OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

TRANSMITTAL MEMORANDUM

From: OnSite Environmental Inc.
To: Hillary Ritenberg, Port of Seattle - Seaport

Date: October 23, 2009
Project Name: T115_SW Tank
Reference: S_LB1504
Laboratory Reference Number: 0910-074
Subject: Tier 3 Data Deliverables

Description: Results of NWTPH-Dx and Dissolved Metals EPA 200.8/7470A.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 23, 2009

Hillary Ritenberg
Port of Seattle
Environmental Department
2711 Alaskan Way
Seattle, WA 98121

Re: Analytical Data for Project T115_SW Tank
Laboratory Reference No. 0910-074

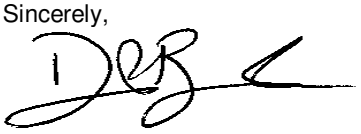
Dear Hillary:

Enclosed are the analytical results and associated quality control data for samples submitted on October 8, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

Date of Report: October 23, 2009
Samples Submitted: October 8, 2009
Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

Case Narrative

Samples were collected on October 7, 2009 and received by the laboratory on October 8, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C. Please see Sample/Cooler Receipt form at the end of the report.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: October 23, 2009
Samples Submitted: October 8, 2009
Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
T115_SWTNK_MW17_100709_IN	10-074-01	Water	10-7-09	10-8-09	
T115_SWTNK_MW15_100709_IN	10-074-02	Water	10-7-09	10-8-09	
T115_SWTNK_MW16_100709_IN	10-074-03	Water	10-7-09	10-8-09	
T115_SWTNK_MW19_100709_IN	10-074-04	Water	10-7-09	10-8-09	
T115_SWTNK_MW19_100709_IFD	10-074-05	Water	10-7-09	10-8-09	
T115_SWTNK_MW21_100709_IN	10-074-06	Water	10-7-09	10-8-09	

Date of Report: October 23, 2009
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Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-074-01				
Client ID:	**T115-SWTNK-MW17-100709-IN**				
Diesel Range	**ND**	0.25	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.41	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	84%	50-150			
Lab ID:	10-074-02				
Client ID:	**T115-SWTNK-MW15-100709-IN**				
Diesel Range	**ND**	0.27	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.43	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	85%	50-150			
Lab ID:	10-074-03				
Client ID:	**T115-SWTNK-MW16-100709-IN**				
Diesel Range	**ND**	0.25	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.40	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	92%	50-150			
Lab ID:	10-074-04				
Client ID:	**T115-SWTNK-MW19-100709-IN**				
Diesel Range Organics	**0.64**	0.25	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.40	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	90%	50-150			
Lab ID:	10-074-05				
Client ID:	**T115-SWTNK-MW19-100709-IFD**				
Diesel Range Organics	**0.76**	0.25	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.40	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	92%	50-150			

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NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-074-06				
Client ID:	**T115-SWTNK-MW21-100709-IN**				
Diesel Range	**ND**	0.25	10-14-09	10-14-09	Y
Lube Oil Range	**ND**	0.40	10-14-09	10-14-09	Y
Surrogate: o-terphenyl	84%	50-150			

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Service Directive: S_LB1504

DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-074-01					
Client ID:	**T115-SWTNK-MW17-100709-IN**					
Arsenic	**ND**	3.0	200.8	10-8-09	10-22-09	
Barium	**46**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**ND**	1.0	200.8	10-8-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	
Lab ID:	10-074-02					
Client ID:	**T115-SWTNK-MW15-100709-IN**					
Arsenic	**42**	3.0	200.8	10-8-09	10-22-09	
Barium	**31**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**9.8**	1.0	200.8	10-8-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	

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Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-074-03					
Client ID:	**T115-SWTNK-MW16-100709-IN**					
Arsenic	**ND**	3.0	200.8	10-8-09	10-22-09	
Barium	**200**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**ND**	1.0	200.8	10-8-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	
Lab ID:	10-074-04					
Client ID:	**T115-SWTNK-MW19-100709-IN**					
Arsenic	**5.5**	3.0	200.8	10-8-09	10-22-09	
Barium	**ND**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**ND**	1.0	200.8	10-8-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-074-05					
Client ID:	**T115-SWTNK-MW19-100709-IFD**					
Arsenic	**5.0**	3.0	200.8	10-8-09	10-22-09	
Barium	**ND**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**ND**	1.0	200.8	10-22-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	
Lab ID:	10-074-06					
Client ID:	**T115-SWTNK-MW21-100709-IN**					
Arsenic	**3.6**	3.0	200.8	10-8-09	10-22-09	
Barium	**26**	25	200.8	10-8-09	10-22-09	
Cadmium	**ND**	4.0	200.8	10-8-09	10-22-09	
Chromium	**ND**	10	200.8	10-8-09	10-22-09	
Lead	**ND**	1.0	200.8	10-8-09	10-22-09	
Mercury	**ND**	0.50	7470A	10-8-09	10-16-09	
Selenium	**ND**	5.0	200.8	10-8-09	10-22-09	
Silver	**ND**	10	200.8	10-8-09	10-22-09	
Tin	**ND**	100	200.8	10-8-09	10-22-09	
Zinc	**ND**	25	200.8	10-8-09	10-22-09	

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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-14-09
Date Analyzed:	10-14-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB1014W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	79%
Flags:	Y

Date of Report: October 23, 2009
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Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-14-09	
Date Analyzed:	10-14-09	
Matrix:	Water	
Units:	mg/L (ppm)	
Lab ID:	10-074-06	10-074-06 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.25	0.26
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	84%	85%
Flags:	Y	Y

Date of Report: October 23, 2009
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Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Contol Limits
DF2CCV1014R-V1	100	99.7	0	+/-15%
DF2CCV1014R-V2	100	99.6	0	+/-15%
DF2CCV1014R-V3	100	104	-4	+/-15%

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Service Directive: S_LB1504

DISSOLVED METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Filtered:	10-8-09
Date Analyzed:	10-16&22-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB1008D1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.0
Barium	200.8	**ND**	25
Cadmium	200.8	**ND**	4.0
Chromium	200.8	**ND**	10
Lead	200.8	**ND**	1.0
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.0
Silver	200.8	**ND**	10
Tin	200.8	**ND**	100
Zinc	200.8	**ND**	25

Date of Report: October 23, 2009
Samples Submitted: October 8, 2009
Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

DISSOLVED METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	10-22-09
Date Analyzed:	10-22-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB1022D1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

Date of Report: October 23, 2009
Samples Submitted: October 8, 2009
Laboratory Reference: 0910-074
Project: T115_SW Tank
Service Directive: S_LB1504

DISSOLVED METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Filtered: 10-8-09
Date Analyzed: 10-16&22-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-074-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.0	
Barium	**46.4**	**45.9**	1	25	
Cadmium	**ND**	**ND**	NA	4.0	
Chromium	**ND**	**ND**	NA	10	
Lead	**ND**	**ND**	NA	1.0	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.0	
Silver	**ND**	**ND**	NA	10	
Tin	**ND**	**ND**	NA	100	
Zinc	**ND**	**ND**	NA	25	

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DISSOLVED METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Filtered: 10-8-09
Date Analyzed: 10-16&22-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-074-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	**209**	105	**220**	110	5	
Barium	200	**258**	106	**253**	103	2	
Cadmium	200	**213**	106	**202**	101	5	
Chromium	200	**189**	94	**205**	102	8	
Lead	200	**197**	98	**199**	99	1	
Mercury	12.5	**13.8**	110	**13.8**	110	0	
Selenium	200	**227**	114	**222**	111	2	
Silver	200	**192**	96	**173**	87	10	
Tin	200	**202**	101	**202**	101	0	
Zinc	200	**226**	113	**214**	107	5	

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DISSOLVED METALS
EPA 200.8/7470A
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV102209E	50.0	49.9	0.20	+/- 10%
Barium	ICV102209E	50.0	48.9	2.2	+/- 10%
Cadmium	ICV102209E	50.0	51.8	-3.6	+/- 10%
Chromium	ICV102209E	50.0	50.1	-0.20	+/- 10%
Lead	ICV102209E	50.0	48.2	3.6	+/- 10%
Mercury	ICV101609Y	5.00	5.39	-7.8	+/- 10%
Selenium	ICV102209E	50.0	53.4	-6.8	+/- 10%
Silver	ICV102209E	50.0	52.7	-5.4	+/- 10%
Tin	ICV102209E	50.0	51.9	-3.8	+/- 10%
Zinc	ICV102209E	50.0	51.8	-3.6	+/- 10%
Arsenic	CCV1102209E	100	99.8	0.20	+/- 10%
Barium	CCV1102209E	100	98.7	1.3	+/- 10%
Cadmium	CCV1102209E	100	99.4	0.60	+/- 10%
Chromium	CCV1102209E	100	96.2	3.8	+/- 10%
Lead	CCV1102209E	100	97.5	2.5	+/- 10%
Mercury	CCV1101609Y	5.00	4.81	3.8	+/- 20%
Selenium	CCV1102209E	100	102	-2.0	+/- 10%
Silver	CCV1102209E	100	97.4	2.6	+/- 10%
Tin	CCV1102209E	100	97.2	2.8	+/- 10%
Zinc	CCV1102209E	100	105	-5.0	+/- 10%
Arsenic	CCV1102209E	40.0	41.3	-3.2	+/- 10%
Barium	CCV1102209E	40.0	40.9	-2.3	+/- 10%
Cadmium	CCV1102209E	40.0	40.7	-1.8	+/- 10%
Chromium	CCV1102209E	40.0	42.5	-6.3	+/- 10%
Lead	CCV1102209E	40.0	41.0	-2.5	+/- 10%
Selenium	CCV1102209E	40.0	42.8	-7.0	+/- 10%
Silver	CCV1102209E	40.0	40.9	-2.3	+/- 10%
Tin	CCV1102209E	40.0	40.1	-0.25	+/- 10%
Zinc	CCV1102209E	40.0	41.4	-3.5	+/- 10%
Arsenic	CCV2102209E	100	101	-1.0	+/- 10%
Barium	CCV2102209E	100	98.1	1.9	+/- 10%
Cadmium	CCV2102209E	100	98.5	1.5	+/- 10%
Chromium	CCV2102209E	100	99.4	0.60	+/- 10%
Lead	CCV2102209E	100	98.4	1.6	+/- 10%
Mercury	CCV2101609Y	5.00	4.87	2.6	+/- 20%
Selenium	CCV2102209E	100	103	-3.0	+/- 10%
Silver	CCV2102209E	100	99.9	0.10	+/- 10%
Tin	CCV2102209E	100	98.9	1.1	+/- 10%
Zinc	CCV2102209E	100	103	-3.0	+/- 10%

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DISSOLVED METALS
EPA 200.8/7470A
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Arsenic	CCV2102209E	40.0	40.1	-0.25	+/- 10%
Barium	CCV2102209E	40.0	41.1	-2.6	+/- 10%
Cadmium	CCV2102209E	40.0	40.2	-0.50	+/- 10%
Chromium	CCV2102209E	40.0	37.3	6.8	+/- 10%
Lead	CCV2102209E	40.0	40.4	-1.0	+/- 10%
Selenium	CCV2102209E	40.0	40.0	0	+/- 10%
Silver	CCV2102209E	40.0	39.9	0.25	+/- 10%
Tin	CCV2102209E	40.0	38.7	3.2	+/- 10%
Zinc	CCV2102209E	40.0	41.7	-4.3	+/- 10%
Arsenic	CCV3102209E	100	102	-2.0	+/- 10%
Barium	CCV3102209E	100	96.8	3.2	+/- 10%
Cadmium	CCV3102209E	100	97.1	2.9	+/- 10%
Chromium	CCV3102209E	100	103	-3.0	+/- 10%
Lead	CCV3102209E	100	98.7	1.3	+/- 10%
Mercury	CCV3101609Y	5.00	4.89	2.2	+/- 20%
Selenium	CCV3102209E	100	102	-2.0	+/- 10%
Silver	CCV3102209E	100	100	0	+/- 10%
Tin	CCV3102209E	100	99.0	1.0	+/- 10%
Zinc	CCV3102209E	100	100	0	+/- 10%
Arsenic	CCV3102209E	40.0	41.3	-3.2	+/- 10%
Barium	CCV3102209E	40.0	41.0	-2.6	+/- 10%
Cadmium	CCV3102209E	40.0	40.8	-2.0	+/- 10%
Chromium	CCV3102209E	40.0	38.4	4.0	+/- 10%
Lead	CCV3102209E	40.0	41.2	-3.0	+/- 10%
Selenium	CCV3102209E	40.0	42.1	-5.3	+/- 10%
Silver	CCV3102209E	40.0	40.3	-0.75	+/- 10%
Tin	CCV3102209E	40.0	38.7	3.2	+/- 10%
Zinc	CCV3102209E	40.0	41.7	-4.3	+/- 10%
Mercury	CCV4101609Y	5.00	4.90	2.0	+/- 20%

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DISSOLVED METALS
EPA 200.8
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Lead	ICV102209E	50.0	49.8	0.40	+/- 10%
Lead	CCV1102209E	100	99.2	0.80	+/- 10%
Lead	CCV1102209E	40.0	41.0	-2.5	+/- 10%
Lead	CCV2102209E	100	98.4	1.6	+/- 10%
Lead	CCV2102209E	40.0	41.2	-3.0	+/- 10%

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

D - Data from 1:____ dilution.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons outside the defined gasoline range are present in the sample.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid cleanup procedure.

Z -

ND - Not Detected at PQL
MRL - Method Reporting Limit
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Port Seattle - Seaport Environmental

Project Number: S-LB1504

Project Name: T115_SWTANK

Project Manager: Hillary Ritenburg

Sampled by: Tim Fitzgerald

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 10-074

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx w/ Silica Gel Acid Clean-up	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8) + Zinc + Tin Dissolved	TCLP Metals	HEM by 1664	% Moisture
1	T115_SWTNK_MW17_100709_IN	7 Oct'09	1430	W	3			2								1			
2	T115_SWTNK_MW15_100709_IN	"	1500	W	3			2								1			
3	T115_SWTNK_MW16_100709_IN	"	1530	W	3			2								1			
4	T115_SWTNK_MW19_100709_IN	"	1630	W	3			2								1			
5	T115_SWTNK_MW19_100709_FD	"	1635	W	3			2								1			
6	T115_SWTNK_MW21_100709_IN	"	1700	W	3			2								1			

	Signature	Company	Date	Time
Relinquished by	Tim Fitzgerald	TZF For POS	8 Oct'09	1135
Received by		OBS	10/8/09	1135
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:

P/S Filter Metals volume at Lab

Zinc + Tin

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Sample/Cooler Receipt and Acceptance Checklist

Client: POS

Client Project Name/Number: SUB1504

OnSite Project Number: 10-074

Initiated by: MR

Date Initiated: 10/8/09

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 0	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup / Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

RAW DATA

Quantitation Report (Not Reviewed)

Data File : 1014-V68.D
Sample : 10-074-01
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 11123 p
Operator : ZT
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 00:29:39 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.324	148041272	42.019 PPM
Spiked Amount	50.000		Recovery =	84.04%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	4713065	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	50099781	11.684 PPM
5) H	Diesel Fuel #2 (11-0...	14.000	57994256	17.391 PPM
6) H	Oil	22.000	38179638	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	38685919	13.632 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	54025810	16.609 PPM
9) H	Oil Combo	22.000	31700495	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	32630312	12.153 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	58841038	17.506 PPM
12) H	Alaska 103 Oil (06-2...	22.000	16013166	3.617 PPM
13) H	Mineral Oil (11-03-08)	16.000	48207404	13.945 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	75423840	NoCal PPM
15) H	ALKANE C9-C40	12.666	88129377	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	41705482	10.396 PPM
17) H	Oil Acid Clean MO Com...	22.000	29310023	17.404 PPM

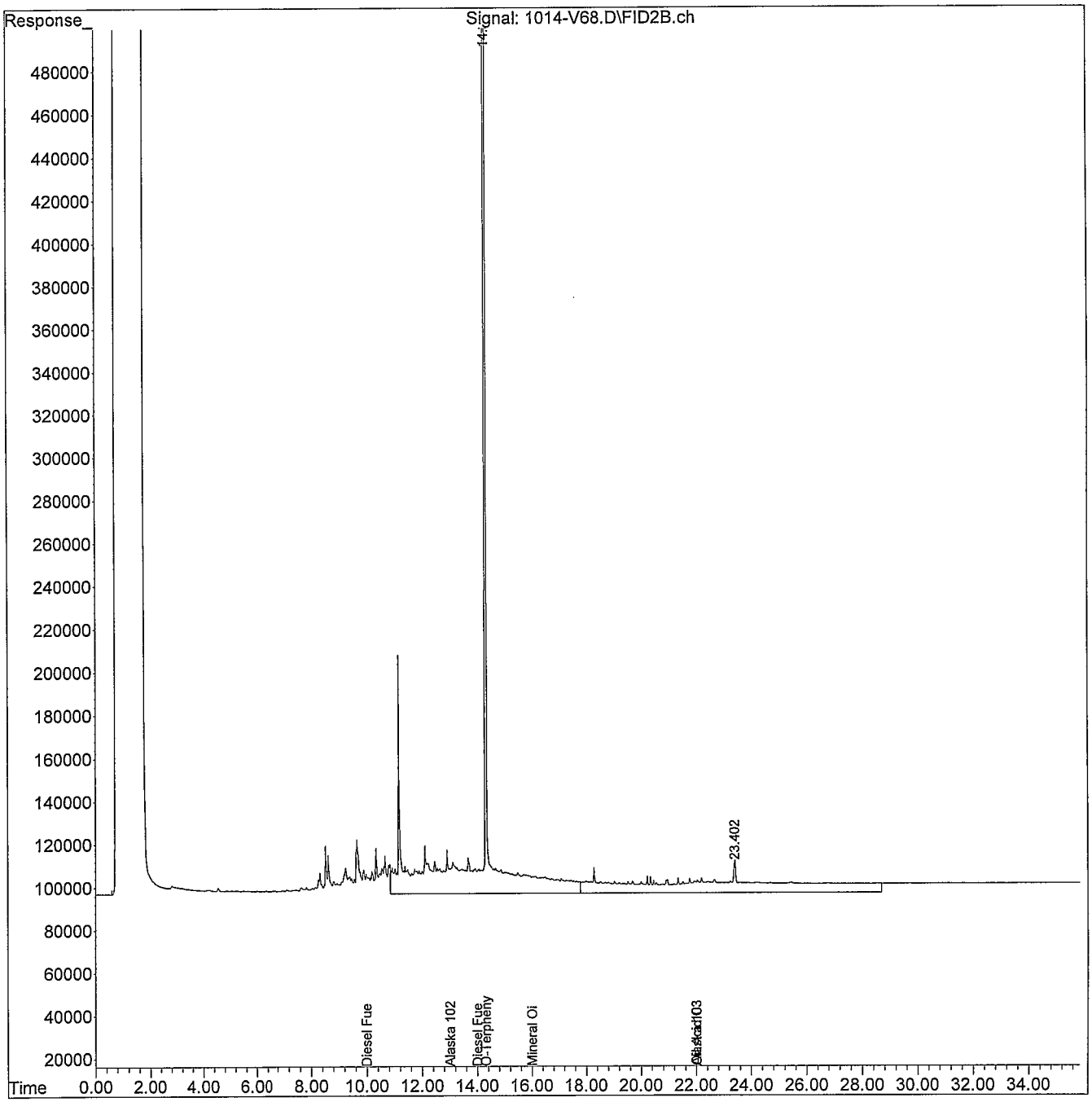
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V68.D
Sample : 10-074-01
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 11123 p
Operator : ZT
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 00:29:39 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V69.D
Sample : 10-074-02
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 12:33 a
Operator : ZT
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 01:09:23 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.324	150432426	42.696 PPM
Spiked Amount	50.000		Recovery =	85.39%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	7766132	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	18886793	N.D. PPM
5) H	Diesel Fuel #2 (11-0...	14.000	22321704	3.578 PPM
6) H	Oil	22.000	35482430	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	36966440	12.760 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	19873781	2.991 PPM
9) H	Oil Combo	22.000	31900466	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	33380488	12.540 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	23274261	3.800 PPM
12) H	Alaska 103 Oil (06-2...	22.000	17506023	4.927 PPM
13) H	Mineral Oil (11-03-08)	16.000	19382546	3.861 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	39316318	NoCal PPM
15) H	ALKANE C9-C40	12.666	55388410	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	13738772	0.197 PPM
17) H	Oil Acid Clean MO Com...	22.000	31375311	18.492 PPM

(f)=RT Delta > 1/2 Window

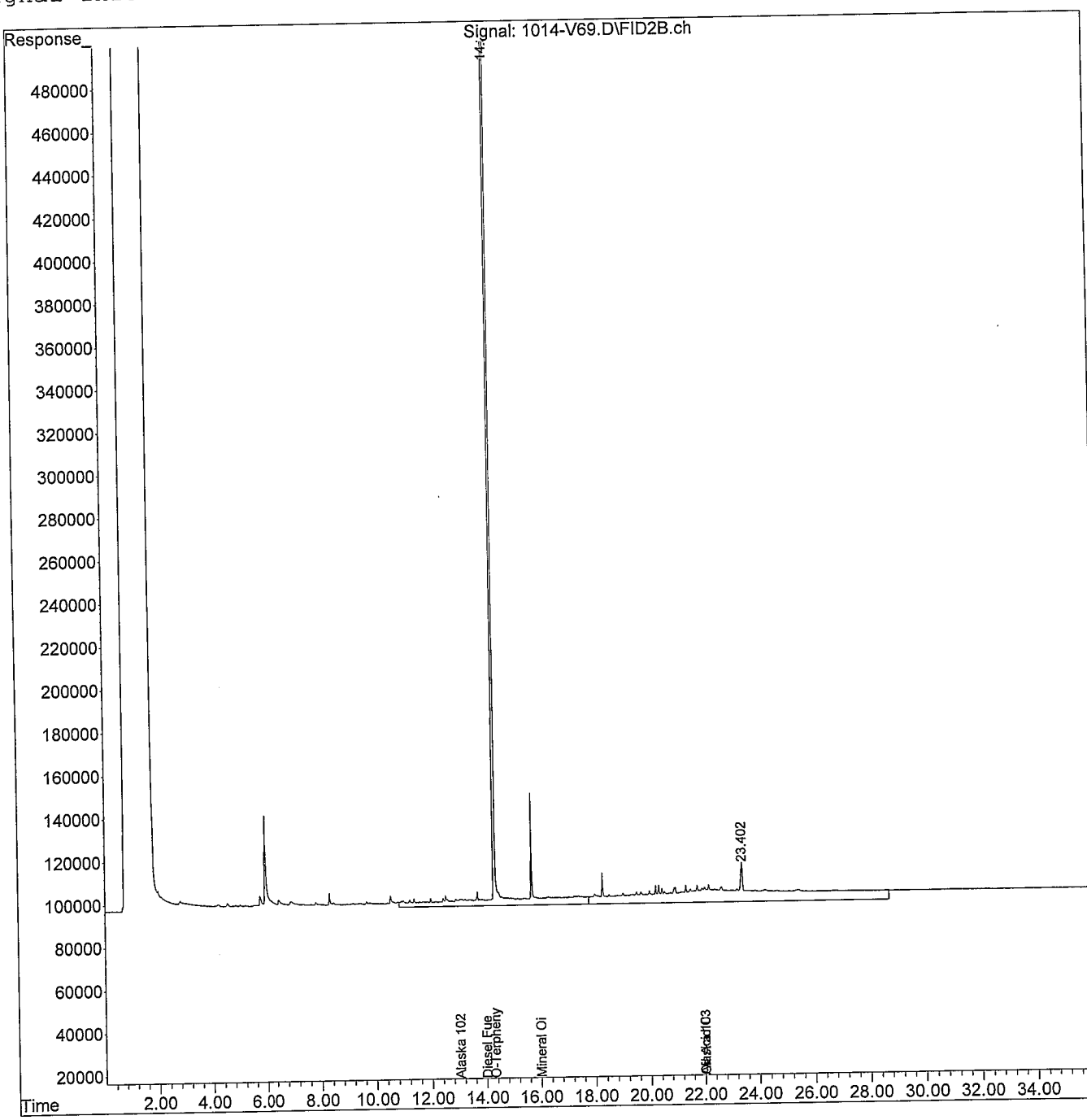
(m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V69.D
Sample : 10-074-02
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 12:33 a
Operator : ZT
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 01:09:23 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V70.D
Sample : 10-074-03
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 1:13 a
Operator : ZT
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 01:49:13 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	O-Terphenyl (11-03-08)	14.325	162288938	46.054	PPM
Spiked Amount	50.000		Recovery =	92.11%	
	Target Compounds				
2)	1-Chlorooctadecane (...	0.000	0	N.D.	PPM
3) H	Gasoline	3.500	5384274	NoCal	PPM
4) H	Diesel Fuel #1 (11-0...	10.000	9489678	N.D.	PPM
5) H	Diesel Fuel #2 (11-0...	14.000	9457668	N.D.	PPM
6) H	Oil	22.000	23040437	NoCal	PPM
7) H	Oil Acid Clean (11-0...	22.000	24625450	6.503	PPM
8) H	Diesel Fuel #2 Combo ...	14.000	8450477	N.D.	PPM
9) H	Oil Combo	22.000	21864822	NoCal	PPM
10) H	Oil Acid Clean Combo ...	22.000	23451508	7.419	PPM
11) H	Alaska 102 DF2 (06-2...	13.025	9831889	N.D.	PPM
12) H	Alaska 103 Oil (06-2...	22.000	10716759	N.D.	PPM
13) H	Mineral Oil (11-03-08)	16.000	8203910	N.D.	PPM
14) H	Bunker C (Fuel Oil #6)	15.000	21985590	NoCal	PPM
15) H	ALKANE C9-C40	12.666	33737904	NoCal	PPM
16) H	Mineral Oil Combo (11...	16.000	5802186	N.D.	PPM
17) H	Oil Acid Clean MO Com...	22.000	22619497	13.879	PPM

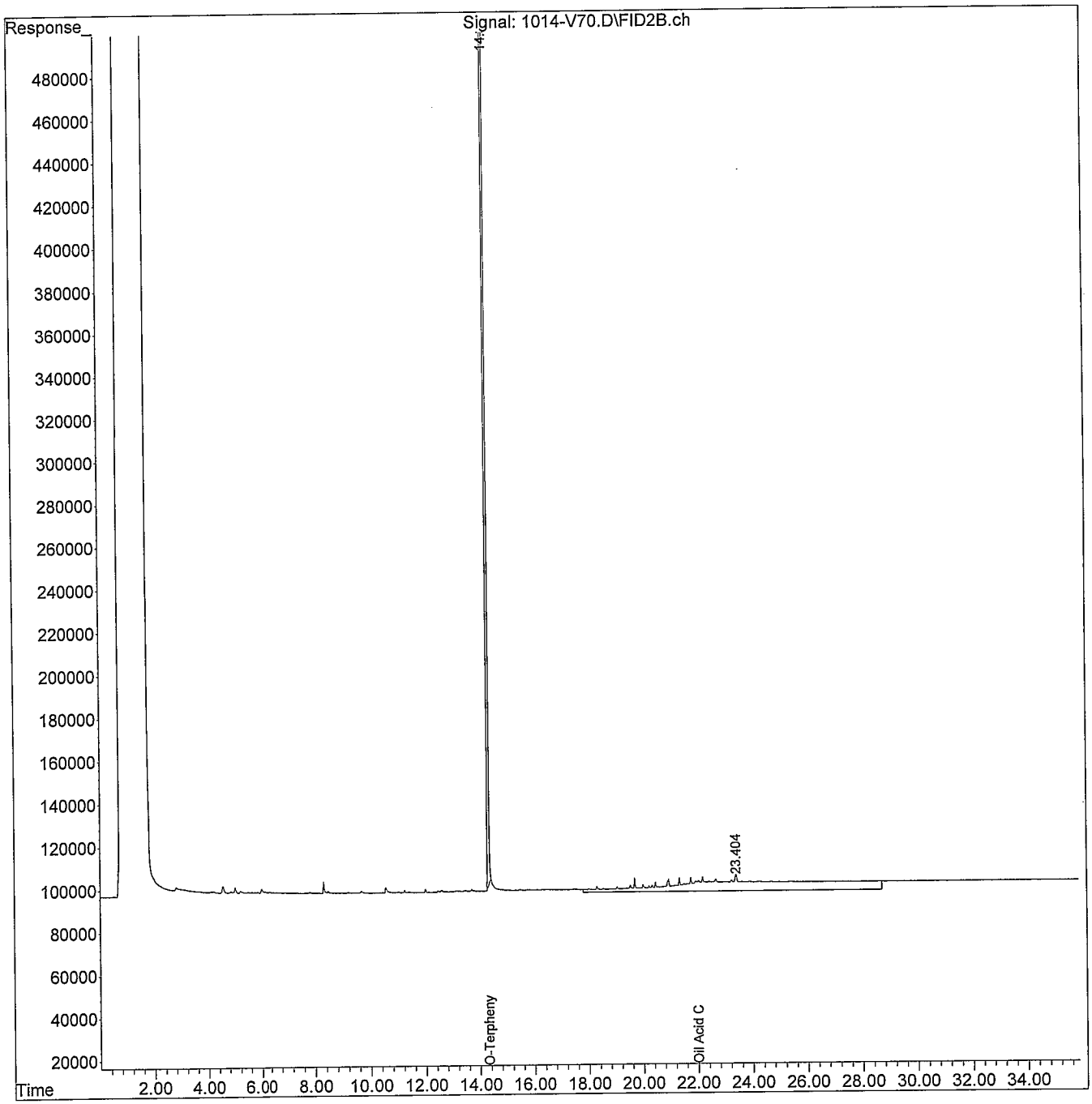
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V70.D
Sample : 10-074-03
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 1:13 a
Operator : ZT
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 01:49:13 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V71.D
Sample : 10-074-04
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 1:52 a
Operator : ZT
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 02:28:58 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.325	158965922	45.113 PPM
Spiked Amount	50.000		Recovery =	90.23%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	7849043	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	168469405	56.383 PPM
5) H	Diesel Fuel #2 (11-0...	14.000	175142225	62.753 PPM
6) H	Oil	22.000	33912536	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	33138970	10.820 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	172958432	64.034 PPM
9) H	Oil Combo	22.000	24472421	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	25504396	8.477 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	175867573	62.604 PPM
12) H	Alaska 103 Oil (06-2...	22.000	11384476	N.D. PPM
13) H	Mineral Oil (11-03-08)	16.000	106413790	34.307 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	171455996	NoCal PPM
15) H	ALKANE C9-C40	12.666	200766164	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	103428134	32.907 PPM
17) H	Oil Acid Clean MO Com...	22.000	23604232	14.398 PPM

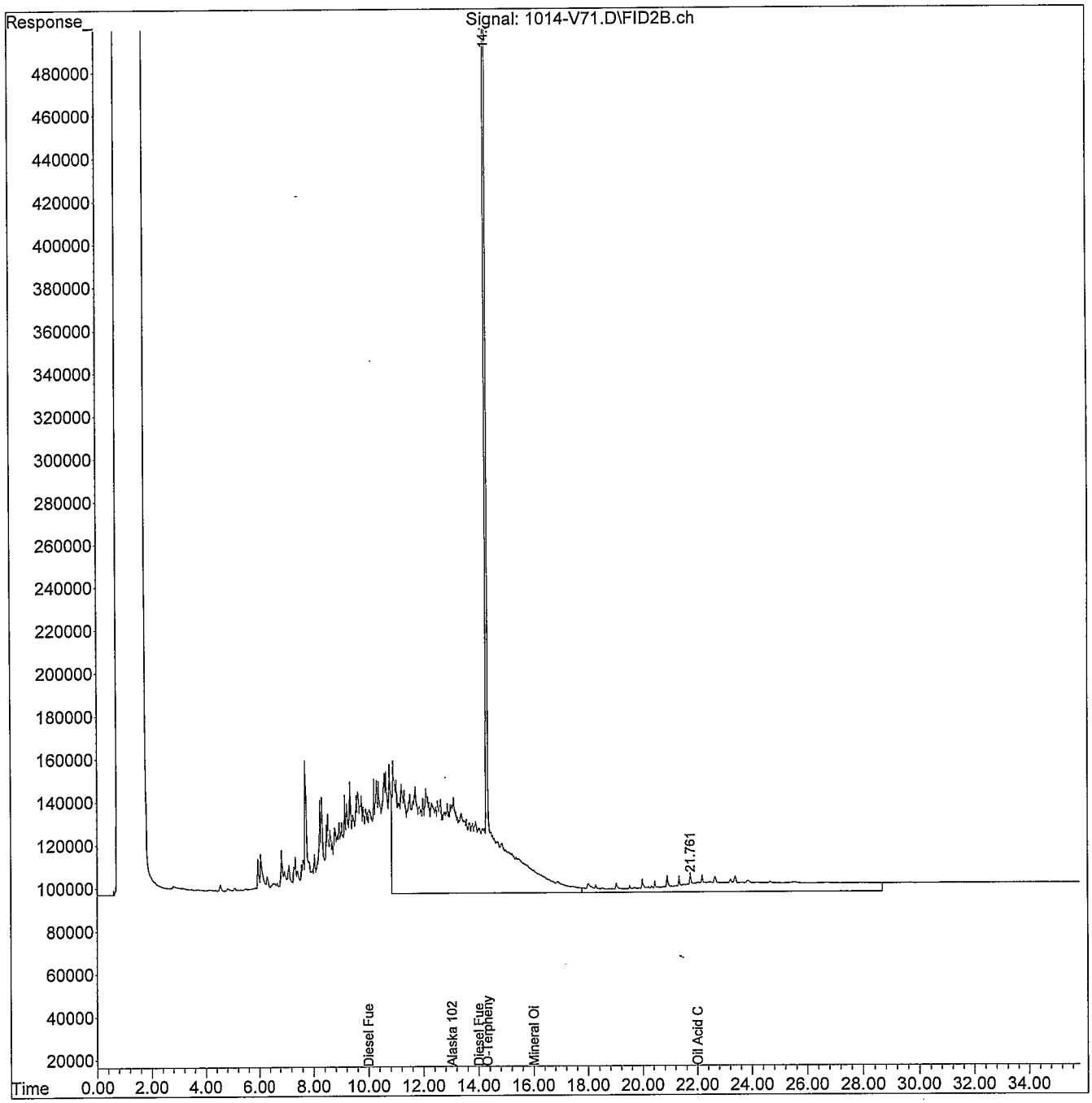
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V71.D
Sample : 10-074-04
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 1:52 a
Operator : ZT
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 02:28:58 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V72.D
Sample : 10-074-05
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 2:32 a
Operator : ZT
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 03:08:42 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	O-Terphenyl (11-03-08)	14.325	162425927	46.093	PPM
Spiked Amount		50.000		Recovery =	92.19%	
		Target Compounds				
2)		1-Chlorooctadecane (...	0.000	0	N.D.	PPM
3)	H	Gasoline	3.500	7811711	NoCal	PPM
4)	H	Diesel Fuel #1 (11-0...	10.000	197684594	67.416	PPM
5)	H	Diesel Fuel #2 (11-0...	14.000	206122248	74.749	PPM
6)	H	Oil	22.000	37040188	NoCal	PPM
7)	H	Oil Acid Clean (11-0...	22.000	35673144	12.104	PPM
8)	H	Diesel Fuel #2 Combo ...	14.000	203552373	76.233	PPM
9)	H	Oil Combo	22.000	25483495	NoCal	PPM
10)	H	Oil Acid Clean Combo ...	22.000	26353700	8.915	PPM
11)	H	Alaska 102 DF2 (06-2...	13.025	206824653	74.533	PPM
12)	H	Alaska 103 Oil (06-2...	22.000	11861416	N.D.	PPM
13)	H	Mineral Oil (11-03-08)	16.000	126501582	41.334	PPM
14)	H	Bunker C (Fuel Oil #6)	15.000	200973987	NoCal	PPM
15)	H	ALKANE C9-C40	12.666	232401574	NoCal	PPM
16)	H	Mineral Oil Combo (11...	16.000	123363000	40.178	PPM
17)	H	Oil Acid Clean MO Com...	22.000	24105365	14.662	PPM

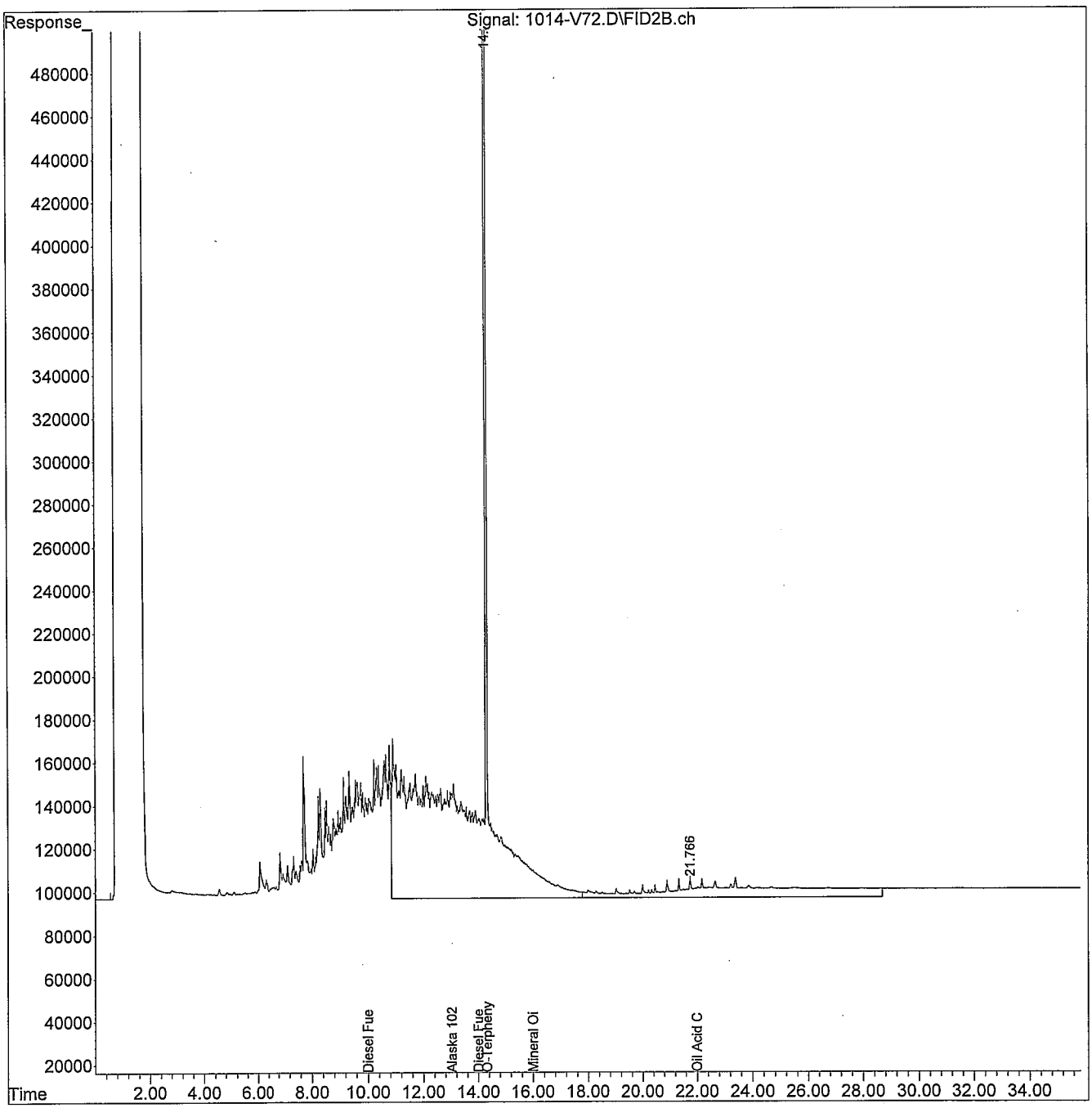
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V72.D
Sample : 10-074-05
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 2:32 a
Operator : ZT
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 03:08:42 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V73.D
Sample : 10-074-06
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 3:12 a
Operator : ZT
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 03:48:23 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.323	147537833	41.876 PPM
Spiked Amount	50.000		Recovery =	83.75%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	5757189	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	17983212	N.D. PPM
5) H	Diesel Fuel #2 (11-0...	14.000	19214900	2.375 PPM
6) H	Oil	22.000	28557572	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	30102730	9.280 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	17556277	2.066 PPM
9) H	Oil Combo	22.000	26632382	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	28210080	9.873 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	19760250	2.446 PPM
12) H	Alaska 103 Oil (06-2...	22.000	13800869	1.677 PPM
13) H	Mineral Oil (11-03-08)	16.000	14538359	2.167 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	33912121	NoCal PPM
15) H	ALKANE C9-C40	12.666	47652351	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	10913191	N.D. PPM
17) H	Oil Acid Clean MO Com...	22.000	26850188	16.108 PPM

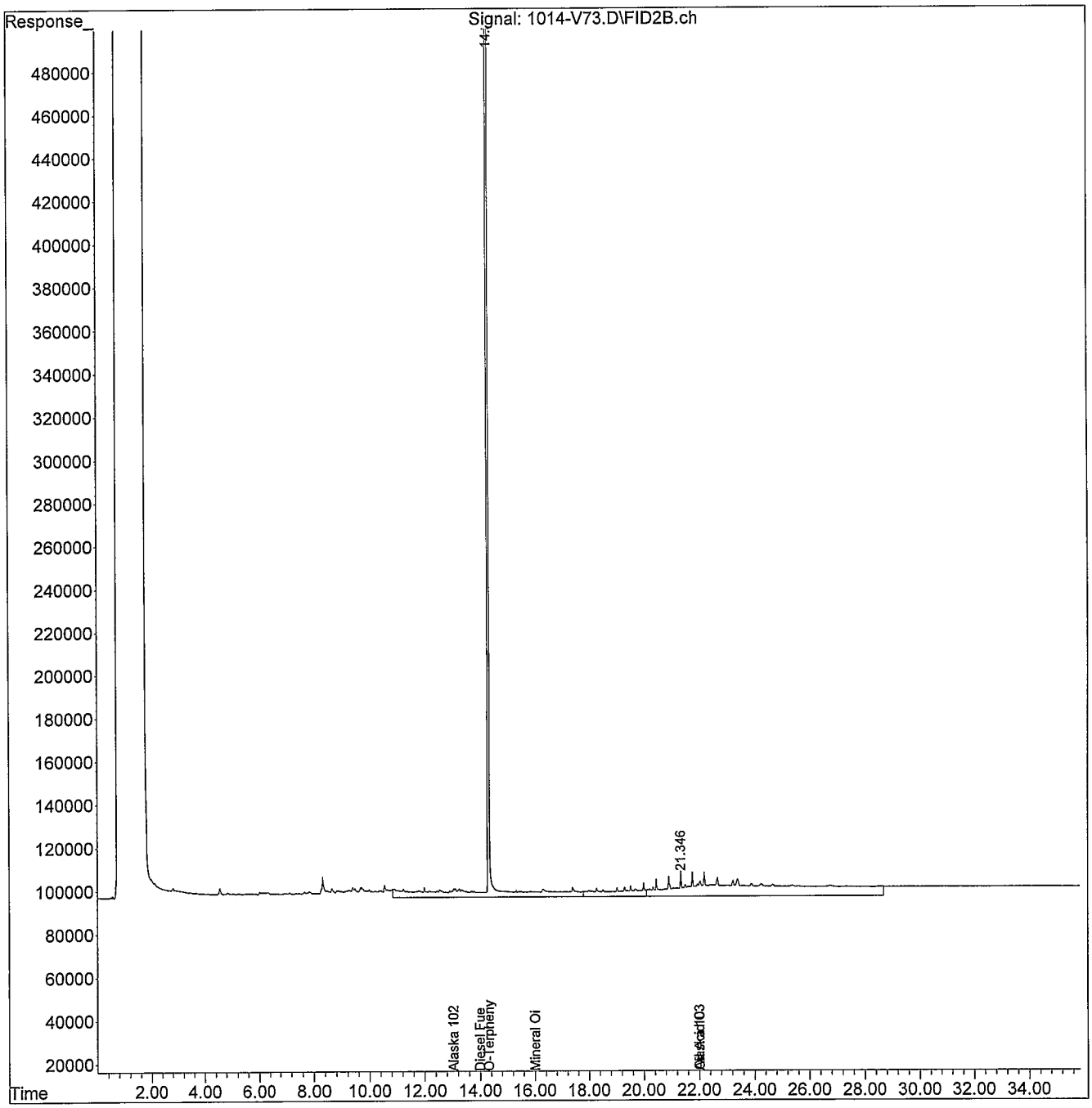
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V73.D
Sample : 10-074-06
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 3:12 a
Operator : ZT
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 03:48:23 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V56.D
Sample : MB1014W1
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 3121 p
Operator : ZT
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 16:17:17 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.322	138792453	39.399 PPM
Spiked Amount	50.000		Recovery =	78.80%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	5218480	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	11995104	N.D. PPM
5) H	Diesel Fuel #2 (11-0...	14.000	13068001	N.D. PPM
6) H	Oil	22.000	28334485	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	30310469	9.386 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	11835565	N.D. PPM
9) H	Oil Combo	22.000	26540283	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	28565975	10.057 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	13455842	0.017 PPM
12) H	Alaska 103 Oil (06-2...	22.000	12450780	0.492 PPM
13) H	Mineral Oil (11-03-08)	16.000	10682881	0.818 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	27744061	NoCal PPM
15) H	ALKANE C9-C40	12.666	41758733	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	8081521	N.D. PPM
17) H	Oil Acid Clean MO Com...	22.000	27538668	16.471 PPM

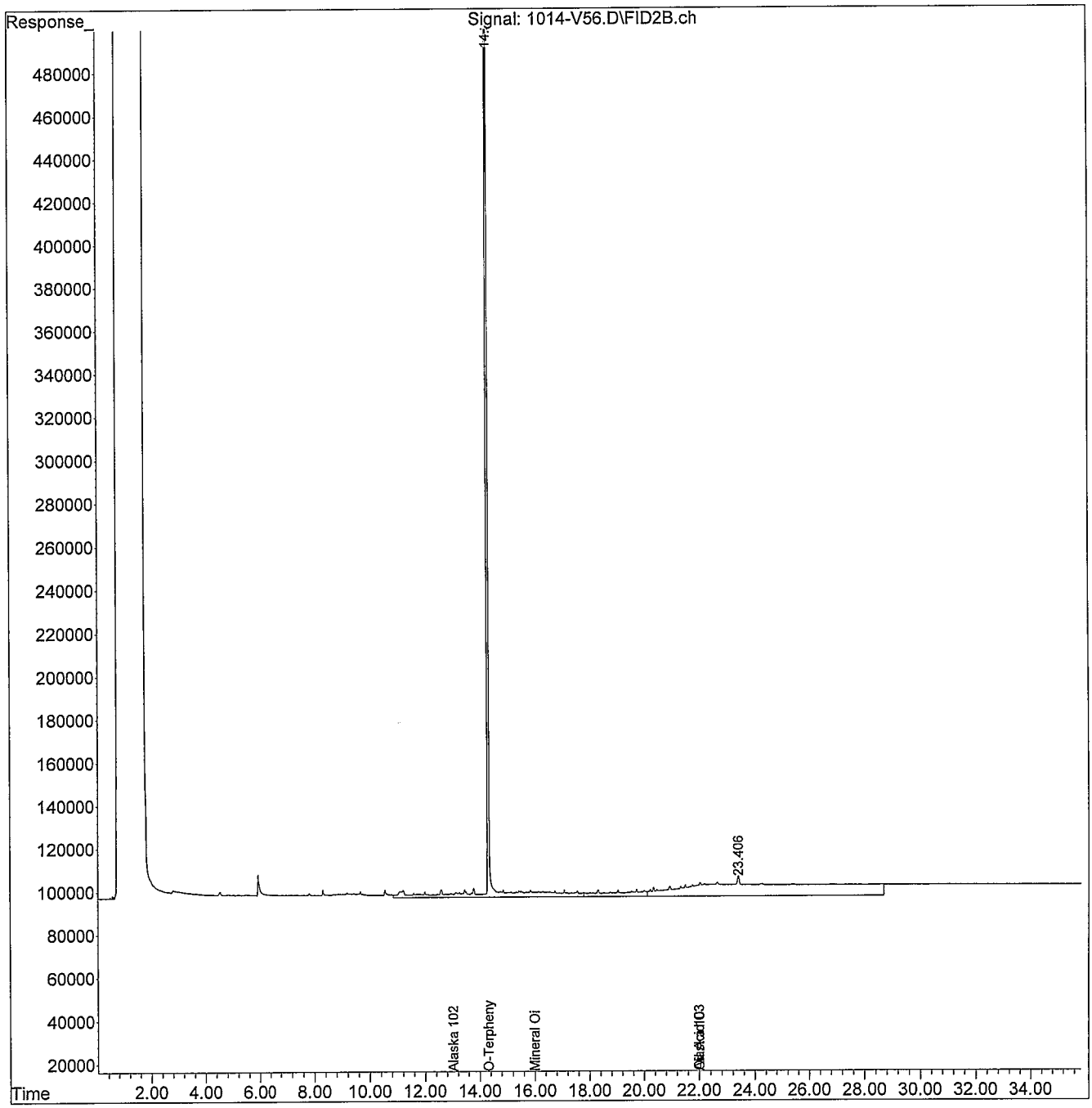
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V56.D
Sample : MB1014W1
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 3121 p
Operator : ZT
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 16:17:17 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V74.D
Sample : 10-074-06 DUP
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 3:52 a
Operator : ZT
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 04:28:06 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.324	149620124	42.466 PPM
Spiked Amount	50.000		Recovery =	84.93%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	5091529	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	13557534	N.D. PPM
5) H	Diesel Fuel #2 (11-0...	14.000	13751622	0.260 PPM
6) H	Oil	22.000	22631271	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	24181781	6.278 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	12759765	0.154 PPM
9) H	Oil Combo	22.000	21348642	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	22931325	7.150 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	14122305	0.273 PPM
12) H	Alaska 103 Oil (06-2...	22.000	10348730	N.D. PPM
13) H	Mineral Oil (11-03-08)	16.000	9739993	0.488 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	25293174	NoCal PPM
15) H	ALKANE C9-C40	12.666	37358905	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	7454483	N.D. PPM
17) H	Oil Acid Clean MO Com...	22.000	22112839	13.612 PPM

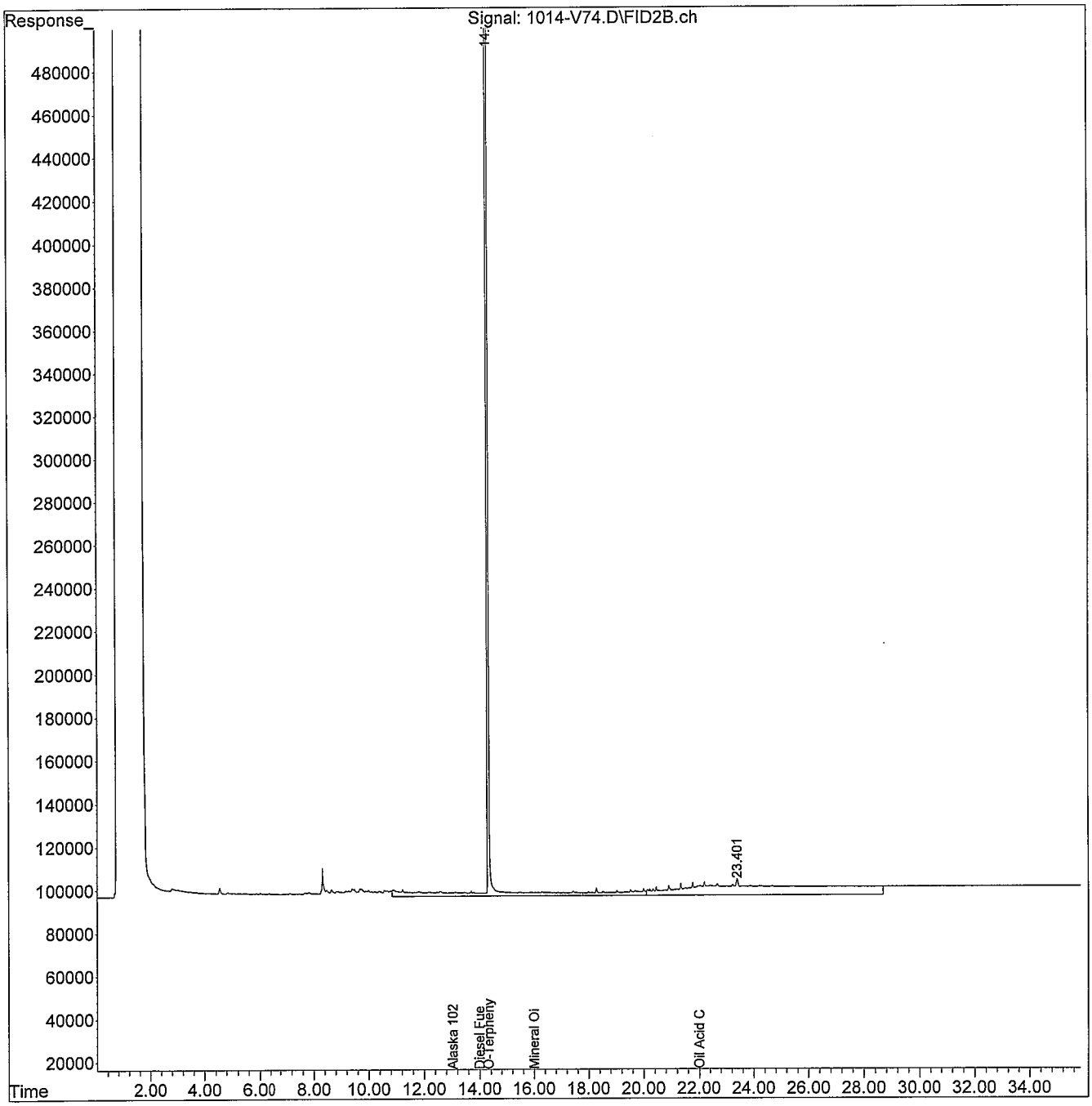
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V74.D
Sample : 10-074-06 DUP
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 3:52 a
Operator : ZT
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 04:28:06 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V53.D
Sample : CCV1014R-V1
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 11:18 a
Operator : ZT
Misc : SV2-89-08
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 11:54:57 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	O-Terphenyl (11-03-08)	14.313	1968545	0.645	PPM
Spiked Amount	50.000		Recovery =	1.29%	
	Target Compounds				
2)	1-Chlorooctadecane (...	0.000	0	N.D.	PPM
3) H	Gasoline	3.500	25793610	NoCal	PPM
4) H	Diesel Fuel #1 (11-0...	10.000	260294214	91.058	PPM
5) H	Diesel Fuel #2 (11-0...	14.000	270610323	99.720	PPM
6) H	Oil	22.000	62961412	NoCal	PPM
7) H	Oil Acid Clean (11-0...	22.000	61635797	25.267	PPM
8) H	Diesel Fuel #2 Combo ...	14.000	264310831	100.461	PPM
9) H	Oil Combo	22.000	43766107	NoCal	PPM
10) H	Oil Acid Clean Combo ...	22.000	44813231	18.437	PPM
11) H	Alaska 102 DF2 (06-2...	13.025	272766929	99.945	PPM
12) H	Alaska 103 Oil (06-2...	22.000	18146307	5.489	PPM
13) H	Mineral Oil (11-03-08)	16.000	174280048	58.048	PPM
14) H	Bunker C (Fuel Oil #6)	15.000	257344670	NoCal	PPM
15) H	ALKANE C9-C40	12.666	320627028	NoCal	PPM
16) H	Mineral Oil Combo (11...	16.000	169617725	57.047	PPM
17) H	Oil Acid Clean MO Com...	22.000	39228722	22.630	PPM

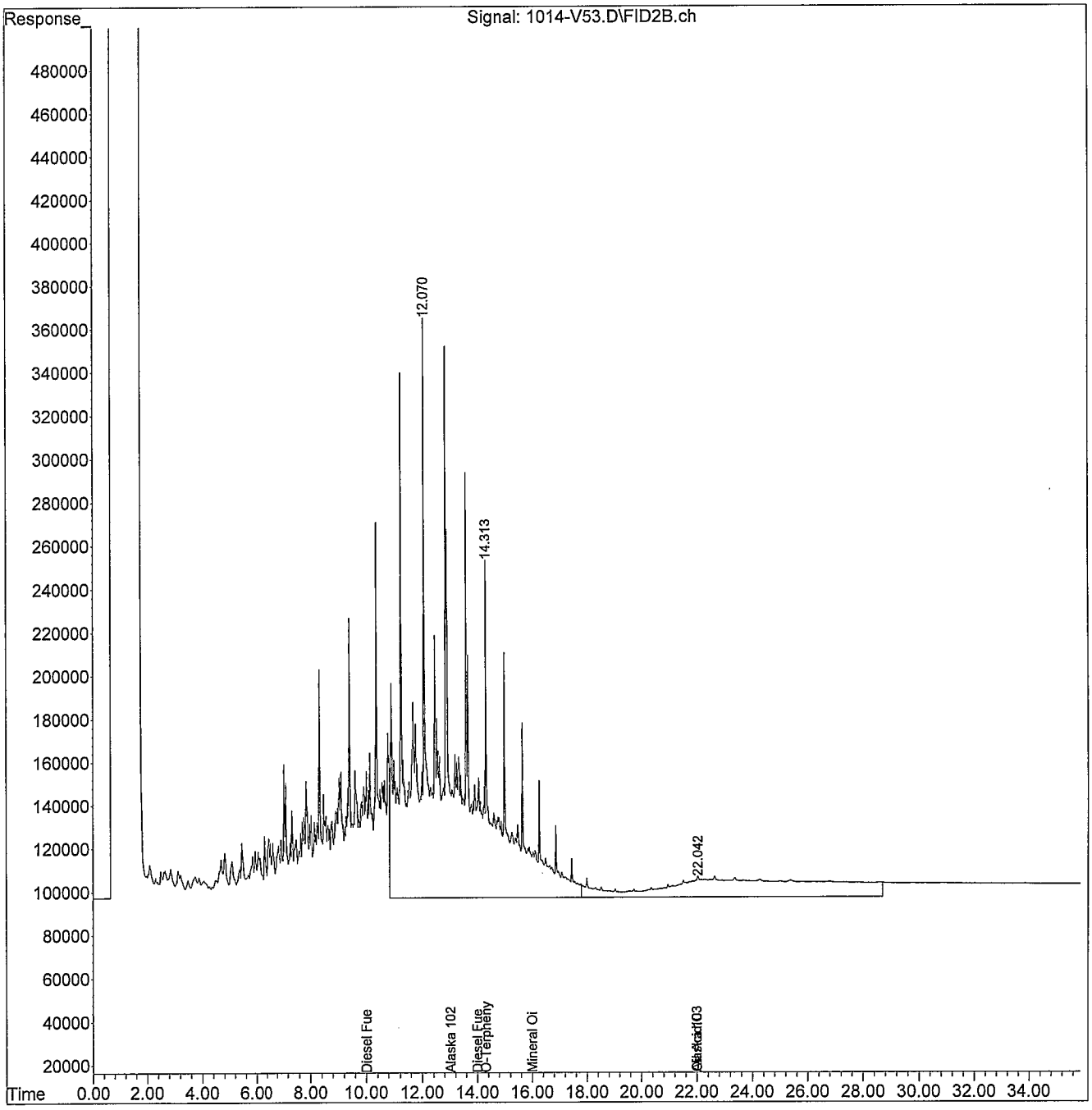
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V53.D
Sample : CCV1014R-V1
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 11:18 a
Operator : ZT
Misc : SV2-89-08
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 11:54:57 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V63.D
Sample : CCV1014R-V2
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 8123 p
Operator : ZT
Misc : SV2-89-08
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 21:09:56 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	O-Terphenyl (11-03-08)	14.313	1967290	0.645	PPM
Spiked Amount	50.000		Recovery =	1.29%	
	Target Compounds				
2)	1-Chlorooctadecane (...	0.000	0	N.D.	PPM
3) H	Gasoline	3.500	25789241	NoCal	PPM
4) H	Diesel Fuel #1 (11-0...	10.000	260026830	90.957	PPM
5) H	Diesel Fuel #2 (11-0...	14.000	270264867	99.587	PPM
6) H	Oil	22.000	48367534	NoCal	PPM
7) H	Oil Acid Clean (11-0...	22.000	46035990	17.358	PPM
8) H	Diesel Fuel #2 Combo ...	14.000	264067764	100.364	PPM
9) H	Oil Combo	22.000	29206624	NoCal	PPM
10) H	Oil Acid Clean Combo ...	22.000	29248005	10.408	PPM
11) H	Alaska 102 DF2 (06-2...	13.025	272354018	99.786	PPM
12) H	Alaska 103 Oil (06-2...	22.000	10346164	N.D.	PPM
13) H	Mineral Oil (11-03-08)	16.000	173287661	57.700	PPM
14) H	Bunker C (Fuel Oil #6)	15.000	246578225	NoCal	PPM
15) H	ALKANE C9-C40	12.666	305027296	NoCal	PPM
16) H	Mineral Oil Combo (11...	16.000	169514551	57.010	PPM
17) H	Oil Acid Clean MO Com...	22.000	23739843	14.469	PPM

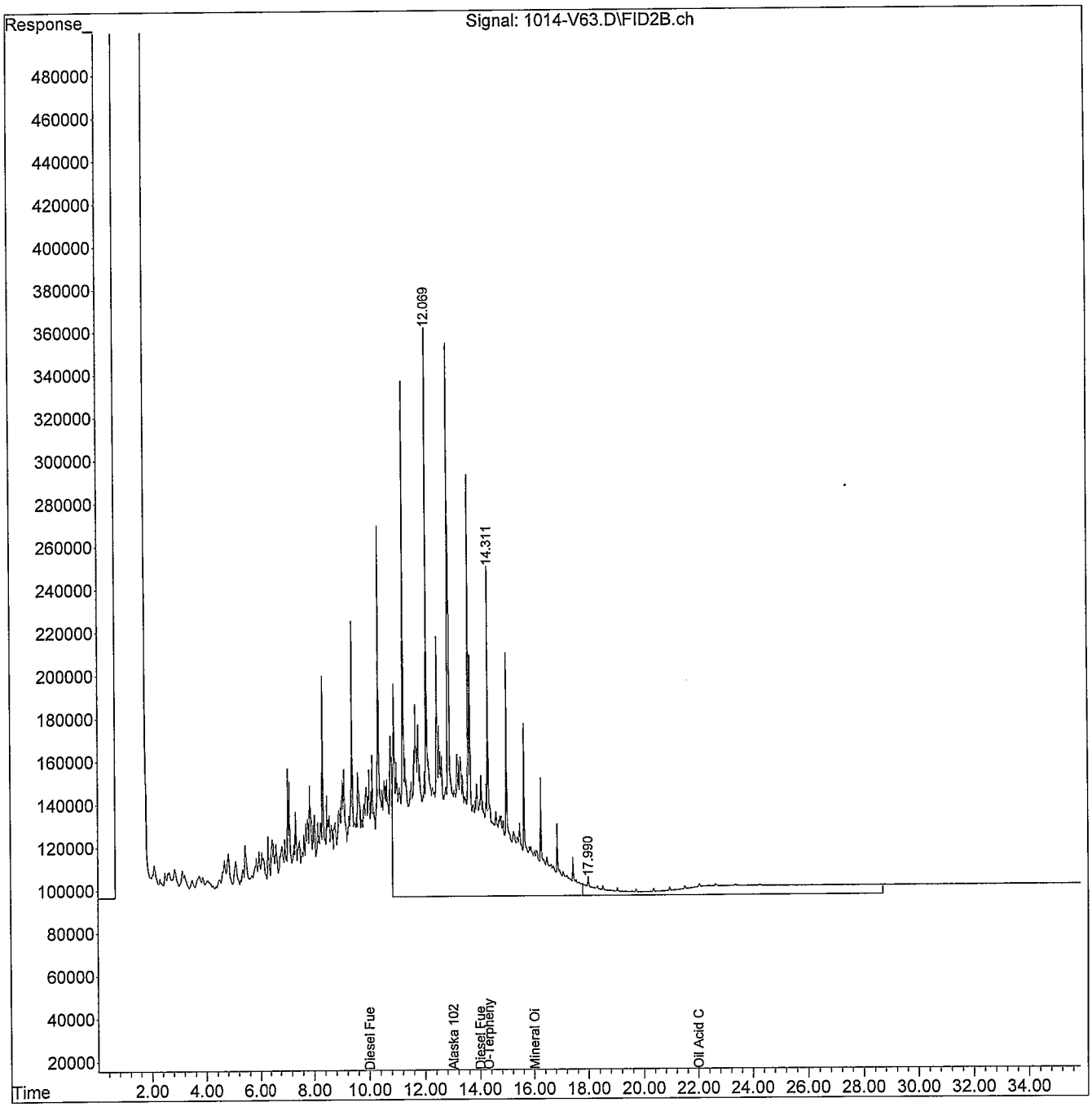
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V63.D
Sample : CCV1014R-V2
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 14 Oct 09 8123 p
Operator : ZT
Misc : SV2-89-08
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 14 21:09:56 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : 1014-V75.D
Sample : CCV1014R-V3
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 4:31 a
Operator : ZT
Misc : SV2-89-08
ALS Vial : 75 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 05:07:51 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-Terphenyl (11-03-08)	14.313	2027929	0.662 PPM
Spiked Amount	50.000		Recovery =	1.32%
	Target Compounds			
2)	1-Chlorooctadecane (...	0.000	0	N.D. PPM
3) H	Gasoline	3.500	27260069	NoCal PPM
4) H	Diesel Fuel #1 (11-0...	10.000	269374050	94.487 PPM
5) H	Diesel Fuel #2 (11-0...	14.000	281117413	103.789 PPM
6) H	Oil	22.000	52871464	NoCal PPM
7) H	Oil Acid Clean (11-0...	22.000	50082158	19.410 PPM
8) H	Diesel Fuel #2 Combo ...	14.000	273951716	104.306 PPM
9) H	Oil Combo	22.000	32547752	NoCal PPM
10) H	Oil Acid Clean Combo ...	22.000	32176680	11.919 PPM
11) H	Alaska 102 DF2 (06-2...	13.025	283438849	104.058 PPM
12) H	Alaska 103 Oil (06-2...	22.000	13168538	1.122 PPM
13) H	Mineral Oil (11-03-08)	16.000	181675394	60.635 PPM
14) H	Bunker C (Fuel Oil #6)	15.000	258532913	NoCal PPM
15) H	ALKANE C9-C40	12.666	318442420	NoCal PPM
16) H	Mineral Oil Combo (11...	16.000	176216728	59.454 PPM
17) H	Oil Acid Clean MO Com...	22.000	25886328	15.600 PPM

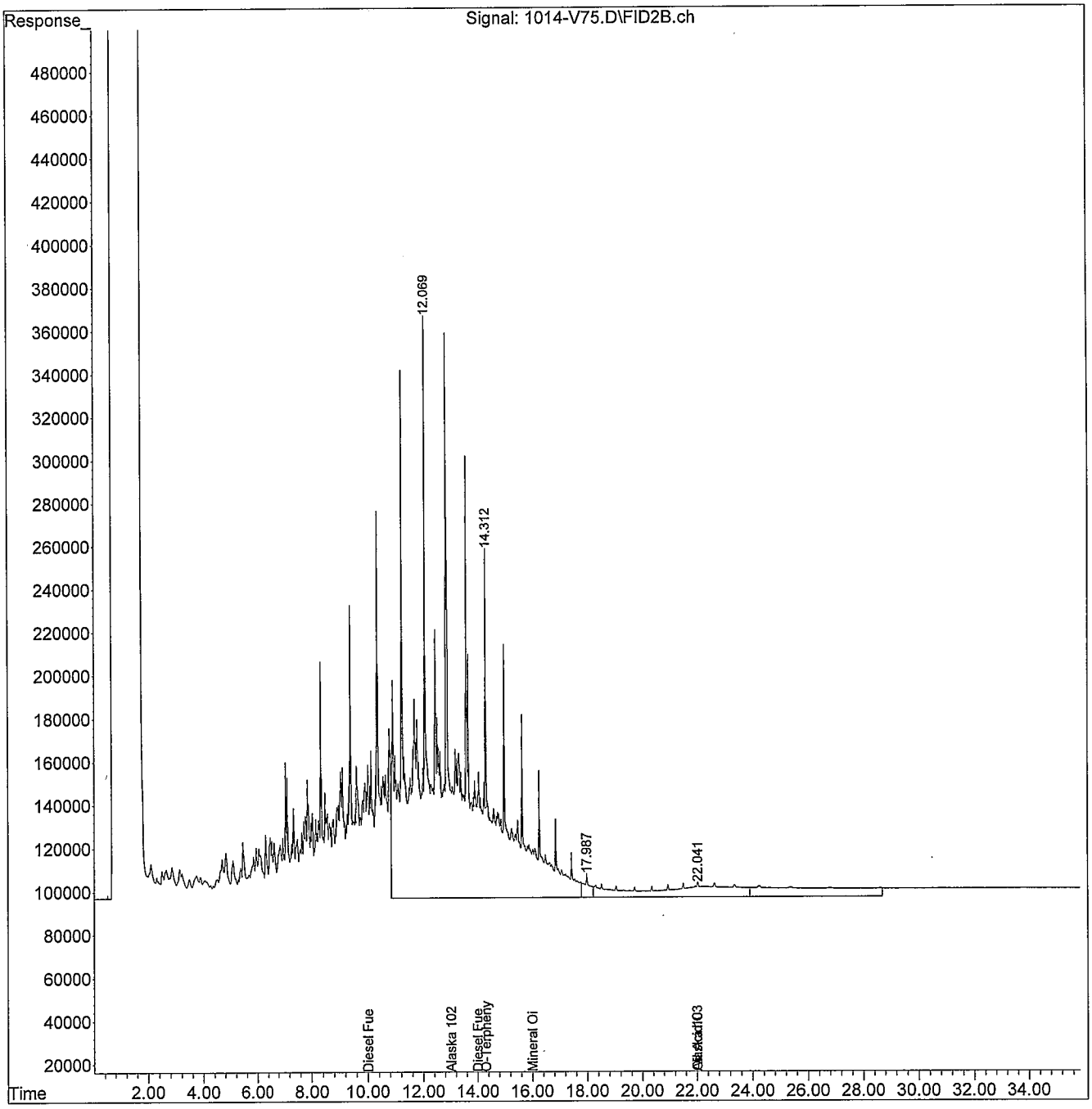
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : 1014-V75.D
Sample : CCV1014R-V3
Data Path : X:\DIESELS\VIGO\DATA\V091014.SEC\
Signal(s) : FID2B.ch
Acq On : 15 Oct 09 4:31 a
Operator : ZT
Misc : SV2-89-08
ALS Vial : 75 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 15 05:07:51 2009
Quant Method : C:\MSDCHEM\2\METHODS\V090624R.M
Quant Title : GCTPH
QLast Update : Fri Oct 19 15:50:31 2007
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



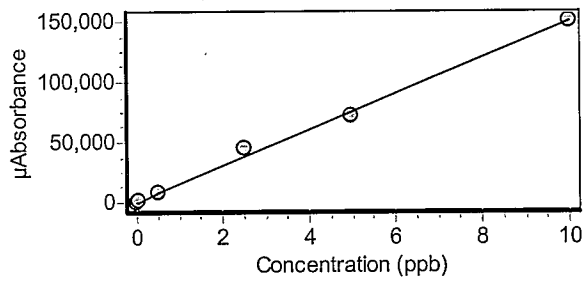
Report Generated By CETAC QuickTrace
Analyst: apodnozova
Worksheet file: C:\Program Files\QuickTrace\Worksheets\10 October 2009\Y091016W1.wsz
Date Started: 10/16/2009 12:36:22 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
Calibration Blank	STD	10/16/09 12:57:07 pm	0.000	57	33.25	
Standard 0.05 ppb	STD	10/16/09 12:58:59 pm	0.050	903	1.03	
Standard 0.5 ppb	STD	10/16/09 01:00:51 pm	0.500	8962	0.26	
Standard 2.5 ppb	STD	10/16/09 01:02:44 pm	2.500	44223	0.06	
Standard 5.0 ppb	STD	10/16/09 01:04:38 pm	5.000	72361	0.30	
Standard 10.0 ppb	STD	10/16/09 01:06:32 pm	10.000	149222	0.28	

Calibration

Equation: A = 56.933 + 14966.120C
R2: 0.99622
SEE: 4252.0390
Flags:



ICV	ICV	10/16/09 01:08:27 pm	5.393	80768	0.28	
% Recovery 107.86						
ICB	ICB	10/16/09 01:10:18 pm	-0.007	-46	12.60	
CCV	CCV	10/16/09 01:12:12 pm	4.814	72106	0.32	
% Recovery 96.28						
CCB	CCB	10/16/09 01:14:03 pm	-0.005	-18	54.52	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
MB1016T1	UNK	10/16/09 01:15:54 pm	0.000	58	8.46	
SB1016T1	UNK	10/16/09 01:17:46 pm	5.425	81241	0.06	
09-029-40	UNK	10/16/09 01:19:38 pm	-0.002	24	6.20	
09-029-40 DUP	UNK	10/16/09 01:21:30 pm	0.000	63	2.02	
09-029-40 L	UNK	10/16/09 01:23:24 pm	0.001	65	6.53	
09-029-40 MS	UNK	10/16/09 01:25:17 pm	5.452	81649	0.40	
09-029-40 MSD	UNK	10/16/09 01:27:10 pm	5.476	82013	0.38	
09-029-41	UNK	10/16/09 01:29:04 pm	-0.001	37	12.64	
10-081-01a	UNK	10/16/09 01:30:55 pm	-0.002	30	1.38	
10-084-01a	UNK	10/16/09 01:32:47 pm	0.001	67	2.16	
CCV	CCV	10/16/09 01:34:40 pm	4.869	72930	0.31	
% Recovery 97.38						
CCB	CCB	10/16/09 01:36:32 pm	-0.006	-33	8.32	
MB1016D1	UNK	10/16/09 01:38:24 pm	-0.001	40	9.77	
SB1016D1	UNK	10/16/09 01:40:16 pm	5.423	81212	0.29	
10-074-01c	UNK	10/16/09 01:42:09 pm	-0.004	-8	21.52	
10-074-01c DUP	UNK	10/16/09 01:44:02 pm	0.004	110	2.22	
10-074-01c L	UNK	10/16/09 01:45:56 pm	-0.001	45	5.73	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
10-074-01c MS	UNK	10/16/09 01:47:50 pm	5.511	82542	0.30	
10-074-01cMSD	UNK	10/16/09 01:49:42 pm	5.500	82376	0.48	
10-074-02c	UNK	10/16/09 01:51:34 pm	0.005	130	2.16	
10-074-03c	UNK	10/16/09 01:53:26 pm	0.000	63	2.26	
10-074-04c	UNK	10/16/09 01:55:18 pm	0.000	57	3.85	
CCV	CCV	10/16/09 01:57:12 pm	4.888	73206	0.43	
% Recovery 97.75						
CCB	CCB	10/16/09 01:59:03 pm	-0.005	-18	23.30	
10-074-05c	UNK	10/16/09 02:00:56 pm	0.003	98	2.32	
10-074-06c	UNK	10/16/09 02:02:49 pm	0.002	81	2.97	
10-116-01d	UNK	10/16/09 02:04:43 pm	0.001	70	4.67	
10-116-02d	UNK	10/16/09 02:06:35 pm	0.000	59	1.68	
10-116-03d	UNK	10/16/09 02:08:28 pm	0.002	94	1.35	
10-116-04d	UNK	10/16/09 02:10:20 pm	0.005	135	1.78	
10-116-05d	UNK	10/16/09 02:12:12 pm	0.006	150	3.16	
10-116-06d	UNK	10/16/09 02:14:05 pm	0.014	265	1.37	
10-116-07d	UNK	10/16/09 02:15:59 pm	0.006	140	2.54	
10-116-08d	UNK	10/16/09 02:17:53 pm	0.008	173	1.39	

Sample Name		Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
CCV		CCV	10/16/09 02:19:46 pm	4.899	73378	0.38	
% Recovery	97.98						
CCB		CCB	10/16/09 02:21:37 pm	0.000	53	0.83	
10-116-09d		UNK	10/16/09 02:23:30 pm	0.006	143	2.43	
10-116-10d		UNK	10/16/09 02:25:23 pm	0.006	150	2.59	
10-116-11d		UNK	10/16/09 02:27:16 pm	0.005	128	2.31	
10-116-12d		UNK	10/16/09 02:29:08 pm	0.005	128	1.94	
CCV		CCV	10/16/09 02:31:02 pm	4.909	73524	0.47	
% Recovery	98.18						
CCB		CCB	10/16/09 02:32:53 pm	0.000	51	5.64	

Sample/Batch Report

User Name: kmckinney
Computer Name: ICPMS2
Sample File: C:\Elandata\Sample\E091022E.sam
Report Date/Time: Thursday, October 22, 2009 18:22:56

A/S Loc.	Batch ID	Sample ID	Description
9	E091022E	MB1008D1 5X	
10	E091022E	SB1008D1 5X	
11	E091022E	10-074-01c 5X	
12	E091022E	10-074-01cD 5X	
13	E091022E	10-074-01cL 25X	
14	E091022E	10-074-01cMS 5X	
15	E091022E	10-074-01cMSD 5X	
16	E091022E	10-074-02c 5X	
17	E091022E	10-074-03c 5X	
18	E091022E	10-074-04c 5X	
19	E091022E	10-074-05c 5X	
20	E091022E	10-074-06c 5X	

Method 200.8 - Summary Report

Sample ID: Blank
Sample Date/Time: Thursday, October 22, 2009 12:58:24
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	328255.728	1.827				ug/L
	Cr	52	12995.414	1.909				ug/L
	Cr	53	5231.891	2.565				ug/L
	Zn	66	971.062	3.445				ug/L
	Zn	67	628.361	8.332				ug/L
	Zn	68	1363.116	2.348				ug/L
>	Ge	72	336194.232	2.765				ug/L
	As	75	14440.329	0.365				ug/L
	As-1	75	489.896	12.899				ug/L
	Se	77	224.338	6.824				ug/L
	Se	78	14866.294	0.253				ug/L
	Br	79	25177.739	1.214				ug/L
	Se	82	356.011	5.202				ug/L
	Kr	83	323.009	2.477				ug/L
	Ag	107	2202.622	2.463				ug/L
	Cd	111	467.097	1.275				ug/L
	Cd	114	35.838	10.007				ug/L
>	In	115	627000.660	3.289				ug/L
	Sn	118	267.007	6.498				ug/L
	Ba	135	44.001	12.026				ug/L
	Ba	137	67.001	1.493				ug/L
>	Tb	159	679301.736	3.794				ug/L
	Pb	208	1305.050	3.230				ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45					
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

Method 200.8 - Summary Report

Sample ID: Standard 1
Sample Date/Time: Thursday, October 22, 2009 13:01:32
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	307650.670	3.291	307650.670			ug/L
	Cr	52	203851.143	4.196	0.623	20.00000	1.14	ug/L
	Cr	53	27860.918	2.074	0.075	20.00000	6.00	ug/L
	Zn	66	26299.621	3.904	0.078	20.00000	2.36	ug/L
	Zn	67	4803.317	2.996	0.013	20.00000	2.91	ug/L
	Zn	68	19377.156	0.435	0.055	20.00000	3.59	ug/L
>	Ge	72	325938.754	3.065	325938.754			ug/L
	As	75	43220.268	3.913	0.090	20.00000	5.33	ug/L
	As-1	75	29841.446	4.589	0.090	20.00000	4.10	ug/L
	Se	77	2376.002	6.151	0.007	20.00000	9.35	ug/L
	Se	78	22031.223	1.839	0.023	20.00000	8.04	ug/L
	Br	79	22281.845	2.989	-0.006			ug/L
	Se	82	3199.928	0.959	0.009	20.00000	2.96	ug/L
	Kr	83	321.342	3.765	-1.667			ug/L
	Ag	107	175809.137	1.798	0.300	20.00000	2.16	ug/L
	Cd	111	38964.910	3.256	0.067	20.00000	2.94	ug/L
	Cd	114	92009.457	1.522	0.159	20.00000	1.87	ug/L
>	In	115	579375.957	0.851	579375.957			ug/L
	Sn	118	127507.256	4.818	0.220	20.00000	4.75	ug/L
	Ba	135	42908.139	1.809	0.067	20.00000	1.17	ug/L
	Ba	137	70339.779	0.478	0.110	20.00000	2.59	ug/L
>	Tb	159	636595.098	2.823	636595.098			ug/L
	Pb	208	530887.031	1.297	0.833	20.00000	3.48	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dupl. Rel. % Diff
>	Sc	45					
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

Method 200.8 - Summary Report

Sample ID: Standard 2
Sample Date/Time: Thursday, October 22, 2009 13:05:47
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\Standard 2.003

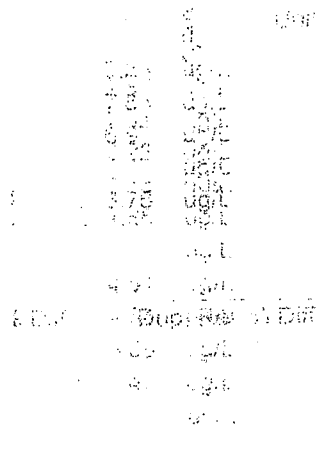
Concentration Results

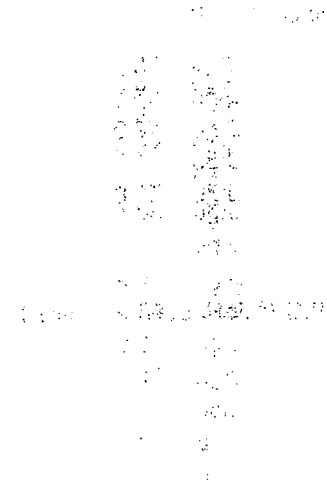
	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	304275.923	2.856	304275.923			ug/L
	Cr	52	395494.781	0.566	1.261	40.09525	2.37	ug/L
	Cr	53	51234.052	5.043	0.153	40.16607	7.31	ug/L
	Zn	66	50597.590	0.545	0.157	40.04867	0.22	ug/L
	Zn	67	9429.652	2.902	0.028	40.61343	3.13	ug/L
	Zn	68	36792.007	1.087	0.112	40.07289	1.88	ug/L
>	Ge	72	317352.833	0.757	317352.833			ug/L
	As	75	73853.801	4.542	0.190	40.44228	4.91	ug/L
	As-1	75	61668.666	5.122	0.193	40.53028	4.64	ug/L
	Se	77	4491.155	4.185	0.013	40.12962	3.89	ug/L
	Se	78	28898.149	0.989	0.047	40.00535	1.49	ug/L
	Br	79	18869.085	0.763	-0.015			ug/L
	Se	82	6162.150	1.529	0.018	40.36589	1.96	ug/L
	Kr	83	302.008	5.658	-21.001			ug/L
	Ag	107	345663.162	2.444	0.594	39.91890	3.09	ug/L
	Cd	111	76826.506	1.787	0.132	39.94167	3.21	ug/L
	Cd	114	175876.744	1.696	0.304	39.64343	1.46	ug/L
>	In	115	578752.912	1.791	578752.912			ug/L
	Sn	118	261097.533	1.958	0.451	40.20619	3.28	ug/L
	Ba	135	85038.501	2.000	0.129	39.68095	7.68	ug/L
	Ba	137	141277.499	1.354	0.215	39.78496	6.97	ug/L
>	Tb	159	658371.382	5.991	658371.382			ug/L
	Pb	208	1059447.501	2.515	1.610	39.72610	3.76	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45					
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208





Method 200.8 - Summary Report

Sample ID: Standard 3
Sample Date/Time: Thursday, October 22, 2009 13:10:02
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	303665.764	4.454	303665.764			ug/L
	Cr	52	1004410.630	0.715	3.273	100.65661	4.69	ug/L
	Cr	53	119162.778	2.649	0.377	99.88426	7.11	ug/L
	Zn	66	122326.124	1.166	0.368	98.95653	1.30	ug/L
	Zn	67	22879.334	3.077	0.067	99.72452	3.92	ug/L
	Zn	68	91655.917	3.026	0.274	99.65523	2.46	ug/L
>	Ge	72	330150.502	0.748	330150.502			ug/L
	As	75	161785.637	3.288	0.447	99.18765	4.38	ug/L
	As-1	75	150319.632	2.700	0.454	99.20380	3.45	ug/L
	Se	77	11384.245	3.881	0.034	100.10393	3.22	ug/L
	Se	78	50242.033	2.962	0.108	98.61473	5.14	ug/L
	Br	79	16283.403	1.938	-0.026			ug/L
	Se	82	14273.674	1.405	0.042	98.71112	2.00	ug/L
	Kr	83	302.008	8.590	-21.001			ug/L
	Ag	107	858871.665	1.485	1.442	99.47196	5.09	ug/L
	Cd	111	194043.800	3.239	0.326	99.76288	6.98	ug/L
	Cd	114	441469.900	1.680	0.742	99.46197	2.89	ug/L
>	In	115	595048.750	4.016	595048.750			ug/L
	Sn	118	635846.829	0.930	1.069	99.19792	4.74	ug/L
	Ba	135	198447.926	1.609	0.309	99.09949	0.79	ug/L
	Ba	137	362247.636	0.512	0.565	100.72481	1.60	ug/L
>	Tb	159	641151.251	1.928	641151.251			ug/L
	Pb	208	2631588.958	1.468	4.103	100.21012	2.01	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45					
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

Method 200.8 - Summary Report

Sample ID: QC Std 1
Sample Date/Time: Thursday, October 22, 2009 13:15:07
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 1.005

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	301026.092	3.271	301026.092			ug/L
	Cr	52	466149.219	2.185	1.509	46.42534	1.57	ug/L
	Cr	53	61692.722	3.321	0.189	50.10856	6.65	ug/L
	Zn	66	61417.753	1.670	0.193	51.84972	1.68	ug/L
	Zn	67	10970.058	1.018	0.033	48.87329	0.98	ug/L
	Zn	68	45963.127	3.639	0.142	51.83107	3.82	ug/L
>	Ge	72	314131.337	0.561	314131.337			ug/L
	As	75	83583.022	4.177	0.223	49.48462	4.47	ug/L
	As-1	75	72120.568	3.416	0.228	49.85383	3.10	ug/L
	Se	77	5624.799	5.572	0.017	51.04901	6.19	ug/L
	Se	78	31802.584	4.359	0.057	52.06465	7.16	ug/L
	Br	79	14220.926	1.879	-0.030			ug/L
	Se	82	7494.834	4.606	0.023	53.36412	5.05	ug/L
	Kr	83	312.675	4.319	-10.334			ug/L
	Ag	107	436824.749	2.906	0.764	52.68451	2.87	ug/L
	Cd	111	94190.289	4.959	0.165	50.47347	8.14	ug/L
	Cd	114	220012.048	2.128	0.386	51.75560	1.59	ug/L
>	In	115	569630.551	3.408	569630.551			ug/L
	Sn	118	318432.231	4.498	0.560	51.89939	7.65	ug/L
	Ba	135	100086.068	1.983	0.153	48.88796	4.59	ug/L
	Ba	137	172773.030	1.754	0.263	46.95632	1.60	ug/L
>	Tb	159	655850.171	2.807	655850.171			ug/L
	Pb	208	1294710.748	0.712	1.973	48.19235	3.22	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		91.705			
	Cr	52	92.851				
	Cr	53	100.217				
	Zn	66	103.699				
	Zn	67	97.747				
	Zn	68	103.662				
>	Ge	72		93.437			
	As	75	98.969				
	As-1	75	99.708				
	Se	77	102.098				
	Se	78	104.129				
	Br	79					
	Se	82	106.728				
	Kr	83					
	Ag	107	105.369				
	Cd	111	100.947				

	Cd	114	103.511	
>	In	115		90.850
	Sn	118	103.799	
	Ba	135	97.776	
	Ba	137	93.913	
>	Tb	159		96.548
	Pb	208	96.385	

Method 200.8 - Summary Report

Sample ID: QC Std 2
Sample Date/Time: Thursday, October 22, 2009 13:19:22
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 2.006

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	306936.396	2.149	306936.396			ug/L
|	Cr	52	12597.850	1.539	0.001	0.04486	24.62	ug/L
|	Cr	53	4506.164	5.190	-0.001	-0.33128	69.99	ug/L
[	Zn	66	912.388	3.496	-0.000	-0.02402	218.40	ug/L
|	Zn	67	549.689	2.556	-0.000	-0.27271	29.33	ug/L
|	Zn	68	1294.105	3.627	-0.000	-0.03160	250.07	ug/L
|>	Ge	72	326666.985	5.421	326666.985			ug/L
|	As	75	14384.490	0.429	0.001	0.25931	207.01	ug/L
|	As-1	75	482.710	10.699	0.000	0.00504	729.79	ug/L
|	Se	77	242.006	7.653	0.000	0.22708	122.85	ug/L
|	Se	78	14715.381	0.287	0.001	0.83479	261.63	ug/L
|	Br	79	12151.573	2.187	-0.038			ug/L
[	Se	82	318.342	3.359	-0.000	-0.19583	24.98	ug/L
	Kr	83	300.008	8.512	-23.001			ug/L
[	Ag	107	3763.156	11.313	0.003	0.18539	25.56	ug/L
|	Cd	111	467.179	3.542	0.000	0.00760	96.55	ug/L
|	Cd	114	31.784	28.429	-0.000	-0.00064	318.82	ug/L
|>	In	115	606831.226	0.462	606831.226	Conc. RSD	Sample Unit	ug/L
[	Sn	118	902.721	5.178	0.001	0.09846	6.67	ug/L
[	Ba	135	49.334	22.783	0.000	0.00281	180.40	ug/L
|	Ba	137	75.334	3.066	0.000	0.00248	13.63	ug/L
|>	Tb	159	669378.716	2.367	669378.716			ug/L
[	Pb	208	1329.384	2.033	0.000	0.00161	110.51	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		93.505			
|	Cr	52					
[	Cr	53					
[	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		97.166			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
[	Se	82					
	Kr	83					
[	Ag	107					
|	Cd	111					

|	Cd	114	
|>	In	115	96.783
|	Sn	118	
⌈	Ba	135	
|	Ba	137	
|>	Tb	159	98.539
⌊	Pb	208	

Method 200.8 - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Thursday, October 22, 2009 13:23:36
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 3.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	301813.973	1.862	301813.973			ug/L
|	Cr	52	939978.685	3.718	3.077	94.63038	5.29	ug/L
L	Cr	53	114473.224	2.072	0.363	96.19726	0.33	ug/L
[	Zn	66	124741.294	1.083	0.389	104.57187	3.48	ug/L
|	Zn	67	21999.491	3.220	0.067	99.35460	6.20	ug/L
|	Zn	68	87858.733	0.689	0.272	98.95326	3.39	ug/L
|>	Ge	72	318922.669	2.988	318922.669			ug/L
|	As	75	155662.477	2.388	0.446	98.84786	5.77	ug/L
|	As-1	75	145959.318	1.456	0.457	99.78200	4.13	ug/L
|	Se	77	10947.699	1.943	0.034	99.75853	4.92	ug/L
|	Se	78	48504.896	1.652	0.108	98.63483	6.40	ug/L
|	Br	79	11209.020	1.763	-0.040			ug/L
L	Se	82	14280,695	3.848	0.044	102.31151	2.20	ug/L
	Kr	83	301.675	1.942	-21.334			ug/L
[	Ag	107	836862.133	2.354	1.411	97.37434	2.68	ug/L
|	Cd	111	184915.848	0.937	0.312	95.45571	0.87	ug/L
|	Cd	114	438818.224	2.241	0.742	99.38618	2.23	ug/L
|>	In	115	591504.698	0.475	591504.698			ug/L
L	Sn	118	620118.190	1.919	1.048	97.19817	1.72	ug/L
[	Ba	135	202330.727	1.351	0.308	98.68820	2.01	ug/L
|	Ba	137	350117.065	4.341	0.533	95.04338	3.41	ug/L
|>	Tb	159	656451.981	1.009	656451.981			ug/L
L	Pb	208	2622632.414	0.266	3.994	97.52992	1.26	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		91.945			
|	Cr	52	94.630				
L	Cr	53	96.197				
[	Zn	66	104.572				
|	Zn	67	99.355				
|	Zn	68	98.953				
|>	Ge	72		94.863			
|	As	75	98.848				
|	As-1	75	99.782				
|	Se	77	99.759				
|	Se	78	98.635				
|	Br	79					
L	Se	82	102.312				
	Kr	83					
[	Ag	107	97.374				
|	Cd	111	95.456				

	Cd	114	99.386	
>	In	115		94.339
	Sn	118	97.198	
	Ba	135	98.688	
	Ba	137	95.043	
>	Tb	159		96.636
	Pb	208	97.530	

Method 200.8 - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, October 22, 2009 13:27:52
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 4.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	292117.945	2.093	292117.945			ug/L
|	Cr	52	397037.644	2.797	1.320	40.61439	4.91	ug/L
L	Cr	53	51516.763	1.662	0.160	42.47636	1.09	ug/L
[	Zn	66	48443.600	2.501	0.154	41.40123	4.68	ug/L
|	Zn	67	9218.770	4.266	0.028	41.29201	2.96	ug/L
|	Zn	68	37532.373	1.643	0.117	42.76490	5.27	ug/L
|>	Ge	72	309422.923	3.384	309422.923			ug/L
|	As	75	70877.703	0.086	0.186	41.32052	4.23	ug/L
|	As-1	75	58857.674	0.927	0.189	41.29329	4.37	ug/L
|	Se	77	4587.872	4.972	0.014	41.99854	8.43	ug/L
|	Se	78	28222.028	1.650	0.047	42.96667	6.41	ug/L
|	Br	79	10322.293	0.310	-0.042			ug/L
L	Se	82	5974.023	2.535	0.018	42.76491	6.16	ug/L
	Kr	83	307.675	4.933	-15.334			ug/L
[	Ag	107	342544.475	1.210	0.594	40.94724	3.44	ug/L
|	Cd	111	74333.091	2.380	0.129	39.43060	4.56	ug/L
|	Cd	114	174455.288	1.068	0.304	40.72571	2.98	ug/L
|>	In	115	574081.667	2.576	574081.667			ug/L
L	Sn	118	248494.011	0.804	0.433	40.12986	3.12	ug/L
[	Ba	135	80669.167	1.166	0.128	40.91018	0.67	ug/L
|	Ba	137	141422.583	4.288	0.224	39.95239	5.80	ug/L
|>	Tb	159	631164.027	1.833	631164.027			ug/L
L	Pb	208	1060402.738	0.782	1.679	40.99549	2.48	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		88.991			
|	Cr	52	101.536				
L	Cr	53	106.191				
[	Zn	66	103.503				
|	Zn	67	103.230				
|	Zn	68	106.912				
|>	Ge	72			92.037		
|	As	75	103.301				
|	As-1	75	103.233				
|	Se	77	104.996				
|	Se	78	107.417				
|	Br	79					
L	Se	82	106.912				
	Kr	83					
[	Ag	107	102.368				
|	Cd	111	98.576				

	Cd	114	101.814	
>	In	115		91.560
	Sn	118	100.325	
	Ba	135	102.275	
	Ba	137	99.881	
>	Tb	159		92.914
	Pb	208	102.489	

Method 200.8 - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, October 22, 2009 13:32:06
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 5.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	303992.750	1.074	303992.750			ug/L
|	Cr	52	12068.461	1.729	0.000	0.00362	916.91	ug/L
L	Cr	53	4205.682	2.915	-0.002	-0.55607	25.37	ug/L
[	Zn	66	900.387	7.260	-0.000	-0.02215	222.02	ug/L
|	Zn	67	537.021	4.267	-0.000	-0.28781	39.30	ug/L
|	Zn	68	1239.764	0.973	-0.000	-0.06874	50.90	ug/L
|>	Ge	72	320776.596	1.547	320776.596			ug/L
|	As	75	13925.945	0.862	0.000	0.10435	205.11	ug/L
|	As-1	75	496.239	22.720	0.000	0.01992	395.54	ug/L
|	Se	77	219.672	8.749	0.000	0.05226	349.40	ug/L
|	Se	78	14306.725	0.760	0.000	0.35741	259.58	ug/L
|	Br	79	9332.549	2.208	-0.046			ug/L
L	Se	82	341.010	7.776	0.000	0.01161	1922.67	ug/L
	Kr	83	312.342	4.347	-10.667			ug/L
[	Ag	107	3621.430	11.292	0.003	0.17766	32.06	ug/L
|	Cd	111	490.203	4.572	0.000	0.02395	70.40	ug/L
|	Cd	114	41.671	14.015	0.000	0.00173	87.42	ug/L
|>	In	115	596117.483	2.790	596117.483			ug/L
L	Sn	118	832.380	13.263	0.001	0.09034	22.16	ug/L
[	Ba	135	41.334	12.415	-0.000	-0.00097	306.52	ug/L
|	Ba	137	61.667	17.862	-0.000	-0.00128	169.30	ug/L
|>	Tb	159	671559.025	5.057	671559.025			ug/L
L	Pb	208	1194.376	6.280	-0.000	-0.00342	96.65	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		92.609			
|	Cr	52					
L	Cr	53					
[	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		95.414			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
L	Se	82					
	Kr	83					
[	Ag	107					
|	Cd	111					

	Cd	114	
>	In	115	95.074
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	98.860
	Pb	208	

Method 200.8 - Summary Report

Sample ID: MB1008D1 5X
Sample Date/Time: Thursday, October 22, 2009 13:36:24
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\MB1008D1 5X.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	285554.367	3.131	285554.367			ug/L
|	Cr	52	12337.828	2.802	0.004	0.11236	56.10	ug/L
L	Cr	53	4196.677	1.712	-0.001	-0.32515	55.50	ug/L
[	Zn	66	1424.126	3.225	0.002	0.48281	4.67	ug/L
|	Zn	67	608.360	3.946	0.000	0.19573	79.49	ug/L
|	Zn	68	1765.189	4.699	0.002	0.63868	19.93	ug/L
|>	Ge	72	304111.249	1.441	304111.249			ug/L
|	As	75	13935.589	0.820	0.003	0.63900	34.19	ug/L
|	As-1	75	417.441	15.996	-0.000	-0.01808	284.15	ug/L
|	Se	77	219.672	8.808	0.000	0.16400	123.78	ug/L
|	Se	78	14353.132	0.734	0.003	2.72601	28.24	ug/L
|	Br	79	8348.583	2.454	-0.047			ug/L
L	Se	82	325.676	1.546	0.000	0.02803	66.86	ug/L
	Kr	83	285.341	1.729	-37.668			ug/L
[	Ag	107	1792.528	4.302	-0.000	-0.01996	51.68	ug/L
|	Cd	111	429.277	6.069	0.000	0.00824	170.05	ug/L
|	Cd	114	28.993	16.993	-0.000	-0.00068	164.16	ug/L
|>	In	115	556136.431	1.430	556136.431			ug/L
L	Sn	118	683.699	5.750	0.001	0.07456	9.45	ug/L
[	Ba	135	70.001	11.693	0.000	0.01596	27.91	ug/L
|	Ba	137	115.335	14.774	0.000	0.01609	31.78	ug/L
|>	Tb	159	610905.885	0.440	610905.885			ug/L
L	Pb	208	1255.713	1.925	0.000	0.00328	30.70	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution	% Diff	Dup. Rel. % Diff
[>	Sc	45		86.991				
|	Cr	52						
L	Cr	53						
[	Zn	66						
|	Zn	67						
|	Zn	68						
|>	Ge	72		90.457				
|	As	75						
|	As-1	75						
|	Se	77						
|	Se	78						
|	Br	79						
L	Se	82						
	Kr	83						
[	Ag	107						
|	Cd	111						

	Cd	114	
>	In	115	88.698
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	89.931
	Pb	208	

Method 200.8 - Summary Report

Sample ID: SB1008D1 5X
Sample Date/Time: Thursday, October 22, 2009 13:39:36
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\SB1008D1 5X.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	278798.082	1.363	278798.082			ug/L
	Cr	52	399105.773	4.349	1.392	42.80834	3.77	ug/L
	Cr	53	48782.376	1.570	0.159	42.11831	3.18	ug/L
	Zn	66	49197.606	1.486	0.163	43.89958	1.36	ug/L
	Zn	67	9284.499	1.989	0.029	43.56944	4.03	ug/L
	Zn	68	37956.533	3.916	0.124	45.17379	3.70	ug/L
>	Ge	72	296440.207	2.035	296440.207			ug/L
	As	75	71307.727	3.242	0.198	43.81921	1.50	ug/L
	As-1	75	59611.211	1.588	0.200	43.63174	0.52	ug/L
	Se	77	4450.801	2.866	0.014	42.47742	1.88	ug/L
	Se	78	27912.430	3.410	0.050	45.58965	2.68	ug/L
	Br	79	7896.173	0.334	-0.048			ug/L
	Se	82	5978.693	2.674	0.019	44.75210	4.99	ug/L
	Kr	83	290.008	1.503	-33.001			ug/L
	Ag	107	365175.696	0.453	0.662	45.68450	3.78	ug/L
	Cd	111	71994.402	0.884	0.130	39.94034	3.87	ug/L
	Cd	114	175400.953	1.376	0.320	42.81817	2.72	ug/L
>	In	115	549027.193	3.273	549027.193			ug/L
	Sn	118	252741.211	2.660	0.461	42.71290	5.93	ug/L
	Ba	135	80662.312	3.175	0.133	42.67284	2.70	ug/L
	Ba	137	141098.225	2.927	0.233	41.56981	3.76	ug/L
>	Tb	159	604964.601	0.867	604964.601			ug/L
	Pb	208	1052630.686	2.091	1.738	42.44353	1.25	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		84.933			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		88.175			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114	
>	In	115	87.564
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	89.057
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-01c 5X
Sample Date/Time: Thursday, October 22, 2009 13:42:50
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-01c 5X.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	300706.603	5.203	300706.603			ug/L
|	Cr	52	29574.031	3.646	0.059	1.81369	11.55	ug/L
L	Cr	53	5558.755	0.963	0.003	0.68388	40.36	ug/L
[	Zn	66	1517.809	2.510	0.002	0.55311	4.06	ug/L
|	Zn	67	759.373	6.428	0.001	0.89615	31.66	ug/L
|	Zn	68	2293.979	2.660	0.003	1.24625	9.75	ug/L
|>	Ge	72	307073.105	2.501	307073.105			ug/L
|	As	75	14282.061	2.623	0.004	0.79756	64.33	ug/L
|	As-1	75	718.720	12.837	0.001	0.19436	40.21	ug/L
|	Se	77	284.674	4.056	0.000	0.76863	7.62	ug/L
|	Se	78	14518.732	1.920	0.003	2.82644	65.61	ug/L
|	Br	79	30148.283	4.729	0.023			ug/L
L	Se	82	370.011	3.117	0.000	0.34317	35.95	ug/L
	Kr	83	303.341	3.525	-19.668			ug/L
[	Ag	107	4266.395	16.603	0.004	0.27738	30.34	ug/L
|	Cd	111	429.583	2.964	0.000	0.00421	128.90	ug/L
|	Cd	114	57.793	16.058	0.000	0.00601	35.21	ug/L
|>	In	115	566158.678	1.042	566158.678			ug/L
L	Sn	118	989.397	3.596	0.001	0.12259	4.50	ug/L
[	Ba	135	17797.257	2.764	0.029	9.28358	0.75	ug/L
|	Ba	137	31779.434	0.448	0.052	9.23648	2.96	ug/L
|>	Tb	159	612598.014	3.311	612598.014			ug/L
L	Pb	208	2031.442	1.464	0.001	0.03415	11.04	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		91.607			
|	Cr	52					
L	Cr	53					
[	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		91.338			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
L	Se	82					
	Kr	83					
[	Ag	107					
|	Cd	111					

	Cd	114	
>	In	115	90.296
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	90.181
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-01cD 5X
Sample Date/Time: Thursday, October 22, 2009 13:46:03
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-01cD 5X.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈>	Sc	45	306886.741	2.936	306886.741			ug/L
|	Cr	52	29506.782	1.980	0.057	1.74129	5.78	ug/L
⌊	Cr	53	5592.443	1.799	0.002	0.60898	35.69	ug/L
⌈	Zn	66	1474.134	2.249	0.002	0.48544	5.14	ug/L
|	Zn	67	772.374	1.244	0.001	0.87142	4.53	ug/L
|	Zn	68	2279.975	2.536	0.003	1.16686	6.44	ug/L
|>	Ge	72	314176.797	0.325	314176.797			ug/L
|	As	75	14708.199	0.730	0.004	0.85681	8.73	ug/L
|	As-1	75	755.257	15.207	0.001	0.20680	38.05	ug/L
|	Se	77	268.673	6.515	0.000	0.55619	29.32	ug/L
|	Se	78	14946.760	0.512	0.003	3.06394	6.67	ug/L
|	Br	79	32202.597	1.398	0.028			ug/L
⌊	Se	82	384.679	9.229	0.000	0.38676	66.23	ug/L
	Kr	83	301.341	2.974	-21.668			ug/L
⌈	Ag	107	1814.533	3.311	-0.000	-0.02857	19.15	ug/L
|	Cd	111	450.293	5.541	0.000	0.00739	179.78	ug/L
|	Cd	114	50.091	16.707	0.000	0.00379	47.52	ug/L
|>	In	115	585496.396	0.954	585496.396			ug/L
⌊	Sn	118	767.041	16.388	0.001	0.08208	24.97	ug/L
⌈	Ba	135	18518.706	2.999	0.029	9.17013	2.26	ug/L
|	Ba	137	33044.979	2.867	0.051	9.11562	3.77	ug/L
|>	Tb	159	645151.769	0.928	645151.769			ug/L
⌊	Pb	208	1826.090	1.763	0.001	0.02222	7.46	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈>	Sc	45		93.490			
|	Cr	52					
⌊	Cr	53					
⌈	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		93.451			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
⌊	Se	82					
	Kr	83					
⌈	Ag	107					
|	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

93.381

94.973

Method 200.8 - Summary Report

Sample ID: 10-074-01cL 25X
Sample Date/Time: Thursday, October 22, 2009 13:49:18
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-01cL 25X.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	294322.644	3.737	294322.644			ug/L
	Cr	52	15191.836	1.218	0.012	0.37115	14.03	ug/L
	Cr	53	4344.748	2.250	-0.001	-0.30627	71.04	ug/L
	Zn	66	1642.165	4.828	0.002	0.60840	12.29	ug/L
	Zn	67	612.360	5.066	0.000	0.07415	170.12	ug/L
	Zn	68	1872.212	1.363	0.002	0.66089	2.39	ug/L
>	Ge	72	319013.434	0.662	319013.434			ug/L
	As	75	14555.285	1.956	0.003	0.59405	43.35	ug/L
	As-1	75	501.181	14.545	0.000	0.02510	208.27	ug/L
	Se	77	232.005	3.683	0.000	0.17758	44.12	ug/L
	Se	78	14926.061	1.463	0.003	2.34939	37.17	ug/L
	Br	79	15695.361	0.373	-0.026			ug/L
	Se	82	340.010	0.882	0.000	0.01625	235.18	ug/L
	Kr	83	296.341	3.329	-26.668			ug/L
	Ag	107	868.050	2.339	-0.002	-0.13565	2.63	ug/L
	Cd	111	467.237	5.521	0.000	0.02673	49.62	ug/L
	Cd	114	40.563	21.542	0.000	0.00207	118.28	ug/L
>	In	115	561639.289	4.207	561639.289			ug/L
	Sn	118	513.353	2.241	0.000	0.04533	3.67	ug/L
	Ba	135	3823.176	3.855	0.006	1.96205	5.96	ug/L
	Ba	137	6392.312	3.623	0.010	1.82643	2.72	ug/L
>	Tb	159	617941.451	2.044	617941.451			ug/L
	Pb	208	1834.758	1.701	0.001	0.02562	9.74	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		89.663			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		94.890			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

89.576

90.967

Method 200.8 - Summary Report

Sample ID: 10-074-01cMS 5X
Sample Date/Time: Thursday, October 22, 2009 13:52:32
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-01cMS 5X.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	318443.573	5.259	318443.573			ug/L
	Cr	52	394843.399	2.691	1.204	37.02764	8.34	ug/L
	Cr	53	50231.141	5.202	0.142	37.70142	11.96	ug/L
	Zn	66	55100.413	2.166	0.168	45.10544	1.19	ug/L
	Zn	67	9481.371	2.221	0.027	40.62610	4.03	ug/L
	Zn	68	39033.069	3.354	0.117	42.53805	4.96	ug/L
>	Ge	72	323230.968	1.538	323230.968			ug/L
	As	75	73614.753	3.842	0.185	41.01451	6.52	ug/L
	As-1	75	62309.648	2.561	0.191	41.82713	4.02	ug/L
	Se	77	4981.081	0.238	0.015	43.65766	1.37	ug/L
	Se	78	29254.297	1.814	0.046	42.29722	6.49	ug/L
	Br	79	30963.311	2.841	0.021			ug/L
	Se	82	6615.475	3.908	0.019	45.41092	2.80	ug/L
	Kr	83	297.341	3.179	-25.668			ug/L
	Ag	107	327927.712	7.672	0.556	38.34665	8.07	ug/L
	Cd	111	78024.470	2.139	0.132	40.49298	1.71	ug/L
	Cd	114	186217.715	3.471	0.318	42.55201	4.79	ug/L
>	In	115	586455.753	1.346	586455.753			ug/L
	Sn	118	255562.860	2.365	0.435	40.38242	2.38	ug/L
	Ba	135	102234.659	2.978	0.161	51.52061	3.23	ug/L
	Ba	137	175295.728	0.728	0.276	49.18155	1.40	ug/L
>	Tb	159	635235.635	1.190	635235.635			ug/L
	Pb	208	1025540.195	1.876	1.613	39.38119	1.74	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		97.011			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.144			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114	
>	In	115	93.534
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	93.513
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-01cMSD 5X
Sample Date/Time: Thursday, October 22, 2009 13:55:47
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-01cMSD 5X.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	299757.590	1.210	299757.590			ug/L
	Cr	52	393890.673	1.264	1.275	39.20140	1.29	ug/L
	Cr	53	51105.798	2.103	0.155	40.91875	1.79	ug/L
	Zn	66	50277.148	0.424	0.159	42.82061	1.89	ug/L
	Zn	67	9602.169	3.681	0.029	42.99286	5.57	ug/L
	Zn	68	38718.436	4.416	0.121	43.95016	3.57	ug/L
>	Ge	72	310461.420	1.532	310461.420			ug/L
	As	75	76194.308	2.513	0.203	44.93201	4.92	ug/L
	As-1	75	62835.474	2.140	0.201	43.93050	3.72	ug/L
	Se	77	4923.049	1.910	0.015	44.97756	1.82	ug/L
	Se	78	30255.232	0.491	0.053	48.63094	3.56	ug/L
	Br	79	30794.042	0.446	0.024			ug/L
	Se	82	6231.199	3.709	0.019	44.48884	3.00	ug/L
	Kr	83	294.341	5.849	-28.668			ug/L
	Ag	107	294811.612	5.310	0.502	34.66486	6.01	ug/L
	Cd	111	75517.502	2.099	0.129	39.45037	4.36	ug/L
	Cd	114	175392.597	1.108	0.301	40.32405	3.21	ug/L
>	In	115	582912.854	2.306	582912.854			ug/L
	Sn	118	254205.398	2.795	0.436	40.43941	4.96	ug/L
	Ba	135	97877.099	3.331	0.158	50.61819	4.86	ug/L
	Ba	137	175015.856	3.276	0.283	50.37795	3.84	ug/L
>	Tb	159	619248.492	1.633	619248.492			ug/L
	Pb	208	1010063.076	0.647	1.629	39.79197	1.04	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		91.318			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		92.346			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114	
>	In	115	92.968
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	91.160
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-02c 5X
Sample Date/Time: Thursday, October 22, 2009 13:59:03
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-02c 5X.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	304445.574	2.088	304445.574			ug/L
	Cr	52	37383.436	2.133	0.083	2.55968	3.09	ug/L
	Cr	53	6392.978	1.764	0.005	1.34177	12.89	ug/L
	Zn	66	3325.308	1.029	0.007	1.89844	2.36	ug/L
	Zn	67	1120.080	2.751	0.001	2.18905	9.44	ug/L
	Zn	68	3172.586	2.785	0.005	1.97735	1.63	ug/L
>	Ge	72	334560.293	2.106	334560.293			ug/L
	As	75	27435.728	1.393	0.039	8.66901	6.14	ug/L
	As-1	75	13415.492	1.886	0.039	8.44807	3.21	ug/L
	Se	77	242.006	2.863	0.000	0.16688	51.60	ug/L
	Se	78	14943.088	0.700	0.000	0.41895	216.28	ug/L
	Br	79	24493.538	1.883	-0.002			ug/L
	Se	82	358.677	9.202	0.000	0.02824	636.15	ug/L
	Kr	83	311.342	0.669	-11.667			ug/L
	Ag	107	3292.970	14.080	0.002	0.13714	48.47	ug/L
	Cd	111	890.119	8.113	0.001	0.22614	20.69	ug/L
	Cd	114	683.706	0.895	0.001	0.14492	4.63	ug/L
>	In	115	600939.819	3.413	600939.819			ug/L
	Sn	118	1515.809	8.976	0.002	0.19507	14.67	ug/L
	Ba	135	12857.549	1.644	0.019	6.19522	2.58	ug/L
	Ba	137	22765.033	1.575	0.034	6.10838	1.18	ug/L
>	Tb	159	662475.800	0.927	662475.800			ug/L
	Pb	208	54257.138	1.760	0.080	1.95326	1.67	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		92.746			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		99.514			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114	
>	In	115	95.844
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	97.523
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-03c 5X
Sample Date/Time: Thursday, October 22, 2009 14:02:19
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-03c 5X.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	300909.628	3.414	300909.628			ug/L
|	Cr	52	21685.050	0.525	0.033	1.00079	8.34	ug/L
L	Cr	53	4249.036	2.133	-0.002	-0.47772	36.43	ug/L
[	Zn	66	1571.152	3.639	0.002	0.54606	12.74	ug/L
|	Zn	67	1044.737	6.877	0.001	2.07248	19.57	ug/L
|	Zn	68	3405.005	0.979	0.007	2.40333	1.99	ug/L
|>	Ge	72	319717.107	1.735	319717.107			ug/L
|	As	75	14919.061	0.511	0.004	0.82512	21.85	ug/L
|	As-1	75	894.052	4.181	0.001	0.29263	7.32	ug/L
|	Se	77	229.005	6.594	0.000	0.14391	73.03	ug/L
|	Se	78	14986.827	0.794	0.003	2.43317	30.63	ug/L
|	Br	79	27579.721	1.574	0.011			ug/L
L	Se	82	373.011	3.782	0.000	0.25157	23.61	ug/L
	Kr	83	302.008	6.395	-21.001			ug/L
[	Ag	107	1735.517	8.938	-0.000	-0.02915	69.01	ug/L
|	Cd	111	462.590	4.451	0.000	0.02419	63.97	ug/L
|	Cd	114	604.351	4.213	0.001	0.13657	6.21	ug/L
|>	In	115	561785.273	1.735	561785.273			ug/L
L	Sn	118	1255.433	1.627	0.002	0.16781	2.74	ug/L
[	Ba	135	78977.462	4.383	0.125	40.04918	2.53	ug/L
|	Ba	137	132383.401	1.592	0.210	37.40112	3.35	ug/L
|>	Tb	159	630956.888	1.873	630956.888			ug/L
L	Pb	208	2163.457	2.558	0.002	0.03683	6.05	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		91.669			
|	Cr	52					
L	Cr	53					
[	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		95.099			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
L	Se	82					
	Kr	83					
[	Ag	107					
|	Cd	111					

	Cd	114	
>	In	115	89.599
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	92.883
	Pb	208	

Method 200.8 - Summary Report

Sample ID: 10-074-04c 5X
Sample Date/Time: Thursday, October 22, 2009 14:05:36
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-04c 5X.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	316401.088	2.656	316401.088			ug/L
|	Cr	52	23933.385	2.807	0.036	1.11097	10.85	ug/L
L	Cr	53	4388.437	2.318	-0.002	-0.54502	30.17	ug/L
[	Zn	66	1765.856	3.562	0.003	0.74717	4.09	ug/L
|	Zn	67	640.362	8.999	0.000	0.27258	88.98	ug/L
|	Zn	68	2230.963	3.193	0.003	1.13149	10.00	ug/L
|>	Ge	72	311722.542	2.322	311722.542			ug/L
|	As	75	15784.859	0.473	0.008	1.70830	14.13	ug/L
|	As-1	75	2018.235	6.938	0.005	1.09550	6.07	ug/L
|	Se	77	239.672	10.198	0.000	0.30353	86.24	ug/L
|	Se	78	14710.373	0.474	0.003	2.73106	42.25	ug/L
|	Br	79	32306.646	2.354	0.029			ug/L
L	Se	82	366.011	6.425	0.000	0.26820	47.01	ug/L
	Kr	83	295.341	5.026	-27.668			ug/L
[	Ag	107	1079.075	1.935	-0.002	-0.10916	5.09	ug/L
|	Cd	111	381.964	12.196	-0.000	-0.01953	82.96	ug/L
|	Cd	114	44.171	10.800	0.000	0.00292	35.68	ug/L
|>	In	115	559511.497	4.436	559511.497			ug/L
L	Sn	118	714.369	0.530	0.001	0.07907	6.08	ug/L
[	Ba	135	5463.365	4.621	0.009	2.76427	2.95	ug/L
|	Ba	137	9183.396	2.303	0.015	2.59022	3.44	ug/L
|>	Tb	159	627986.014	1.809	627986.014			ug/L
L	Pb	208	2476.823	4.142	0.002	0.04938	4.58	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		96.389			
|	Cr	52					
L	Cr	53					
[	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		92.721			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
L	Se	82					
	Kr	83					
[	Ag	107					
|	Cd	111					

	Cd	114	
>	In	115	89.236
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	92.446
	Pb	208	

Method 200.8 - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Thursday, October 22, 2009 14:08:47
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 3.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	292739.510	1.072	292739.510			ug/L
	Cr	52	941434.567	3.398	3.176	97.68242	2.37	ug/L
	Cr	53	114498.148	1.778	0.375	99.35220	2.76	ug/L
	Zn	66	120252.732	2.855	0.382	102.80097	1.65	ug/L
	Zn	67	22251.757	1.137	0.069	102.57854	3.51	ug/L
	Zn	68	87760.164	1.439	0.277	100.85517	1.56	ug/L
>	Ge	72	312528.116	2.850	312528.116			ug/L
	As	75	155859.195	3.138	0.456	101.21279	6.47	ug/L
	As-1	75	144228.056	2.867	0.461	100.64382	5.62	ug/L
	Se	77	10835.229	1.078	0.034	100.72103	2.60	ug/L
	Se	78	49698.333	1.778	0.115	104.96648	6.42	ug/L
	Br	79	8414.314	4.128	-0.048			ug/L
	Se	82	14013.266	0.463	0.044	102.51799	3.09	ug/L
	Kr	83	320.009	3.292	-3.000			ug/L
	Ag	107	850731.564	1.911	1.448	99.87870	2.05	ug/L
	Cd	111	182823.909	2.492	0.311	95.22291	2.55	ug/L
	Cd	114	431119.383	2.007	0.735	98.51627	1.84	ug/L
>	In	115	586242.996	0.181	586242.996			ug/L
	Sn	118	625505.318	3.676	1.067	98.92540	3.69	ug/L
	Ba	135	196330.777	0.982	0.306	98.13714	1.14	ug/L
	Ba	137	351243.105	1.061	0.548	97.74135	0.52	ug/L
>	Tb	159	640534.821	1.280	640534.821			ug/L
	Pb	208	2582126.445	0.895	4.030	98.40790	1.00	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		89.180			
	Cr	52	97.682				
	Cr	53	99.352				
	Zn	66	102.801				
	Zn	67	102.579				
	Zn	68	100.855				
>	Ge	72		92.961			
	As	75	101.213				
	As-1	75	100.644				
	Se	77	100.721				
	Se	78	104.966				
	Br	79					
	Se	82	102.518				
	Kr	83					
	Ag	107	99.879				
	Cd	111	95.223				

	Cd	114	98.516	
>	In	115		93.500
	Sn	118	98.925	
	Ba	135	98.137	
	Ba	137	97.741	
>	Tb	159		94.293
	Pb	208	98.408	

Method 200.8 - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, October 22, 2009 14:13:03
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 4.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	305564.205	1.140	305564.205			ug/L
|	Cr	52	392003.599	1.662	1.243	38.24279	1.60	ug/L
L	Cr	53	47877.721	4.456	0.141	37.25444	3.77	ug/L
[	Zn	66	50214.535	2.714	0.155	41.68228	2.37	ug/L
|	Zn	67	9338.893	4.133	0.027	40.59721	1.60	ug/L
|	Zn	68	36098.935	3.048	0.109	39.83875	3.03	ug/L
|>	Ge	72	318395.130	2.905	318395.130			ug/L
|	As	75	72516.990	2.151	0.185	41.00083	1.71	ug/L
|	As-1	75	58895.290	1.928	0.184	40.11563	1.29	ug/L
|	Se	77	4447.133	2.981	0.013	39.38835	2.85	ug/L
|	Se	78	29289.735	0.577	0.048	43.66491	4.55	ug/L
|	Br	79	6431.672	1.148	-0.055			ug/L
L	Se	82	5779.895	2.660	0.017	40.03879	4.96	ug/L
	Kr	83	292.008	8.582	-31.001			ug/L
[	Ag	107	339449.863	4.257	0.579	39.92031	4.95	ug/L
|	Cd	111	73436.611	4.703	0.125	38.37103	8.53	ug/L
|	Cd	114	174952.064	2.224	0.300	40.21842	5.82	ug/L
|>	In	115	583525.007	3.747	583525.007			ug/L
L	Sn	118	243478.651	2.679	0.417	38.72310	6.42	ug/L
[	Ba	135	80562.843	5.242	0.128	41.04803	4.74	ug/L
|	Ba	137	143814.220	2.636	0.229	40.80606	2.98	ug/L
|>	Tb	159	628074.427	0.964	628074.427			ug/L
L	Pb	208	1041160.059	1.435	1.656	40.43571	0.48	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		93.087			
|	Cr	52	95.607				
L	Cr	53	93.136				
[	Zn	66	104.206				
|	Zn	67	101.493				
|	Zn	68	99.597				
|>	Ge	72		94.706			
|	As	75	102.502				
|	As-1	75	100.289				
|	Se	77	98.471				
|	Se	78	109.162				
|	Br	79					
L	Se	82	100.097				
	Kr	83					
[	Ag	107	99.801				
|	Cd	111	95.928				

	Cd	114	100.546	
>	In	115		93.066
	Sn	118	96.808	
	Ba	135	102.620	
	Ba	137	102.015	
>	Tb	159		92.459
	Pb	208	101.089	

Method 200.8 - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, October 22, 2009 14:17:17
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 5.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈>	Sc	45	302262.267	2.816	302262.267			ug/L
|	Cr	52	12400.910	1.138	0.001	0.04464	51.82	ug/L
⌊	Cr	53	3879.201	4.080	-0.003	-0.81978	21.83	ug/L
⌈	Zn	66	938.058	4.647	0.000	0.02399	114.99	ug/L
|	Zn	67	508.353	4.505	-0.000	-0.37593	36.39	ug/L
|	Zn	68	1336.778	2.507	0.000	0.07086	136.64	ug/L
|>	Ge	72	315152.241	4.356	315152.241			ug/L
|	As	75	14122.548	2.354	0.002	0.42837	136.18	ug/L
|	As-1	75	355.579	10.544	-0.000	-0.07201	29.06	ug/L
|	Se	77	204.004	1.297	-0.000	-0.05734	107.80	ug/L
|	Se	78	14573.822	2.237	0.002	1.91639	128.45	ug/L
|	Br	79	5597.780	3.124	-0.057			ug/L
⌊	Se	82	315.675	4.921	-0.000	-0.13234	90.67	ug/L
	Kr	83	286.341	8.906	-36.668			ug/L
⌈	Ag	107	2973.853	9.897	0.002	0.10440	31.37	ug/L
|	Cd	111	499.321	8.626	0.000	0.03038	74.37	ug/L
|	Cd	114	28.833	19.912	-0.000	-0.00113	112.54	ug/L
|>	In	115	591502.427	0.481	591502.427			ug/L
⌊	Sn	118	739.371	4.625	0.001	0.07643	6.32	ug/L
⌈	Ba	135	36.334	20.288	-0.000	-0.00226	183.19	ug/L
|	Ba	137	62.668	6.644	0.000	0.00009	1137.54	ug/L
|>	Tb	159	632083.893	2.781	632083.893			ug/L
⌊	Pb	208	1049.035	3.152	-0.000	-0.00638	21.14	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈>	Sc	45		92.081			
|	Cr	52					
⌊	Cr	53					
⌈	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72		93.741			
|	As	75					
|	As-1	75					
|	Se	77					
|	Se	78					
|	Br	79					
⌊	Se	82					
	Kr	83					
⌈	Ag	107					
|	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

94.338

93.049

Method 200.8 - Summary Report

Sample ID: 10-074-05c 5X
Sample Date/Time: Thursday, October 22, 2009 14:21:37
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-05c 5X.023

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	300796.603	2.036	300796.603			ug/L
	Cr	52	26182.930	2.675	0.047	1.46087	7.44	ug/L
	Cr	53	4479.482	1.647	-0.001	-0.27510	52.25	ug/L
	Zn	66	3816.173	2.830	0.009	2.53015	7.41	ug/L
	Zn	67	942.058	0.829	0.001	1.71970	8.47	ug/L
	Zn	68	3502.710	1.641	0.007	2.62907	3.50	ug/L
>	Ge	72	310880.224	2.797	310880.224			ug/L
	As	75	15541.106	0.763	0.007	1.56730	21.69	ug/L
	As-1	75	1873.756	3.397	0.005	0.99881	2.82	ug/L
	Se	77	225.338	11.413	0.000	0.17286	154.35	ug/L
	Se	78	14559.796	0.977	0.003	2.41085	54.03	ug/L
	Br	79	28847.664	1.948	0.018			ug/L
	Se	82	347.010	6.814	0.000	0.13214	83.08	ug/L
	Kr	83	301.675	7.310	-21.334			ug/L
	Ag	107	2467.697	13.514	0.001	0.06216	68.49	ug/L
	Cd	111	444.242	11.872	0.000	0.01522	202.40	ug/L
	Cd	114	115.680	29.655	0.000	0.02004	40.66	ug/L
>	In	115	559392.674	1.255	559392.674			ug/L
	Sn	118	6585.451	1.721	0.011	1.05260	2.58	ug/L
	Ba	135	5190.533	1.174	0.008	2.71539	1.37	ug/L
	Ba	137	9202.414	1.315	0.015	2.68308	1.82	ug/L
>	Tb	159	607486.502	0.524	607486.502			ug/L
	Pb	208	11912.511	2.096	0.018	0.43195	1.75	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		91.635			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		92.470			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114
>	In	115
	Sn	118
	Ba	135
	Ba	137
>	Tb	159
	Pb	208

89.217

89.428

Method 200.8 - Summary Report

Sample ID: 10-074-06c 5X
Sample Date/Time: Thursday, October 22, 2009 14:24:54
Number of Replicates: 3
Batch ID: E091022E
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\10-074-06c 5X.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	275364.345	1.714	275364.345			ug/L
	Cr	52	20368.329	0.428	0.034	1.05797	4.41	ug/L
	Cr	53	3901.209	1.673	-0.002	-0.46751	26.55	ug/L
	Zn	66	1227.762	3.102	0.001	0.39918	5.89	ug/L
	Zn	67	548.355	3.870	0.000	0.12286	52.34	ug/L
	Zn	68	1826.202	1.614	0.002	0.89206	3.16	ug/L
>	Ge	72	280833.225	1.635	280833.225			ug/L
	As	75	14757.685	1.153	0.010	2.13197	14.40	ug/L
	As-1	75	1333.921	3.496	0.003	0.71989	6.16	ug/L
	Se	77	229.339	2.195	0.000	0.44320	20.79	ug/L
	Se	78	14314.405	1.127	0.007	6.17849	19.56	ug/L
	Br	79	19142.332	2.479	-0.007			ug/L
	Se	82	346.010	4.651	0.000	0.40581	35.99	ug/L
	Kr	83	296.674	5.938	-26.334			ug/L
	Ag	107	1092.410	6.451	-0.001	-0.09463	16.64	ug/L
	Cd	111	392.164	5.623	0.000	0.00721	312.52	ug/L
	Cd	114	29.152	27.774	0.000	0.00004	5601.50	ug/L
>	In	115	511670.965	4.545	511670.965			ug/L
	Sn	118	441.682	1.508	0.000	0.04071	11.83	ug/L
	Ba	135	8972.853	3.576	0.016	5.11991	2.54	ug/L
	Ba	137	15314.060	4.724	0.027	4.87027	6.12	ug/L
>	Tb	159	558857.151	1.484	558857.151			ug/L
	Pb	208	1157.374	1.124	0.000	0.00366	15.26	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		83.887			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		83.533			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

	Cd	114	
>	In	115	81.606
	Sn	118	
	Ba	135	
	Ba	137	
>	Tb	159	82.269
	Pb	208	

Method 200.8 - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Thursday, October 22, 2009 14:28:06
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 3.025

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Sc	45	275764.894	4.792	275764.894			ug/L
|	Cr	52	919028.261	1.399	3.298	101.44987	5.19	ug/L
L	Cr	53	111345.874	0.855	0.389	102.87951	5.99	ug/L
[	Zn	66	112356.994	4.238	0.372	100.22957	1.76	ug/L
|	Zn	67	21047.215	1.046	0.068	101.24659	2.54	ug/L
|	Zn	68	86237.617	3.479	0.284	103.61531	6.67	ug/L
|>	Ge	72	299379.309	3.429	299379.309			ug/L
|	As	75	151425.059	0.491	0.463	102.73804	3.22	ug/L
|	As-1	75	140545.781	0.809	0.468	102.34853	3.02	ug/L
|	Se	77	10652.362	6.545	0.035	103.61098	10.01	ug/L
|	Se	78	47165.249	3.091	0.113	103.53518	3.76	ug/L
|	Br	79	6724.221	2.632	-0.052			ug/L
L	Se	82	13357.277	2.503	0.044	101.96122	0.96	ug/L
	Kr	83	299.675	6.056	-23.334			ug/L
[	Ag	107	818684.959	1.524	1.450	100.04864	3.68	ug/L
|	Cd	111	177361.329	1.784	0.314	96.18708	4.73	ug/L
|	Cd	114	408168.765	0.837	0.725	97.08916	3.34	ug/L
|>	In	115	563636.455	3.561	563636.455			ug/L
L	Sn	118	600992.895	1.698	1.067	98.98213	5.18	ug/L
[	Ba	135	188582.291	1.226	0.302	96.76170	2.25	ug/L
|	Ba	137	340260.803	3.650	0.546	97.25821	5.98	ug/L
|>	Tb	159	624210.100	2.910	624210.100			ug/L
L	Pb	208	2523520.348	0.699	4.043	98.72683	2.26	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Sc	45		84.009			
|	Cr	52	101.450				
L	Cr	53	102.880				
[	Zn	66	100.230				
|	Zn	67	101.247				
|	Zn	68	103.615				
|>	Ge	72		89.050			
|	As	75	102.738				
|	As-1	75	102.349				
|	Se	77	103.611				
|	Se	78	103.535				
|	Br	79					
L	Se	82	101.961				
	Kr	83					
[	Ag	107	100.049				
|	Cd	111	96.187				

	Cd	114	97.089	
>	In	115		89.894
	Sn	118	98.982	
	Ba	135	96.762	
	Ba	137	97.258	
>	Tb	159		91.890
	Pb	208	98.727	

Method 200.8 - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, October 22, 2009 14:32:22
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 4.026

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	292930.659	1.955	292930.659			ug/L
	Cr	52	395459.909	4.743	1.311	40.33216	6.30	ug/L
	Cr	53	47173.247	2.069	0.145	38.42844	3.23	ug/L
	Zn	66	48626.230	2.260	0.155	41.70116	1.29	ug/L
	Zn	67	8925.805	3.012	0.027	40.07626	3.36	ug/L
	Zn	68	35468.082	1.261	0.111	40.47563	3.20	ug/L
>	Ge	72	308120.707	1.807	308120.707			ug/L
	As	75	70962.704	0.808	0.187	41.57310	3.22	ug/L
	As-1	75	58654.695	0.639	0.189	41.29044	1.19	ug/L
	Se	77	4248.369	2.842	0.013	38.84357	1.27	ug/L
	Se	78	28227.716	1.996	0.047	43.31400	6.90	ug/L
	Br	79	5163.518	2.227	-0.058			ug/L
	Se	82	5870.622	3.622	0.018	42.10476	2.40	ug/L
	Kr	83	320.676	4.458	-2.333			ug/L
	Ag	107	335453.588	2.053	0.584	40.31412	1.80	ug/L
	Cd	111	70496.106	3.303	0.123	37.58866	3.86	ug/L
	Cd	114	173659.195	0.917	0.304	40.76408	0.44	ug/L
>	In	115	570651.631	0.876	570651.631			ug/L
	Sn	118	238119.461	3.567	0.417	38.66277	3.33	ug/L
	Ba	135	77927.419	1.799	0.128	41.02839	1.22	ug/L
	Ba	137	139079.390	3.569	0.229	40.77261	3.81	ug/L
>	Tb	159	607885.396	0.829	607885.396			ug/L
	Pb	208	1025686.603	0.407	1.685	41.16241	1.17	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup Rel. % Diff
>	Sc	45		89.239			
	Cr	52	100.830				
	Cr	53	96.071				
	Zn	66	104.253				
	Zn	67	100.191				
	Zn	68	101.189				
>	Ge	72		91.650			
	As	75	103.933				
	As-1	75	103.226				
	Se	77	97.109				
	Se	78	108.285				
	Br	79					
	Se	82	105.262				
	Kr	83					
	Ag	107	100.785				
	Cd	111	93.972				

	Cd	114	101.910	
>	In	115		91.013
	Sn	118	96.657	
	Ba	135	102.571	
	Ba	137	101.932	
>	Tb	159		89.487
	Pb	208	102.906	

Method 200.8 - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, October 22, 2009 14:36:35
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022E.mth
Dataset File: C:\elandata\Dataset\E091022E\QC Std 5.027

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Sc	45	284881.700	1.957	284881.700			ug/L
	Cr	52	11683.621	1.727	0.001	0.04411	76.51	ug/L
	Cr	53	3656.106	4.348	-0.003	-0.82044	22.08	ug/L
	Zn	66	895.386	2.170	0.000	0.01050	168.45	ug/L
	Zn	67	468.350	3.405	-0.000	-0.49827	23.85	ug/L
	Zn	68	1336.112	3.486	0.000	0.11526	75.75	ug/L
>	Ge	72	305908.085	2.036	305908.085			ug/L
	As	75	13862.565	1.618	0.002	0.52622	39.38	ug/L
	As-1	75	383.881	13.404	-0.000	-0.04394	90.31	ug/L
	Se	77	211.005	9.862	0.000	0.06934	343.39	ug/L
	Se	78	14241.290	1.483	0.002	2.13982	37.15	ug/L
	Br	79	4718.272	3.122	-0.059			ug/L
	Se	82	299.008	3.394	-0.000	-0.18988	52.40	ug/L
	Kr	83	307.342	5.714	-15.667			ug/L
	Ag	107	3049.214	12.980	0.002	0.13472	44.50	ug/L
	Cd	111	489.040	2.829	0.000	0.03975	34.81	ug/L
	Cd	114	24.610	15.752	-0.000	-0.00174	63.78	ug/L
>	In	115	559513.903	3.032	559513.903			ug/L
	Sn	118	797.376	4.289	0.001	0.09281	8.75	ug/L
	Ba	135	35.334	15.587	-0.000	-0.00301	103.35	ug/L
	Ba	137	63.001	6.919	-0.000	-0.00003	3111.51	ug/L
>	Tb	159	639384.946	1.965	639384.946			ug/L
	Pb	208	954.697	5.889	-0.000	-0.01046	17.83	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Sc	45		86.787			
	Cr	52					
	Cr	53					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		90.991			
	As	75					
	As-1	75					
	Se	77					
	Se	78					
	Br	79					
	Se	82					
	Kr	83					
	Ag	107					
	Cd	111					

Cd	114	
> In	115	89.237
Sn	118	
Ba	135	
Ba	137	
> Tb	159	94.124
Pb	208	

Sample/Batch Report

User Name: kmckinney
Computer Name: ICPMS2
Sample File: C:\Elandata\Sample\E091022F.sam
Report Date/Time: Thursday, October 22, 2009 17:02:49

A/S Loc.	Batch ID	Sample ID	Description
9	E091022F	MB1022D1 5X	
10	E091022F	SB1022D1 5X	
11	E091022F	10-074-02c 5X	
12	E091022F	10-074-05c 5X	

Method 200.8 - Summary Report

Sample ID: Blank
Sample Date/Time: Thursday, October 22, 2009 16:14:03
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Tb	159	635512.739	1.786				ug/L
	Pb	208	1076.702	1.673				ug/L
	Bi	209	470796.485	1.956				ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Tb	159					
	Pb	208					
	Bi	209					

Method 200.8 - Summary Report

Sample ID: Standard 1
Sample Date/Time: Thursday, October 22, 2009 16:16:03
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	630076.393	2.689	630076.393			ug/L
|	Pb	208	534735.191	3.385	0.847	20.00000	2.62	ug/L
L	Bi	209	474099.680	1.407	0.012			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159					
|	Pb	208					
L	Bi	209					

Conc. RSD Sample Unit
ug/L
2.62 ug/L
ug/L

Diff Dup. Rel. % Diff

nc RSD Sample Unit
ug/L
2.62 ug/L
ug/L

Dup. Rel. % Diff

Method 200.8 - Summary Report

Sample ID: Standard 2
Sample Date/Time: Thursday, October 22, 2009 16:19:09
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	630806.463	1.906	630806.463			ug/L
|	Pb	208	1076052.937	0.579	1.705	40.04955	2.43	ug/L
L	Bi	209	476548.681	2.538	0.015			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159					
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: Standard 3
Sample Date/Time: Thursday, October 22, 2009 16:22:17
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Tb	159	634071.817	1.990	634071.817			ug/L
	Pb	208	2587470.651	1.154	4.080	99.28421	1.95	ug/L
	Bi	209	462794.697	1.390	-0.011			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Tb	159					
	Pb	208					
	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 1
Sample Date/Time: Thursday, October 22, 2009 16:25:25
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 1.005

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	664414.742	0.849	664414.742			ug/L
|	Pb	208	1360913.313	1.222	2.047	49.80625	1.52	ug/L
L	Bi	209	472637.318	1.792	-0.029			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		104.548			
|	Pb	208	99.613				
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 2
Sample Date/Time: Thursday, October 22, 2009 16:28:32
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 2.006

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	633380.644	1.078	633380.644			ug/L
|	Pb	208	1211.710	4.381	0.000	0.00534	42.94	ug/L
L	Bi	209	461772.112	0.895	-0.012			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		99.665			
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Thursday, October 22, 2009 16:31:38
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 3.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Tb	159	653021.754	2.825	653021.754			ug/L
	Pb	208	2664442.673	3.215	4.078	99.24213	0.43	ug/L
	Bi	209	480170.119	1.339	-0.005			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Tb	159		102.755			
	Pb	208	99.242				
	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, October 22, 2009 16:34:45
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 4.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	643763.868	1.915	643763.868			ug/L
|	Pb	208	1086345.780	0.858	1.686	41.03834	2.80	ug/L
L	Bi	209	477613.076	3.644	0.002			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		101.298			
|	Pb	208	102.596				
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, October 22, 2009 16:37:51
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 5.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	633566.410	0.081	633566.410			ug/L
|	Pb	208	1240.045	6.683	0.000	0.00640	50.26	ug/L
L	Bi	209	453029.349	2.203	-0.026			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		99.694			
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: MB1022D1 5X
Sample Date/Time: Thursday, October 22, 2009 16:41:01
Number of Replicates: 3
Batch ID: E091022F
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\MB1022D1 5X.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
>	Tb	159	643386.130	2.263	643386.130			ug/L
	Pb	208	991.364	3.126	-0.000	-0.00373	24.43	ug/L
	Bi	209	470786.373	1.976	-0.009			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
>	Tb	159		101.239			
	Pb	208					
	Bi	209					

Method 200.8 - Summary Report

Sample ID: SB1022D1 5X
Sample Date/Time: Thursday, October 22, 2009 16:43:05
Number of Replicates: 3
Batch ID: E091022F
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\SB1022D1 5X.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	659612.193	1.538	659612.193			ug/L
|	Pb	208	1111934.989	0.589	1.684	40.98606	1.27	ug/L
L	Bi	209	480228.220	1.685	-0.013			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		103.792			
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: 10-074-02c 5X
Sample Date/Time: Thursday, October 22, 2009 16:45:11
Number of Replicates: 3
Batch ID: E091022F
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\10-074-02c 5X.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	651089.577	2.051	651089.577			ug/L
|	Pb	208	59902.644	0.593	0.090	2.19813	1.54	ug/L
L	Bi	209	439091.165	1.685	-0.066			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		102.451			
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: 10-074-05c 5X
Sample Date/Time: Thursday, October 22, 2009 16:47:16
Number of Replicates: 3
Batch ID: E091022F
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\10-074-05c 5X.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	669393.946	1.597	669393.946			ug/L
|	Pb	208	2774.523	2.318	0.002	0.05964	3.25	ug/L
L	Bi	209	473490.499	0.537	-0.033			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		105.331			
|	Pb	208					
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Thursday, October 22, 2009 16:49:18
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 3.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	640468.109	0.847	640468.109			ug/L
|	Pb	208	2591896.274	0.209	4.045	98.44447	0.97	ug/L
L	Bi	209	463811.081	1.991	-0.017			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		100.780			
|	Pb	208	98.444				
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, October 22, 2009 16:52:25
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 4.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	637765.348	1.797	637765.348			ug/L
|	Pb	208	1079811.618	2.590	1.692	41.16446	2.48	ug/L
L	Bi	209	469968.751	4.326	-0.004			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		100.354			
|	Pb	208	102.911				
L	Bi	209					

Method 200.8 - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, October 22, 2009 16:55:31
Number of Replicates: 3
Batch ID:
Method File: C:\Elandata\Method\E091022F.mth
Dataset File: C:\elandata\Dataset\E091022F\QC Std 5.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
[>	Tb	159	630476.077	1.471	630476.077			ug/L
|	Pb	208	1218.044	0.833	0.000	0.00579	10.07	ug/L
L	Bi	209	464277.054	3.749	-0.004			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
[>	Tb	159		99.207			
|	Pb	208					
L	Bi	209					