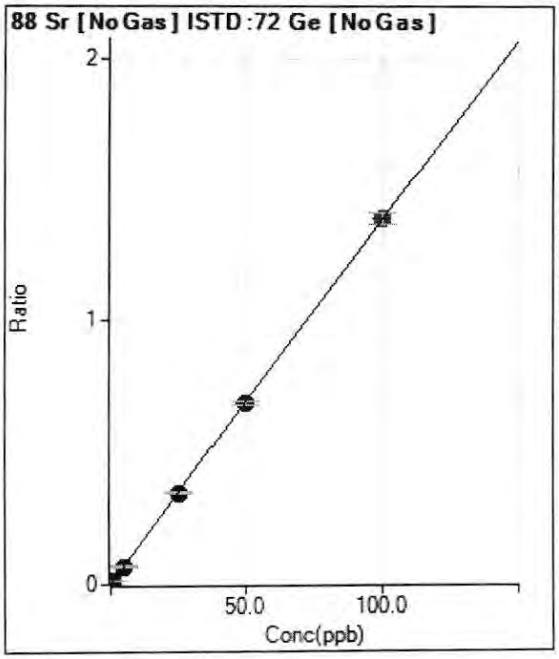
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.67	0.0001	P	7.1
2	☐	1.000	1.002	115.67	0.0001	P	9.1
3	☐	5.000	5.208	388.68	0.0004	P	8.3
4	☐	25.000	25.711	1811.12	0.0019	P	2.4
5	☐	50.000	49.939	3452.44	0.0036	P	1.3
6	☐	100.000	99.842	6787.35	0.0072	P	0.6

y = 7.1651E-005 * x + 5.1519E-005
R = 1.0000
DL = 0.1526
BEC = 0.719

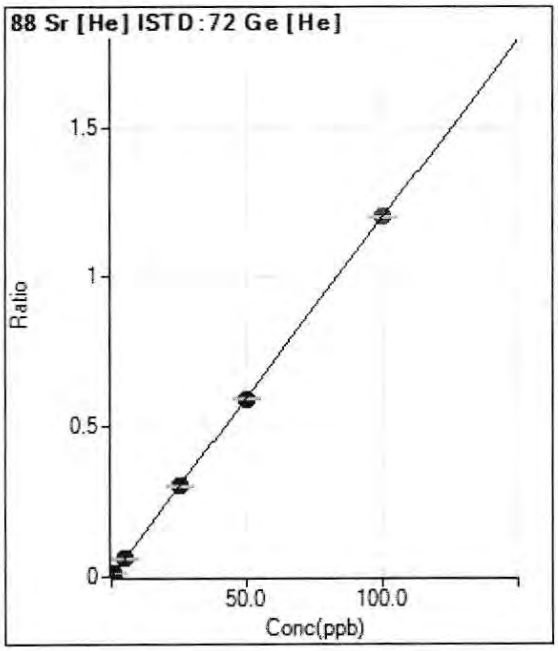
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	246.67	0.0002	P	11.8
2	☐	1.000	1.012	14263.05	0.0142	P	3.9
3	☐	5.000	5.005	71034.63	0.0695	P	1.6
4	☐	25.000	25.208	353208.74	0.3490	P	1.7
5	☐	50.000	49.276	695567.35	0.6820	P	2.1
6	☐	100.000	100.310	1406461.16	1.3882	A	3.3

y = 0.0138 * x + 2.2769E-004
R = 1.0000
DL = 0.005844
BEC = 0.01646

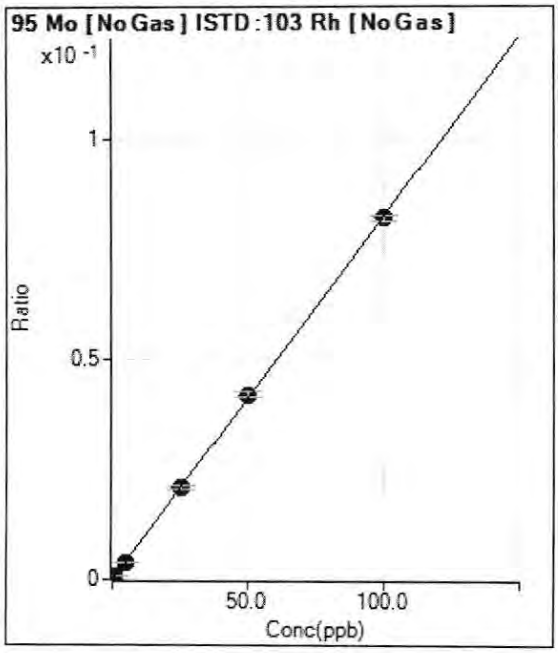
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.22	0.0002	P	14.5
2	☐	1.000	0.999	11385.89	0.0121	P	1.2
3	☐	5.000	5.255	57772.44	0.0632	P	8.7
4	☐	25.000	25.245	289515.55	0.3027	P	0.6
5	☐	50.000	49.512	564511.75	0.5935	P	0.5
6	☐	100.000	100.170	1130870.06	1.2005	A	0.6

y = 0.0120 * x + 1.7515E-004
R = 1.0000
DL = 0.006374
BEC = 0.01462

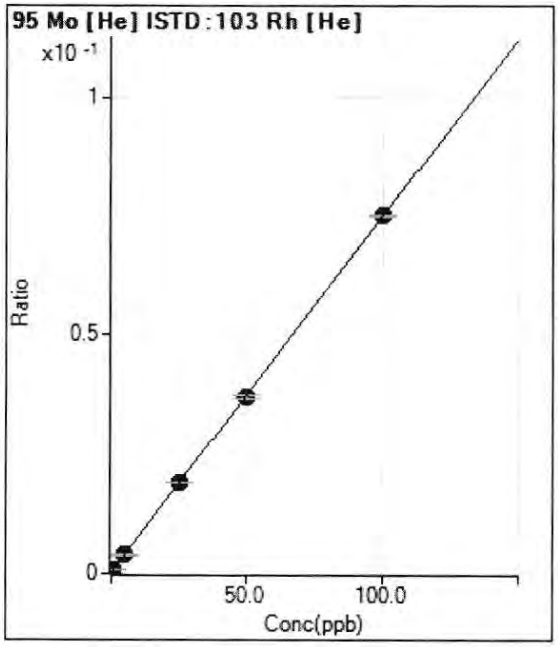
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0000	P	9.6
2	☐	1.000	1.042	2698.06	0.0009	P	1.6
3	☐	5.000	4.882	12184.41	0.0040	P	2.8
4	☐	25.000	25.390	62588.92	0.0209	P	3.1
5	☐	50.000	50.781	123670.82	0.0419	P	3.4
6	☐	100.000	99.518	245068.29	0.0820	P	1.5

y = 8.2397E-004 * x + 1.9297E-005
R = 0.9999
DL = 0.006767
BEC = 0.02342

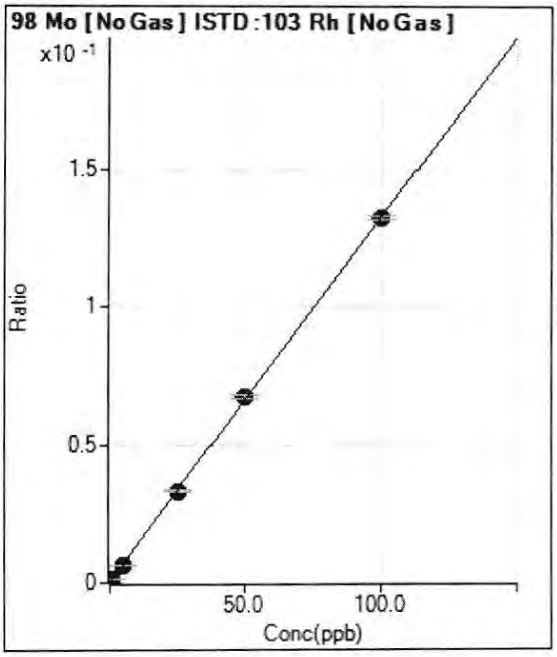
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	131.11	0.0000	P	21.3
2	☐	1.000	0.982	5321.07	0.0008	P	2.3
3	☐	5.000	5.113	26322.13	0.0038	P	7.4
4	☐	25.000	25.489	137212.48	0.0191	P	0.2
5	☐	50.000	49.369	267061.42	0.0370	P	1.4
6	☐	100.000	100.188	529228.67	0.0751	P	0.8

y = 7.4937E-004 * x + 1.7851E-005
R = 1.0000
DL = 0.0152
BEC = 0.02382

Weight: <None>
Min Conc: 0

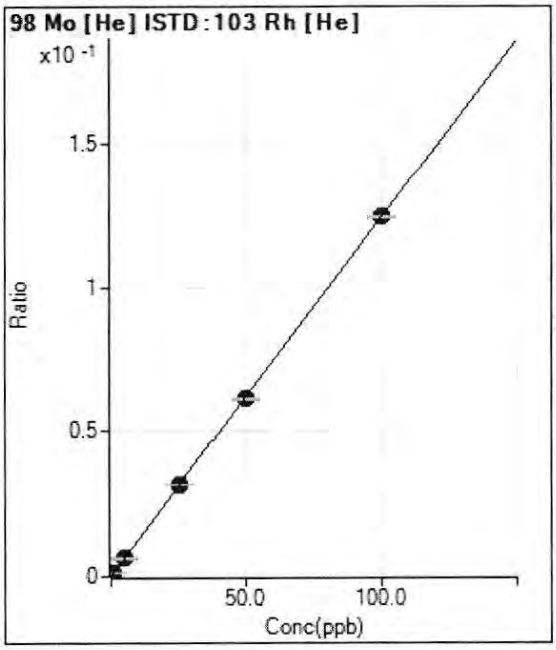


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	99.58	0.0000	P	31.9
2	☐	1.000	0.939	3923.57	0.0013	P	1.3
3	☐	5.000	4.851	19491.63	0.0065	P	6.0
4	☐	25.000	25.025	99389.77	0.0332	P	2.5
5	☐	50.000	50.627	198648.35	0.0672	P	2.5
6	☐	100.000	99.688	395480.03	0.1323	P	1.0

y = 0.0013 * x + 3.0846E-005
R = 1.0000
DL = 0.02223
BEC = 0.02324

Weight: <None>
Min Conc: 0

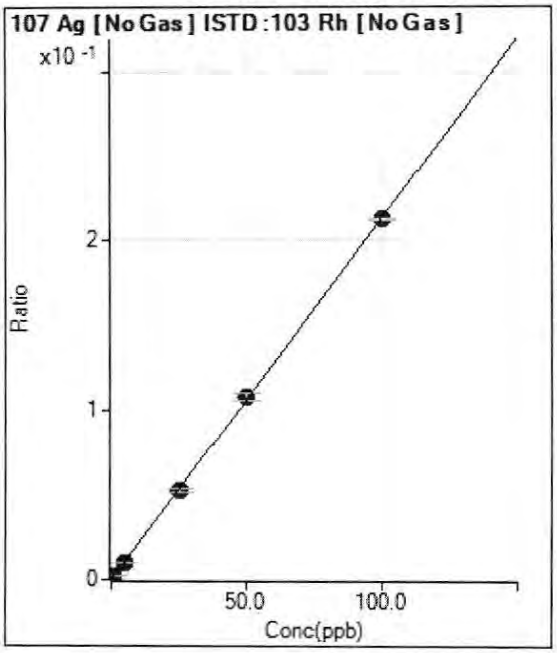
Calibration for 007CALS.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	233.34	0.0000	P	15.7
2	☐	1.000	0.960	8640.55	0.0012	P	1.7
3	☐	5.000	5.135	43778.02	0.0064	P	8.9
4	☐	25.000	25.350	226163.13	0.0315	P	0.7
5	☐	50.000	49.205	441130.47	0.0611	P	1.1
6	☐	100.000	100.304	878079.79	0.1246	P	0.9

y = 0.0012 * x + 3.1717E-005
R = 0.9999
DL = 0.01203
BEC = 0.02554

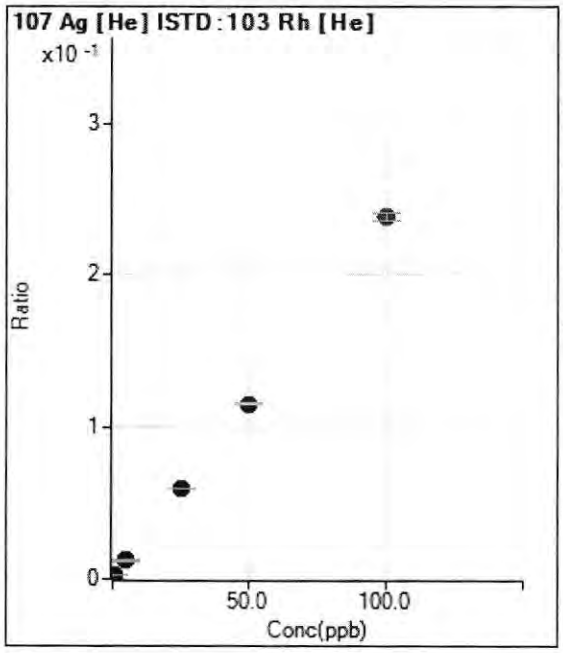
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	45.2
2	☐	1.000	0.991	6537.17	0.0021	P	4.3
3	☐	5.000	4.897	31504.48	0.0105	P	3.7
4	☐	25.000	24.863	158422.39	0.0530	P	3.0
5	☐	50.000	50.648	318918.82	0.1080	P	3.6
6	☐	100.000	99.716	635090.09	0.2125	P	0.2

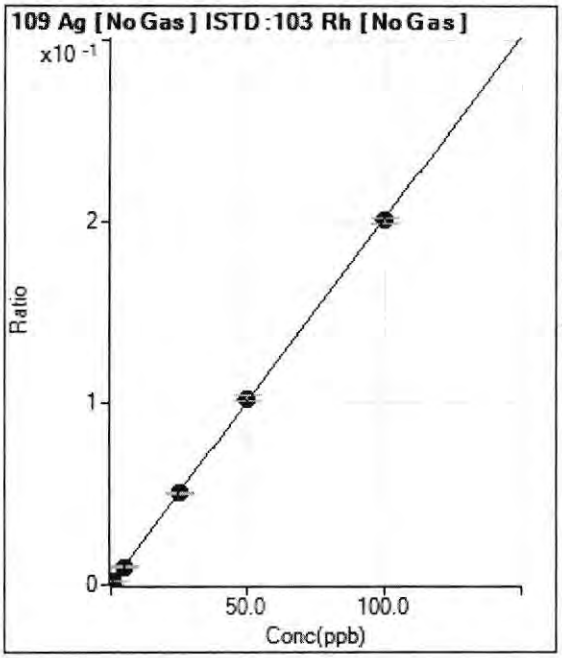
y = 0.0021 * x + 1.5675E-005
R = 1.0000
DL = 0.009964
BEC = 0.007355

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		63.33	0.0000	P	19.2
2	☐	1.000		16507.91	0.0023	P	1.7
3	☐	5.000		82859.03	0.0121	P	8.8
4	☐	25.000		424127.05	0.0591	P	0.7
5	☐	50.000		830377.52	0.1151	P	1.1
6	☐	100.000		1674557.64	0.2376	A	2.0

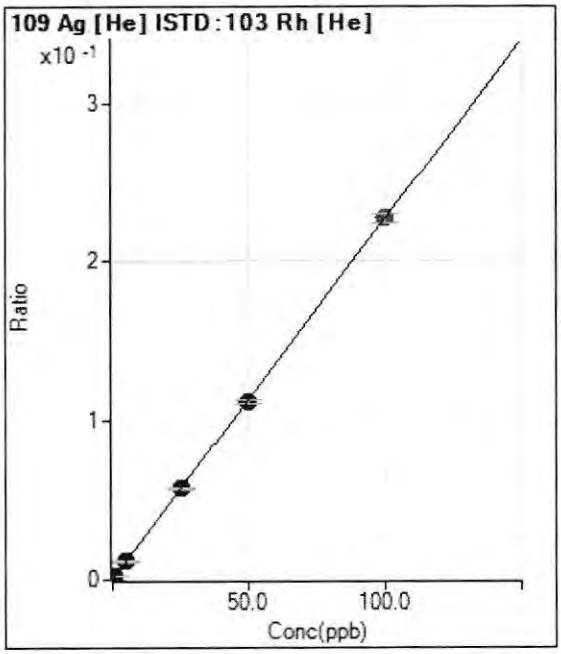
Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	13.0
2	☐	1.000	0.980	6089.19	0.0020	P	2.6
3	☐	5.000	4.981	30281.73	0.0100	P	3.1
4	☐	25.000	25.246	152105.04	0.0509	P	2.3
5	☐	50.000	50.855	302776.27	0.1025	P	3.4
6	☐	100.000	99.512	599203.01	0.2005	P	1.3

y = 0.0020 * x + 8.2678E-006
R = 0.9999
DL = 0.0016
BEC = 0.004103

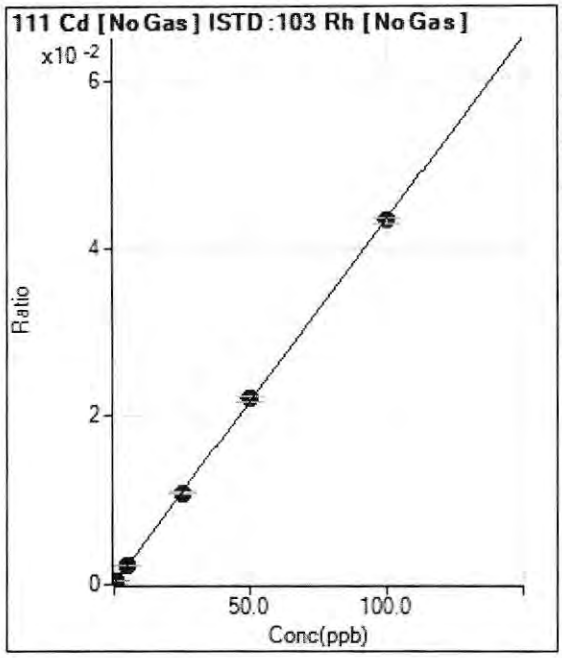
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0000	P	19.8
2	☐	1.000	1.006	16153.05	0.0023	P	0.8
3	☐	5.000	5.234	81074.19	0.0119	P	8.9
4	☐	25.000	25.288	411284.20	0.0573	P	0.5
5	☐	50.000	49.330	806493.46	0.1118	P	1.7
6	☐	100.000	100.251	1600918.86	0.2272	A	2.7

y = 0.0023 * x + 8.1663E-006
R = 1.0000
DL = 0.002137
BEC = 0.003604

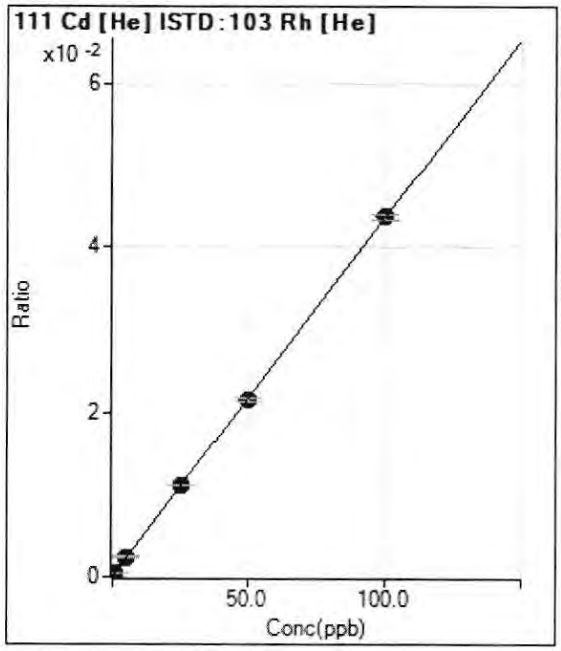
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.89	0.0000	P	1946.2
2	☐	1.000	0.992	1327.26	0.0004	P	3.3
3	☐	5.000	5.122	6717.70	0.0022	P	1.4
4	☐	25.000	24.870	32331.87	0.0108	P	2.3
5	☐	50.000	50.635	65054.01	0.0220	P	3.2
6	☐	100.000	99.709	129556.57	0.0434	P	1.5

y = 4.3486E-004 * x + 5.8619E-007
R = 1.0000
DL = 0.0787
BEC = 0.001348

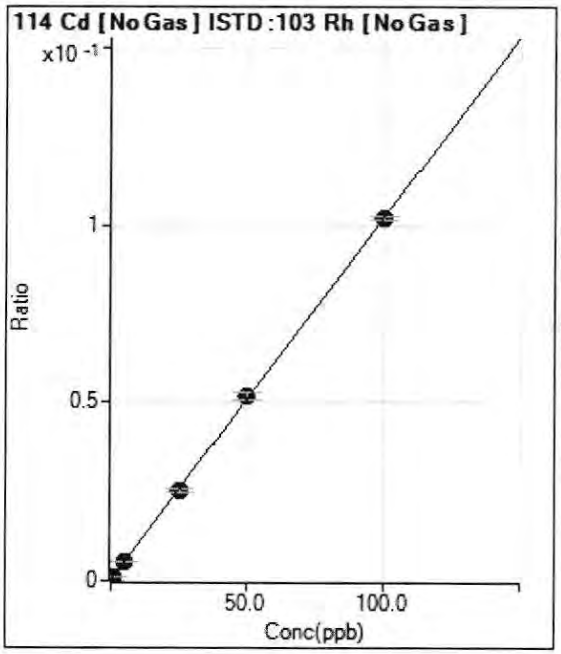
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.67	0.0000	P	12.9
2	☐	1.000	1.004	3092.69	0.0004	P	1.3
3	☐	5.000	5.491	16353.56	0.0024	P	8.5
4	☐	25.000	25.303	79142.12	0.0110	P	0.3
5	☐	50.000	49.378	155258.41	0.0215	P	1.8
6	☐	100.000	100.210	307727.28	0.0437	P	1.6

y = 4.3579E-004 * x + 6.3495E-007
R = 1.0000
DL = 0.0005653
BEC = 0.001457

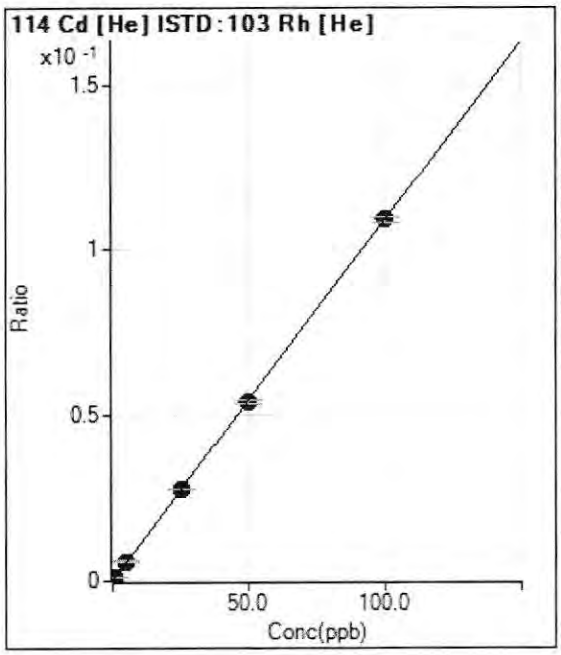
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.61	0.0000	P	149.2
2	☐	1.000	0.979	3107.76	0.0010	P	3.7
3	☐	5.000	5.113	15769.45	0.0052	P	1.7
4	☐	25.000	24.836	75775.48	0.0254	P	3.0
5	☐	50.000	50.704	152858.67	0.0517	P	3.5
6	☐	100.000	99.683	303917.69	0.1017	P	0.9

y = 0.0010 * x + 1.3674E-005
R = 1.0000
DL = 0.05998
BEC = 0.0134

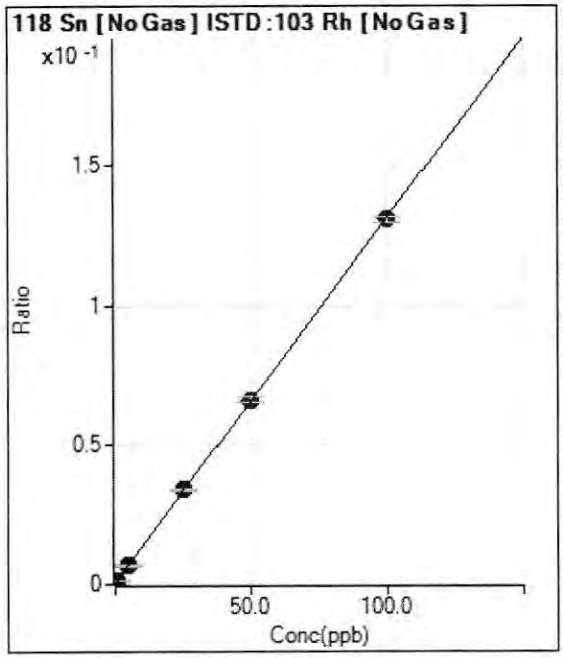
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.67	0.0000	P	12.3
2	☐	1.000	1.005	7741.56	0.0011	P	1.6
3	☐	5.000	5.453	40564.13	0.0059	P	9.1
4	☐	25.000	25.356	198124.47	0.0276	P	0.5
5	☐	50.000	49.382	387882.90	0.0538	P	1.6
6	☐	100.000	100.197	768648.56	0.1091	P	1.4

y = 0.0011 * x + 2.6758E-006
R = 1.0000
DL = 0.0009076
BEC = 0.002458

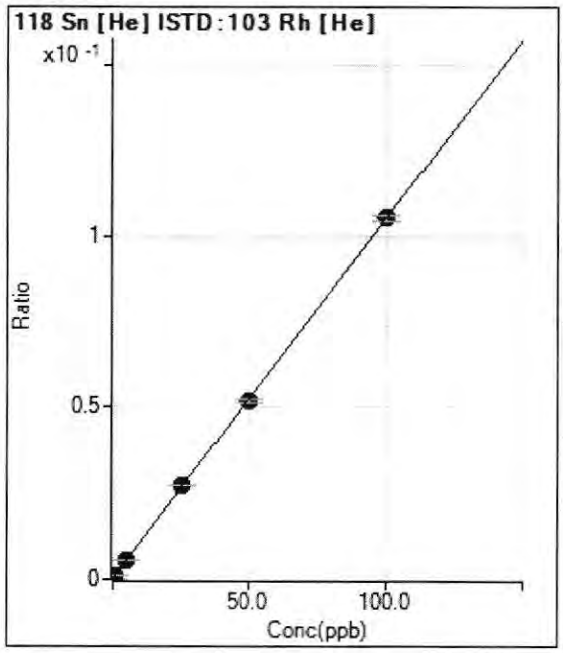
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	317.78	0.0001	P	23.2
2	☐	1.000	0.952	4130.66	0.0013	P	1.6
3	☐	5.000	4.989	19987.15	0.0066	P	2.6
4	☐	25.000	25.623	100576.81	0.0336	P	3.0
5	☐	50.000	50.274	194751.49	0.0659	P	3.5
6	☐	100.000	99.708	390380.43	0.1307	P	1.4

y = 0.0013 * x + 9.7998E-005
R = 1.0000
DL = 0.05215
BEC = 0.07484

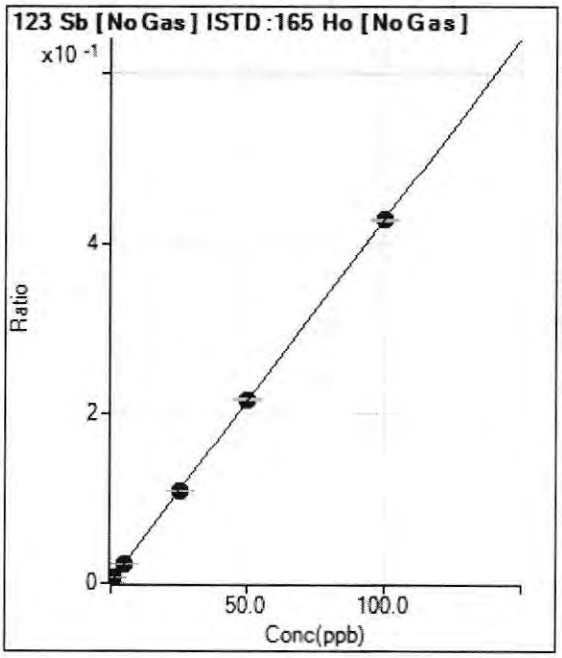
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	505.57	0.0001	P	7.2
2	☐	1.000	1.037	8169.19	0.0012	P	2.7
3	☐	5.000	5.265	38246.62	0.0056	P	8.4
4	☐	25.000	25.779	194760.52	0.0271	P	0.4
5	☐	50.000	49.463	375220.67	0.0520	P	1.9
6	☐	100.000	100.060	740794.78	0.1051	P	1.8

y = 0.0011 * x + 6.8780E-005
R = 0.9999
DL = 0.0142
BEC = 0.0655

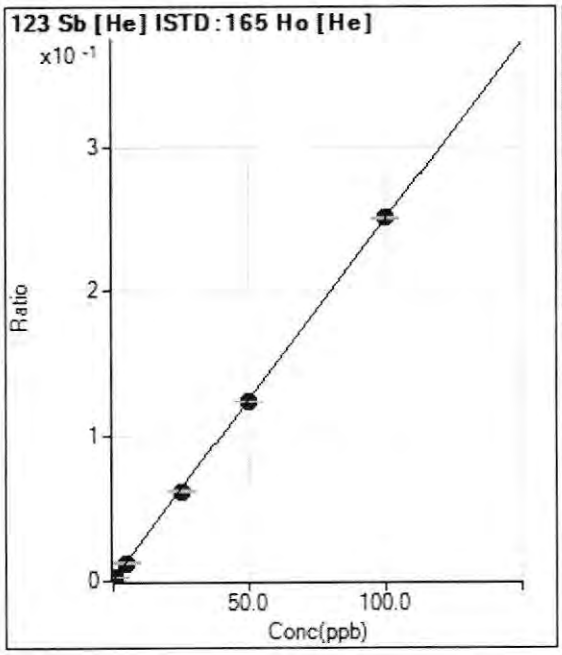
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	926.71	0.0010	P	4.4
2	☐	1.000	1.243	5275.52	0.0063	P	3.9
3	☐	5.000	5.068	19118.17	0.0227	P	1.7
4	☐	25.000	25.197	90970.90	0.1088	P	0.5
5	☐	50.000	50.299	182162.87	0.2161	P	0.7
6	☐	100.000	99.795	361929.91	0.4278	P	0.6

y = 0.0043 * x + 0.0010
R = 1.0000
DL = 0.03104
BEC = 0.2348

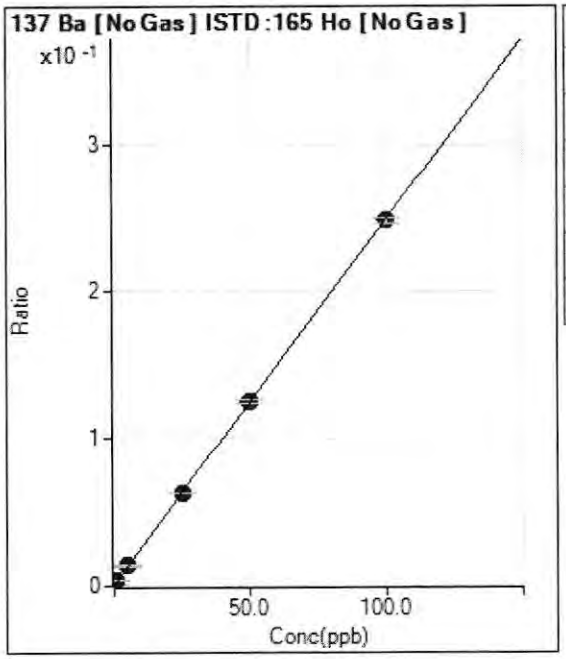
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	775.58	0.0003	P	0.5
2	☐	1.000	0.971	7228.67	0.0027	P	4.8
3	☐	5.000	4.904	32542.92	0.0125	P	4.8
4	☐	25.000	24.628	167969.43	0.0616	P	2.0
5	☐	50.000	49.391	332505.34	0.1233	P	0.8
6	☐	100.000	100.402	671947.13	0.2503	P	0.7

y = 0.0025 * x + 2.8490E-004
R = 1.0000
DL = 0.001641
BEC = 0.1144

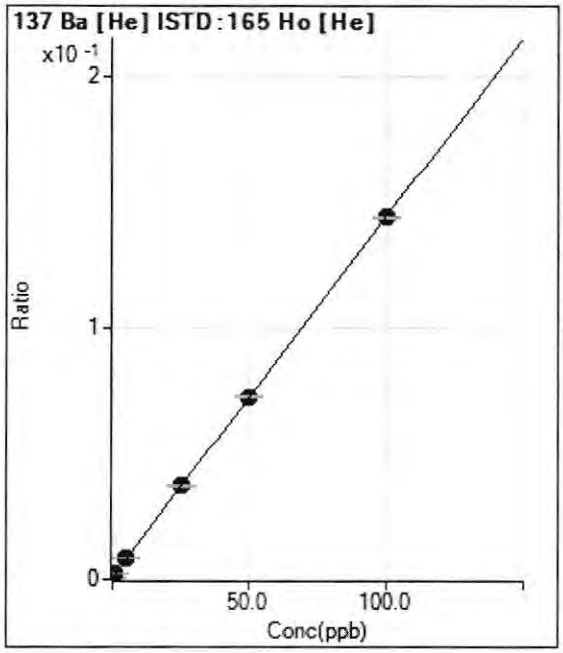
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	747.80	0.0008	P	12.4
2	☐	1.000	1.219	3195.96	0.0038	P	2.0
3	☐	5.000	5.246	11627.37	0.0138	P	0.9
4	☐	25.000	25.290	53016.72	0.0634	P	0.9
5	☐	50.000	50.245	105464.49	0.1251	P	2.5
6	☐	100.000	99.791	209567.20	0.2477	P	1.7

y = 0.0025 * x + 8.1458E-004
R = 1.0000
DL = 0.1228
BEC = 0.3292

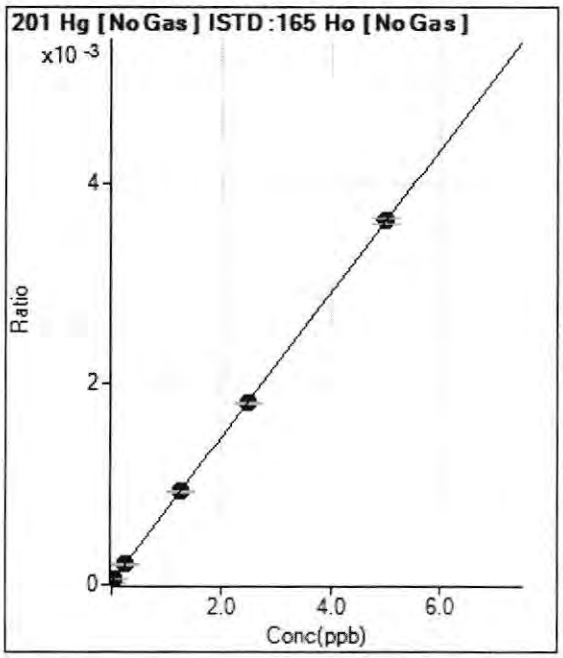
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1373.41	0.0005	P	2.9
2	☐	1.000	1.147	5745.71	0.0021	P	1.1
3	☐	5.000	5.447	21613.19	0.0083	P	7.2
4	☐	25.000	25.517	101053.04	0.0371	P	2.3
5	☐	50.000	50.137	195132.49	0.0724	P	1.0
6	☐	100.000	99.778	385163.86	0.1435	P	0.4

y = 0.0014 * x + 5.0471E-004
R = 1.0000
DL = 0.03112
BEC = 0.3522

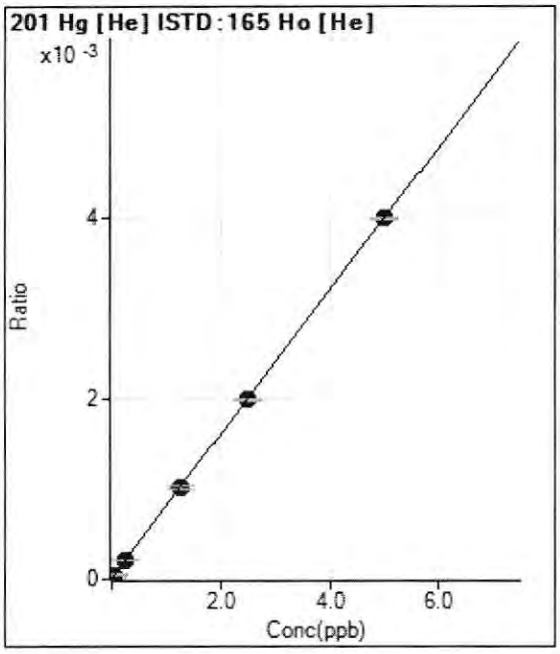
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.17	0.0000	P	16.2
2	☐	0.050	0.059	52.00	0.0001	P	5.2
3	☐	0.250	0.263	176.33	0.0002	P	9.8
4	☐	1.250	1.270	782.52	0.0009	P	1.2
5	☐	2.500	2.471	1519.09	0.0018	P	1.8
6	☐	5.000	5.009	3073.21	0.0036	P	1.9

y = 7.2132E-004 * x + 1.9828E-005
R = 1.0000
DL = 0.01333
BEC = 0.02749

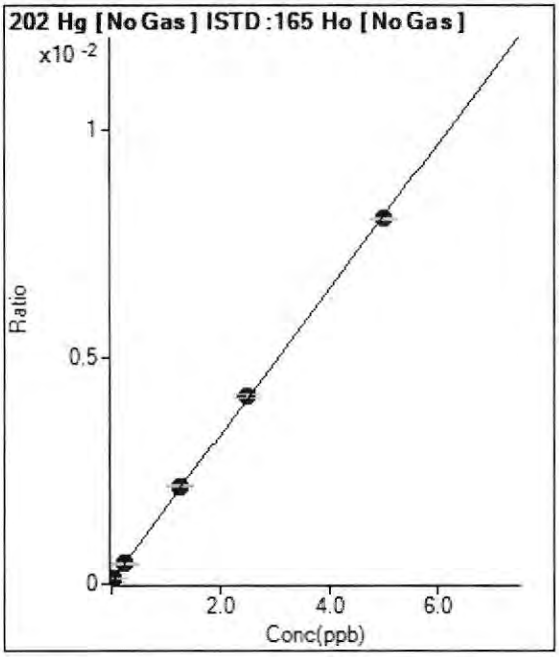
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	29.33	0.0000	P	9.2
2	☐	0.050	0.051	136.67	0.0001	P	7.9
3	☐	0.250	0.249	543.84	0.0002	P	5.8
4	☐	1.250	1.274	2794.47	0.0010	P	3.8
5	☐	2.500	2.476	5344.78	0.0020	P	1.6
6	☐	5.000	5.006	10723.98	0.0040	P	0.7

y = 7.9605E-004 * x + 1.0790E-005
R = 1.0000
DL = 0.003741
BEC = 0.01355

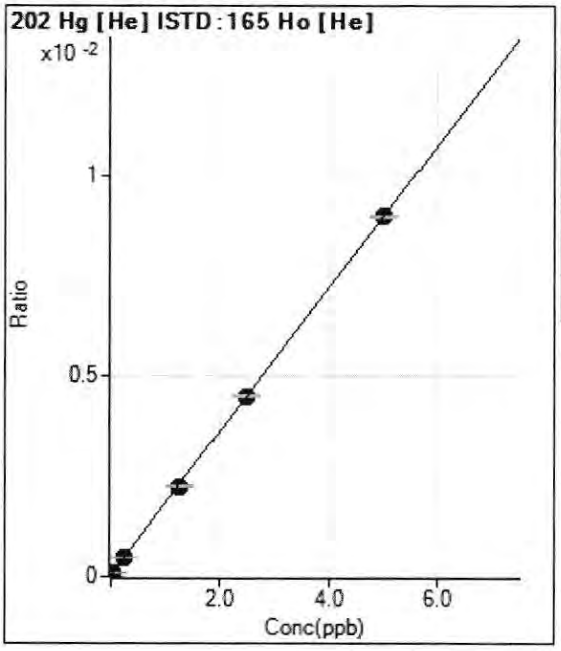
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.00	0.0000	P	12.6
2	☐	0.050	0.053	99.33	0.0001	P	3.4
3	☐	0.250	0.257	377.68	0.0004	P	2.6
4	☐	1.250	1.310	1794.13	0.0021	P	1.1
5	☐	2.500	2.537	3473.81	0.0041	P	1.8
6	☐	5.000	4.966	6799.48	0.0080	P	0.5

y = 0.0016 * x + 3.3565E-005
R = 0.9999
DL = 0.007878
BEC = 0.02083

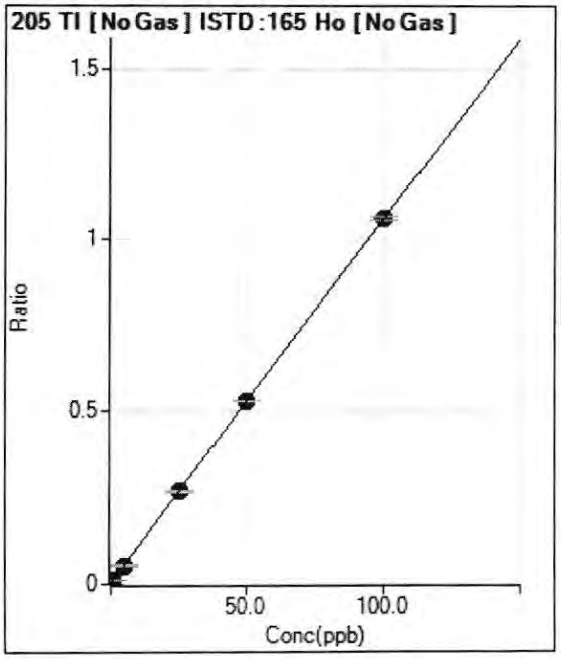
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.50	0.0000	P	20.5
2	☐	0.050	0.051	293.50	0.0001	P	7.1
3	☐	0.250	0.254	1236.23	0.0005	P	7.5
4	☐	1.250	1.248	6154.65	0.0023	P	2.0
5	☐	2.500	2.498	12140.25	0.0045	P	0.7
6	☐	5.000	5.001	24136.72	0.0090	P	0.3

y = 0.0018 * x + 1.8968E-005
R = 1.0000
DL = 0.006505
BEC = 0.01057

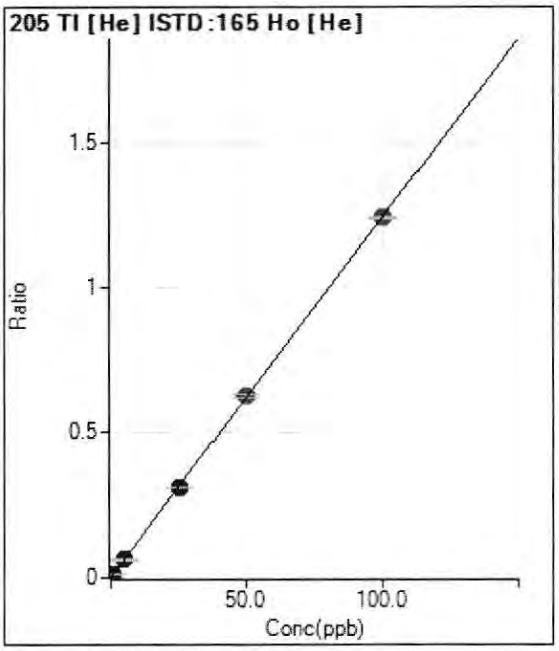
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.44	0.0000	P	6.1
2	☐	1.000	1.002	8899.82	0.0107	P	1.1
3	☐	5.000	5.020	44874.55	0.0532	P	1.3
4	☐	25.000	25.285	224127.84	0.2680	P	0.9
5	☐	50.000	49.835	445132.86	0.5281	P	0.9
6	☐	100.000	100.011	896582.08	1.0599	P	0.9

y = 0.0106 * x + 4.8260E-005
R = 1.0000
DL = 0.0008279
BEC = 0.004554

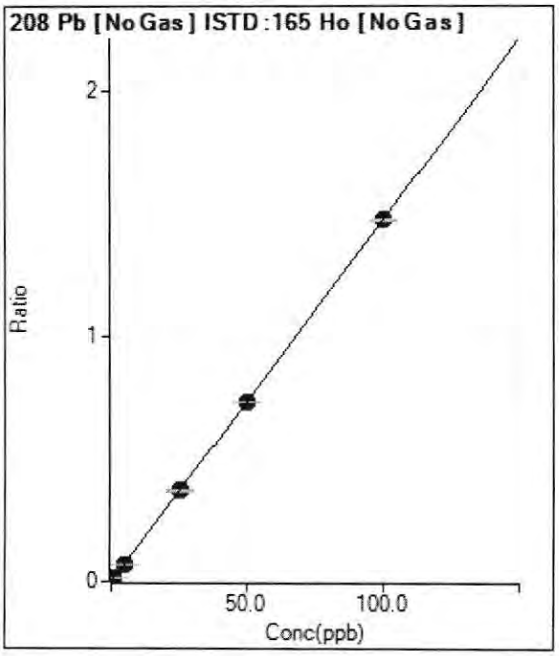
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	73.34	0.0000	P	22.6
2	☐	1.000	0.988	32856.85	0.0123	P	1.2
3	☐	5.000	5.156	166368.90	0.0640	P	8.3
4	☐	25.000	24.886	842081.81	0.3089	P	1.4
5	☐	50.000	50.203	1680375.63	0.6231	A	1.9
6	☐	100.000	99.920	3328769.31	1.2402	A	0.4

y = 0.0124 * x + 2.7011E-005
R = 1.0000
DL = 0.001477
BEC = 0.002176

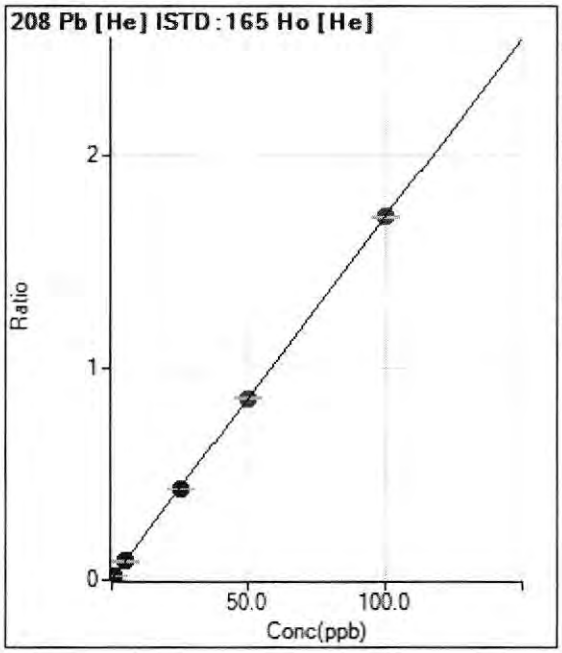
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	251.11	0.0003	P	19.4
2	☐	1.000	1.004	12582.58	0.0151	P	1.0
3	☐	5.000	4.938	61623.03	0.0731	P	0.7
4	☐	25.000	25.244	311633.03	0.3726	P	1.5
5	☐	50.000	49.871	620206.12	0.7359	P	0.6
6	☐	100.000	100.006	1248107.81	1.4753	P	0.5

y = 0.0147 * x + 2.7145E-004
R = 1.0000
DL = 0.0107
BEC = 0.0184

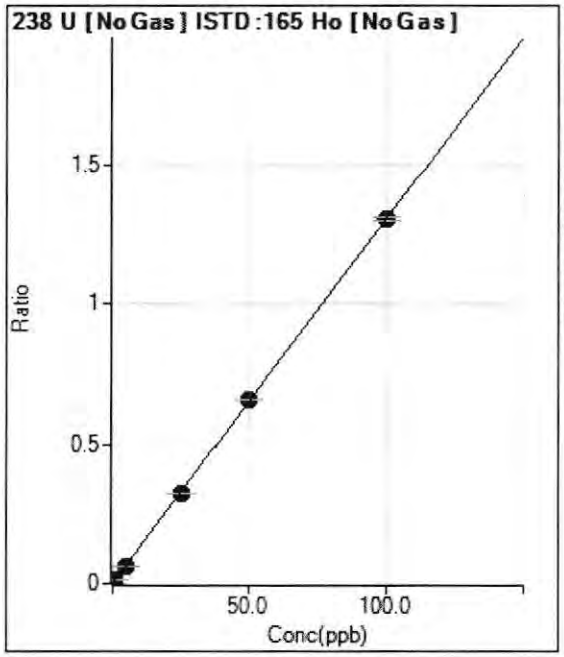
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.67	0.0001	P	8.1
2	☐	1.000	0.981	45193.85	0.0169	P	1.6
3	☐	5.000	5.154	229488.03	0.0883	P	8.0
4	☐	25.000	24.942	1163439.09	0.4268	P	1.4
5	☐	50.000	50.062	2309766.29	0.8565	A	1.4
6	☐	100.000	99.976	4590528.44	1.7103	A	0.2

y = 0.0171 * x + 1.2370E-004
R = 1.0000
DL = 0.001757
BEC = 0.007231

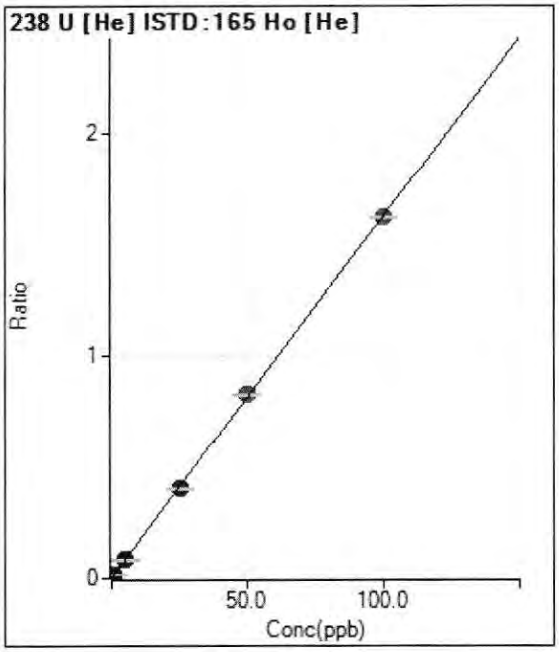
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	197.78	0.0002	P	6.6
2	☐	1.000	1.008	11149.39	0.0134	P	3.7
3	☐	5.000	4.949	54573.39	0.0648	P	1.6
4	☐	25.000	24.960	272377.05	0.3257	P	0.9
5	☐	50.000	50.382	553901.97	0.6572	P	0.2
6	☐	100.000	99.822	1101378.05	1.3019	P	1.0

y = 0.0130 * x + 2.1419E-004
R = 1.0000
DL = 0.003275
BEC = 0.01643

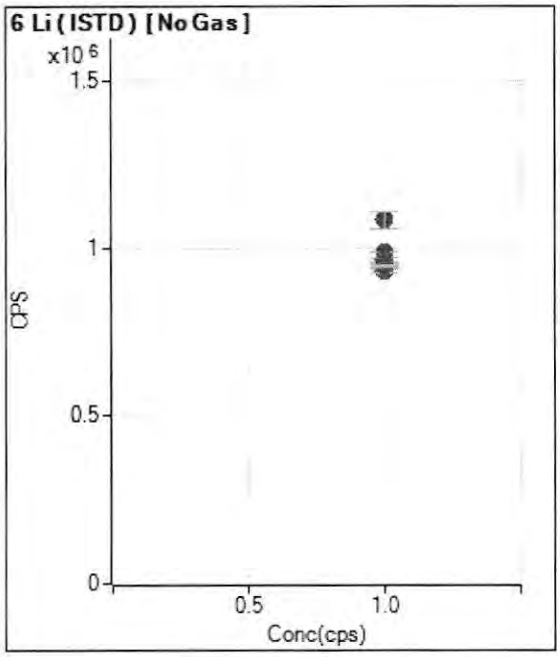
Weight: <None>
Min Conc: 0



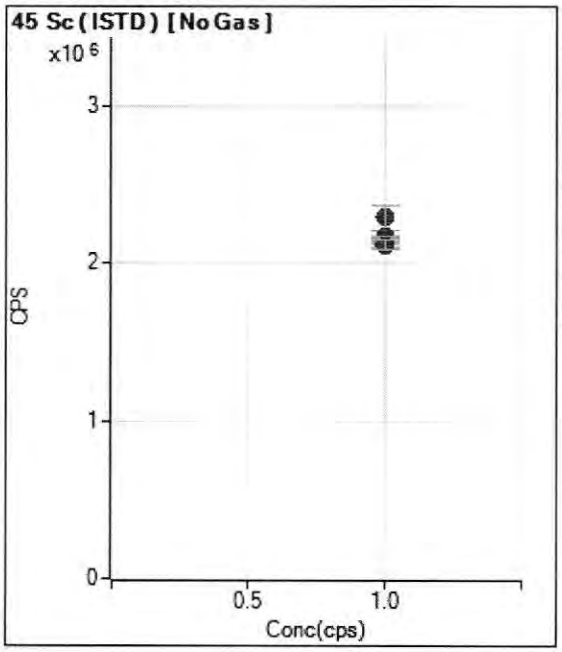
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371.11	0.0001	P	16.9
2	☐	1.000	0.978	42815.38	0.0160	P	2.6
3	☐	5.000	5.122	216605.60	0.0833	P	7.6
4	☐	25.000	24.617	1090055.47	0.3999	P	1.5
5	☐	50.000	50.586	2215663.45	0.8216	A	1.5
6	☐	100.000	99.797	4349818.17	1.6207	A	0.7

y = 0.0162 * x + 1.3611E-004
R = 1.0000
DL = 0.004242
BEC = 0.008382

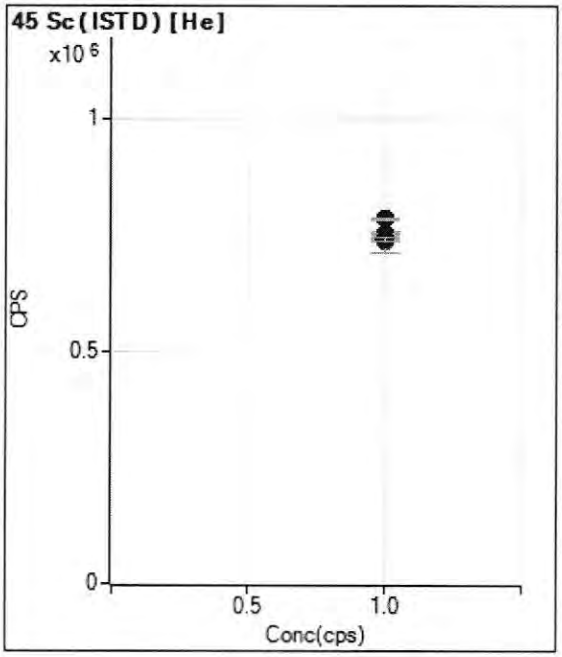
Weight: <None>
Min Conc: 0



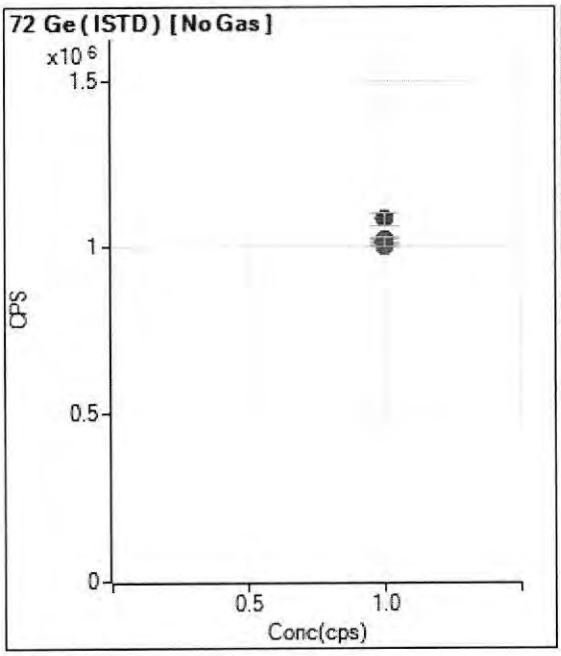
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1085284.05		A	5.0
2	☐	1.000		990129.68		A	0.3
3	☐	1.000		967208.13		A	1.5
4	☐	1.000		932988.42		A	1.6
5	☐	1.000		956600.28		A	0.8
6	☐	1.000		946528.57		A	0.7



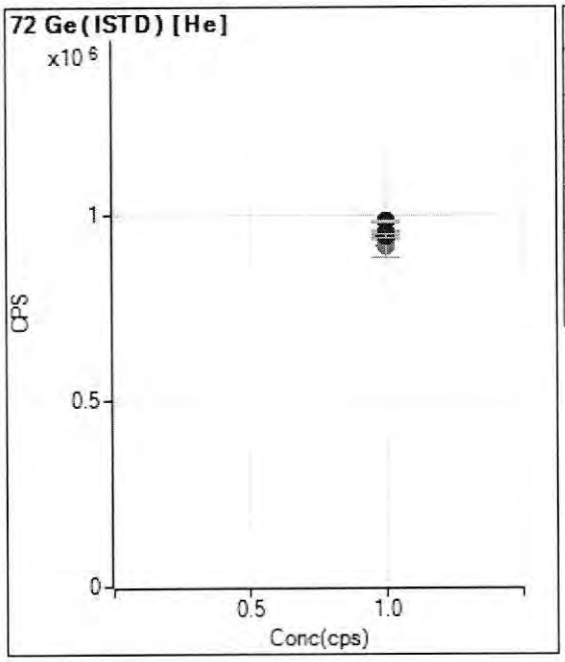
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2293476.50		A	6.6
2	☐	1.000		2110247.83		A	1.6
3	☐	1.000		2129338.83		A	0.7
4	☐	1.000		2122190.50		A	1.9
5	☐	1.000		2171954.08		A	0.5
6	☐	1.000		2120884.42		A	2.8



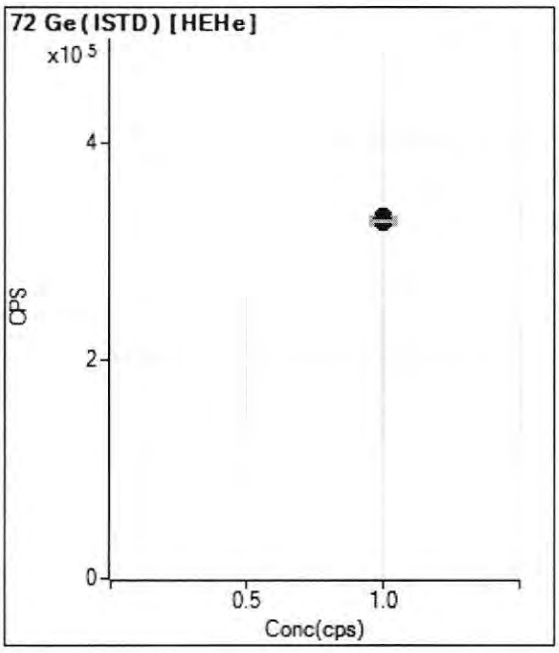
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		784019.05		P	0.4
2	☐	1.000		743771.81		P	1.3
3	☐	1.000		734477.49		M	6.0
4	☐	1.000		752706.64		P	0.3
5	☐	1.000		749359.29		P	0.3
6	☐	1.000		741630.09		P	1.1



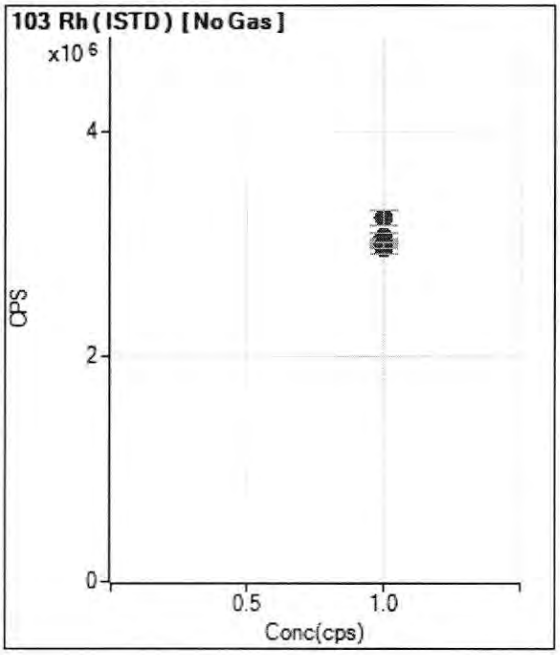
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1086130.33		A	3.5
2	☐	1.000		1002615.15		M	0.1
3	☐	1.000		1022642.66		A	1.9
4	☐	1.000		1012282.40		M	2.2
5	☐	1.000		1020155.94		M	2.3
6	☐	1.000		1013808.06		M	2.8



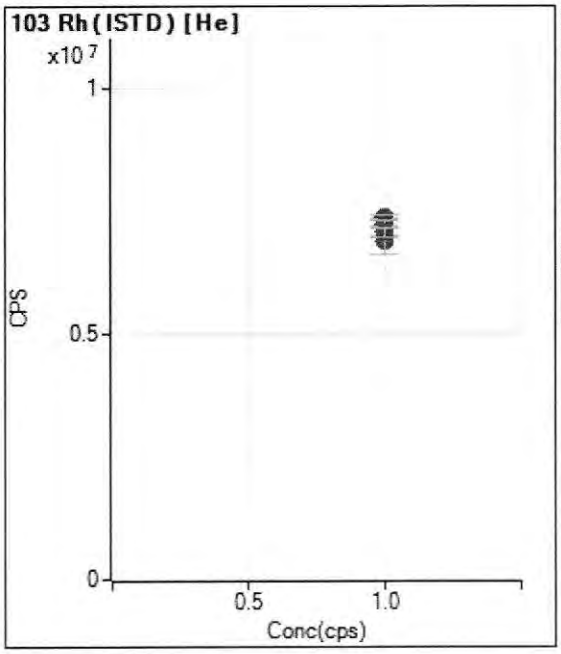
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		983515.31		P	0.4
2	☐	1.000		937700.87		P	1.2
3	☐	1.000		918822.19		M	7.5
4	☐	1.000		956449.16		P	0.6
5	☐	1.000		951184.89		P	0.4
6	☐	1.000		941958.22		P	1.1



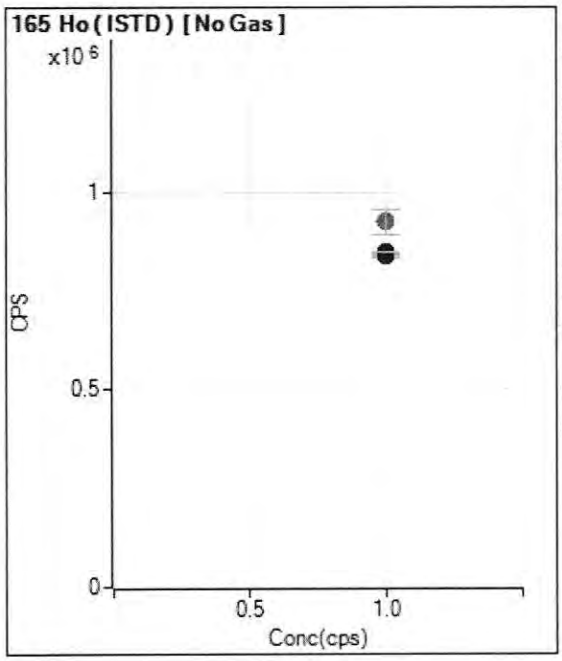
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		331705.15		P	0.7
2	☐	1.000		326999.34		P	1.1
3	☐	1.000		328206.42		P	1.1
4	☐	1.000		330617.26		P	1.3
5	☐	1.000		326372.28		P	1.4
6	☐	1.000		327757.96		P	0.4



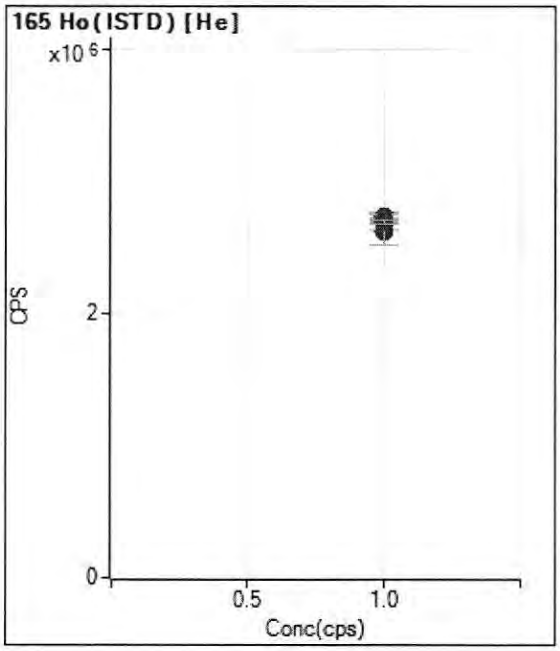
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3229327.25		A	4.1
2	☐	1.000		3072120.67		A	2.2
3	☐	1.000		3015803.00		A	2.3
4	☐	1.000		2990356.83		A	2.4
5	☐	1.000		2956034.92		A	2.8
6	☐	1.000		2988229.58		A	1.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7353607.48		A	1.0
2	☐	1.000		7059968.47		A	2.2
3	☐	1.000		6865111.54		A	8.3
4	☐	1.000		7176929.16		A	0.3
5	☐	1.000		7216228.60		A	1.5
6	☐	1.000		7048477.08		A	2.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		922946.35		M	6.8
2	☐	1.000		834582.81		P	1.0
3	☐	1.000		842856.06		P	0.3
4	☐	1.000		836332.00		P	0.4
5	☐	1.000		842840.69		P	0.6
6	☐	1.000		845973.58		P	0.5

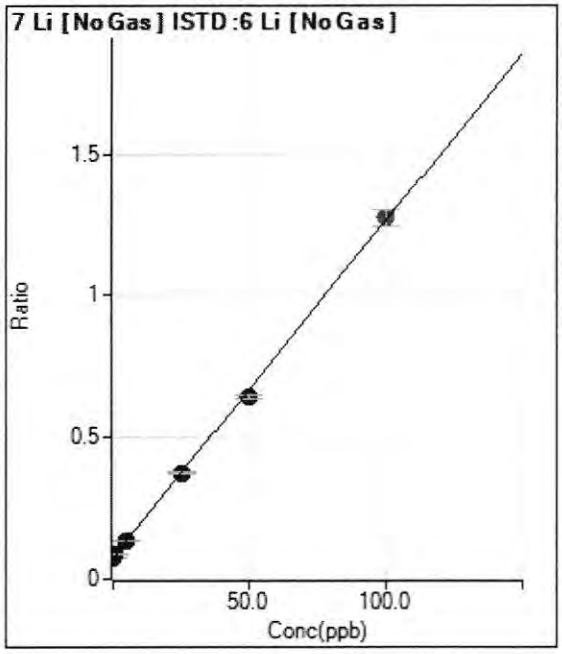


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2722413.50		A	2.4
2	☐	1.000		2674474.69		A	3.0
3	☐	1.000		2609703.30		A	7.5
4	☐	1.000		2726419.75		A	1.9
5	☐	1.000		2696928.71		A	0.9
6	☐	1.000		2684007.88		A	0.9

Calibration for 001CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\12212021.b\
Analysis File: 12212021.batch.bin
DA Date-Time: 2021-12-22 08:45:46
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

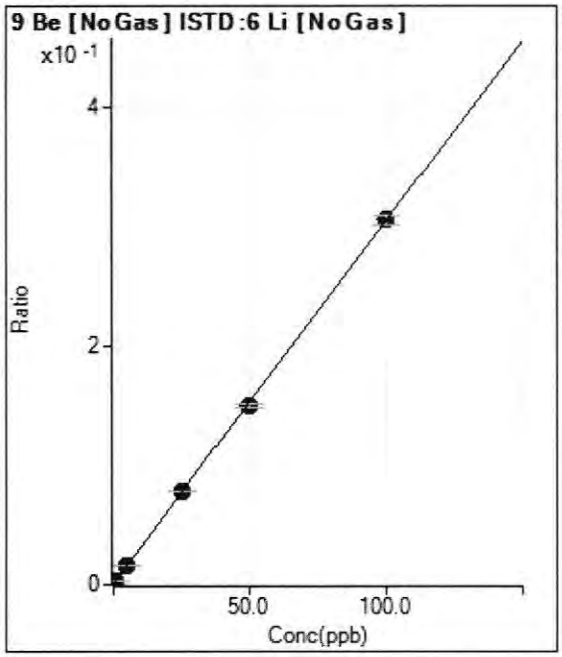
Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	Blank	2021-12-21 14:52:06
2	004CALS.d	1 ppb cal	2021-12-21 14:55:41
3	010CALS.d	5 ppb cal	2021-12-21 15:23:56
4	006CALS.d	25 ppb cal	2021-12-21 15:02:49
5	007CALS.d	50 ppb cal	2021-12-21 15:06:22
6	008CALS.d	100 ppb cal	2021-12-21 15:09:49



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57862.13	0.0737	P	1.1
2	☐	1.000	1.139	66937.87	0.0872	P	1.1
3	☐	5.000	5.134	105627.28	0.1346	P	1.8
4	☐	25.000	25.201	279938.02	0.3728	P	1.7
5	☐	50.000	47.826	497744.46	0.6414	P	2.3
6	☐	100.000	101.029	974137.53	1.2729	A	4.5

y = 0.0119 * x + 0.0737
R = 0.9996
DL = 0.2048
BEC = 6.206

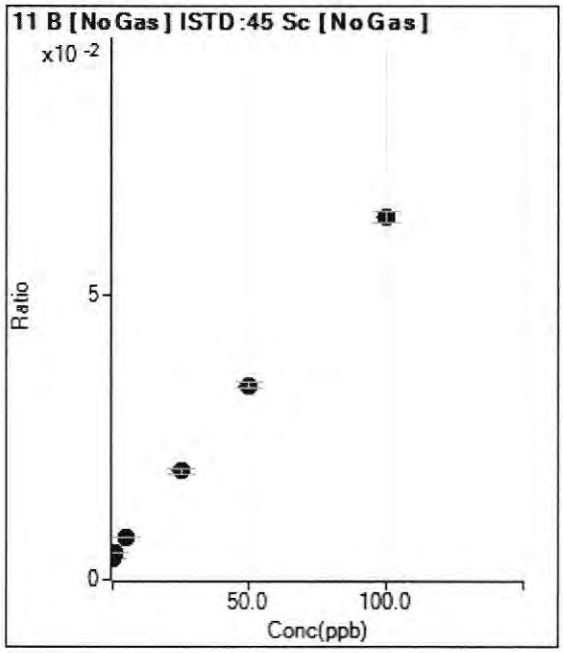
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	105.56	0.0001	P	19.6
2	☐	1.000	1.017	2481.34	0.0032	P	4.9
3	☐	5.000	5.250	12655.61	0.0161	P	4.1
4	☐	25.000	25.542	58549.56	0.0780	P	1.8
5	☐	50.000	48.876	115692.03	0.1491	P	2.4
6	☐	100.000	100.414	234362.85	0.3061	P	2.9

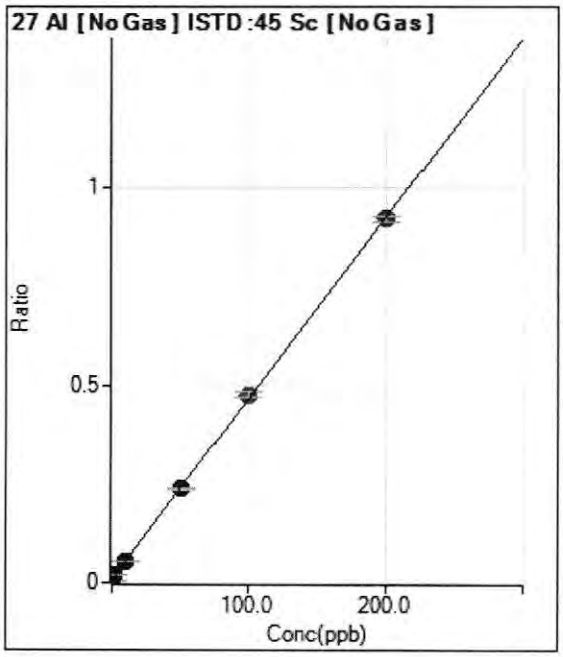
y = 0.0030 * x + 1.3412E-004
R = 0.9999
DL = 0.02588
BEC = 0.04401

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		8290.20	0.0038	P	2.0
2	☐	1.000		9832.30	0.0046	P	0.9
3	☐	5.000		16208.05	0.0074	P	3.4
4	☐	25.000		40677.44	0.0191	P	4.1
5	☐	50.000		73397.51	0.0342	P	2.6
6	☐	100.000		138492.22	0.0637	P	3.3

Excluded

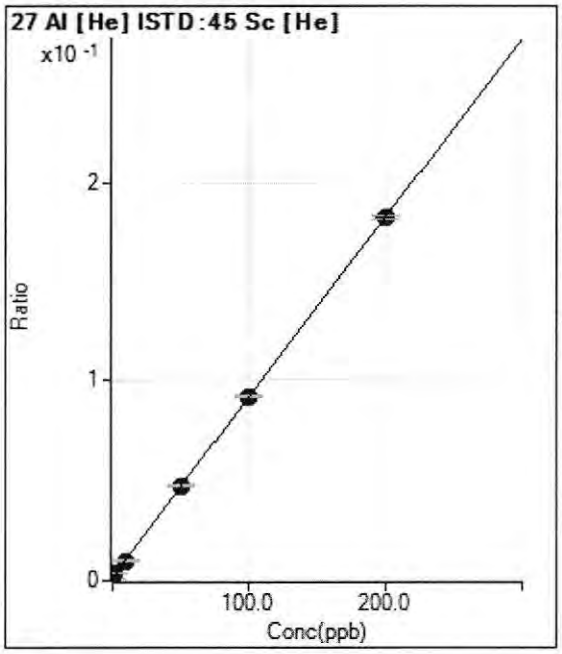


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.737	10094.74	0.0046	P	0.5
2	☐	2.000	2.123	37960.49	0.0178	P	1.5
3	☐	10.000	9.675	114550.85	0.0524	P	2.0
4	☐	50.000	50.059	506151.54	0.2377	P	0.7
5	☐	100.000	101.759	1018619.72	0.4748	A	3.0
6	☐	200.000	199.121	2004157.63	0.9215	A	1.5

y = 0.004587 * x + 0.008020
R = 0.9999
DL = 0.01484
BEC = 1.748

Weight: <None>
Min Conc: 0

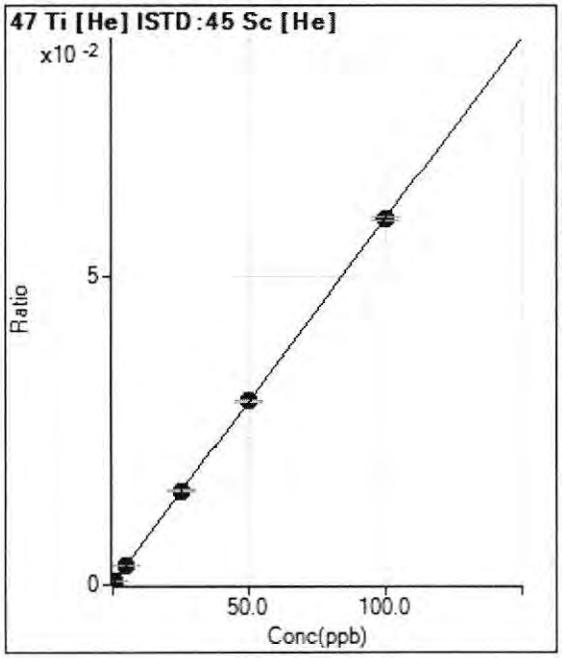
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.658	356.67	0.0008	P	4.4
2	☐	2.000	2.336	1514.54	0.0035	P	1.5
3	☐	10.000	9.586	4557.42	0.0101	P	3.6
4	☐	50.000	50.913	20442.47	0.0475	P	2.2
5	☐	100.000	100.067	39936.98	0.0920	P	1.3
6	☐	200.000	199.756	79107.36	0.1823	P	1.0

y = 9.052276E-004 * x + 0.001433
R = 1.0000
DL = 0.1234
BEC = 1.583

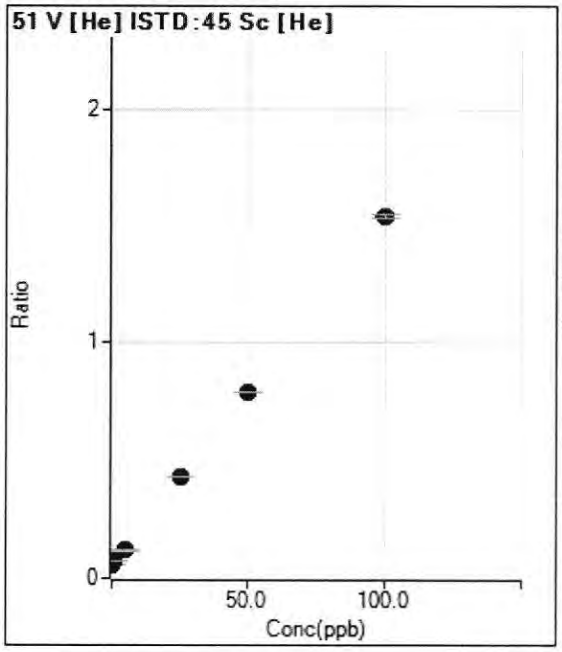
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	115.1
2	☐	1.000	0.996	261.11	0.0006	P	15.9
3	☐	5.000	5.179	1393.41	0.0031	P	2.8
4	☐	25.000	25.564	6527.10	0.0152	P	2.6
5	☐	50.000	50.022	12877.06	0.0297	P	1.2
6	☐	100.000	99.839	25693.51	0.0592	P	1.2

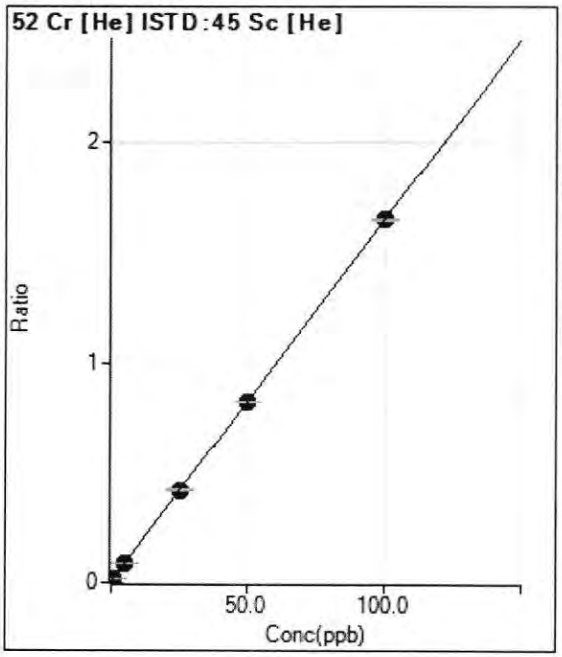
y = 5.9272E-004 * x + 2.0956E-005
R = 1.0000
DL = 0.1221
BEC = 0.03536

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		24545.95	0.0577	P	1.1
2	☐	1.000		30414.12	0.0713	P	1.2
3	☐	5.000		53268.61	0.1182	P	1.1
4	☐	25.000		185670.19	0.4316	P	0.2
5	☐	50.000		343965.96	0.7925	P	0.4
6	☐	100.000		667144.30	1.5371	P	1.0

Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.122	653.35	0.0015	P	4.2
2	☐	1.000	0.902	7856.68	0.0184	P	0.7
3	☐	5.000	4.923	38151.83	0.0846	P	0.6
4	☐	25.000	25.496	182187.17	0.4235	P	0.7
5	☐	50.000	49.841	357841.18	0.8245	P	0.5
6	☐	100.000	99.960	716195.44	1.6500	P	0.5

y = 0.016471 * x + 0.003548

R = 1.0000

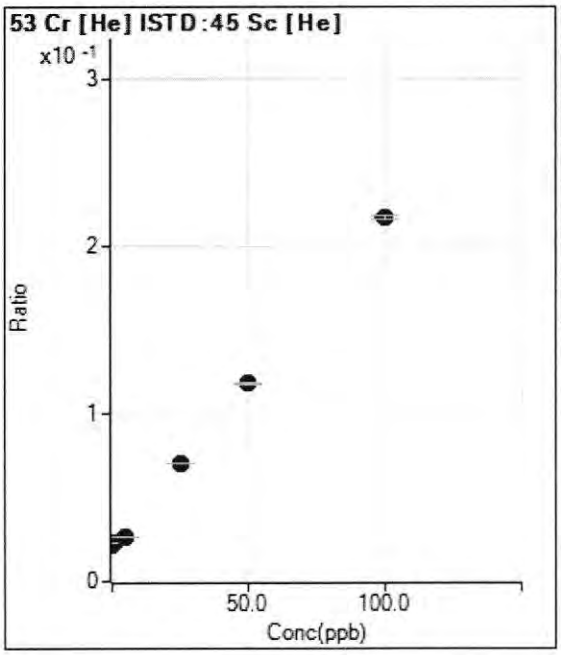
DL = 0.01162

BEC = 0.2154

Weight: <None>

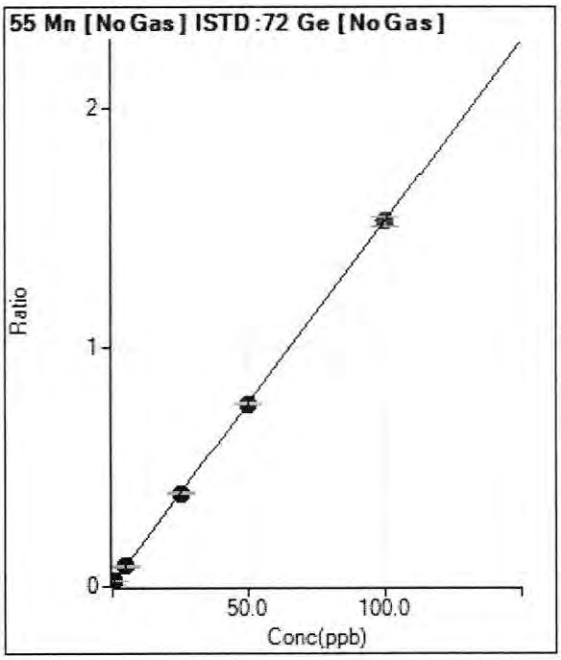
Min Conc: 0

Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		9297.57	0.0218	P	1.9
2	☐	1.000		9674.49	0.0227	P	1.3
3	☐	5.000		11796.15	0.0262	P	2.6
4	☐	25.000		30245.96	0.0703	P	0.6
5	☐	50.000		51091.75	0.1177	P	1.2
6	☐	100.000		93891.49	0.2163	P	1.1

Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8773.90	0.0077	P	1.5
2	☐	1.000	1.031	26164.49	0.0233	P	1.0
3	☐	5.000	5.123	98495.69	0.0856	P	1.8
4	☐	25.000	25.274	436290.05	0.3921	P	1.8
5	☐	50.000	49.650	854550.85	0.7629	P	1.0
6	☐	100.000	100.100	1725607.67	1.5303	A	2.8

y = 0.0152 * x + 0.0077

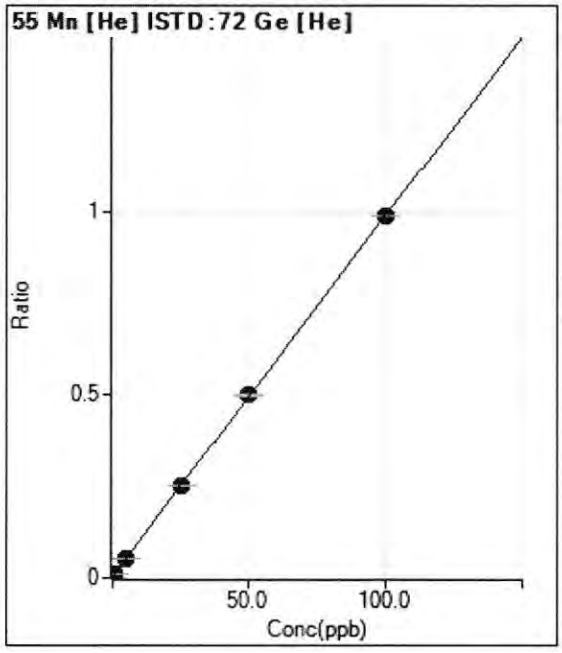
R = 1.0000

DL = 0.02213

BEC = 0.5036

Weight: <None>

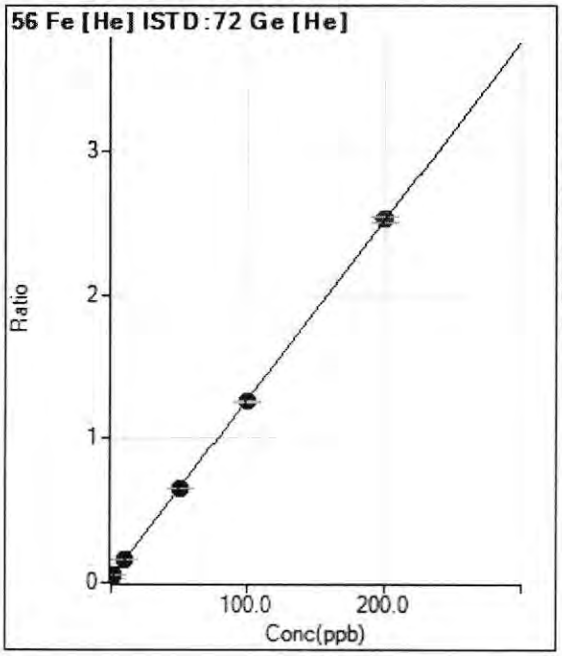
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	844.47	0.0015	P	8.1
2	☐	1.000	1.031	6762.78	0.0116	P	1.7
3	☐	5.000	5.219	32274.97	0.0530	P	1.9
4	☐	25.000	25.317	149181.63	0.2517	P	0.6
5	☐	50.000	50.428	296639.35	0.5000	P	0.6
6	☐	100.000	99.695	591068.31	0.9870	P	0.2

y = 0.0099 * x + 0.0015
R = 1.0000
DL = 0.03593
BEC = 0.1476

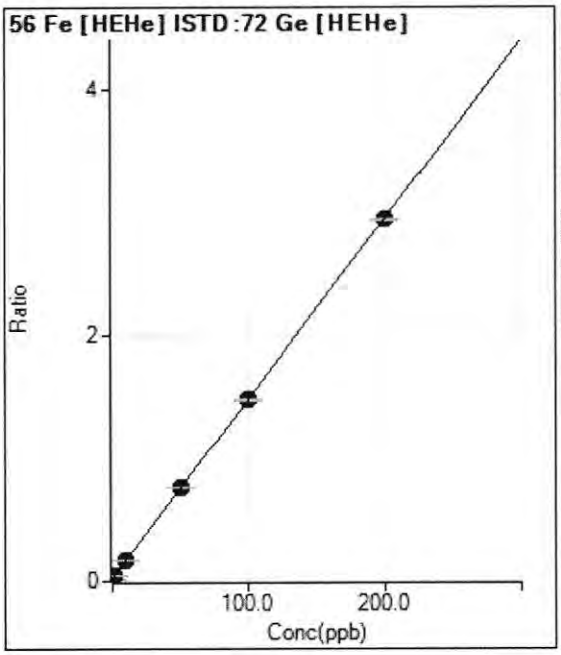
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.038	16873.56	0.0291	P	0.6
2	☐	2.000	2.158	32268.37	0.0556	P	1.3
3	☐	10.000	10.460	96759.34	0.1590	P	1.1
4	☐	50.000	50.208	387834.35	0.6545	P	0.4
5	☐	100.000	98.425	744868.06	1.2555	P	0.5
6	☐	200.000	200.711	1515104.28	2.5304	A	1.5

y = 0.012464 * x + 0.028669
R = 0.9999
DL = 0.04411
BEC = 2.3

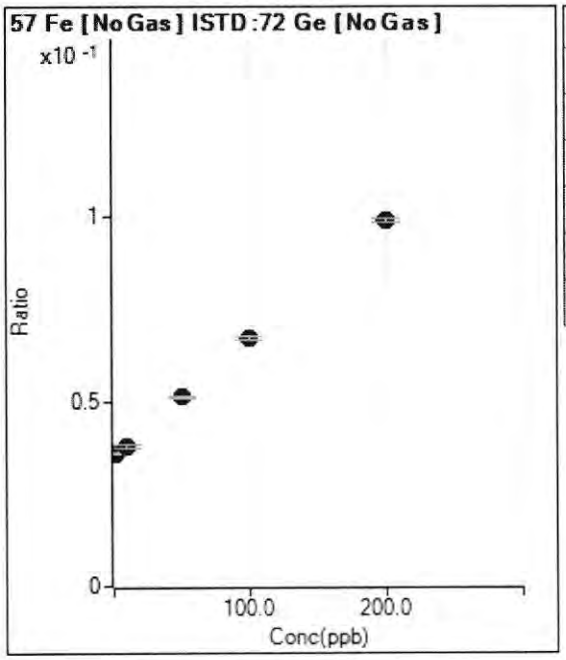
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2643.62	0.0131	P	4.7
2	☐	2.000	2.154	9110.85	0.0447	P	3.0
3	☐	10.000	10.574	36086.53	0.1680	P	1.1
4	☐	50.000	50.870	159387.64	0.7581	P	0.4
5	☐	100.000	100.023	312618.20	1.4780	P	0.9
6	☐	200.000	199.741	629561.61	2.9384	P	0.2

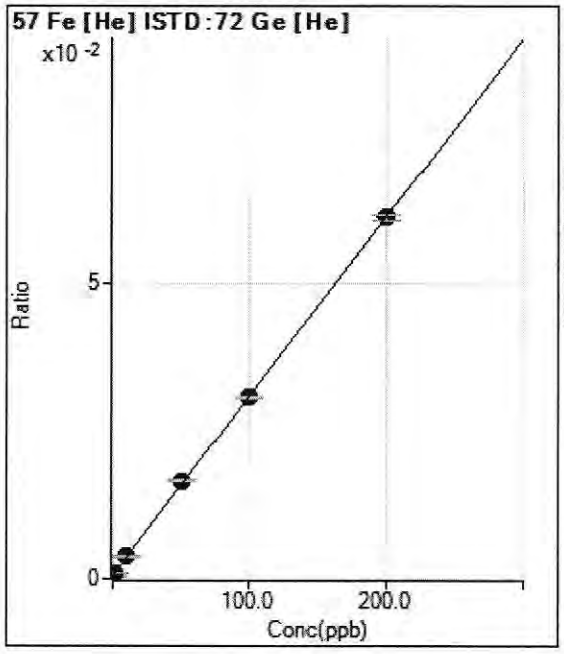
y = 0.0146 * x + 0.0131
R = 1.0000
DL = 0.1254
BEC = 0.8961

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000		40703.57	0.0355	P	2.2
2	☐	2.000		40172.09	0.0358	P	1.0
3	☐	10.000		43567.79	0.0379	P	2.2
4	☐	50.000		57114.03	0.0513	P	0.9
5	☐	100.000		75270.61	0.0672	P	1.4
6	☐	200.000		111658.51	0.0990	P	1.1

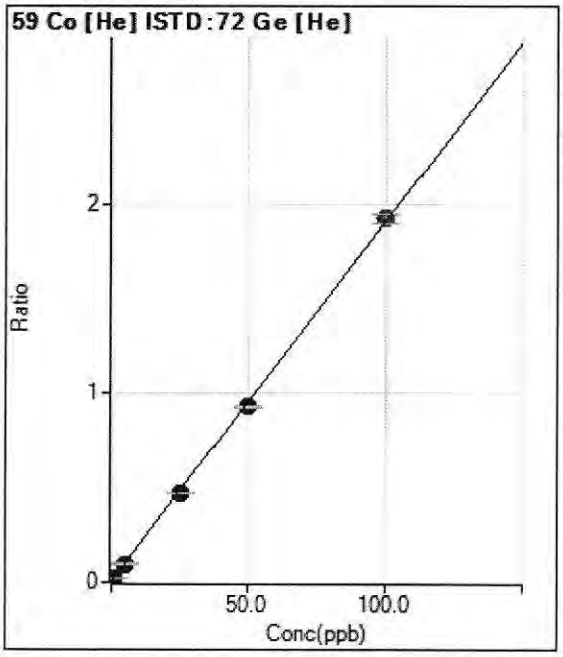
Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	303.34	0.0005	P	14.3
2	☐	2.000	1.840	630.02	0.0011	P	3.7
3	☐	10.000	10.846	2332.43	0.0038	P	5.1
4	☐	50.000	52.821	9862.40	0.0166	P	1.9
5	☐	100.000	99.236	18277.55	0.0308	P	0.6
6	☐	200.000	199.636	36793.94	0.0614	P	1.4

y = 3.0516E-004 * x + 5.2367E-004
R = 0.9999
DL = 0.7352
BEC = 1.716

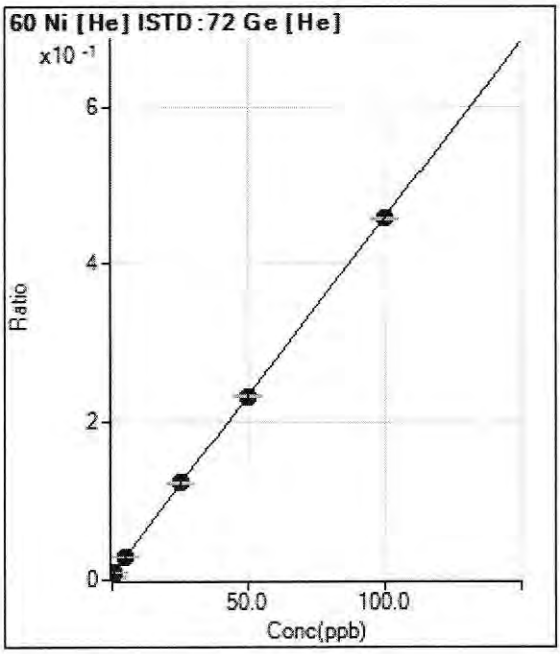
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	73.33	0.0001	P	22.2
2	☐	1.000	1.009	11244.59	0.0194	P	1.1
3	☐	5.000	5.046	58598.10	0.0963	P	1.2
4	☐	25.000	24.509	276950.77	0.4673	P	0.6
5	☐	50.000	48.475	548337.67	0.9242	P	0.4
6	☐	100.000	100.883	1151635.48	1.9233	A	2.6

y = 0.0191 * x + 1.2656E-004
R = 0.9998
DL = 0.004414
BEC = 0.006639

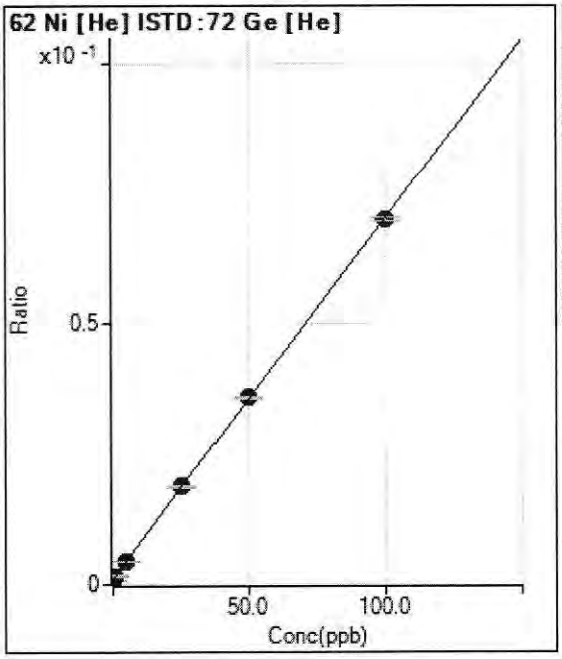
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.573	2137.95	0.0037	P	5.3
2	☐	1.000	0.918	6058.01	0.0104	P	1.9
3	☐	5.000	5.204	18135.18	0.0298	P	2.0
4	☐	25.000	25.731	72655.00	0.1226	P	0.2
5	☐	50.000	49.825	137362.81	0.2315	P	0.5
6	☐	100.000	99.896	274175.09	0.4579	P	0.6

y = 0.004521 * x + 0.006284
R = 0.9999
DL = 0.1308
BEC = 1.39

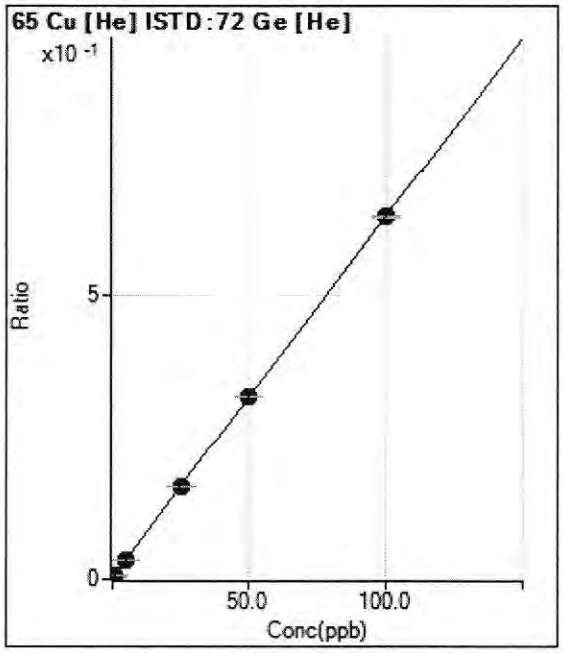
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.598	370.01	0.0006	P	20.7
2	☐	1.000	0.843	948.93	0.0016	P	6.8
3	☐	5.000	5.013	2748.06	0.0045	P	4.7
4	☐	25.000	25.786	11184.52	0.0189	P	2.1
5	☐	50.000	50.302	21251.84	0.0358	P	1.2
6	☐	100.000	99.653	41872.84	0.0699	P	1.0

y = 6.911848E-004 * x + 0.001052
R = 0.9999
DL = 0.5748
BEC = 1.521

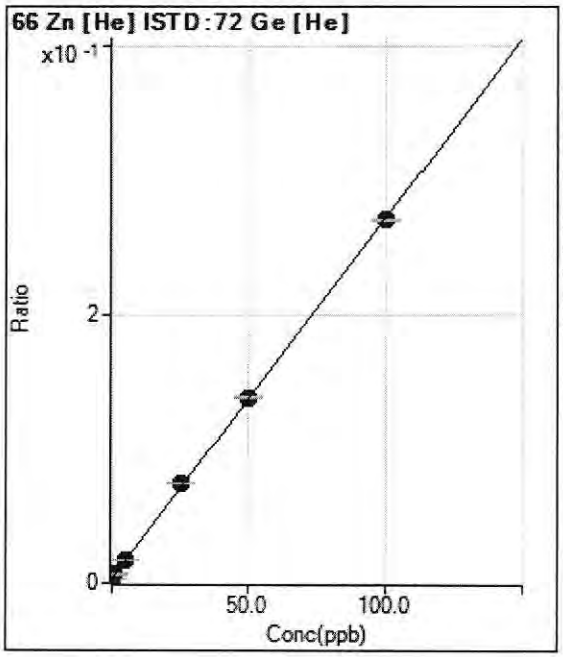
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1340.07	0.0023	P	5.7
2	☐	1.000	0.885	4599.67	0.0079	P	4.5
3	☐	5.000	4.945	20470.65	0.0336	P	0.5
4	☐	25.000	25.280	96305.80	0.1625	P	0.4
5	☐	50.000	50.060	189585.63	0.3195	P	0.6
6	☐	100.000	99.904	380477.10	0.6354	P	0.7

y = 0.0063 * x + 0.0023
R = 1.0000
DL = 0.06213
BEC = 0.3652

Weight: <None>
Min Conc: 0

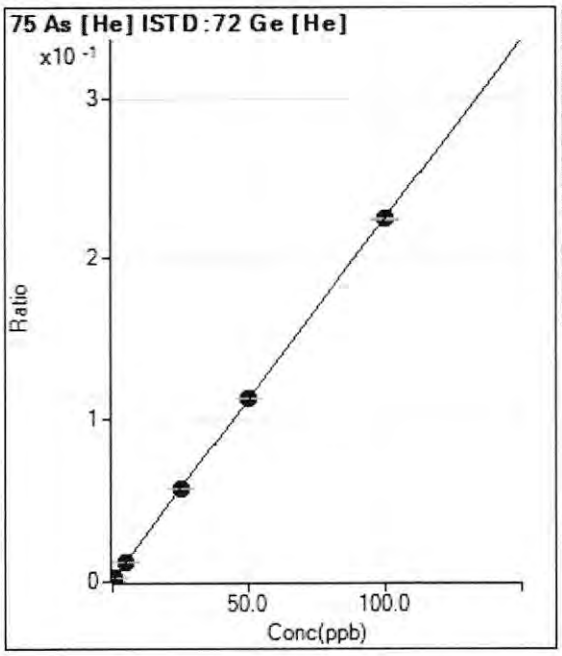


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1780.13	0.0031	P	4.3
2	☐	1.000	1.258	3749.42	0.0065	P	6.7
3	☐	5.000	5.250	10456.20	0.0172	P	1.9
4	☐	25.000	26.518	44065.25	0.0744	P	0.9
5	☐	50.000	50.134	81786.06	0.1378	P	0.9
6	☐	100.000	99.538	162071.09	0.2707	P	0.5

y = 0.0027 * x + 0.0031
R = 0.9999
DL = 0.1464
BEC = 1.144

Weight: <None>
Min Conc: 0

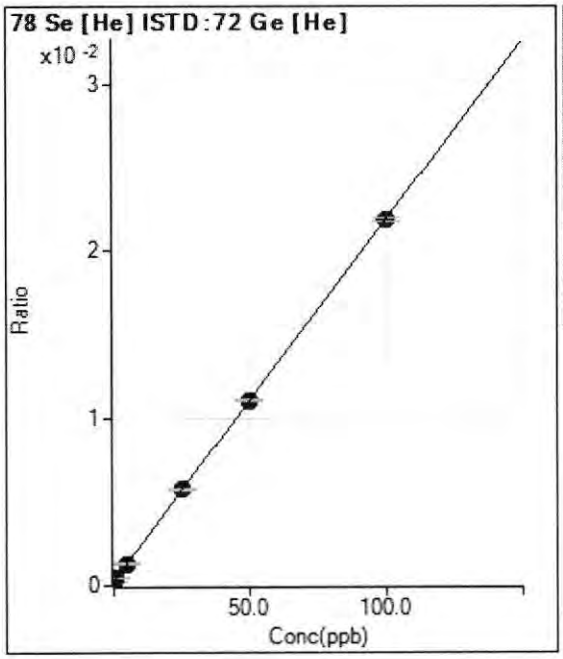
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.33	0.0004	P	5.0
2	☐	1.000	1.028	1546.42	0.0027	P	2.9
3	☐	5.000	5.110	7192.21	0.0118	P	2.4
4	☐	25.000	25.404	33989.97	0.0574	P	0.7
5	☐	50.000	50.038	66823.96	0.1126	P	0.1
6	☐	100.000	99.874	134400.66	0.2245	P	0.6

y = 0.0022 * x + 3.5634E-004
R = 1.0000
DL = 0.02395
BEC = 0.1588

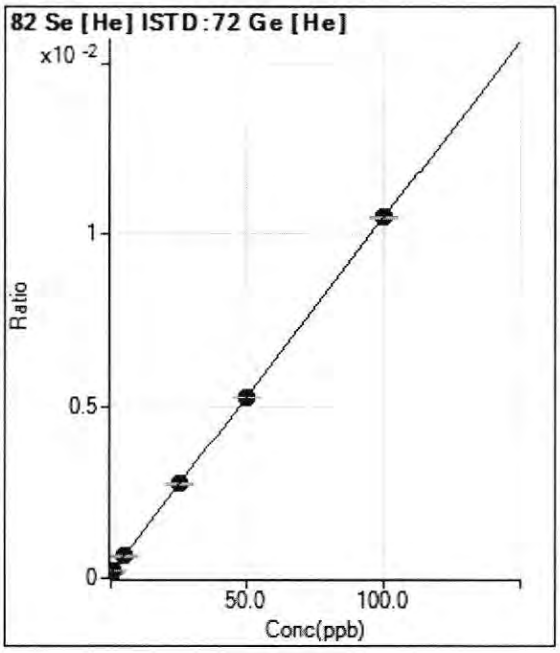
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	126.33	0.0002	P	1.4
2	☐	1.000	1.011	254.00	0.0004	P	6.9
3	☐	5.000	5.066	801.02	0.0013	P	5.6
4	☐	25.000	25.473	3402.09	0.0057	P	2.1
5	☐	50.000	50.008	6561.90	0.0111	P	1.0
6	☐	100.000	99.874	13096.21	0.0219	P	1.1

y = 2.1680E-004 * x + 2.1821E-004
R = 1.0000
DL = 0.04307
BEC = 1.007

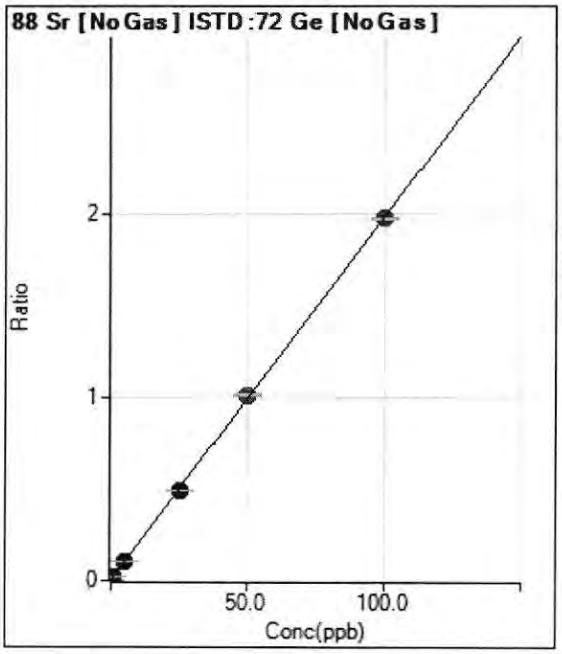
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.67	0.0001	P	21.7
2	☐	1.000	1.000	133.00	0.0002	P	12.1
3	☐	5.000	5.030	393.34	0.0006	P	4.5
4	☐	25.000	25.352	1630.43	0.0028	P	1.9
5	☐	50.000	49.888	3140.03	0.0053	P	0.4
6	☐	100.000	99.967	6275.44	0.0105	P	0.5

y = 1.0357E-004 * x + 1.2550E-004
R = 1.0000
DL = 0.7893
BEC = 1.212

Weight: <None>
Min Conc: 0

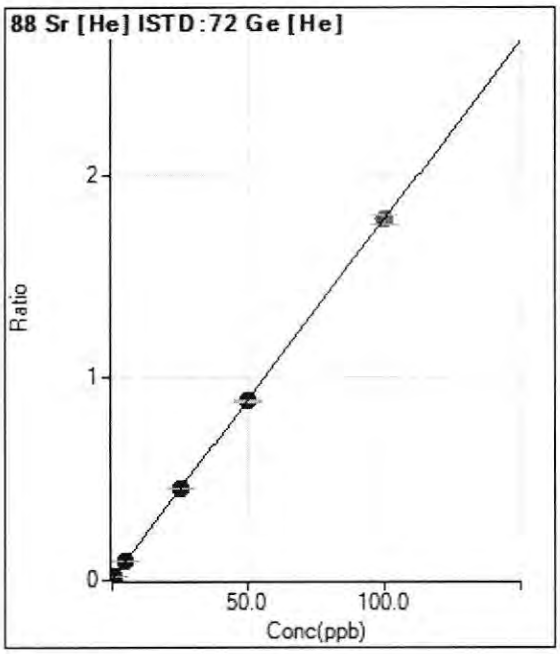


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	690.02	0.0006	P	8.2
2	☐	1.000	1.001	22930.34	0.0205	P	2.3
3	☐	5.000	5.043	115780.50	0.1006	P	2.1
4	☐	25.000	24.748	546745.50	0.4913	P	0.3
5	☐	50.000	50.781	1128576.34	1.0075	A	1.3
6	☐	100.000	99.670	2229172.76	1.9769	A	0.2

y = 0.0198 * x + 6.0187E-004
R = 1.0000
DL = 0.007431
BEC = 0.03035

Weight: <None>
Min Conc: 0

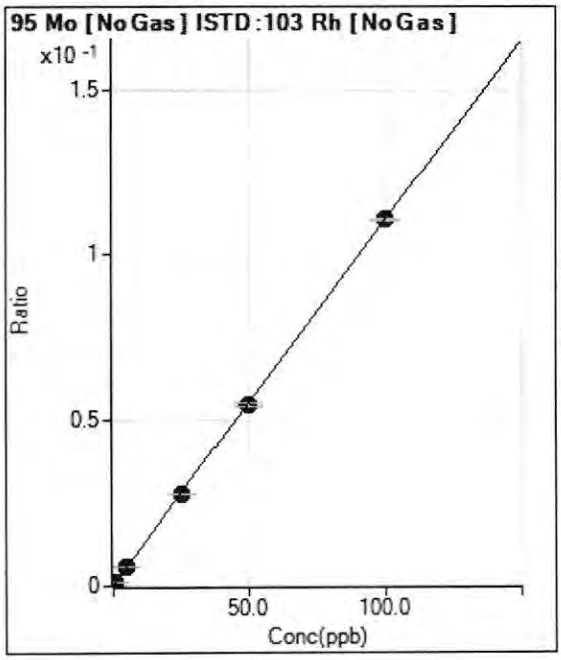
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.45	0.0006	P	2.6
2	☐	1.000	1.015	10837.66	0.0187	P	0.6
3	☐	5.000	5.129	55936.05	0.0919	P	1.0
4	☐	25.000	25.271	267052.43	0.4506	P	0.6
5	☐	50.000	49.691	525401.82	0.8855	P	0.8
6	☐	100.000	100.080	1067923.08	1.7829	M	2.6

y = 0.0178 * x + 5.9494E-004
R = 1.0000
DL = 0.002626
BEC = 0.03341

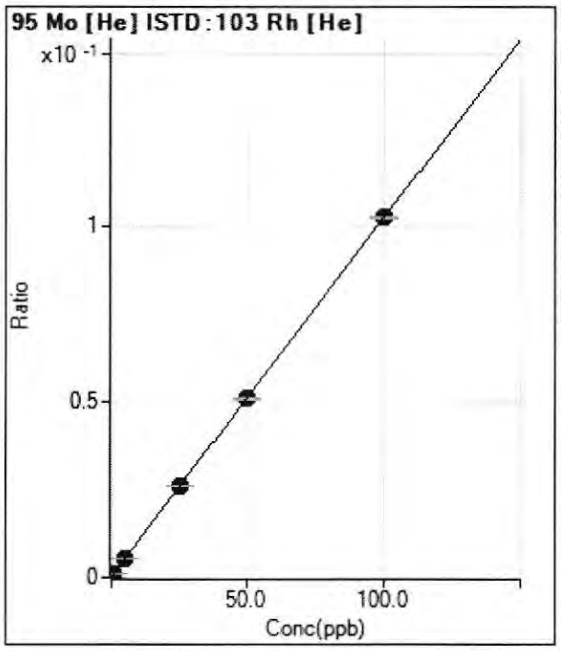
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0000	P	20.2
2	☐	1.000	0.994	3987.27	0.0011	P	1.0
3	☐	5.000	5.225	20634.56	0.0058	P	2.3
4	☐	25.000	24.946	96014.01	0.0276	P	0.8
5	☐	50.000	49.456	193093.11	0.0546	P	1.9
6	☐	100.000	100.275	388258.47	0.1106	P	0.8

y = 0.0011 * x + 3.6445E-005
R = 1.0000
DL = 0.02003
BEC = 0.03304

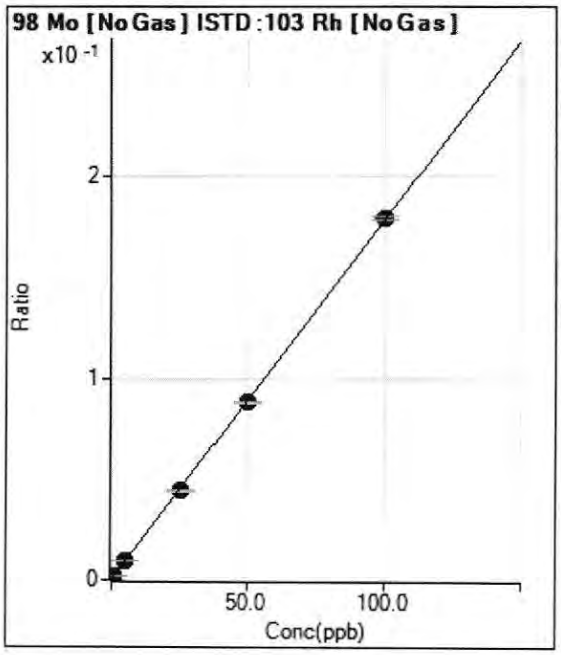
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	3.7
2	☐	1.000	1.016	4759.75	0.0011	P	7.3
3	☐	5.000	5.133	24779.22	0.0053	P	2.0
4	☐	25.000	25.246	115783.40	0.0260	P	0.2
5	☐	50.000	49.770	230574.45	0.0511	P	1.0
6	☐	100.000	100.047	464379.04	0.1028	P	0.8

y = 0.0010 * x + 3.2182E-005
R = 1.0000
DL = 0.003525
BEC = 0.03134

Weight: <None>
Min Conc: 0

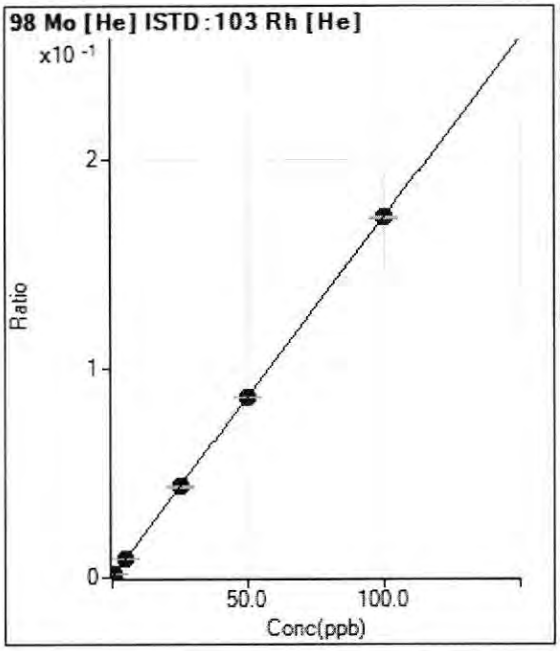


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.88	0.0001	P	31.0
2	☐	1.000	1.014	6552.16	0.0019	P	1.8
3	☐	5.000	5.248	33513.68	0.0094	P	1.3
4	☐	25.000	24.902	155087.56	0.0445	P	1.7
5	☐	50.000	49.333	311725.37	0.0881	P	1.5
6	☐	100.000	100.345	628793.96	0.1792	P	1.2

y = 0.0018 * x + 5.1665E-005
R = 1.0000
DL = 0.02688
BEC = 0.02894

Weight: <None>
Min Conc: 0

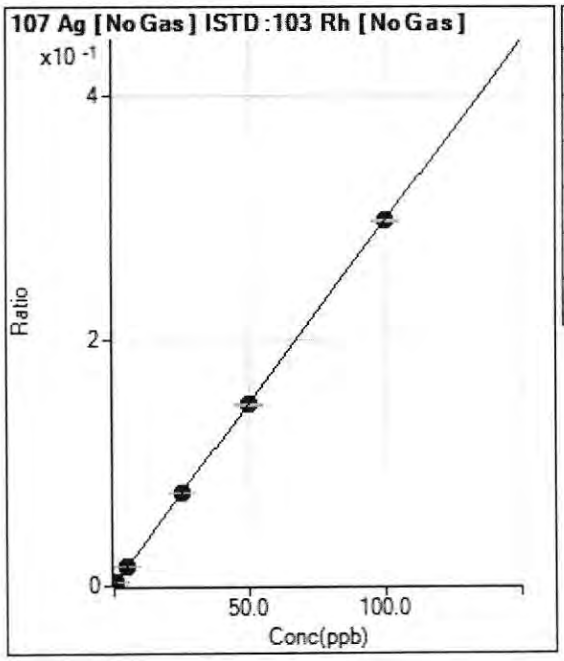
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	222.23	0.0000	P	3.9
2	☐	1.000	0.989	7768.92	0.0018	P	1.9
3	☐	5.000	5.137	41610.15	0.0089	P	0.5
4	☐	25.000	25.251	194360.18	0.0436	P	0.8
5	☐	50.000	49.871	387789.72	0.0860	P	0.2
6	☐	100.000	99.995	779043.37	0.1724	P	0.6

y = 0.0017 * x + 4.9901E-005
R = 1.0000
DL = 0.003374
BEC = 0.02895

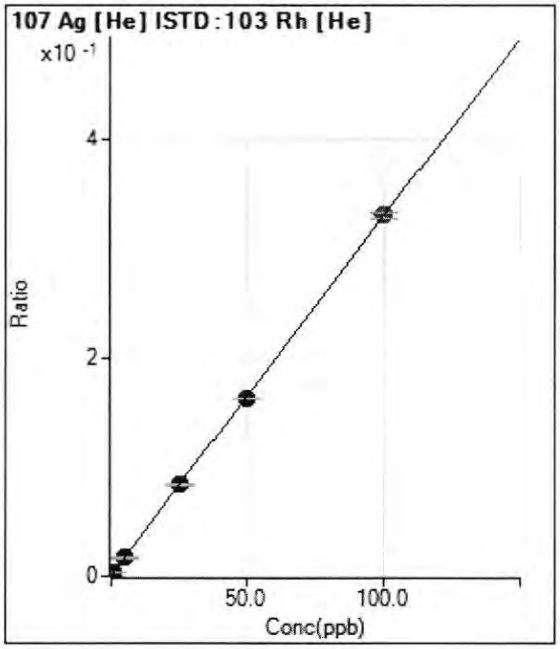
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	98.89	0.0000	P	9.5
2	☐	1.000	1.008	10621.99	0.0030	P	2.3
3	☐	5.000	5.182	54785.01	0.0154	P	1.1
4	☐	25.000	25.462	263319.95	0.0756	P	0.8
5	☐	50.000	49.647	521110.20	0.1473	P	0.6
6	☐	100.000	100.052	1041711.28	0.2968	P	0.8

y = 0.0030 * x + 2.7713E-005
R = 1.0000
DL = 0.002665
BEC = 0.009342

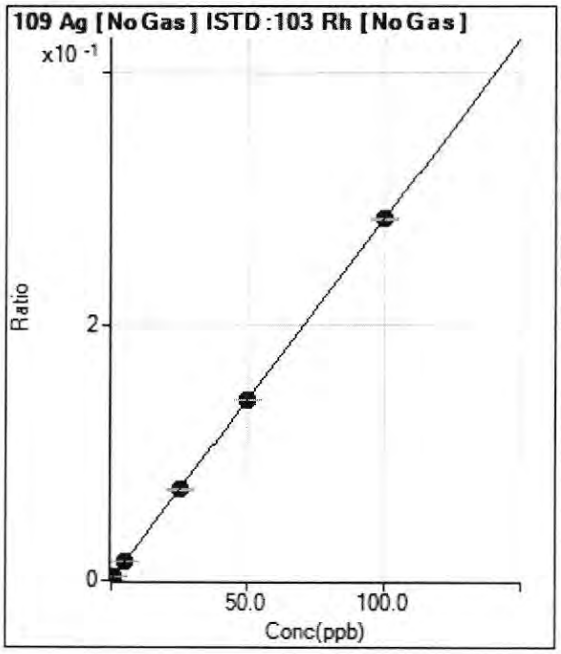
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0000	P	27.2
2	☐	1.000	1.006	14764.78	0.0033	P	2.7
3	☐	5.000	5.043	77648.34	0.0166	P	0.8
4	☐	25.000	25.294	371327.36	0.0833	P	1.0
5	☐	50.000	49.498	734391.15	0.1629	P	0.5
6	☐	100.000	100.175	1489579.28	0.3297	A	1.7

y = 0.0033 * x + 2.2727E-005
R = 1.0000
DL = 0.005641
BEC = 0.006906

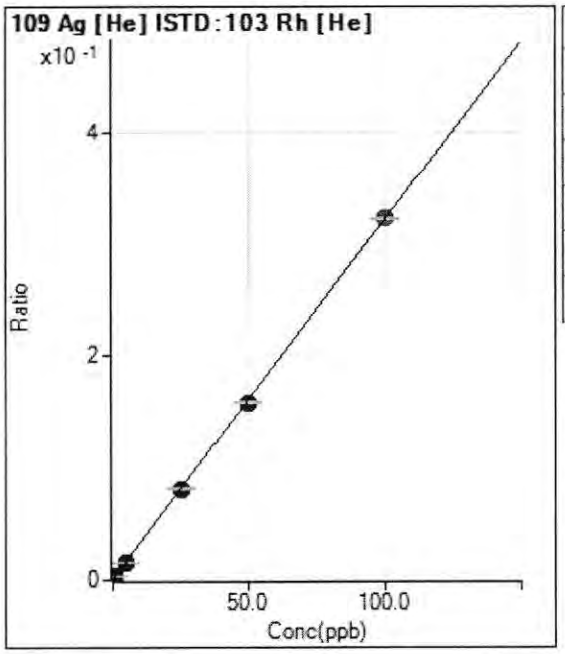
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	93.33	0.0000	P	20.4
2	☐	1.000	1.004	10151.63	0.0029	P	1.1
3	☐	5.000	5.151	52245.10	0.0147	P	0.7
4	☐	25.000	25.327	251276.19	0.0721	P	1.5
5	☐	50.000	49.818	501667.76	0.1418	P	0.6
6	☐	100.000	100.002	998895.52	0.2846	P	0.4

y = 0.0028 * x + 2.6177E-005
R = 1.0000
DL = 0.00564
BEC = 0.009198

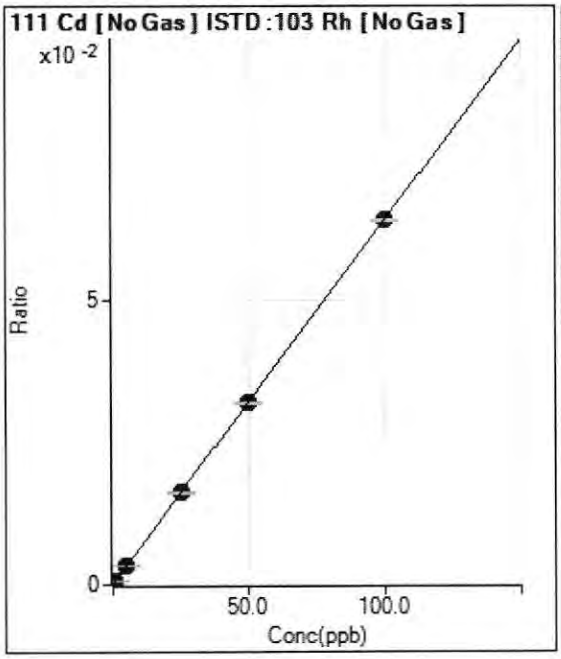
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	76.67	0.0000	P	24.7
2	☐	1.000	0.997	14280.92	0.0032	P	0.6
3	☐	5.000	4.992	75094.12	0.0161	P	0.7
4	☐	25.000	25.228	361951.47	0.0812	P	0.4
5	☐	50.000	49.186	713220.96	0.1582	P	0.8
6	☐	100.000	100.350	1458195.78	0.3228	A	0.8

y = 0.0032 * x + 1.7228E-005
R = 0.9999
DL = 0.003964
BEC = 0.005357

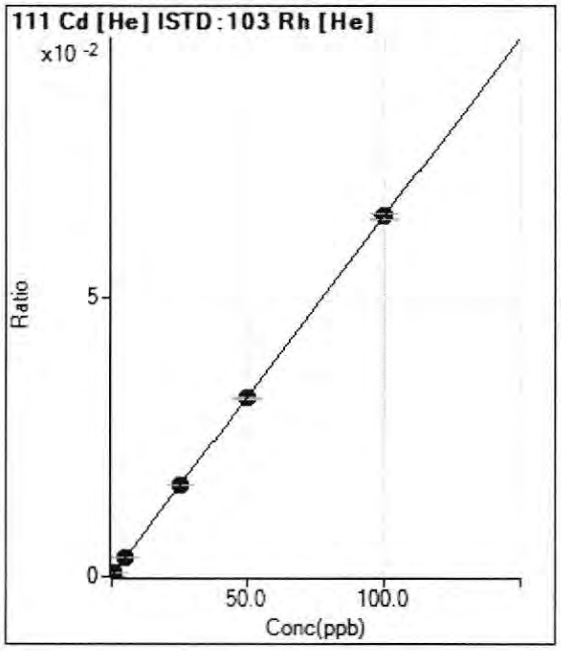
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-20.46	0.0000	P	-21.2
2	☐	1.000	0.993	2226.81	0.0006	P	4.6
3	☐	5.000	5.264	12013.22	0.0034	P	2.3
4	☐	25.000	25.293	56625.38	0.0162	P	1.6
5	☐	50.000	49.636	112828.25	0.0319	P	1.0
6	☐	100.000	100.096	225724.29	0.0643	P	0.8

y = 6.4268E-004 * x - 5.7151E-006
R = 1.0000
DL = 0.005663
BEC = -0.008893

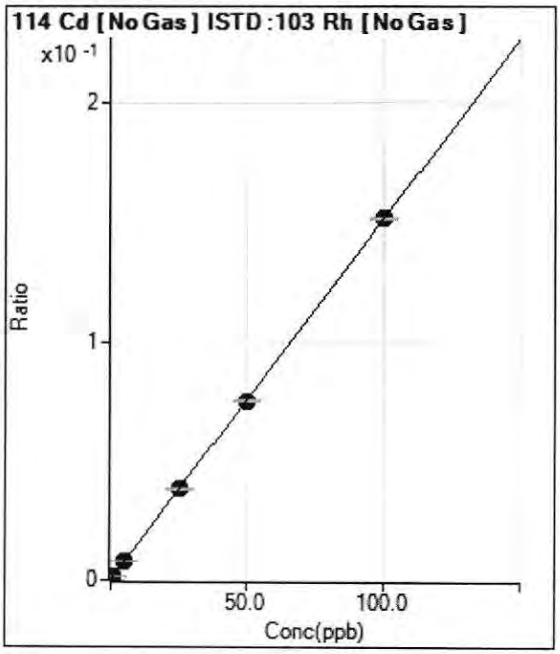
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9.00	0.0000	P	55.4
2	☐	1.000	1.046	2992.67	0.0007	P	2.9
3	☐	5.000	5.087	15328.36	0.0033	P	0.7
4	☐	25.000	25.441	73136.12	0.0164	P	0.3
5	☐	50.000	49.768	144602.96	0.0321	P	1.0
6	☐	100.000	100.001	291204.39	0.0645	P	1.3

y = 6.4448E-004 * x + 2.0210E-006
R = 1.0000
DL = 0.00521
BEC = 0.003136

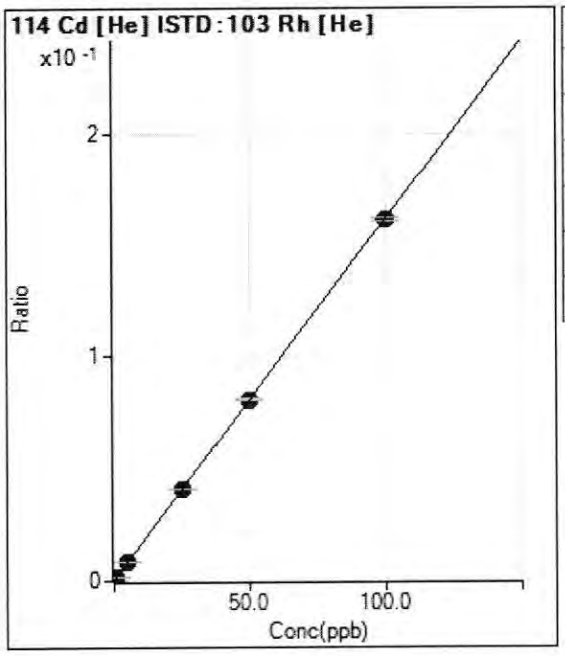
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.50	0.0000	P	53.6
2	☐	1.000	1.036	5559.01	0.0016	P	2.5
3	☐	5.000	5.158	27840.35	0.0078	P	1.5
4	☐	25.000	25.361	133973.72	0.0384	P	1.4
5	☐	50.000	49.538	265628.75	0.0751	P	0.6
6	☐	100.000	100.132	532566.96	0.1518	P	0.8

y = 0.0015 * x + 9.3249E-006
R = 1.0000
DL = 0.009896
BEC = 0.006153

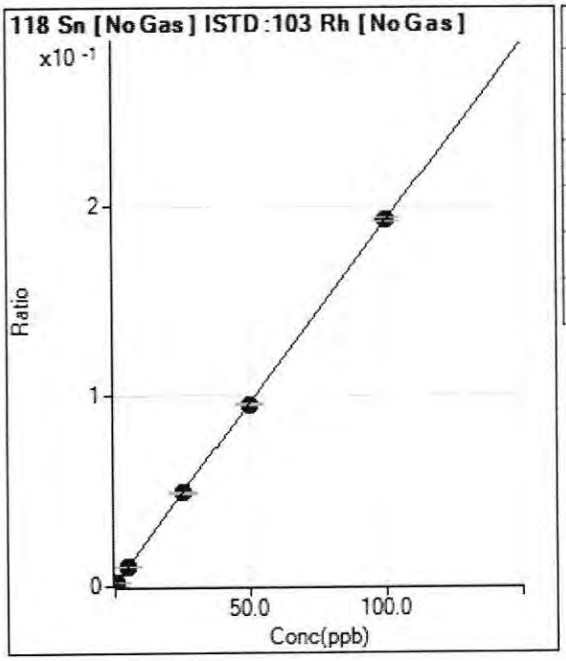
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49.33	0.0000	P	24.6
2	☐	1.000	1.028	7384.69	0.0017	P	1.6
3	☐	5.000	5.115	38572.60	0.0083	P	1.0
4	☐	25.000	25.476	183195.01	0.0411	P	0.6
5	☐	50.000	49.990	363303.62	0.0806	P	0.7
6	☐	100.000	99.880	727469.56	0.1610	P	1.2

y = 0.0016 * x + 1.1085E-005
R = 1.0000
DL = 0.005072
BEC = 0.006877

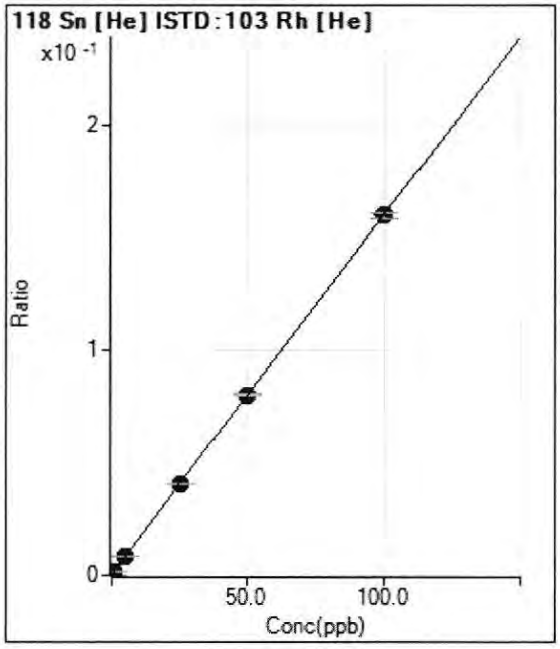
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1037.82	0.0003	P	2.3
2	☐	1.000	1.038	8025.77	0.0023	P	3.3
3	☐	5.000	5.208	36548.56	0.0103	P	1.1
4	☐	25.000	25.170	169161.41	0.0485	P	1.3
5	☐	50.000	49.430	336245.99	0.0950	P	1.0
6	☐	100.000	100.232	675317.35	0.1924	P	1.0

y = 0.0019 * x + 2.9059E-004
R = 1.0000
DL = 0.01062
BEC = 0.1516

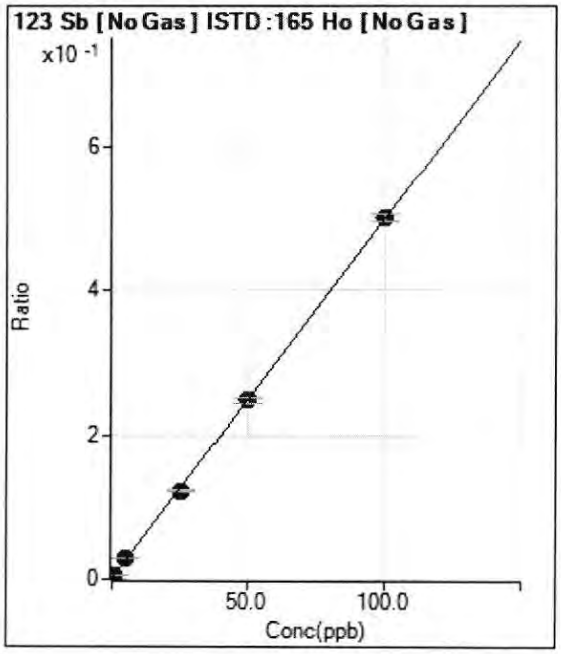
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1076.72	0.0002	P	9.1
2	☐	1.000	1.035	8388.21	0.0019	P	2.0
3	☐	5.000	5.179	39762.04	0.0085	P	0.5
4	☐	25.000	25.311	181293.14	0.0406	P	0.6
5	☐	50.000	49.956	360609.77	0.0800	P	0.5
6	☐	100.000	99.935	721926.52	0.1598	P	1.2

y = 0.0016 * x + 2.4175E-004
R = 1.0000
DL = 0.04146
BEC = 0.1514

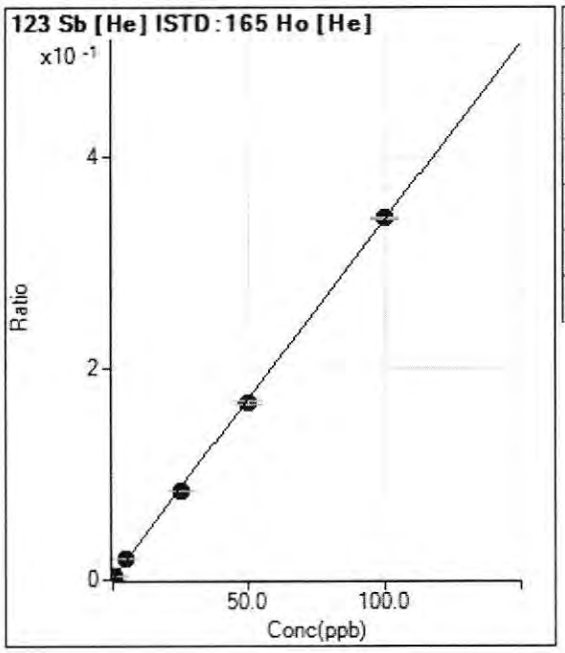
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1480.09	0.0012	P	5.1
2	☐	1.000	0.971	7558.87	0.0060	P	1.7
3	☐	5.000	5.700	37960.44	0.0295	P	3.6
4	☐	25.000	24.500	154636.13	0.1230	P	2.4
5	☐	50.000	49.614	315685.80	0.2479	P	2.5
6	☐	100.000	100.283	641626.09	0.4999	P	2.2

y = 0.0050 * x + 0.0012
R = 0.9999
DL = 0.03557
BEC = 0.2328

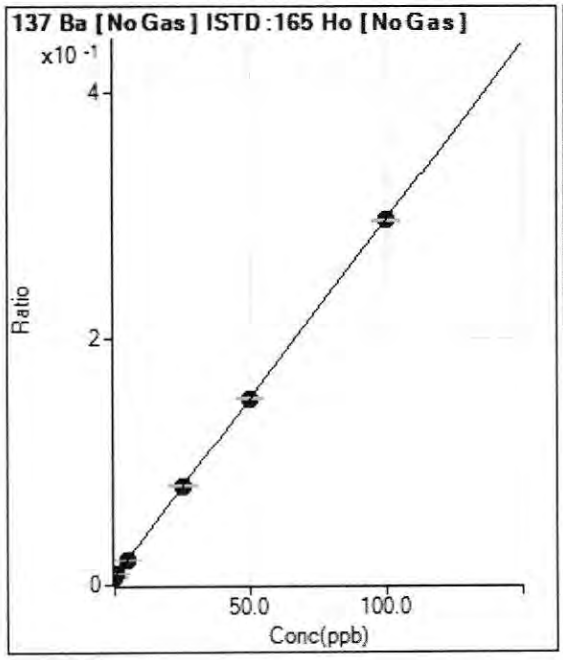
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1043.38	0.0005	P	9.0
2	☐	1.000	0.912	7064.12	0.0036	P	2.9
3	☐	5.000	5.530	39930.48	0.0193	P	0.5
4	☐	25.000	24.497	162259.43	0.0836	P	0.6
5	☐	50.000	49.110	331055.24	0.1671	P	1.9
6	☐	100.000	100.545	672610.46	0.3415	P	0.4

y = 0.0034 * x + 5.4400E-004
R = 0.9999
DL = 0.04324
BEC = 0.1604

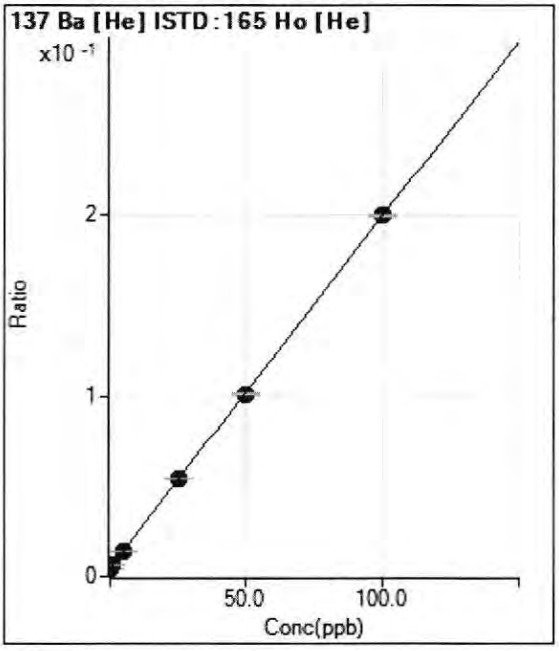
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8235.94	0.0064	P	5.4
2	☐	1.000	1.061	12028.84	0.0095	P	0.2
3	☐	5.000	4.985	26915.06	0.0209	P	2.5
4	☐	25.000	25.516	101223.40	0.0805	P	2.1
5	☐	50.000	49.978	193000.05	0.1515	P	0.8
6	☐	100.000	99.882	380466.62	0.2964	P	0.8

y = 0.0029 * x + 0.0064
R = 1.0000
DL = 0.3597
BEC = 2.22

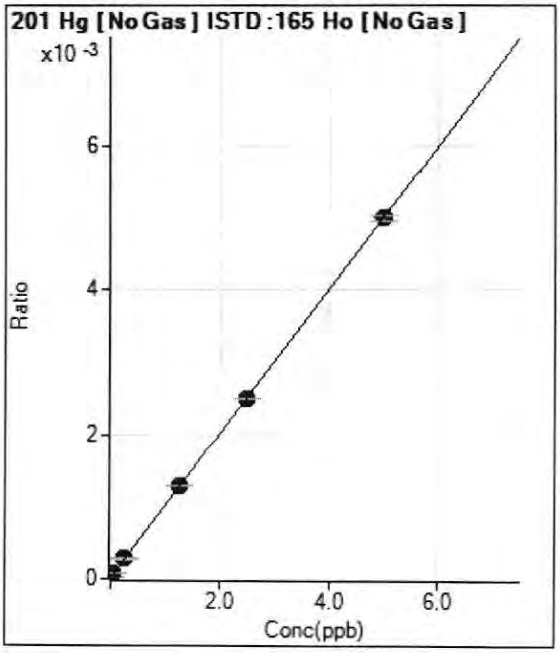
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8065.82	0.0042	P	2.0
2	☐	1.000	0.964	11820.87	0.0061	P	1.0
3	☐	5.000	5.013	28978.27	0.0140	P	0.4
4	☐	25.000	25.517	104970.82	0.0541	P	0.8
5	☐	50.000	49.587	200443.39	0.1012	P	1.6
6	☐	100.000	100.077	393689.30	0.1999	P	0.5

y = 0.0020 * x + 0.0042
R = 1.0000
DL = 0.1266
BEC = 2.15

Weight: <None>
Min Conc: 0

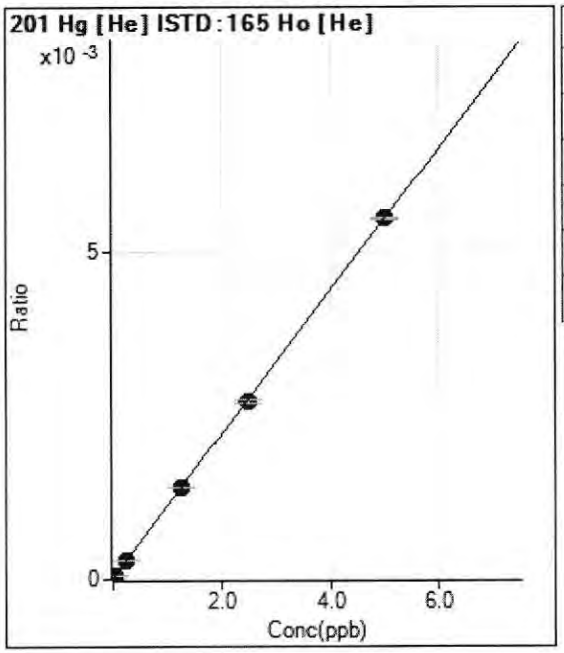


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.67	0.0000	P	6.2
2	☐	0.050	0.055	91.00	0.0001	P	6.8
3	☐	0.250	0.267	364.84	0.0003	P	5.0
4	☐	1.250	1.286	1633.77	0.0013	P	0.8
5	☐	2.500	2.488	3181.56	0.0025	P	0.4
6	☐	5.000	4.996	6416.11	0.0050	P	1.4

y = 9.9711E-004 * x + 1.6943E-005
R = 1.0000
DL = 0.003176
BEC = 0.01699

Weight: <None>
Min Conc: 0

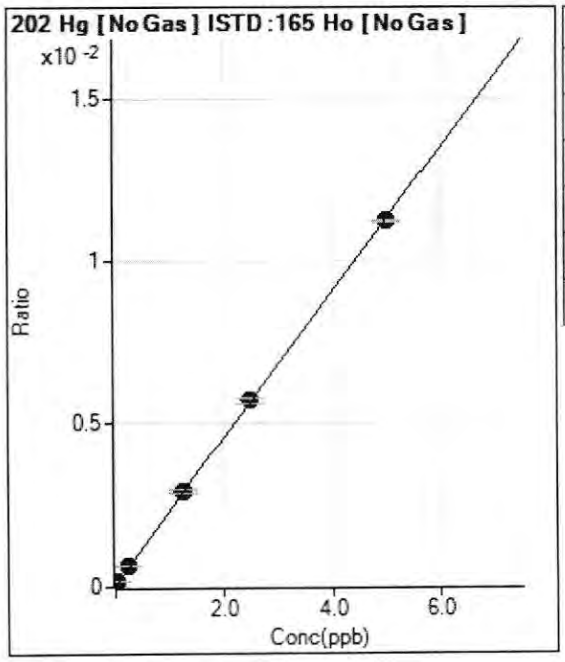
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.67	0.0000	P	20.5
2	☐	0.050	0.056	140.17	0.0001	P	2.1
3	☐	0.250	0.250	590.68	0.0003	P	1.6
4	☐	1.250	1.278	2743.79	0.0014	P	0.3
5	☐	2.500	2.467	5387.80	0.0027	P	1.6
6	☐	5.000	5.009	10852.43	0.0055	P	0.8

y = 0.0011 * x + 1.0785E-005
R = 0.9999
DL = 0.006055
BEC = 0.009824

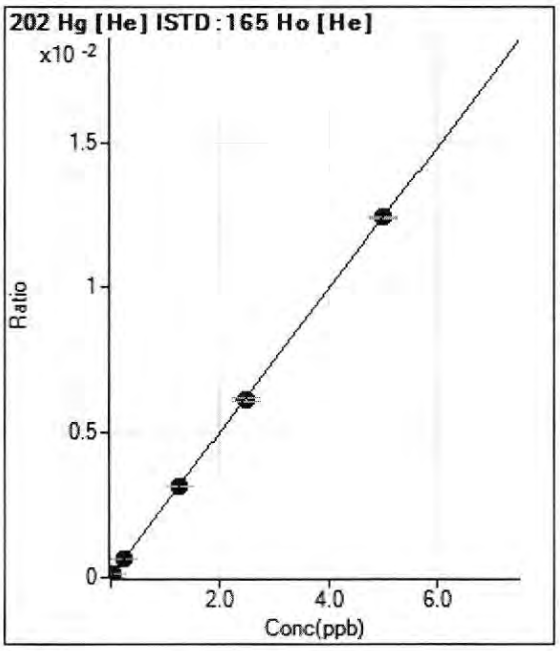
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.00	0.0000	P	4.7
2	☐	0.050	0.058	199.00	0.0002	P	8.7
3	☐	0.250	0.273	823.36	0.0006	P	3.2
4	☐	1.250	1.289	3682.36	0.0029	P	3.0
5	☐	2.500	2.516	7250.06	0.0057	P	2.6
6	☐	5.000	4.981	14434.80	0.0112	P	0.9

y = 0.0023 * x + 2.5824E-005
R = 1.0000
DL = 0.001629
BEC = 0.01146

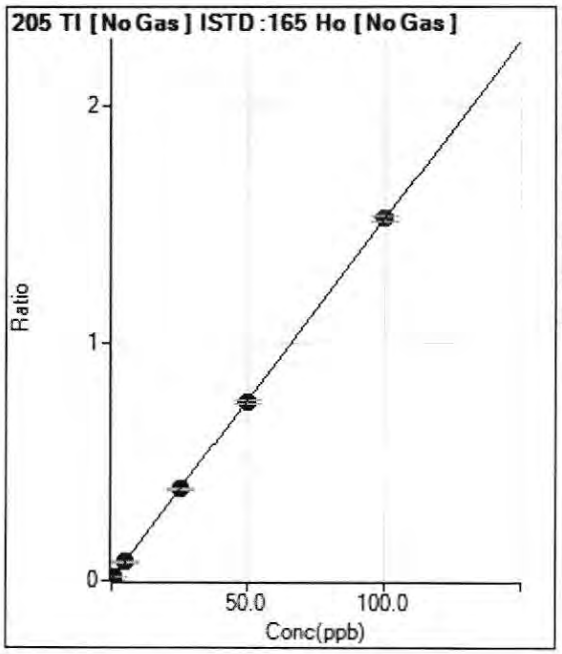
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.00	0.0000	P	31.2
2	☐	0.050	0.054	291.17	0.0001	P	1.8
3	☐	0.250	0.257	1350.07	0.0007	P	2.5
4	☐	1.250	1.272	6131.97	0.0032	P	0.7
5	☐	2.500	2.475	12152.43	0.0061	P	2.3
6	☐	5.000	5.007	24400.87	0.0124	P	0.6

y = 0.0025 * x + 1.6633E-005
R = 1.0000
DL = 0.006297
BEC = 0.00673

Weight: <None>
Min Conc: 0

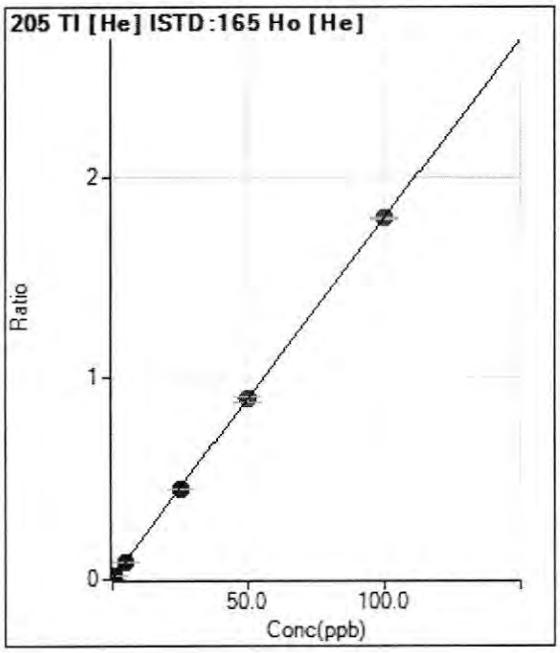


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	9.1
2	☐	1.000	1.003	19303.54	0.0153	P	0.9
3	☐	5.000	5.067	99200.33	0.0771	P	2.5
4	☐	25.000	25.254	482879.22	0.3841	P	2.1
5	☐	50.000	49.466	958081.63	0.7523	P	1.9
6	☐	100.000	100.200	1956128.88	1.5239	A	1.4

y = 0.0152 * x + 3.7404E-005
R = 1.0000
DL = 0.0006734
BEC = 0.00246

Weight: <None>
Min Conc: 0

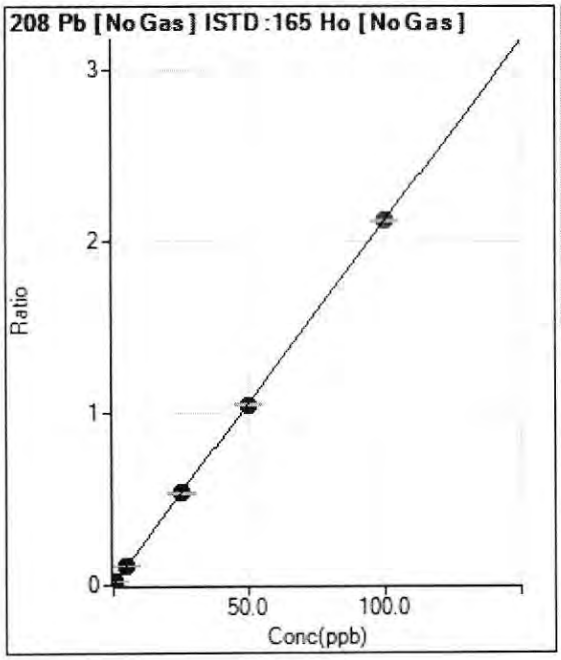
Calibration for 001CALB.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.66	0.0000	P	37.8
2	☐	1.000	0.989	34487.71	0.0178	P	0.9
3	☐	5.000	4.843	179632.44	0.0868	P	0.5
4	☐	25.000	24.873	864942.50	0.4457	P	0.9
5	☐	50.000	49.781	1767303.54	0.8921	A	2.7
6	☐	100.000	100.149	3534685.69	1.7946	A	0.4

y = 0.0179 * x + 3.4721E-005
R = 1.0000
DL = 0.0022
BEC = 0.001938

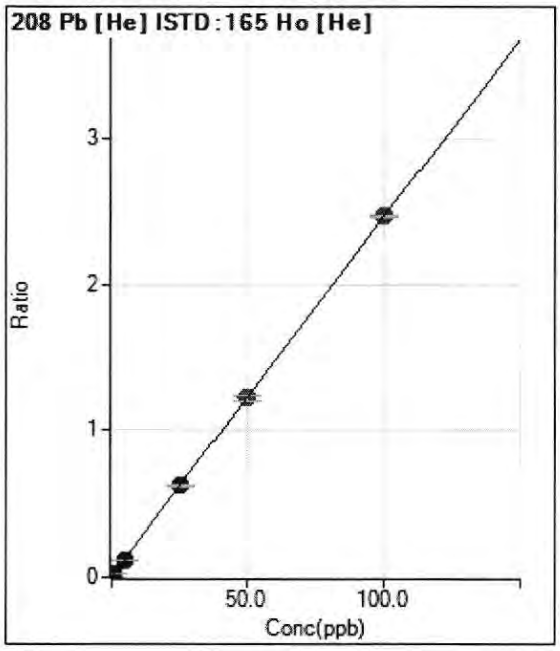
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	702.23	0.0005	P	3.1
2	☐	1.000	1.020	27980.02	0.0222	P	1.5
3	☐	5.000	5.068	138857.93	0.1079	P	1.6
4	☐	25.000	25.379	676457.46	0.5381	P	2.1
5	☐	50.000	49.521	1336497.88	1.0494	P	1.6
6	☐	100.000	100.141	2723259.84	2.1216	A	0.9

y = 0.0212 * x + 5.4954E-004
R = 1.0000
DL = 0.002446
BEC = 0.02595

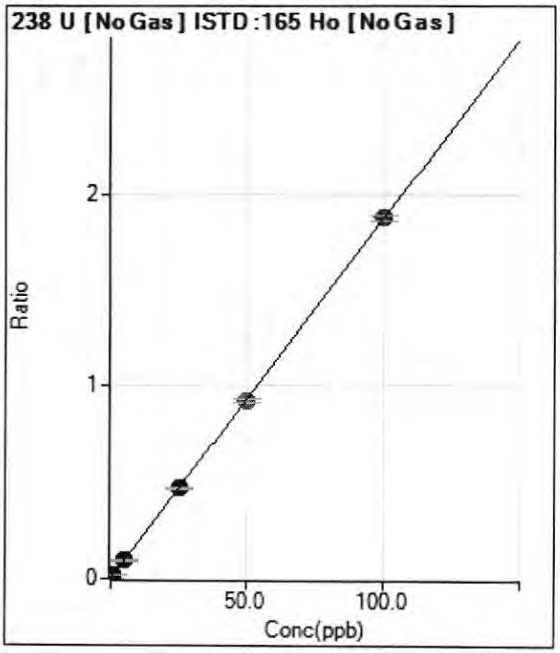
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1081.14	0.0006	P	2.8
2	☐	1.000	0.985	48161.69	0.0248	P	1.5
3	☐	5.000	4.906	250922.74	0.1213	P	1.4
4	☐	25.000	25.205	1204400.35	0.6207	P	0.5
5	☐	50.000	49.623	2420029.84	1.2214	A	2.4
6	☐	100.000	100.142	4853923.85	2.4643	A	0.4

y = 0.0246 * x + 5.6317E-004
R = 1.0000
DL = 0.001934
BEC = 0.02289

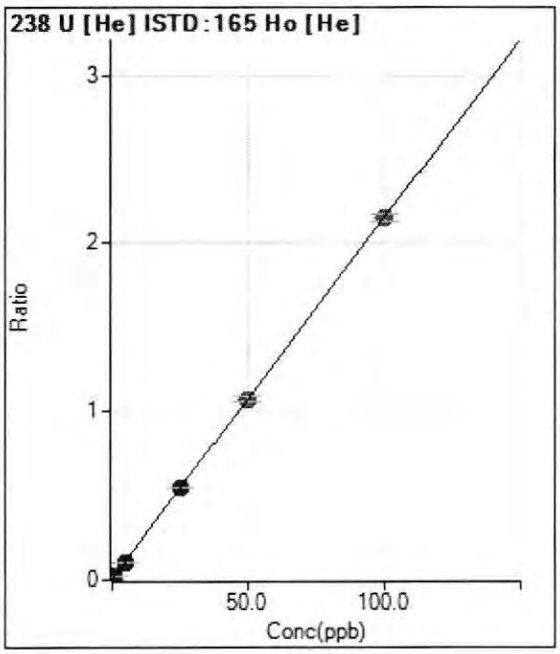
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	200.00	0.0002	P	37.1
2	☐	1.000	1.007	23969.30	0.0190	P	1.7
3	☐	5.000	5.061	122000.22	0.0948	P	2.4
4	☐	25.000	25.265	594258.90	0.4727	P	2.0
5	☐	50.000	49.436	1177727.79	0.9248	M	1.7
6	☐	100.000	100.213	2406008.42	1.8745	A	1.3

y = 0.0187 * x + 1.5593E-004
R = 1.0000
DL = 0.009278
BEC = 0.008337

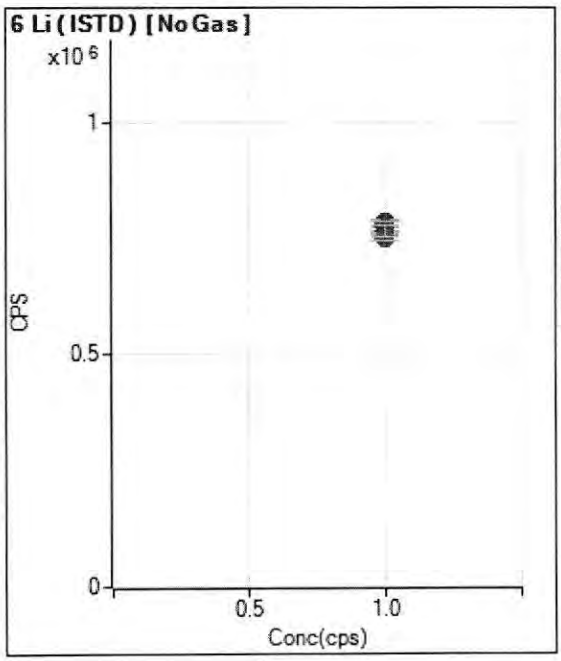
Weight: <None>
Min Conc: 0



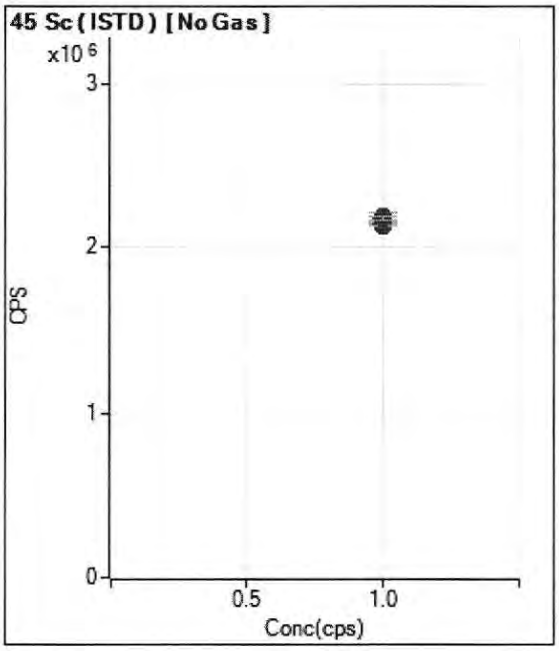
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.00	0.0002	P	23.8
2	☐	1.000	1.007	42376.15	0.0218	P	0.2
3	☐	5.000	4.966	221064.67	0.1068	P	1.2
4	☐	25.000	25.392	1058679.82	0.5456	P	1.0
5	☐	50.000	49.952	2126043.12	1.0731	A	3.2
6	☐	100.000	99.928	4229064.26	2.1465	A	2.2

y = 0.0215 * x + 1.8791E-004
R = 1.0000
DL = 0.006237
BEC = 0.008748

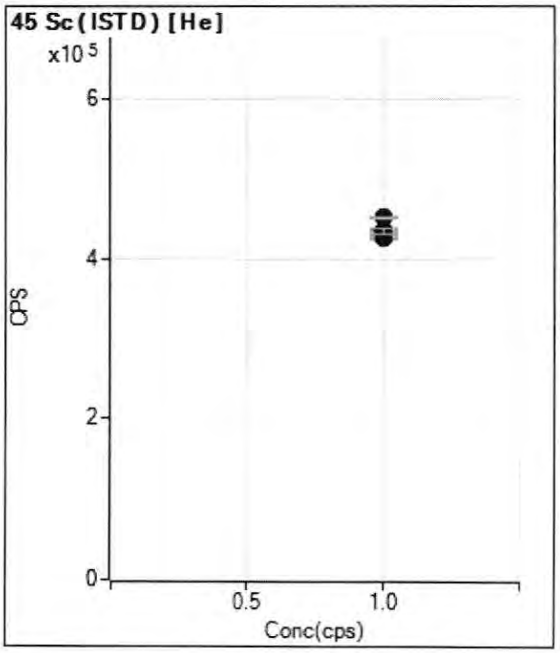
Weight: <None>
Min Conc: 0



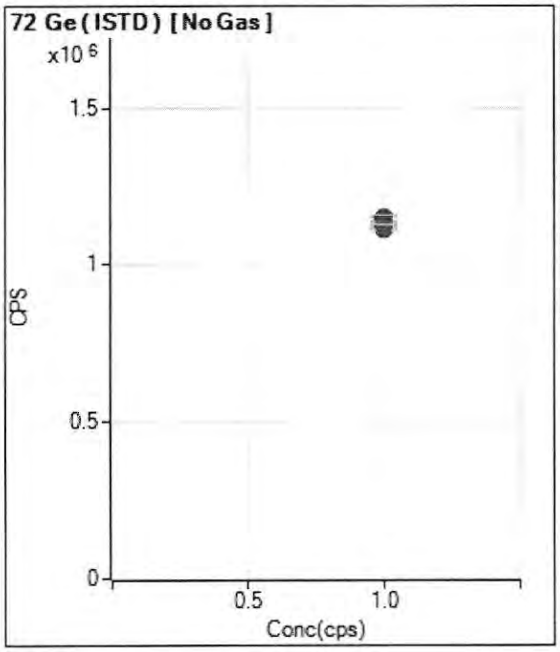
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		785588.14		A	1.6
2	☐	1.000		767899.05		A	2.0
3	☐	1.000		784890.37		A	2.0
4	☐	1.000		751061.26		A	1.6
5	☐	1.000		776379.04		A	2.5
6	☐	1.000		766149.70		A	3.7



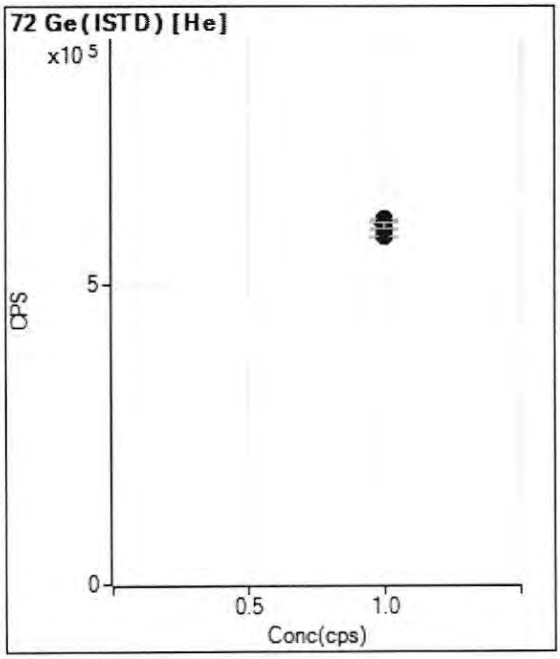
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2175962.00		A	1.3
2	☐	1.000		2137833.67		A	0.7
3	☐	1.000		2186481.92		A	2.1
4	☐	1.000		2129687.75		A	0.2
5	☐	1.000		2145274.75		A	1.2
6	☐	1.000		2174795.92		A	1.2



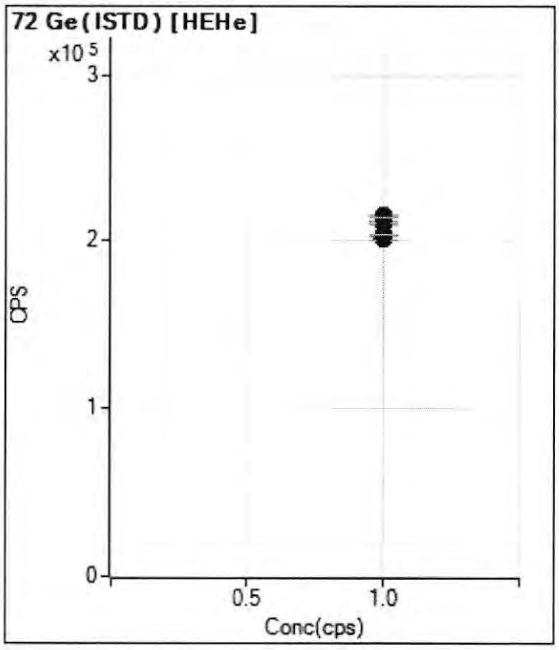
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		425628.84		P	0.8
2	☐	1.000		426867.22		P	0.4
3	☐	1.000		450808.39		P	0.4
4	☐	1.000		430212.04		P	0.6
5	☐	1.000		434016.33		P	0.4
6	☐	1.000		434087.72		P	2.0



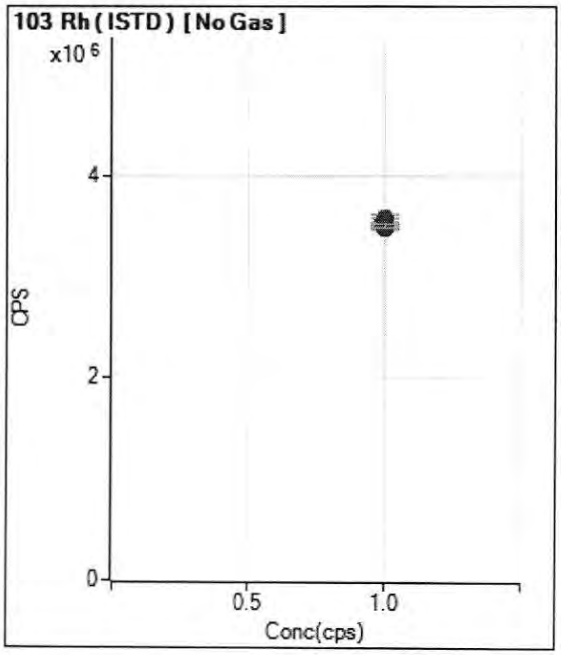
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1145583.62		A	1.4
2	☐	1.000		1120937.16		A	0.7
3	☐	1.000		1151130.84		A	1.8
4	☐	1.000		1112834.67		A	0.8
5	☐	1.000		1120276.08		A	1.3
6	☐	1.000		1127592.96		A	0.3



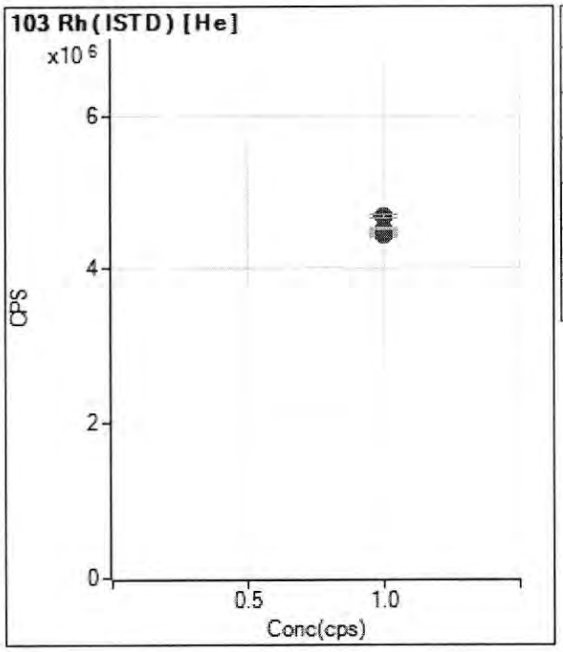
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		578916.82		P	0.6
2	☐	1.000		580682.04		P	0.2
3	☐	1.000		608379.47		P	0.3
4	☐	1.000		592596.82		P	0.3
5	☐	1.000		593297.23		P	0.4
6	☐	1.000		598836.33		P	1.7



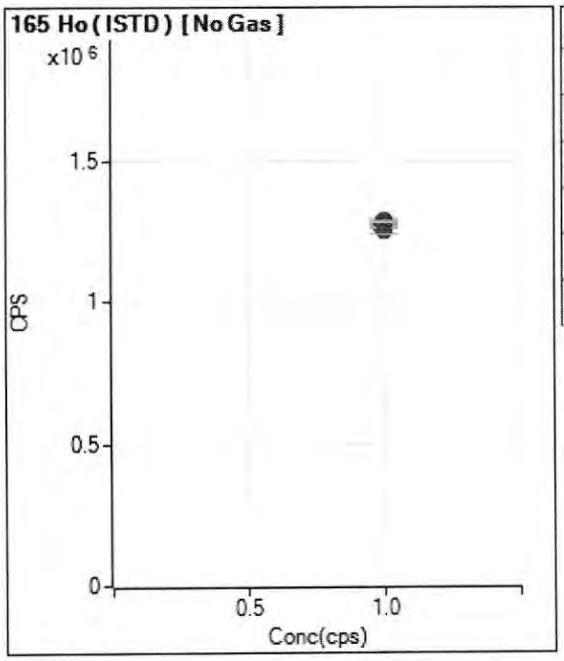
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		201452.57		P	1.0
2	☐	1.000		203925.43		P	0.3
3	☐	1.000		214830.19		P	0.5
4	☐	1.000		210233.07		P	0.5
5	☐	1.000		211522.39		P	0.6
6	☐	1.000		214251.62		P	0.3



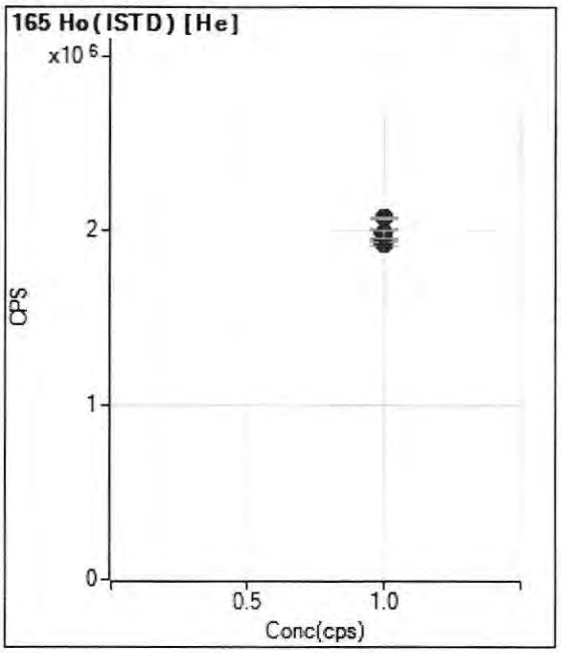
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3572393.58		A	2.0
2	☐	1.000		3521160.42		A	1.0
3	☐	1.000		3557342.67		A	0.8
4	☐	1.000		3485058.08		A	0.9
5	☐	1.000		3537681.33		A	0.4
6	☐	1.000		3509409.67		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4453538.44		A	0.6
2	☐	1.000		4428097.05		A	0.8
3	☐	1.000		4672562.18		A	1.0
4	☐	1.000		4459998.99		A	0.5
5	☐	1.000		4508031.90		A	0.3
6	☐	1.000		4517952.60		A	0.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1278218.91		A	1.4
2	☐	1.000		1262618.29		A	0.3
3	☐	1.000		1287100.00		A	1.7
4	☐	1.000		1257497.08		A	2.0
5	☐	1.000		1273742.21		A	1.4
6	☐	1.000		1283615.79		A	0.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1919332.22		A	1.2
2	☐	1.000		1941929.43		A	0.6
3	☐	1.000		2069123.87		A	0.3
4	☐	1.000		1940522.42		A	0.7
5	☐	1.000		1981954.23		A	2.5
6	☐	1.000		1969621.66		A	2.1

Report Generated By Teledyne CETAC QuickTrace

Analyst: Mercury

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\11242021 bbk0746 7471.wszf

Creation Date: 11/24/2021 3:44:19 PM

Comment:

Results

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
Calibration Blank		STD	11/24/21 03:47:06 pm	0.000	2364	3.63	-39.69		N/A
Replicates	2471.8 2390.2 2313.4 2278.9								
Standard #1 (0.5 ug/L)		STD	11/24/21 03:49:37 pm	0.500	11393	3.03	17.47		N/A
Replicates	11861.6 11428.6 11203.1 11077.4								
Standard #2 (1 ug/L)		STD	11/24/21 03:52:09 pm	1.000	18745	2.99	-28.84		N/A
Replicates	19506.5 18814.4 18416.4 18243.2								
Standard #3 (2.0 ug/L)		STD	11/24/21 03:54:41 pm	2.000	37276	2.78	114.63		N/A
Replicates	38695.2 37381.8 36646.9 36379.3								
Standard #4 (5.0 ug/L)		STD	11/24/21 03:57:13 pm	5.000	82653	2.60	-85.29		N/A
Replicates	85635.3 82766.2 81388.4 80821.7								
Standard #5 (10.0 ug/L)		STD	11/24/21 03:59:46 pm	10.000	165416	2.67	21.73		N/A
Replicates	171493.5 165794.0 162793.2 161582.2								

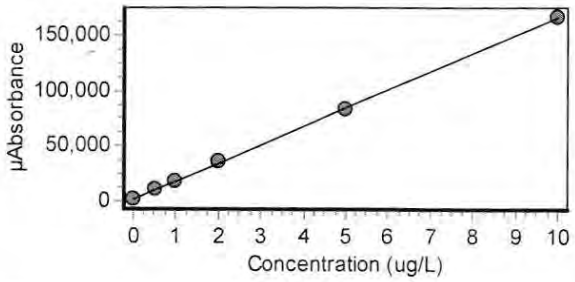
Calibration

Equation: A = 3006.802 + 16205.676C

R2: 0.99968

SEE: 1244.7640

Flags:



ICV		ICV	11/24/21 04:09:06 pm	4.600	77508	2.99			114.93
Replicates	80516.3 77798.0 76226.8 75489.3								
CCV (95-105%)		OPR	11/24/21 04:11:38 pm	4.900	82462	2.73			98.06
Replicates	85444.6 82649.4 81187.7 80565.9								
CCB		CCB	11/24/21 04:14:09 pm	-0.032	2494	20.67			N/A
Replicates	2634.3 2509.5 2443.2 2388.0								
BLANK		MB	11/24/21 04:16:40 pm	-0.002	2970	252.89			N/A
Replicates	3094.8 2981.3 2922.1 2883.1								
LCS		LCS	11/24/21 04:19:12 pm	4.610	77698	2.80		L	115.22
Replicates	80550.0 77919.2 76484.5 75836.5								
wbk0118-01		UNK	11/24/21 04:21:43 pm	0.044	3720	20.52			N/A
Replicates	3917.8 3734.2 3649.4 3578.7								
bbk0746-dup1		UNK	11/24/21 04:24:15 pm	0.030	3487	17.89			N/A
Replicates	3600.9 3504.7 3429.7 3412.4								

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
bbk0746-ms1				UNK	11/24/21 04:26:46 pm	3.980	67473	1.07			N/A
Replicates	68340.0	67679.6	67107.1	66765.3							
bbk0746-msd1				UNK	11/24/21 04:29:18 pm	4.220	71457	2.65			N/A
Replicates	73958.1	71583.3	70389.5	69898.1							
wbk0119-01				UNK	11/24/21 04:31:50 pm	0.099	4604	10.80			N/A
Replicates	4835.0	4624.5	4522.5	4434.3							
wbk0250-01				UNK	11/24/21 04:34:22 pm	-0.188	-47	0.46			N/A
Replicates	-37.5	-40.5	-41.2	-67.5							
wbk0504-01				UNK	11/24/21 04:36:54 pm	0.107	4740	9.24			N/A
Replicates	4818.4	4905.8	4701.3	4535.7							
wbk0250-01				UNK	11/24/21 04:39:26 pm	0.006	3105	119.91			N/A
Replicates	3265.4	3118.5	3023.5	3011.3							
wbk0694-01				UNK	11/24/21 04:41:58 pm	-0.186	-5	0.67			N/A
Replicates	1.8	-16.9	-24.9	20.5							
wbk0503-01				UNK	11/24/21 04:44:31 pm	0.043	3700	12.53			N/A
Replicates	3821.7	3695.7	3664.9	3618.9							
wbk0699-01				UNK	11/24/21 04:47:02 pm	0.132	5143	3.52			N/A
Replicates	5251.2	5135.4	5097.6	5087.1							
wbk0767-01				UNK	11/24/21 04:49:33 pm	1.110	21040	3.49			N/A
Replicates	21880.4	21135.1	20708.8	20435.5							
wbk0748-01				UNK	11/24/21 04:52:04 pm	0.179	5902	3.88			N/A
Replicates	6056.2	5915.6	5824.5	5813.0							
wbk0747-01				UNK	11/24/21 04:54:35 pm	0.029	3478	49.03			N/A
Replicates	3790.0	3512.8	3331.6	3277.6							
bbk0746-blk2				UNK	11/24/21 04:58:15 pm	0.031	3510	23.03			N/A
Replicates	3670.7	3515.2	3438.7	3413.7							
bbk0746-bs2				UNK	11/24/21 05:00:47 pm	4.580	77253	2.00			N/A
Replicates	79381.0	77142.3	76298.5	76189.5							
wbk0694-01				UNK	11/24/21 05:04:04 pm	-0.006	2907	91.14			N/A
Replicates	3024.2	2933.6	2830.0	2842.1							
wbk0694-01				UNK	11/24/21 05:06:36 pm	0.022	3372	18.28			N/A
Replicates	3309.7	3327.2	3395.5	3455.2							
bbk0746-ms1				UNK	11/24/21 05:09:08 pm	4.200	71081	2.80			N/A
Replicates	73691.3	71267.5	69963.0	69403.8							
CCV (95-105%)				UNK	11/24/21 05:11:40 pm	4.860	81785	2.94			N/A
Replicates	84944.3	82025.9	80428.5	79741.7							
CCB				UNK	11/24/21 05:14:11 pm	-0.037	2399	5.93			N/A
Replicates	2449.1	2368.2	2378.2	2400.2							
				UNK	11/24/21 05:16:43 pm	0.568	12213	2.30			N/A
Replicates	12524.3	12159.5	12060.1	12106.5							

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 8:29 am

BBK0744

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BBK0744-BLK1	11/23/21 10:16	50	50				
BBK0744-BS1	11/23/21 10:16	50	50	2003389		100	
BBK0744-MS1	11/23/21 10:16	50	50	2003389	WBK0734-01	100	
BBK0744-MS2	11/23/21 10:16	50	50	2003389	WBK0734-16	100	
BBK0744-MSD1	11/23/21 10:16	50	50	2003389	WBK0734-01	100	
BBK0744-MSD2	11/23/21 10:16	50	50	2003389	WBK0734-16	100	
WBK0734-01 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-02 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-03 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-04 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-05 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-06 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-07 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-08 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-09 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-10 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____

Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 8:29 am

BBK0744

(Continued)

Matrix: Water

Prepared using: Metals - W 245.1 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WBK0734-11 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-12 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-13 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-14 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-15 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-16 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			
WBK0734-17 Analytes: Mercury	11/23/21 10:16	50	50	Client: Cardno - Hawaii			

Support Equipment: W PT-20, W PT-27 W PT-30 W PT-33

Reagent ID	Description	LotNum
2000088	Hg. Sulfuric Acid, OmniTrace	59009
2001476	Hg. 5% Potassium Persulfate	-
2101773	P. Metals Digestion Vials D	051221
2102135	P. Nitric Acid D	61078
2103213	Hg. 5% Potassium Permangar	-
2103594	Hg. Hydroxlamine Hydrochlori	-

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 8:32 am

BBK0889

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BBK0889-BLK1	11/30/21 10:37	50	50				
BBK0889-BS1	11/30/21 10:37	50	50	2103437		250	
BBK0889-MS1	11/30/21 10:37	50	50	2103437	WBK0734-02	250	
BBK0889-MS2	11/30/21 10:37	50	50	2103437	WBK0734-16	250	
BBK0889-MSD1	11/30/21 10:37	50	50	2103437	WBK0734-02	250	
BBK0889-MSD2	11/30/21 10:37	50	50	2103437	WBK0734-16	250	
WBK0367-02 Analytes: Dissolved Arsenic	11/30/21 10:37	50	50	Client: Kalispel Tribe Water Res. Dept.			
WBK0734-01 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-02 Analytes: Arsenic, Dissolved Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-03 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-04 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-05 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-06 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-07 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-08 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-09 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

PREPARATION BENCH SHEET
Metals

Print Date/Time: 12/27/2021 8:32 am

BBK0889

(Continued)

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WBK0734-10 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-11 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-12 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-13 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-14 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-15 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-16 Analytes: Arsenic, Dissolved Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			
WBK0734-17 Analytes: Arsenic	11/30/21 10:37	50	50	Client: Cardno - Hawaii			

Support Equipment: W PT-20, W PT-27 BLK 2 W PT-30 W PT-33

Batch Comments: MSD2 IS NOT WORKING WAS RERAN IS STILL LOW METHID SPIKE ms1/msd1 PASS

Reagent ID	Description	LotNum
2003793	Metals UHP Helium	314SPO0620A
2101774	P. Metals Digestion Vials E	051221
2102137	P. Nitric Acid F	61078
2102586	P. 1:1 HCl-metals	59072
2103472	C. 10 ppb Tune Solution	-
2103556	C. Internal Standard Mix	-

Batch Prepared By _____ Date _____ Analytical Run Date _____

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

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

Anatek Labs. Inc. Spokane

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
BBL0325-MS2	Matrix Spike WBL0426-16	500	0.1198	50	0.1237	0.1237	2	39.00	78.00	
BBL0325-MSD2	Matrix Spike Dup WBL042	501	0.1201	50	0.1241	0.1236	2	35.00	70.00	
WBL0426-16	E-1	502	0.1191	50	0.121	0.1213	2	19.00	38.00	
WBL0426-01	DW-2	483	0.1206	50	0.1218	0.1225	2	12.00	24.00	
WBL0426-02	DW-3	484	0.12	500	0.1242	0.1246	0.2	42.00	8.40	
WBL0426-03	D-2	485	0.1186	500	0.1221	0.1219	0.2	33.00	6.60	
WBL0426-04	D-3	486	0.1204	500	0.1249	0.1253	0.2	45.00	9.00	
WBL0426-05	D-4	487	0.1205	500	0.1231	0.1228	0.2	23.00	4.60	
WBL0426-06	D-5	488	0.012	500	0.1224	0.1224	0.2	1104.00	220.80	
WBL0426-07	D-6	489	0.1187	50	0.1487	0.1489	2	300.00	600.00	
WBL0426-08	D-7	490	0.1194	50	0.1239	0.1245	2	45.00	90.00	
WBL0426-09	D-8	491	0.1206	500	0.1224	0.1227	0.2	18.00	3.60	
WBL0426-10	U-3/WW-4	492	0.1183	500	0.1211	0.1213	0.2	28.00	5.60	
WBL0426-11	DW-1/WW-1	493	0.1192	50	0.123	0.1234	2	38.00	76.00	
WBL0426-12	WW-6	494	0.1208	50	0.1213	0.1212	2	4.00	8.00	
WBL0426-13	WW-2	495	0.1201	500	0.1248	0.1247	0.2	46.00	9.20	
WBL0426-14	WW-3	496	0.121	500	0.1235	0.1235	0.2	25.00	5.00	
WBL0426-15	E-2	497	0.1191	500	0.1213	0.1213	0.2	22.00	4.40	
WBL0426-17	E-1 DUP	498	0.1205	50	0.1239	0.1237	2	32.00	64.00	
WBL0426-18	U-2/WW-5	499	0.1216	50	0.1244	0.1243	2	27.00	54.00	

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

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
WBL0228-02	FD120721	742	0.1135	1000	0.114	0.114	0.1	5.00	0.50	
WBL0228-03	MW10120721	743	0.114	1000	0.1141	0.1141	0.1	1.00	0.10	
WBL0228-04	MW05120721	744	0.1135	10000	0.1136	0.114	0.01	1.00	0.01	
WBL0228-05	MW11120721	745	0.1129	1000	0.113	0.1136	0.1	1.00	0.10	
WBL0228-06	MW13120621	746	0.1143	1000	0.1144	0.1152	0.1	1.00	0.10	
WBL0228-07	MW12120621	747	0.1133	1000	0.1136	0.1135	0.1	2.00	0.20	
WBL0228-08	MW16120621	748	0.1135	1000	0.1325	0.1326	0.1	190.00	19.00	
WBL0228-09	MW02120621	753	0.114	1000	0.1182	0.1183	0.1	42.00	4.20	
WBL0228-10	MW06120621	754	0.1146	1000	0.1146	0.115	0.1			
WBL0228-11	MW07120621	755	0.1141	1000	0.1149	0.115	0.1	8.00	0.80	
WBL0228-12	MW17120621	799	0.1139	50	0.1293	0.1292	2	153.00	306.00	
WBL0239-01	INF	759	0.1134	100	0.1232	0.1231	1	97.00	97.00	
WBL0239-02	EFF	760	0.113	500	0.1167	0.1164	0.2	34.00	6.80	
WBL0266-01	Effluent	761	0.1141	1000	0.1166	0.1168	0.1	25.00	2.50	
WBL0266-02	Influent	**762**	**0.1138**	**50**	**0.1242**	**0.1247**	2	104.00	208.00	
BBL0325-MS3	Matrix Spike WBL0268-01	763	0.113	50	0.1187	0.1189	2	57.00	114.00	
BBL0325-MSD3	Matrix Spike Dup WBL026	764	0.113	50	0.1187	0.1186	2	56.00	112.00	
WBL0268-01	Effluent	765	0.1142	100	0.1154	0.116	1	12.00	12.00	
WBL0268-02	Influent	766	0.1131	50	0.1192	0.1197	2	61.00	122.00	
WBL0271-01	Influent	767	0.1141	50	0.1177	0.1172	2	31.00	62.00	
WBL0281-01	INF	768	0.1136	50	0.117	0.1172	2	34.00	68.00	
WBL0281-02	EFF	769	0.1131	500	0.116	0.1162	0.2	29.00	5.80	
WBL0282-01	INF Lagoon	770	0.1138	50	0.1182	0.1182	2	44.00	88.00	
BBL0325-DUP3	Duplicate WBL0326-01	771	0.1134	50	0.1183	0.1187	2	49.00	98.00	
WBL0326-01	Influent	772	0.1134	50	0.1172	0.1176	2	38.00	76.00	
WBL0327-01	Influent	773	0.1139	50	0.1161	0.1161	2	22.00	44.00	
WBL0327-02	Effluent	774	0.1135	1000	0.12	0.12	0.1	65.00	6.50	
WBL0328-01	Influent	775	0.1123	50	0.1167	0.1171	2	44.00	88.00	
BBL0325-DUP1	Duplicate WBL0328-02	468	0.1199	500	0.1214	0.1215	0.2	15.00	3.00	
WBL0328-02	Effluent	469	0.1201	500	0.1215	0.1217	0.2	14.00	2.80	
WBL0359-01	NVIPS TSS-120821	470	0.1201	50	0.1316	0.1321	2	115.00	230.00	
WBL0359-02	SVIPS TSS-120821	472	0.1209	50	0.1352	0.1352	2	143.00	286.00	
WBL0411-01	WW Inf	473	0.1198	50	0.1254	0.1255	2	56.00	112.00	

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

Batch ID: BBL0325 Date: 12/11/2021 Time: 1100 KAS

QC REQUIREMENTS:	Blank <1ppm, LFB %Rec= 90-110%, MS/MSD %Rec= 80-120% Run a blank and lcs before and after every 20 samples, plus dup and ms/msd after 20 samples.

TSS Reagents	Std. #	Amount Spiked	Balance	Balance	Temp	Filters	Thermometer
100ppm Cellulose TSS Soln.		100	100 PPM	Bal-06	105		00627

Comments:

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
BBL0325-BLK1	Blank	800	0.1134	100	0.1134	0.1138	1			
BBL0325-BLK2	Blank	737	0.1142	100	0.1142	0.1144	1			
BBL0325-BLK3	Blank	756	0.1139	100	0.1139	0.1143	1			
BBL0325-BLK4	Blank	477	0.1199	100	0.1198	0.1198	1	-1.00	-1.00	
BBL0325-BLK5	Blank	478	0.1198	100	0.1197	0.1203	1	-1.00	-1.00	
BBL0325-BLK6	Blank	479	0.1195	100	0.1197	0.1196	1	1.00	1.00	
BBL0325-BS1	LCS	722	0.1131	100	0.123	0.1235	1	99.00	99.00	
BBL0325-BS2	LCS	738	0.1135	100	0.1235	0.1238	1	100.00	100.00	
BBL0325-BS3	LCS	757	0.1139	100	0.1234	0.1233	1	94.00	94.00	
BBL0325-BSD1	LCS Dup	476	0.1196	100	0.1297	0.1297	1	101.00	101.00	
BBL0325-BSD2	LCS Dup	475	0.1211	100	0.131	0.1309	1	98.00	98.00	
BBL0325-BSD3	LCS Dup	474	0.1194	100	0.1294	0.1295	1	100.00	100.00	
MBL0165-01	120L Large Animal Teachi	723	0.1131	10	0.182	0.1819	10	688.00	6880.00	
MBL0173-02	TSS/BOD	724	0.114	100	0.1175	0.1176	1	35.00	35.00	
MBL0204-01	BOD/TSS INFLUENT	725	0.1132	100	0.1163	0.1165	1	31.00	31.00	
MBL0224-01	Influent	726	0.1133	100	0.1246	0.1245	1	112.00	112.00	
BBL0325-DUP2	Duplicate MBL0224-01	732	0.113	100	0.1235	0.1237	1	105.00	105.00	
MBL0248-01	Settling Effluent	728	0.1138	100	0.1153	0.1152	1	14.00	14.00	
MBL0248-04	Influent	729	0.1134	50	0.1303	0.1306	2	169.00	338.00	
MBL0251-03	Influent	730	0.1135	50	0.1287	0.1288	2	152.00	304.00	
MBL0316-05	INFL	731	0.1133	50	0.1191	0.1195	2	58.00	116.00	
MBL0326-01	INFLUENT	733	0.1141	50	0.1185	0.1188	2	44.00	88.00	
WBL0172-01	Influent	736	0.1139	50	0.1194	0.1192	2	53.00	106.00	
WBL0172-02	Effluent	735	0.1142	250	0.1154	0.1154	0.4	12.00	4.80	
WBL0204-01	INF	758	0.1134	50	0.1212	0.1212	2	78.00	156.00	
BBL0325-MS1	Matrix Spike WBL0228-01	740	0.1136	1000	0.1234	0.1233	0.1	97.00	9.70	
BBL0325-MSD1	Matrix Spike Dup WBL022	741	0.1127	1000	0.1224	0.123	0.1	97.00	9.70	
WBL0228-01	MW09120721	739	0.1133	1000	0.1135	0.1138	0.1	2.00	0.20	

NON DW SV EXTRACTION LOG DATE 25 MOR ~~12/17~~ 12/20-/21 ANALYST MSL

Methods: 8270C / EPA 6850 / EPA 8321B
Instrument: LC-MS-MS
Ext. Method: EPA 3535 SPE/ Liq-Solid microextraction and derivatization

Internal Standard (IS)	Solution #	Concentration (ppm)
Glyphosate-$^{13}C_2$	2103573	10
Matrix Spiking Info (MS/MSD)	**Solution #**	**Concentration (ppm)**
Glyphosate / AMPA	2100416	25/50

	Standard or Sample # (Glyphosate / AMPA)	Reaction volume	Sample	FMOC (mL)	Buffer (mL)	IS (µL)	Cal Std or Spike (µl)	Final Mult
	250 ppb / 500 ppb	2 ml	1.0	0.5	0.5	10	20	
	125 ppb / 250 ppb	2 ml	1.0	0.5	0.5	10	10	
	50 ppb / 100 ppb	2 ml	1.0	0.5	0.5	10	4	
	25 ppb / 50 ppb	2 ml	1.0	0.5	0.5	10	2	
	12.5 ppb / 25 ppb	2 ml	1.0	0.5	0.5	10	1	
	6.25 ppb/12.5 ppb	2 ml	1.0	0.5	0.5	10	0.5	
	BBL0581-BLK1	2 ml	1.0	0.5	0.5	10	0	
	BBL0581-BS1	2 ml	1.0	0.5	0.5	10	4	
	BBL0581-MS1	2 ml	1.0	0.5	0.5	10	4	
	BBL0581-MSD1	2 ml	1.0	0.5	0.5	10	4	
	WBL0426-16	2 ml	1.0	0.5	0.5	10	0	
	WBL0426-17	2 ml	1.0	0.5	0.5	10	0	
	WBL0426-14	2 ml	1.0	0.5	0.5	10	0	
	WBL0426-15	2 ml	1.0	0.5	0.5	10	0	
	MBL0036-01	2 ml	1.0	0.5	0.5	10	0	
	MBL0036-02	2 ml	1.0	0.5	0.5	10	0	

MSL 12/20/2021

Prepped samples were heated overnight at 40°C in a water bath.
Derivatized samples were diluted into well plate for analysis as follows
(100 µL 2% phosphoric acid / 700 µL water / 200 µL derivatized extract)

Reagents
FMOC – 5 mg/mL in Acetonitrile 2% Phosphoric Acid Buffer – 5 % Sodium Tetraborate

12/21/21
BBL0581

	Sample Name	Sample Type	Acquisition Date	File Name	Dilution Factor	Analyte Peak Name	Analyte Peak Area (counts)	Analyte Concentration (ng/mL)	IS Peak Area (counts)	Calculated Concentration (ng/mL)	Accuracy (%)
1	250/500 ppb GLY/	Standard	12/21/2021 1:02:	122121_glypho	1.00	Gly Q1	1.30e+007	250.	2.50e+006	251.	100.
2	250/500 ppb GLY/	Standard	12/21/2021 1:02:	122121_glypho	1.00	Gly Q2	5.21e+006	250.	2.50e+006	250.	99.8
3	250/500 ppb GLY/	Standard	12/21/2021 1:02:	122121_glypho	1.00	AMPA Q1	1.09e+007	500.	2.50e+006	498.	99.5
4	250/500 ppb GLY/	Standard	12/21/2021 1:02:	122121_glypho	1.00	AMPA Q2	4.53e+006	500.	2.50e+006	499.	99.8
5	125/250 ppb GLY/	Standard	12/21/2021 1:09:	122121_glypho	1.00	Gly Q1	7.26e+006	125.	2.59e+006	123.	98.8
6	125/250 ppb GLY/	Standard	12/21/2021 1:09:	122121_glypho	1.00	Gly Q2	2.99e+006	125.	2.59e+006	125.	100.
7	125/250 ppb GLY/	Standard	12/21/2021 1:09:	122121_glypho	1.00	AMPA Q1	5.62e+006	250.	2.59e+006	256.	103.
8	125/250 ppb GLY/	Standard	12/21/2021 1:09:	122121_glypho	1.00	AMPA Q2	2.31e+006	250.	2.59e+006	253.	101.
9	50/100 ppb GLY/A	Standard	12/21/2021 1:15:	122121_glypho	1.00	Gly Q1	3.41e+006	50.0	2.70e+006	52.2	104.
10	50/100 ppb GLY/A	Standard	12/21/2021 1:15:	122121_glypho	1.00	Gly Q2	1.35e+006	50.0	2.70e+006	51.1	102.
11	50/100 ppb GLY/A	Standard	12/21/2021 1:15:	122121_glypho	1.00	AMPA Q1	2.23e+006	100.	2.70e+006	98.4	98.4
12	50/100 ppb GLY/A	Standard	12/21/2021 1:15:	122121_glypho	1.00	AMPA Q2	9.61e+005	100.	2.70e+006	101.	101.
13	25/50 ppb GLY/AM	Standard	12/21/2021 1:22:	122121_glypho	1.00	Gly Q1	1.84e+006	25.0	3.03e+006	23.9	95.5
14	25/50 ppb GLY/AM	Standard	12/21/2021 1:22:	122121_glypho	1.00	Gly Q2	7.31e+005	25.0	3.03e+006	23.8	95.1
15	25/50 ppb GLY/AM	Standard	12/21/2021 1:22:	122121_glypho	1.00	AMPA Q1	1.21e+006	50.0	3.03e+006	46.9	93.7
16	25/50 ppb GLY/AM	Standard	12/21/2021 1:22:	122121_glypho	1.00	AMPA Q2	5.06e+005	50.0	3.03e+006	46.9	93.9
17	12.5/25 ppb GLY/A	Standard	12/21/2021 1:29:	122121_glypho	1.00	Gly Q1	1.00e+006	12.5	3.00e+006	12.4	99.0
18	12.5/25 ppb GLY/A	Standard	12/21/2021 1:29:	122121_glypho	1.00	Gly Q2	3.86e+005	12.5	3.00e+006	12.3	98.4
19	12.5/25 ppb GLY/A	Standard	12/21/2021 1:29:	122121_glypho	1.00	AMPA Q1	6.55e+005	25.0	3.00e+006	25.1	100.
20	12.5/25 ppb GLY/A	Standard	12/21/2021 1:29:	122121_glypho	1.00	AMPA Q2	2.75e+005	25.0	3.00e+006	25.2	101.
21	6.25/12.5 ppb GLY/	Standard	12/21/2021 1:36:	122121_glypho	1.00	Gly Q1	5.00e+005	6.25	2.62e+006	6.39	102.
22	6.25/12.5 ppb GLY/	Standard	12/21/2021 1:36:	122121_glypho	1.00	Gly Q2	1.87e+005	6.25	2.62e+006	6.51	104.
23	6.25/12.5 ppb GLY/	Standard	12/21/2021 1:36:	122121_glypho	1.00	AMPA Q1	3.16e+005	12.5	2.62e+006	13.2	105.
24	6.25/12.5 ppb GLY/	Standard	12/21/2021 1:36:	122121_glypho	1.00	AMPA Q2	1.30e+005	12.5	2.62e+006	12.9	104.
25	Rinse	Unknown	12/21/2021 1:43:	122121_glypho	1.00	Gly Q1	6.14e+004	N/A	2.90e+006	< 0	N/A
26	Rinse	Unknown	12/21/2021 1:43:	122121_glypho	1.00	Gly Q2	1.70e+004	N/A	2.90e+006	< 0	N/A
27	Rinse	Unknown	12/21/2021 1:43:	122121_glypho	1.00	AMPA Q1	2.64e+004	N/A	2.90e+006	< 0	N/A
28	Rinse	Unknown	12/21/2021 1:43:	122121_glypho	1.00	AMPA Q2	1.14e+004	N/A	2.90e+006	< 0	N/A
29	BBL0581-BLK1	Unknown	12/21/2021 1:50:	122121_glypho	1.00	Gly Q1	3.88e+004	N/A	2.77e+006	< 0	N/A
30	BBL0581-BLK1	Unknown	12/21/2021 1:50:	122121_glypho	1.00	Gly Q2	1.09e+004	N/A	2.77e+006	< 0	N/A

	Sample Name	Sample Type	Acquisition Date	File Name	Dilution Factor	Analyte Peak Name	Analyte Peak Area (counts)	Analyte Concentration (ng/mL)	IS Peak Area (counts)	Calculated Concentration (ng/mL)	Accuracy (%)
31	BBL0581-BLK1	Unknown	12/21/2021 1:50:	122121_glypho	1.00	AMPA Q1	1.79e+004	N/A	2.77e+006	< 0	N/A
32	BBL0581-BLK1	Unknown	12/21/2021 1:50:	122121_glypho	1.00	AMPA Q2	7.37e+003	N/A	2.77e+006	< 0	N/A
33	BBL0581-BS1	Quality Contr	12/21/2021 1:57:	122121_glypho	1.00	Gly Q1	3.57e+006	50.0	3.32e+006	44.1	88.1
34	BBL0581-BS1	Quality Contr	12/21/2021 1:57:	122121_glypho	1.00	Gly Q2	1.41e+006	50.0	3.32e+006	43.0	86.0
35	BBL0581-BS1	Quality Contr	12/21/2021 1:57:	122121_glypho	1.00	AMPA Q1	2.31e+006	100.	3.32e+006	82.8	82.8
36	BBL0581-BS1	Quality Contr	12/21/2021 1:57:	122121_glypho	1.00	AMPA Q2	9.71e+005	100.	3.32e+006	83.2	83.2
37	BBL0581-MS1	Quality Contr	12/21/2021 2:03:	122121_glypho	1.00	Gly Q1	1.23e+006	50.0	1.13e+006	44.3	88.5
38	BBL0581-MS1	Quality Contr	12/21/2021 2:03:	122121_glypho	1.00	Gly Q2	4.74e+005	50.0	1.13e+006	42.3	84.6
39	BBL0581-MS1	Quality Contr	12/21/2021 2:03:	122121_glypho	1.00	AMPA Q1	1.39e+006	100.	1.13e+006	146.	146.
40	BBL0581-MS1	Quality Contr	12/21/2021 2:03:	122121_glypho	1.00	AMPA Q2	5.77e+005	100.	1.13e+006	145.	145.
41	BBL0581-MSD1	Quality Contr	12/21/2021 2:10:	122121_glypho	1.00	Gly Q1	1.23e+006	50.0	1.14e+006	44.1	88.2
42	BBL0581-MSD1	Quality Contr	12/21/2021 2:10:	122121_glypho	1.00	Gly Q2	4.69e+005	50.0	1.14e+006	41.7	83.3
43	BBL0581-MSD1	Quality Contr	12/21/2021 2:10:	122121_glypho	1.00	AMPA Q1	1.33e+006	100.	1.14e+006	139.	139.
44	BBL0581-MSD1	Quality Contr	12/21/2021 2:10:	122121_glypho	1.00	AMPA Q2	5.55e+005	100.	1.14e+006	138.	138.
45	WBL0426-16	Unknown	12/21/2021 2:17:	122121_glypho	1.00	Gly Q1	4.38e+004	N/A	1.27e+006	< 0	N/A
46	WBL0426-16	Unknown	12/21/2021 2:17:	122121_glypho	1.00	Gly Q2	1.64e+004	N/A	1.27e+006	0.629	N/A
47	WBL0426-16	Unknown	12/21/2021 2:17:	122121_glypho	1.00	AMPA Q1	3.53e+004	N/A	1.27e+006	1.77	N/A
48	WBL0426-16	Unknown	12/21/2021 2:17:	122121_glypho	1.00	AMPA Q2	1.51e+004	N/A	1.27e+006	1.96	N/A
49	WBL0426-17	Unknown	12/21/2021 2:24:	122121_glypho	1.00	Gly Q1	2.89e+004	N/A	1.29e+006	< 0	N/A
50	WBL0426-17	Unknown	12/21/2021 2:24:	122121_glypho	1.00	Gly Q2	9.79e+003	N/A	1.29e+006	0.0980	N/A
51	WBL0426-17	Unknown	12/21/2021 2:24:	122121_glypho	1.00	AMPA Q1	1.51e+004	N/A	1.29e+006	< 0	N/A
52	WBL0426-17	Unknown	12/21/2021 2:24:	122121_glypho	1.00	AMPA Q2	5.92e+003	N/A	1.29e+006	< 0	N/A
53	WBL0426-14	Unknown	12/21/2021 2:31:	122121_glypho	1.00	Gly Q1	2.43e+004	N/A	1.56e+006	< 0	N/A
54	WBL0426-14	Unknown	12/21/2021 2:31:	122121_glypho	1.00	Gly Q2	8.14e+003	N/A	1.56e+006	< 0	N/A
55	WBL0426-14	Unknown	12/21/2021 2:31:	122121_glypho	1.00	AMPA Q1	1.04e+004	N/A	1.56e+006	< 0	N/A
56	WBL0426-14	Unknown	12/21/2021 2:31:	122121_glypho	1.00	AMPA Q2	4.66e+003	N/A	1.56e+006	< 0	N/A
57	WBL0426-15	Unknown	12/21/2021 2:38:	122121_glypho	1.00	Gly Q1	3.00e+004	N/A	8.91e+005	< 0	N/A
58	WBL0426-15	Unknown	12/21/2021 2:38:	122121_glypho	1.00	Gly Q2	4.19e+003	N/A	8.91e+005	< 0	N/A
59	WBL0426-15	Unknown	12/21/2021 2:38:	122121_glypho	1.00	AMPA Q1	4.92e+003	N/A	8.91e+005	< 0	N/A
60	WBL0426-15	Unknown	12/21/2021 2:38:	122121_glypho	1.00	AMPA Q2	2.86e+003	N/A	8.91e+005	< 0	N/A

	Sample Name	Sample Type	Acquisition Date	File Name	Dilution Factor	Analyte Peak Name	Analyte Peak Area (counts)	Analyte Concentration (ng/mL)	IS Peak Area (counts)	Calculated Concentration (ng/mL)	Accuracy (%)
61	MBL0036-01	Unknown	12/21/2021 2:45:	122121_glypho	1.00	Gly Q1	2.02e+004	N/A	2.56e+006	< 0	N/A
62	MBL0036-01	Unknown	12/21/2021 2:45:	122121_glypho	1.00	Gly Q2	6.76e+003	N/A	2.56e+006	< 0	N/A
63	MBL0036-01	Unknown	12/21/2021 2:45:	122121_glypho	1.00	AMPA Q1	7.07e+003	N/A	2.56e+006	< 0	N/A
64	MBL0036-01	Unknown	12/21/2021 2:45:	122121_glypho	1.00	AMPA Q2	3.12e+003	N/A	2.56e+006	< 0	N/A
65	MBL0036-02	Unknown	12/21/2021 2:52:	122121_glypho	1.00	Gly Q1	1.82e+004	N/A	2.55e+006	< 0	N/A
66	MBL0036-02	Unknown	12/21/2021 2:52:	122121_glypho	1.00	Gly Q2	6.40e+003	N/A	2.55e+006	< 0	N/A
67	MBL0036-02	Unknown	12/21/2021 2:52:	122121_glypho	1.00	AMPA Q1	5.26e+003	N/A	2.55e+006	< 0	N/A
68	MBL0036-02	Unknown	12/21/2021 2:52:	122121_glypho	1.00	AMPA Q2	2.38e+003	N/A	2.55e+006	< 0	N/A
69	CCV 12.5/25 ppb	Quality Contr	12/21/2021 2:59:	122121_glypho	1.00	Gly Q1	9.72e+005	12.5	3.31e+006	10.7	85.4
70	CCV 12.5/25 ppb	Quality Contr	12/21/2021 2:59:	122121_glypho	1.00	Gly Q2	3.78e+005	12.5	3.31e+006	10.8	86.7
71	CCV 12.5/25 ppb	Quality Contr	12/21/2021 2:59:	122121_glypho	1.00	AMPA Q1	5.88e+005	25.0	3.31e+006	20.1	80.5
72	CCV 12.5/25 ppb	Quality Contr	12/21/2021 2:59:	122121_glypho	1.00	AMPA Q2	2.52e+005	25.0	3.31e+006	20.7	82.6

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:	12/13/2021
PAGE:	1 of 1

AECOS REPORT OF RESULTS

SAMPLE TYPE: stormwater
DATE SAMPLED: 12/07/2021
TEMP. CONTROL: 9.8 °C
DATE/TIME ANALYZED: 12/07/2021 @1618-1648
***AECOS* LOG No.:** 44253
DATE/TIME RECEIVED: 12/07/2021 @1554
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*
	METHOD →	ASTM D650399	---	---	---
SAMPLE ID ⇩	TIME SAMPLED ⇩				
D-3	0830	6900	10	49	32
D-4	0830	1800	*10*	*46*	*16*
D-5	0845	1200	*10*	*42*	*12*
DW-3	0900	1000	*10*	*38*	*17*
D-8	0900	5200	*10*	*49*	*27*
WW-2	0900	120	*10*	*10*	*1*
E-1	0900	4000	*10*	*48*	*28*
E-1 Dup	0905	4100	*10*	*49*	*23*
WW-3	0915	300	*10*	*20*	*4*
DW-2	0925	910	*10*	*38*	*11*
U-2 / WW-5	0930	11,000	*10*	*49*	*40*
D-6	0935	20,000	*10*	*49*	*46*
E-2	1000	340	*10*	*22*	*4*
WW_6	1000	2900	*10*	*49*	*17*
D-2	1015	770	*10*	*33*	*14*
U-3 / WW-4	1030	140	*10*	*12*	*0*
DW-1 / WW-1	1045	610	*10*	*34*	*4*
D-7	1050	1700	*10*	*48*	*9*

for 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. 1494

LOG NUMBER [044253]

CLIENT: Cardno

ADDRESS: 737 Bishop St. Suite 2050 Honolulu, HI 96813

CONTACT: Ben Berridge

PHONE No.: ☎ 808-476-0067

Purchase Order No.:

☐ RUSH
☐ SEE REVERSE

SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	D-3	12-7-2021	8:30	Stormwater	1	idexx	enterococci	
2	✓	D-4		8:30					
3	✓	D-5		8:45					
4	✓	DW-3		9:00					
5	✓	D-8		9:00					
6	✓	WW-2		9:00					
7	✓	E-1		9:00					
8	✓	E-1 DUP		9:05					
9	✓	WW-3		9:15					
10	✓	DW-2		9:25					

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 12/07 20 21

PRINT NAME Ben Berridge 12/07/21

RELINQUISHED: DATE 20 21

SIGNATURE BBJ TIME 1554

RECEIVED BY: DATE 20___

SIGNATURE TIME

RELINQUISHED: DATE 20___

SIGNATURE OR INITIALS TIME

RECEIVED FOR LABORATORY: DATE 12/7 20 21

SIGNATURE TIME 1554

RELINQUISHED: DATE 20___

SIGNATURE OR INITIALS TIME

COMMENTS: T=9.8°C wet IR
No temperature control included

PRECAUTIONS:

DISPOSAL:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK

Temp measured on E2 after processing 10mL

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 [44253]

CLIENT: Cardno
ADDRESS: 737 Bishop St. suite 2050 Honolulu HI 96813

CONTACT: Ben Berridge
PHONE No.: ☎ 808-476 0067
Purchase Order No.:

☐ RUSH
☐ SEE REVERSE
SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	V-2/WW-5	12-7-2021	9:30	Stormwater	1	idexx	Enterococci	
2	✓	D-6		9:35					
3	✓	E-2		10:00					
4	✓	WW-6		10:00					
5	✓	D-2		10:15					
6	✓	V-3/WW-4		10:30					
7	✓	DW-1/WW-1		10:45					
8		D-7		10:50					
9									
10									

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

SAMPLED BY: DATE 12/07 20 21
PRINT NAME Ben Berridge 12/07 DATE
RELINQUISHED: 20 21
SIGNATURE TIME 1554
COMMENTS:

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

RECEIVED FOR LABORATORY: DATE 12/7 20 21
SIGNATURE TIME 1554
RELINQUISHED: DATE 20___
SIGNATURE OR INITIALS TIME
DISPOSAL:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK