Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/28/09

Technical Report for

ERM Salt Lake City

Vertellus-Provo

Accutest Job Number: T39187

Sampling Date: 10/02/09

Report to:

ERM
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Salt Lake City, UT 84101
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ATTN: Mr. Kevin Lundmark

Total number of pages in report: **926**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Sample Summary

ERM Salt Lake City

Vertellus-Provo

Job No: T39187

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
T39187-1	10/02/09	09:45	KB	10/03/09	AQ	Ground Water	MW21:1009
T39187-2	10/02/09	10:50	KB	10/03/09	AQ	Ground Water	MW22:1009
T39187-3	10/02/09	11:40	KB	10/03/09	AQ	Ground Water	MW18:1009
T39187-4	10/02/09	12:45	KB	10/03/09	AQ	Ground Water	MW33:1009
T39187-5	10/02/09	14:00	KB	10/03/09	AQ	Ground Water	MW19:1009
T39187-6	10/02/09	00:00	KB	10/03/09	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	ERM Salt Lake City	**Job No**	T39187
Site:	Vertellus-Provo	**Report Date**	10/16/2009 3:44:31 PM

5 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 10/02/2009 and were received at Accutest on 10/03/2009 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of T39187. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** VF3595

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39169-1MS, T39169-1MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix AQ **Batch ID:** OP13205

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39314-2MS, T39314-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2-Methylphenol, Benzenethiol are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzenethiol are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 2-Methylphenol are outside control limits for sample OP13205-MSD. Probable cause due to matrix interference.
- Sample(s) T39187-3, T39187-4 have surrogates outside control limits. Outside control limits due to dilution.
- T39187-3: Internal standards are not within the advisory limits due to a matrix interference. Confirmed by reanalysis.
- OP13205-MS for Benzenethiol: Compounds was not spiked in this ms sample.

Metals By Method SW846 6010B

Matrix AQ **Batch ID:** MP10399

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T38367-1DUP, T38367-1MS, T38367-1MSD, T38367-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Sodium are outside control limits for sample MP10399-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 335.4

Matrix AQ	**Batch ID:** GP6986

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39187-1DUP, T39187-1MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SM 4500 SO4

Matrix AQ	**Batch ID:** GN18336

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T39513-1DUP, T39513-1MS were used as the QC samples for Sulfate.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW21:1009		
Lab Sample ID:	T39187-1	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020641.D	1	10/09/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	0.55 U	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW21:1009		
Lab Sample ID:	T39187-1	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13719.D	1	10/09/09	SC	10/07/09	OP13205	EJ630
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-66%
4165-62-2	Phenol-d5	32%		10-53%
118-79-6	2,4,6-Tribromophenol	84%		32-128%
4165-60-0	Nitrobenzene-d5	77%		29-115%
321-60-8	2-Fluorobiphenyl	68%		34-113%
1718-51-0	Terphenyl-d14	96%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
107-86-8	2-Butenal, 3-methyl-	4.02	6.5	ug/l	JN
1447-26-3	4-Hepten-3-one, 5-methyl-	4.26	4.7	ug/l	JN
74367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	7.18	5.2	ug/l	JN
	Total TIC, Semi-Volatile		16.4	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW21:1009		
Lab Sample ID:	T39187-1	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35523.D	1	10/21/09	SC	10/07/09	OP13269	EH1918
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.10	0.20	0.042	ug/l	J
208-96-8	Acenaphthylene	0.072 U	0.20	0.072	ug/l	
120-12-7	Anthracene	0.054 U	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	0.046 U	0.20	0.046	ug/l	
86-73-7	Fluorene	0.064 U	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
91-20-3	Naphthalene	0.075 U	0.20	0.075	ug/l	
85-01-8	Phenanthrene	0.11	0.20	0.075	ug/l	J
129-00-0	Pyrene	0.079 U	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87% [a]		17-131%
321-60-8	2-Fluorobiphenyl	98% [a]		15-137%
1718-51-0	Terphenyl-d14	124% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW21:1009		
Lab Sample ID:	T39187-1	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	92800	5000	130	ug/l	1	10/06/09	10/14/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4336
(2) Prep QC Batch: MP10399

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW21:1009		
Lab Sample ID:	T39187-1	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.0040 U	0.010	0.0040	mg/l	1	10/08/09 12:59	CV	EPA 335.4
Sulfate	1400	20	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW22:1009		
Lab Sample ID:	T39187-2	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020642.D	1	10/09/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	0.55 U	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	101%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	90%		80-133%

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW22:1009		
Lab Sample ID:	T39187-2	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13720.D	1	10/09/09	SC	10/07/09	OP13205	EJ630
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-66%
4165-62-2	Phenol-d5	44%		10-53%
118-79-6	2,4,6-Tribromophenol	77%		32-128%
4165-60-0	Nitrobenzene-d5	83%		29-115%
321-60-8	2-Fluorobiphenyl	75%		34-113%
1718-51-0	Terphenyl-d14	99%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
692-47-7	3-Hexene, 2,2,5,5-tetramethyl-, (Z	4.03	15	ug/l	JN
372-48-5	Pyridine, 2-fluoro-	4.26	5.8	ug/l	JN
74367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	7.18	5.3	ug/l	JN
	Total TIC, Semi-Volatile		26.1	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW22:1009		
Lab Sample ID:	T39187-2	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35502.D	1	10/20/09	SC	10/07/09	OP13269	EH1917
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.081	0.20	0.042	ug/l	J
208-96-8	Acenaphthylene	0.072 U	0.20	0.072	ug/l	
120-12-7	Anthracene	0.054 U	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	0.046 U	0.20	0.046	ug/l	
86-73-7	Fluorene	0.064 U	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
91-20-3	Naphthalene	0.081	0.20	0.075	ug/l	J
85-01-8	Phenanthrene	0.075 U	0.20	0.075	ug/l	
129-00-0	Pyrene	0.079 U	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73% [a]		17-131%
321-60-8	2-Fluorobiphenyl	94% [a]		15-137%
1718-51-0	Terphenyl-d14	89% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22:1009		
Lab Sample ID:	T39187-2	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	522000	25000	670	ug/l	5	10/06/09	10/16/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4338
(2) Prep QC Batch: MP10399

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW22:1009		
Lab Sample ID:	T39187-2	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.0040 U	0.010	0.0040	mg/l	1	10/08/09 13:00	CV	EPA 335.4
Sulfate	2810	50	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020643.D	1	10/09/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	2.0	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	1.3	2.0	0.55	ug/l	J
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.98	2.0	0.43	ug/l	J
1330-20-7	Xylene (total)	2.1	6.0	1.7	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J13747.D	1	10/09/09	SC	10/07/09	OP13205	EJ631
Run #2 [a]	J13744.D	10	10/09/09	SC	10/07/09	OP13205	EJ631
Run #3	J13723.D	40	10/09/09	SC	10/07/09	OP13205	EJ630

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	475 [b]	50	13	ug/l	
95-48-7	2-Methylphenol	499 [b]	50	8.3	ug/l	
	3&4-Methylphenol	727 [b]	50	16	ug/l	
108-95-2	Phenol	1410 [c]	200	30	ug/l	
83-32-9	Acenaphthene	108 [b]	50	16	ug/l	
120-12-7	Anthracene	12	5.0	1.1	ug/l	
86-73-7	Fluorene	25.1	5.0	1.3	ug/l	
91-20-3	Naphthalene	297 [b]	50	11	ug/l	
85-01-8	Phenanthrene	47.5	5.0	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	49%	51%	40%	10-66%
4165-62-2	Phenol-d5	19%	33%	23%	10-53%
118-79-6	2,4,6-Tribromophenol	75%	70%	52%	32-128%
4165-60-0	Nitrobenzene-d5	82%	76%	62%	29-115%
321-60-8	2-Fluorobiphenyl	75%	86%	120% [d]	34-113%
1718-51-0	Terphenyl-d14	129%	96%	82%	12-145%

CAS No.	Tentatively Identified Compounds [e]	R.T.	Est. Conc.	Units	Q
1576-87-0	2-Pentenal, (E)-	4.02	29	ug/l	JN
583-61-9	Pyridine, 2,3-dimethyl-	4.25	44	ug/l	JN
108-75-8	Pyridine, 2,4,6-trimethyl-	4.82	430	ug/l	JN
108-75-8	Pyridine, 2,4,6-trimethyl-	4.87	160	ug/l	JN
589-93-5	Pyridine, 2,5-dimethyl-	4.90	54	ug/l	JN
1462-84-6	Pyridine, 2,3,6-trimethyl-	5.29	480	ug/l	JN
95-65-8	Phenol, 3,4-dimethyl-	6.11	15	ug/l	JN
1721-93-3	Isoquinoline, 1-methyl-	7.27	210	ug/l	JN

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [e]	R.T.	Est. Conc.	Units	Q
1721-89-7	Quinoline, 2,3-dimethyl-	7.74	93	ug/l	JN
93-37-8	Quinoline, 2,7-dimethyl-	7.92	140	ug/l	JN
1198-37-4	Quinoline, 2,4-dimethyl-	8.14	290	ug/l	JN
877-43-0	Quinoline, 2,6-dimethyl-	8.21	49	ug/l	JN
1008-89-5	Pyridine, 2-phenyl-	8.24	31	ug/l	JN
1198-37-4	Quinoline, dimethyl-	8.29	18	ug/l	JN
613-46-7	2-Naphthalenecarbonitrile	8.58	16	ug/l	JN
90-15-3	1-Naphthalenol	8.72	78	ug/l	JN
135-19-3	2-Naphthalenol	8.84	46	ug/l	JN
2437-72-1	Quinoline, 2,3,4-trimethyl-	9.11	47	ug/l	JN
7469-77-4	1-Naphthalenol, 2-methyl-	9.73	37	ug/l	JN
19018-22-5	1H-Benzimidazole, 1-(2-propenyl)-	9.83	39	ug/l	JN
244-99-5	5H-Indeno[1,2-b]pyridine	9.99	150	ug/l	JN
1484-12-4	9H-Carbazole, 9-methyl-	10.52	47	ug/l	JN
92-69-3	p-Hydroxybiphenyl	10.62	23	ug/l	JN
1015-89-0	6(5H)-Phenanthridinone	15.12	100	ug/l	JN
578-95-0	9(10H)-Acridinone	15.94	19	ug/l	JN
	Total TIC, Semi-Volatile		2645	ug/l	J

(a) Internal standards are not within the advisory limits due to a matrix interference. Confirmed by reanalysis.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35602.D	1	10/23/09	SC	10/07/09	OP13269	EH1920
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	2.0	0.20	0.072	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	2.5	0.20	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
129-00-0	Pyrene	1.6	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84% [a]		17-131%
321-60-8	2-Fluorobiphenyl	111% [a]		15-137%
1718-51-0	Terphenyl-d14	88% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	916000	25000	670	ug/l	5	10/06/09	10/16/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4338
(2) Prep QC Batch: MP10399

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW18:1009		
Lab Sample ID:	T39187-3	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.034	0.010	0.0040	mg/l	1	10/08/09 13:02	CV	EPA 335.4
Sulfate	2040	40	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020644.D	1	10/09/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	46.6	50	4.7	ug/l	J
71-43-2	Benzene	57.0	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	5.0	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	18.2	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	27.1	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	103%		75-121%
2037-26-5	Toluene-D8	88%		87-119%
460-00-4	4-Bromofluorobenzene	86%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J13748.D	10	10/09/09	SC	10/07/09	OP13205	EJ631
Run #2	J13743.D	160	10/09/09	SC	10/07/09	OP13205	EJ631

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	13 U	100	13	ug/l	
105-67-9	2,4-Dimethylphenol	889	50	13	ug/l	
95-48-7	2-Methylphenol	1500 [b]	800	130	ug/l	
	3&4-Methylphenol	5960 [b]	800	250	ug/l	
108-95-2	Phenol	9010 [b]	800	120	ug/l	
83-32-9	Acenaphthene	441	50	16	ug/l	
120-12-7	Anthracene	170	50	11	ug/l	
86-73-7	Fluorene	140	50	13	ug/l	
91-20-3	Naphthalene	5150 [b]	800	180	ug/l	
85-01-8	Phenanthrene	127	50	9.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%	0% [c]	10-66%
4165-62-2	Phenol-d5	19%	0% [c]	10-53%
118-79-6	2,4,6-Tribromophenol	54%	0% [c]	32-128%
4165-60-0	Nitrobenzene-d5	45%	0% [c]	29-115%
321-60-8	2-Fluorobiphenyl	81%	0% [c]	34-113%
1718-51-0	Terphenyl-d14	94%	91%	12-145%

CAS No.	Tentatively Identified Compounds [d]	R.T.	Est. Conc.	Units	Q
108-99-6	Pyridine, 3-methyl-	3.56	290	ug/l	JN
108-47-4	Pyridine, 2,4-dimethyl-	3.73	490	ug/l	JN
108-47-4	Pyridine, 2,4-dimethyl-	4.12	1300	ug/l	JN
583-61-9	Pyridine, 2,3-dimethyl-	4.22	430	ug/l	JN
583-58-4	Pyridine, 3,4-dimethyl-	4.85	900	ug/l	JN
95-13-6	Indene	4.94	410	ug/l	JN
95-48-7	Phenol, 2-methyl-	5.05	430	ug/l	JN
695-98-7	Pyridine, 2,3,5-trimethyl-	5.20	810	ug/l	JN
108-39-4	Phenol, 3-methyl-	5.26	1200	ug/l	JN
533-37-9	2,3-Cyclopentenopyridine	5.53	130	ug/l	JN

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

SW-846 8270C

CAS No.	Tentatively Identified Compounds [d]	R.T.	Est. Conc.	Units	Q
88-05-1	Benzenamine, 2,4,6-trimethyl-	5.66	110	ug/l	JN
1721-93-3	Isoquinoline, 1-methyl-	7.22	790	ug/l	JN
1199-13-9	1,8-Naphthyridine, 3,6-dimethyl-	7.57	130	ug/l	JN
1463-17-8	2,8-Dimethylquinoline	7.91	2200	ug/l	JN
1198-37-4	Quinoline, 2,4-dimethyl-	8.07	790	ug/l	JN
877-43-0	Quinoline, 2,6-dimethyl-	8.15	130	ug/l	JN
1008-89-5	Pyridine, 2-phenyl-	8.20	240	ug/l	JN
613-46-7	2-Naphthalenecarbonitrile	8.55	190	ug/l	JN
28783-23-5	Thieno[3,2-c]pyridine, 2-chloro-	9.07	110	ug/l	JN
1792-41-2	1H-Benzimidazole, 2,5-dimethyl-	9.50	320	ug/l	JN
2739-16-4	1(2H)-Quinolinecarboxaldehyde, 3,4-dihyd	10.32	820	ug/l	JN
2739-16-4	1(2H)-Quinolinecarboxaldehyde, 3,4-dihyd	10.50	360	ug/l	JN
23501-93-1	Benzenemethanol, 3-(dimethylamino)-	11.65	790	ug/l	JN
1131-16-4	1H-Pyrazole, 3,5-dimethyl-1-phenyl-	11.86	300	ug/l	JN
4269-15-2	4-Amino-9-fluorenone	15.09	330	ug/l	JN
	Total TIC, Semi-Volatile		14000	ug/l	J

(a) Elevated reporting limits due to matrix interference.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.
(d) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35603.D	10	10/23/09	SC	10/07/09	OP13269	EH1920
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
208-96-8	Acenaphthylene	45.5	2.0	0.72	ug/l	
56-55-3	Benzo(a)anthracene	0.41 U	2.0	0.41	ug/l	
50-32-8	Benzo(a)pyrene	0.64 U	2.0	0.64	ug/l	
205-99-2	Benzo(b)fluoranthene	0.60 U	2.0	0.60	ug/l	
207-08-9	Benzo(k)fluoranthene	0.56 U	2.0	0.56	ug/l	
218-01-9	Chrysene	0.44 U	2.0	0.44	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.60 U	2.0	0.60	ug/l	
206-44-0	Fluoranthene	11.7	2.0	0.46	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.61 U	2.0	0.61	ug/l	
129-00-0	Pyrene	7.5	2.0	0.79	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81% [a]		17-131%
321-60-8	2-Fluorobiphenyl	60% [a]		15-137%
1718-51-0	Terphenyl-d14	131% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Sodium	3070000	130000	3400	ug/l	25	10/06/09	10/16/09	NS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4338
(2) Prep QC Batch: MP10399

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW33:1009		
Lab Sample ID:	T39187-4	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.29	0.010	0.0040	mg/l	1	10/08/09 13:02	CV	EPA 335.4
Sulfate	5030	100	2.6	mg/l	1	10/11/09 09:00	MC	SM 4500 SO4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW19:1009		
Lab Sample ID:	T39187-5	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020645.D	1	10/09/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	0.55 U	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW19:1009		
Lab Sample ID:	T39187-5	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J13721.D	1	10/09/09	SC	10/07/09	OP13205	EJ630
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	1.3 U	10	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	1.3 U	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.83 U	5.0	0.83	ug/l	
	3&4-Methylphenol	1.6 U	5.0	1.6	ug/l	
108-95-2	Phenol	0.75 U	5.0	0.75	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-66%
4165-62-2	Phenol-d5	34%		10-53%
118-79-6	2,4,6-Tribromophenol	79%		32-128%
4165-60-0	Nitrobenzene-d5	75%		29-115%
321-60-8	2-Fluorobiphenyl	69%		34-113%
1718-51-0	Terphenyl-d14	103%		12-145%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
692-47-7	3-Hexene, 2,2,5,5-tetramethyl-, (Z	4.02	7.7	ug/l	JN
565-75-3	Pentane, 2,3,4-trimethyl-	4.24	5.1	ug/l	JN
20662-83-3	Oxazole, 4,5-dimethyl-	4.26	6.6	ug/l	JN
109-21-7	Butanoic acid, butyl ester	7.17	9.1	ug/l	JN
	Total TIC, Semi-Volatile		28.5	ug/l	J

(a) Resorcinol was not detected in the sample.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW19:1009		
Lab Sample ID:	T39187-5	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H35503.D	1	10/20/09	SC	10/07/09	OP13269	EH1917
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW846 8270 PAH Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.40	0.20	0.042	ug/l	
208-96-8	Acenaphthylene	0.072 U	0.20	0.072	ug/l	
120-12-7	Anthracene	0.054 U	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	0.041 U	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	0.060 U	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	0.056 U	0.20	0.056	ug/l	
218-01-9	Chrysene	0.044 U	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.060 U	0.20	0.060	ug/l	
206-44-0	Fluoranthene	0.046 U	0.20	0.046	ug/l	
86-73-7	Fluorene	0.064 U	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.061 U	0.20	0.061	ug/l	
91-20-3	Naphthalene	1.8	0.20	0.075	ug/l	
85-01-8	Phenanthrene	0.075 U	0.20	0.075	ug/l	
129-00-0	Pyrene	0.079 U	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75% [a]		17-131%
321-60-8	2-Fluorobiphenyl	101% [a]		15-137%
1718-51-0	Terphenyl-d14	110% [a]		10-160%

(a) Recovery was adjusted for 10x spiking.

U = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW19:1009		
Lab Sample ID:	T39187-5	**Date Sampled:**	10/02/09
Matrix:	AQ - Ground Water	**Date Received:**	10/03/09
		Percent Solids:	n/a
Project:	Vertellus-Provo		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	0.0087 B	0.010	0.0040	mg/l	1	10/08/09 13:04	CV	EPA 335.4

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T39187-6	**Date Sampled:**	10/02/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/03/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Vertellus-Provo		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F020631.D	1	10/08/09	AP	n/a	n/a	VF3595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

8260 Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7 U	50	4.7	ug/l	
71-43-2	Benzene	0.50 U	2.0	0.50	ug/l	
67-66-3	Chloroform	0.64 U	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	0.53 U	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	0.55 U	2.0	0.55	ug/l	
74-95-3	Methylene bromide	0.65 U	2.0	0.65	ug/l	
75-09-2	Methylene chloride	0.41 U	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	3.9 U	10	3.9	ug/l	
108-88-3	Toluene	0.43 U	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	1.7 U	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-122%
17060-07-0	1,2-Dichloroethane-D4	97%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin Dr, Ste 150 Houston, TX 77036
TEL. 713-271-4700 FAX: 713-271-4770
www.accutest.com

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FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: T39187

Client / Reporting Information

Company Name: ERM
Street Address: 102 West 500 South, Suite 650
City: Salt Lake City State: UT Zip: 84101
Project Contact: Kevin Lundmark E-mail:
Phone #: 801 595-8400 Fax #:
Sampler(s) Name(s): Kris Benson Phone #:

Project Information

Project Name: Vertellus Provo
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analyses

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	ZnAcNaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	Volatile/8260	SVOC and SIMPAH/8270	Sodium /6010	Cyanide	Sulfate	LAB USE ONLY
1	MW21:1009	10/2/09	9:45	KB	GW	8	3	1			1	3							X	X	X	X	X	
2	MW22:1009	10/2/09	10:50	KB	GW	8	3	1			1	3							X	X	X	X	X	
3	MW18:1009	10/2/09	11:40	KB	GW	8	3	1			1	3							X	X	X	X	X	
4	MW33:1009	10/2/09	12:45	KB	GW	8	3	1			1	3							X	X	X	X	X	
5	MW19:1009	10/2/09	14:00	KB	GW	6	3	1				1							X	X	X	X	X	
6	Trip Blank																							

Turnaround Time (Business days)

- [xx] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [xx] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/2/09 15:30	1	2 Fed Ex	10/3/09 1010	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ]

On Ice: [X] Cooler Temp: 3.2

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T39187: Chain of Custody
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SAMPLE INSPECTION FORM

Accutest Job Number: T39187 Client: ERM Date/Time Received: 10/3/09 1050

# of Coolers Received: 1 Thermometer #: 12-1 Temperature Adjustment Factor: +0.4

Cooler Temps: #1: 3.2 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: _____

COOLER INFORMATION

- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY

- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION

- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: [signature]

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

MW19! 1009 no metals bottle or cyanide received

I:\mwalker\form\samplemanagement

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SAMPLE RECEIPT LOG

JOB #: T39187 DATE/TIME RECEIVED: 10/3/09 1050

CLIENT: ERM INITIALS: EF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW21 : 1009	10/2/09 945	W	LAG	1-2	1D	1 2 3 4 5 6 7 8	<2	>12
					P250	3		1 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 5 6 7 8	<2	>12
					40ml	6-8	VR	1 2 3 4 5 6 7 8	<2	>12
	2	MW22 : "	1050		LAG	1-2	1D	1 2 3 4 5 6 7 8	<2	>12
					P250	3		1 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 5 6 7 8	<2	>12
					40ml	6-8	VR	1 2 3 4 5 6 7 8	<2	>12
	3	MW18 : "	1140		LAG	1-2	1D	1 2 3 4 5 6 7 8	<2	>12
					P250	3		1 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 5 6 7 8	<2	>12
					40ml	6-8	VR	1 2 3 4 5 6 7 8	<2	>12
	4	MW33 : "	1245		LAG	1-2		1 2 3 4 5 6 7 8	<2	>12
					P250	3		1 2 3 4 5 6 7 8	<2	>12
					"	4		1 2 3 4 5 6 7 8	<2	>12
					P125	5		1 2 3 4 5 6 7 8	<2	>12
					40ml	6-8		1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

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T39187: Chain of Custody

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ACCUTEST Laboratories T39187

SAMPLE RECEIPT LOG

JOB #: T39187 DATE/TIME RECEIVED: 10/3/09 1050

CLIENT: ERM INITIALS: FF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	5	MW19 : 1009	10/2/09 1400	W	1 ACG	1-2	ID	(1) 2 3 4 5 6 7 8	<2	>12
					P125	3	"	1 2 3 4 (5) 6 7 8	<2	>12
↓					40 ml	4-6	VR	1 (2) 3 4 5 6 7 8	<2	>12
	6	Trip Blank	~~~		"	1-2	"	1 (2) 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

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T39187: Chain of Custody

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3595-MB	F020629.D	1	10/08/09	AP	n/a	n/a	VF3595

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5, T39187-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	4.7	ug/l	
71-43-2	Benzene	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.64	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.53	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.65	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.41	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	3.9	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	79-122%
17060-07-0	1,2-Dichloroethane-D4	96%	75-121%
2037-26-5	Toluene-D8	93%	87-119%
460-00-4	4-Bromofluorobenzene	90%	80-133%

Blank Spike Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3595-BS	F020627.D	1	10/08/09	AP	n/a	n/a	VF3595

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5, T39187-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	123	98	62-124
71-43-2	Benzene	25	26.7	107	76-118
67-66-3	Chloroform	25	26.0	104	75-117
75-15-0	Carbon disulfide	25	26.1	104	57-126
100-41-4	Ethylbenzene	25	24.4	98	75-112
74-95-3	Methylene bromide	25	25.3	101	68-114
75-09-2	Methylene chloride	25	27.3	109	70-113
78-93-3	Methyl ethyl ketone	125	125	100	62-117
108-88-3	Toluene	25	25.2	101	77-114
1330-20-7	Xylene (total)	75	74.5	99	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	97%	75-121%
2037-26-5	Toluene-D8	91%	87-119%
460-00-4	4-Bromofluorobenzene	88%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T39169-1MS	F020633.D	1	10/09/09	AP	n/a	n/a	VF3595
T39169-1MSD	F020634.D	1	10/09/09	AP	n/a	n/a	VF3595
T39169-1	F020632.D	1	10/08/09	AP	n/a	n/a	VF3595

The QC reported here applies to the following samples: **Method:** SW846 8260B

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5, T39187-6

CAS No.	Compound	T39169-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50 U		125	120	96	124	99	3	62-124/21
71-43-2	Benzene	2.0 U		25	27.7	111	27.3	109	1	76-118/16
67-66-3	Chloroform	2.0 U		25	26.8	107	26.8	107	0	75-117/12
75-15-0	Carbon disulfide	2.0 U		25	25.6	102	26.0	104	2	57-126/13
100-41-4	Ethylbenzene	2.0 U		25	24.4	98	24.3	97	0	75-112/12
74-95-3	Methylene bromide	2.0 U		25	26.1	104	26.2	105	0	68-114/13
75-09-2	Methylene chloride	5.0 U		25	25.2	101	25.2	101	0	70-113/13
78-93-3	Methyl ethyl ketone	10 U		125	119	95	122	98	2	62-117/21
108-88-3	Toluene	2.0 U		25	25.7	103	25.2	101	2	77-114/12
1330-20-7	Xylene (total)	6.0 U		75	75.1	100	74.2	99	1	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T39169-1	Limits
1868-53-7	Dibromofluoromethane	96%	97%	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	99%	75-121%
2037-26-5	Toluene-D8	90%	90%	90%	87-119%
460-00-4	4-Bromofluorobenzene	91%	89%	90%	80-133%

Instrument Performance Check (BFB)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-BFB
Lab File ID: F019681.D
Instrument ID: GCMSF
Injection Date: 09/14/09
Injection Time: 11:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	27589	22.5		Pass
75	30.0 - 60.0% of mass 95	65813	53.6		Pass
95	Base peak, 100% relative abundance	122850	100.0		Pass
96	5.0 - 9.0% of mass 95	8327	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	101570	82.7		Pass
175	5.0 - 9.0% of mass 174	7649	6.2	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	98674	80.3	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	6644	5.4	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VF3547-IC3547	F019682.D	09/14/09	12:31	00:33	Initial cal 1
VF3548-IC3547	F019682.D	09/14/09	12:31	00:33	Initial cal 1
VF3547-IC3547	F019683.D	09/14/09	13:01	01:03	Initial cal 2
VF3548-IC3547	F019683.D	09/14/09	13:01	01:03	Initial cal 2
VF3547-IC3547	F019684.D	09/14/09	13:31	01:33	Initial cal 5
VF3548-IC3547	F019684.D	09/14/09	13:31	01:33	Initial cal 5
VF3547-IC3547	F019685.D	09/14/09	14:01	02:03	Initial cal 20
VF3548-IC3547	F019685.D	09/14/09	14:01	02:03	Initial cal 20
VF3547-ICC3547	F019686.D	09/14/09	14:31	02:33	Initial cal 40
VF3548-ICC3547	F019686.D	09/14/09	14:31	02:33	Initial cal 40
VF3548-IC3547	F019687.D	09/14/09	15:01	03:03	Initial cal 100
VF3547-IC3547	F019687.D	09/14/09	15:01	03:03	Initial cal 100
VF3547-IC3547	F019688.D	09/14/09	15:31	03:33	Initial cal 200
VF3548-IC3547	F019688.D	09/14/09	15:31	03:33	Initial cal 200
VF3547-ICV3547	F019690.D	09/14/09	16:31	04:33	Initial cal verification 40
VF3548-ICV3547	F019690.D	09/14/09	16:31	04:33	Initial cal verification 40
VF3548-BS	F019692.D	09/14/09	17:31	05:33	Blank Spike
VF3548-MB	F019694.D	09/14/09	18:31	06:33	Method Blank
T37033-1	F019703.D	09/14/09	23:02	11:04	(used for QC only; not part of job T39187)
T37033-1MS	F019704.D	09/14/09	23:32	11:34	Matrix Spike
T37033-1MSD	F019705.D	09/15/09	00:02	12:04	Matrix Spike Duplicate
ZZZZZZ	F019707.D	09/15/09	01:01	13:03	(unrelated sample)
ZZZZZZ	F019708.D	09/15/09	01:31	13:33	(unrelated sample)
ZZZZZZ	F019709.D	09/15/09	02:02	14:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample:	VF3547-BFB	**Injection Date:**	09/14/09
Lab File ID:	F019681.D	**Injection Time:**	11:58
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F019710.D	09/15/09	02:32	14:34	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3595-BFB
Lab File ID: F020625.D
Instrument ID: GCMSF
Injection Date: 10/08/09
Injection Time: 20:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5525	22.1		Pass
75	30.0 - 60.0% of mass 95	13132	52.6		Pass
95	Base peak, 100% relative abundance	24970	100.0		Pass
96	5.0 - 9.0% of mass 95	1787	7.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	20570	82.4		Pass
175	5.0 - 9.0% of mass 174	1619	6.5	(7.9) [a]	Pass
176	95.0 - 101.0% of mass 174	20634	82.6	(100.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1464	5.9	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VF3595-CC3547	F020626.D	10/08/09	20:42	00:30	Continuing cal 40
VF3595-BS	F020627.D	10/08/09	21:12	01:00	Blank Spike
VF3595-MB	F020629.D	10/08/09	22:12	02:00	Method Blank
ZZZZZZ	F020630.D	10/08/09	22:42	02:30	(unrelated sample)
T39187-6	F020631.D	10/08/09	23:13	03:01	TRIP BLANK
T39169-1	F020632.D	10/08/09	23:43	03:31	(used for QC only; not part of job T39187)
T39169-1MS	F020633.D	10/09/09	00:13	04:01	Matrix Spike
T39169-1MSD	F020634.D	10/09/09	00:43	04:31	Matrix Spike Duplicate
ZZZZZZ	F020636.D	10/09/09	01:42	05:30	(unrelated sample)
ZZZZZZ	F020637.D	10/09/09	02:12	06:00	(unrelated sample)
ZZZZZZ	F020638.D	10/09/09	02:43	06:31	(unrelated sample)
ZZZZZZ	F020639.D	10/09/09	03:13	07:01	(unrelated sample)
ZZZZZZ	F020640.D	10/09/09	03:43	07:31	(unrelated sample)
T39187-1	F020641.D	10/09/09	04:13	08:01	MW21:1009
T39187-2	F020642.D	10/09/09	04:43	08:31	MW22:1009
T39187-3	F020643.D	10/09/09	05:14	09:02	MW18:1009
T39187-4	F020644.D	10/09/09	05:44	09:32	MW33:1009
T39187-5	F020645.D	10/09/09	06:14	10:02	MW19:1009

Volatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	VF3595-CC3547	**Injection Date:**	10/08/09
Lab File ID:	F020626.D	**Injection Time:**	20:42
Instrument ID:	GCMSF	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	983492	10.64	722271	14.61	406688	17.80
Upper Limit [a]	1966984	11.14	1444542	15.11	813376	18.30
Lower Limit [b]	491746	10.14	361136	14.11	203344	17.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VF3595-BS	1002685	10.65	748924	14.61	426103	17.80
VF3595-MB	1028568	10.64	768490	14.61	425275	17.80
ZZZZZZ	1012111	10.65	751235	14.62	421765	17.81
T39187-6	1009978	10.66	753333	14.62	420466	17.81
T39169-1	980510	10.65	751095	14.62	415830	17.81
T39169-1MS	989057	10.65	742850	14.62	417703	17.80
T39169-1MSD	1023042	10.66	777316	14.63	442321	17.81
ZZZZZZ	1039027	10.66	797108	14.63	440474	17.82
ZZZZZZ	1033228	10.66	773328	14.63	434999	17.82
ZZZZZZ	1039223	10.66	785005	14.64	430358	17.82
ZZZZZZ	1018214	10.66	769449	14.63	432871	17.82
ZZZZZZ	1005725	10.66	766004	14.63	426542	17.82
T39187-1	985328	10.66	757277	14.63	424258	17.82
T39187-2	993465	10.66	752584	14.63	420847	17.82
T39187-3	1000871	10.66	768168	14.63	429122	17.82
T39187-4	1006810	10.66	780036	14.63	447872	17.82
T39187-5	1374958	10.66	1048168	14.63	574392	17.82

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
T39187-1	F020641.D	100.0	102.0	90.0	89.0
T39187-2	F020642.D	98.0	101.0	90.0	90.0
T39187-3	F020643.D	100.0	102.0	90.0	89.0
T39187-4	F020644.D	99.0	103.0	88.0	86.0
T39187-5	F020645.D	92.0	88.0	90.0	89.0
T39187-6	F020631.D	96.0	97.0	90.0	91.0
T39169-1MS	F020633.D	96.0	102.0	90.0	91.0
T39169-1MSD	F020634.D	97.0	101.0	90.0	89.0
VF3595-BS	F020627.D	97.0	97.0	91.0	88.0
VF3595-MB	F020629.D	96.0	96.0	93.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-122%
S2 = 1,2-Dichloroethane-D4	75-121%
S3 = Toluene-D8	87-119%
S4 = 4-Bromofluorobenzene	80-133%

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3547-ICC3547
Lab FileID: F019686.D


```
                         Response Factor Report  GC/MS F

 Method       : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
 Title        : SW846 8260B and EPA 624
 Last Update  : Tue Sep 15 16:21:04 2009
 Response via : Initial Calibration

 Calibration Files
 1   =F019683.D   2   =F019684.D   3   =F019685.D   4   =F019686.D
 7   =F019688.D   5   =F019687.D   8   =F019682.D

    Compound             1     2     3     4     7     5     8     Avg   %RSD
 ------------------------------------------------------------------------------

 1) I   Fluorobenzene         ----------------ISTD---------------------
 2)  Dichlorodifluorom 0.274 0.296 0.255 0.348 0.253 0.248 0.291 0.281  12.57
 3)P Chloromethane     0.234 0.229 0.183 0.347 0.247 0.235 0.356 0.261  24.68
            ---- Linear regression ----  Coefficient =  0.9906
              Response Ratio = 0.00644 + 0.24473 *A

 4)C Vinyl Chloride    0.199 0.211 0.168 0.280 0.207 0.194 0.233 0.213  16.63
            ---- Linear regression ----  Coefficient =  0.9924
              Response Ratio = 0.00509 + 0.20439 *A

 5)  Bromomethane      0.221 0.195 0.162 0.189 0.155 0.149 0.243 0.188  18.89
            ---- Linear regression ----  Coefficient =  0.9976
              Response Ratio = 0.00600 + 0.15275 *A

 6)  Chloroethane      0.132 0.132 0.117 0.138 0.134 0.124 0.157 0.134   9.39
 7)  Trichlorofluorome 0.455 0.440 0.401 0.450 0.412 0.386 0.493 0.434   8.47
 8)  Acrolein          0.023 0.023 0.019 0.020 0.022 0.022 0.022 0.022   6.74
 9)  Ethyl Ether       0.201 0.179 0.160 0.183 0.174 0.169 0.195 0.180   7.90
10)C 1,1-Dichloroethen 0.391 0.358 0.315 0.354 0.341 0.328 0.365 0.350   7.11
11)  Freon 113         0.249 0.256 0.218 0.221 0.221 0.205 0.207 0.225   8.65
12)  Acetone           0.120 0.082 0.062 0.071 0.062 0.064 0.171 0.090  45.59
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = 0.01355 + 0.06190 *A

13)  Iodomethane       0.406 0.398 0.370 0.428 0.363 0.370 0.382 0.388   6.05
14)  Methyl acetate    0.170 0.146 0.125 0.144 0.145 0.145 0.217 0.156  19.26
            ---- Linear regression ----  Coefficient =  0.9998
              Response Ratio = -0.00620 + 0.14558 *A

15)  Allyl Chloride    0.288 0.331 0.329 0.234 0.189 0.227       0.266  22.03
            ---- Quadratic regression ----  Coefficient =  0.9980
              Response Ratio = 0.00907 + 0.25660 *A + -0.01757 *A^2

16)  Carbon Disulfide  0.710 0.714 0.626 0.691 0.700 0.673 0.719 0.690   4.73
17)  Acetonitrile      0.103 0.157 0.041 0.041 0.059 0.050 0.175 0.090  63.38
            ---- Quadratic regression ----  Coefficient =  0.9977
              Response Ratio = 0.01091 + 0.03549 *A + 0.00225 *A^2

18)  Methylene Chlorid 0.392 0.323 0.275 0.307 0.290 0.291 0.499 0.340  23.58
            ---- Linear regression ----  Coefficient =  0.9998
              Response Ratio = 0.00382 + 0.28922 *A

19)  Tert Butyl Alcoho 0.022 0.020 0.018 0.022 0.019 0.020 0.024 0.021   9.78
20)  trans-1,2-Dichlor 0.341 0.338 0.306 0.340 0.320 0.316 0.325 0.327   4.18
21)  Acrylonitrile     0.060 0.057 0.052 0.055 0.063 0.062 0.061 0.058   6.89
22)  Methyl Tert Butyl 0.808 0.744 0.671 0.772 0.686 0.690 0.810 0.740   7.93
```

Initial Calibration Summary

Job Number: T39187 **Sample:** VF3547-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

23)	Hexane	0.194	0.197	0.165	0.165	0.180	0.180	0.181	0.180	7.09
24)P	1,1-Dichloroethan	0.441	0.445	0.373	0.434	0.398	0.388	0.410	0.413	6.80
25)	Vinyl acetate	0.534	0.522	0.460	0.536	0.501	0.492	0.580	0.518	7.36
26)	Di-isopropyl ethe	0.810	0.816	0.710	0.819	0.805	0.799	0.891	0.807	6.54
27)	Chloroprene	0.383	0.405	0.388	0.394	0.352	0.330	0.426	0.382	8.43
28)	Ethyl tert-butyl	0.794	0.813	0.731	0.848	0.766	0.773	0.828	0.793	5.07
29)	2,2-Dichloropropa	0.382	0.392	0.329	0.353	0.264	0.287	0.379	0.341	14.67
30)	cis-1,2-Dichloroe	0.307	0.292	0.267	0.295	0.273	0.266	0.287	0.284	5.45
31)	Ethyl Acetate	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
32)	2-Butanone	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
33)	Propionitrile	0.019	0.021	0.022	0.023	0.024	0.023	0.019	0.021	8.86
34)	Methacrylonitrile	0.209	0.173	0.168	0.177	0.163	0.164	0.260	0.188	18.90
35)	Bromochloromethan	0.147	0.143	0.136	0.154	0.139	0.140	0.125	0.141	6.37
36)C	Chloroform	0.605	0.573	0.515	0.590	0.490	0.508	0.547	0.547	8.08
37)	Tetrahydrofuran	0.119	0.088	0.125	0.145	0.119	0.120	0.175	0.127	21.05

---- Linear regression ---- Coefficient = 0.9980
Response Ratio = 0.00368 + 0.11862 *A

38)	1,1,1-Trichloroet	0.519	0.502	0.451	0.501	0.411	0.428	0.487	0.471	8.76
39)S	Dibromofluorometh	0.290	0.308	0.272	0.313	0.281	0.280	0.331	0.296	7.21
40)	Cyclohexane	0.312	0.289	0.261	0.272	0.289	0.295	0.268	0.284	6.33
41)	Isobutyl Alcohol	0.001	0.003	0.004	0.003	0.004	0.003	0.007	0.004	45.97

---- Linear regression ---- Coefficient = 0.9990
Response Ratio = -0.00176 + 0.00358 *A

42)	n-Butyl Alcohol	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002	29.20

---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.00186 + 0.00219 *A

43)	1,1-Dichloroprope	0.373	0.369	0.335	0.360	0.332	0.343	0.347	0.351	4.65
44)	Carbon Tetrachlor	0.448	0.444	0.392	0.430	0.362	0.372	0.427	0.411	8.51
45)S	1,2-Dichloroethan	0.427	0.448	0.378	0.439	0.363	0.369	0.492	0.417	11.54
46)	Benzene	0.855	0.853	0.755	0.821	0.810	0.837	0.811	0.820	4.18
47)	1,2-Dichloroethan	0.500	0.516	0.445	0.507	0.416	0.435	0.512	0.476	8.85
48)	tert-amyl methyl	0.783	0.754	0.672	0.759	0.708	0.730	0.825	0.747	6.66
49)	Trichloroethene	0.415	0.337	0.263	0.289	0.270	0.273	0.561	0.344	31.94

---- Linear regression ---- Coefficient = 0.9998
Response Ratio = 0.00617 + 0.26928 *A

50)	Methylcyclohexane	0.266	0.289	0.242	0.252	0.266	0.276	0.259	0.264	5.81
51)	Methyl Methacryla	0.215	0.211	0.209	0.227	0.208	0.215	0.248	0.219	6.56
52)C	1,2-Dichloropropa	0.209	0.204	0.180	0.202	0.209	0.208	0.201	0.202	5.08
53)	Dibromomethane	0.199	0.209	0.180	0.206	0.186	0.191	0.189	0.194	5.49
54)	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002		0.002	13.52
55)	Bromodichlorometh	0.484	0.500	0.429	0.496	0.432	0.448	0.515	0.472	7.42
56)	2-Nitropropane	0.116	0.103	0.095	0.103	0.081	0.087	0.112	0.100	12.73
57)	2-Chloroethyl vin	0.096	0.093	0.091	0.110	0.117	0.118	0.103	0.104	10.58
58)	1-Bromo-2-Chloroe	0.306	0.289	0.257	0.293	0.300	0.306	0.312	0.295	6.22
59)	4-Methyl-2-pentan	0.209	0.193	0.167	0.192	0.189	0.195	0.221	0.195	8.57
60)	cis-1,3-Dichlorop	0.447	0.436	0.397	0.459	0.440	0.454	0.453	0.441	4.77
61) I	Chlorobenzene-d5	----------ISTD----------								
62)S	Toluene-d8	1.178	1.230	1.023	1.139	1.217	1.154	1.449	1.199	10.81
63)C	Toluene	1.404	1.380	1.192	1.307	1.357	1.342	1.404	1.341	5.53
64)	Ethyl Methacrylat	0.405	0.412	0.424	0.438	0.456	0.440	0.418	0.428	4.17
65)	trans-1,3-Dichlor	0.598	0.589	0.527	0.601	0.580	0.588	0.589	0.582	4.34
66)	1,1,2-Trichloroet	0.262	0.253	0.221	0.247	0.256	0.257	0.261	0.251	5.62
67)	Tetrachloroethene	0.454	0.447	0.386	0.403	0.411	0.410	0.441	0.422	6.08
68)	2-hexanone	0.202	0.184	0.167	0.192	0.192	0.198	0.210	0.192	7.18
69)	1,3-Dichloropropa	0.592	0.563	0.506	0.553	0.568	0.576	0.594	0.564	5.29

Initial Calibration Summary

Job Number: T39187 **Sample:** VF3547-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

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 70)  Dibromochlorometh 0.439 0.442 0.396 0.455 0.436 0.436 0.426 0.433   4.26
 71)  1,2-Dibromoethane 0.369 0.352 0.320 0.355 0.363 0.362 0.347 0.353   4.59
 72)  1-Chlorohexane    0.494 0.466 0.408 0.467 0.483 0.489 0.484 0.470   6.23
 73)P Chlorobenzene     0.905 0.902 0.792 0.890 0.888 0.893 0.959 0.890   5.59
 74)  1,1,1,2-Tetrachlo 0.417 0.407 0.345 0.400 0.367 0.370 0.388 0.385   6.65
 75)C Ethylbenzene      1.828 1.723 1.455 1.674 1.587 1.610 1.813 1.670   7.92
 76)  m,p-Xylene        1.397 1.341 1.150 1.311 1.218 1.250 1.329 1.285   6.53
 77)  o-Xylene          1.445 1.372 1.183 1.374 1.287 1.313 1.384 1.337   6.36
 78)  Styrene           0.951 0.957 0.850 0.985 0.989 1.005 0.918 0.951   5.60
 79)P Bromoform         0.333 0.299 0.283 0.329 0.304 0.305 0.302 0.308   5.74

 80) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 81)  Isopropylbenzene  2.385 2.318 1.989 2.162 2.329 2.406 2.256 2.264   6.45
 82)  Cyclohexanone     0.024 0.019 0.015 0.018 0.019 0.020 0.014 0.019  18.27
             ---- Linear regression ----  Coefficient =  0.9986
               Response Ratio = -0.00109 + 0.01929 *A

 83)S 4-Bromofluorobenz 0.981 0.968 0.811 0.925 0.956 0.957 1.350 0.993  16.91
             ---- Linear regression ----  Coefficient =  0.9997
               Response Ratio = -0.01304 + 0.95902 *A

 84)  Bromobenzene      0.882 0.820 0.729 0.783 0.805 0.833 0.814 0.809   5.81
 85)P 1,1,2,2-Tetrachlo 0.668 0.585 0.528 0.596 0.628 0.654 0.672 0.619   8.50
 86)  Trans-1,4-Dichlor 0.235 0.216 0.208 0.242 0.229 0.237 0.237 0.229   5.48
 87)  1,2,3-Trichloropr 0.254 0.228 0.212 0.229 0.231 0.240 0.257 0.236   6.71
 88)  n-Propylbenzene   3.311 3.163 2.714 2.992 3.085 3.232 3.226 3.103   6.48
 89)  2-Chlorotoluene   2.495 2.397 1.997 2.208 2.210 2.298 2.540 2.306   8.17
 90)  4-Chlorotoluene   2.348 2.138 1.868 2.078 2.102 2.181 2.367 2.155   7.90
 91)  1,3,5-Trimethylbe 2.203 2.104 1.819 1.999 2.063 2.128 2.057 2.053   5.91
 92)  Pentachloroethane 0.550 0.507 0.524 0.513 0.516 0.510 0.533 0.522   2.91
 93)  sec-Butylbenzene  2.424 2.274 1.961 2.173 2.232 2.346 2.443 2.264   7.33
 94)  1,3-Dichlorobenze 1.392 1.292 1.118 1.249 1.242 1.300 1.255 1.264   6.50
 95)  4-Isopropyltoluen 1.984 1.869 1.641 1.773 1.815 1.900 1.906 1.841   6.04
 96)  1,4-Dichlorobenze 1.392 1.361 1.177 1.318 1.281 1.329 1.255 1.302   5.50
 97)  tert-Butylbenzene 0.523 0.462 0.363 0.395 0.379 0.398 0.657 0.454  23.19
             ---- Linear regression ----  Coefficient =  0.9994
               Response Ratio = 0.00764 + 0.38073 *A

 98)  n-Butylbenzene    1.868 1.758 1.533 1.805 1.688 1.785 2.041 1.782   8.75
 99)  1,2-Dichlorobenze 1.255 1.189 1.039 1.235 1.139 1.192 1.254 1.186   6.50
100)  1,2,4-Trimethylbe 2.292 2.265 1.941 2.152 2.184 2.278 2.250 2.195   5.60
101)  Hexachloroethane  0.466 0.401 0.400 0.507 0.373 0.384 0.523 0.436  14.10
102)  1,2-Dibromo-3-Chl 0.155 0.115 0.099 0.129 0.096 0.100 0.150 0.121  20.48
             ---- Linear regression ----  Coefficient =  0.9955
               Response Ratio = 0.00644 + 0.09523 *A

103)  1,2,4-Trichlorobe 0.619 0.553 0.542 0.727 0.563 0.586 0.802 0.627  15.83
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = 0.02420 + 0.56362 *A

104)  Hexachlorobutadie 0.365 0.293 0.264 0.327 0.244 0.267 0.518 0.325  28.98
             ---- Linear regression ----  Coefficient =  0.9950
               Response Ratio = 0.01874 + 0.24470 *A

105)  Naphthalene       0.896 0.741 0.758 1.076 0.822 0.858 1.378 0.933  24.20
             ---- Linear regression ----  Coefficient =  0.9957
               Response Ratio = 0.03437 + 0.82381 *A

106)  1,2,3-Trichlorobe 0.420 0.324 0.301 0.404 0.305 0.317 0.633 0.386  30.77
             ---- Linear regression ----  Coefficient =  0.9959
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICC3547
Lab FileID: F019686.D

```
                Response Ratio = 0.01703 + 0.30448 *A


107) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
108)H TPH-GRO (C6-C10)  0.865 1.185 2.152 2.237 4.987 4.850 0.117 2.342  81.40
              ---- Linear regression ----  Coefficient =  0.9567
                Response Ratio = -79.72504 + 5.16970 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range

          VF3547AP9G.M        Tue Sep 15 16:56:11 2009
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3548-ICC3547
Lab FileID: F019686.D


```
                         Response Factor Report  GC/MS F

 Method       : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
 Title        : SW846 8260B and EPA 624
 Last Update  : Tue Sep 15 16:21:04 2009
 Response via : Initial Calibration

 Calibration Files
 1   =F019683.D   2   =F019684.D   3   =F019685.D   4   =F019686.D
 7   =F019688.D   5   =F019687.D   8   =F019682.D

    Compound             1     2     3     4     7     5     8     Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   Fluorobenzene         ----------------ISTD---------------------
 2)  Dichlorodifluorom 0.274 0.296 0.255 0.348 0.253 0.248 0.291 0.281  12.57
 3)P Chloromethane     0.234 0.229 0.183 0.347 0.247 0.235 0.356 0.261  24.68
            ---- Linear regression ----  Coefficient =  0.9906
              Response Ratio = 0.00644 + 0.24473 *A

 4)C Vinyl Chloride    0.199 0.211 0.168 0.280 0.207 0.194 0.233 0.213  16.63
            ---- Linear regression ----  Coefficient =  0.9924
              Response Ratio = 0.00509 + 0.20439 *A

 5)  Bromomethane      0.221 0.195 0.162 0.189 0.155 0.149 0.243 0.188  18.89
            ---- Linear regression ----  Coefficient =  0.9976
              Response Ratio = 0.00600 + 0.15275 *A

 6)  Chloroethane      0.132 0.132 0.117 0.138 0.134 0.124 0.157 0.134   9.39
 7)  Trichlorofluorome 0.455 0.440 0.401 0.450 0.412 0.386 0.493 0.434   8.47
 8)  Acrolein          0.023 0.023 0.019 0.020 0.022 0.022 0.022 0.022   6.74
 9)  Ethyl Ether       0.201 0.179 0.160 0.183 0.174 0.169 0.195 0.180   7.90
10)C 1,1-Dichloroethen 0.391 0.358 0.315 0.354 0.341 0.328 0.365 0.350   7.11
11)  Freon 113         0.249 0.256 0.218 0.221 0.221 0.205 0.207 0.225   8.65
12)  Acetone           0.120 0.082 0.062 0.071 0.062 0.064 0.171 0.090  45.59
            ---- Linear regression ----  Coefficient =  0.9994
              Response Ratio = 0.01355 + 0.06190 *A

13)  Iodomethane       0.406 0.398 0.370 0.428 0.363 0.370 0.382 0.388   6.05
14)  Methyl acetate    0.170 0.146 0.125 0.144 0.145 0.145 0.217 0.156  19.26
            ---- Linear regression ----  Coefficient =  0.9998
              Response Ratio = -0.00620 + 0.14558 *A

15)  Allyl Chloride    0.288 0.331 0.329 0.234 0.189 0.227       0.266  22.03
            ---- Quadratic regression ----  Coefficient =  0.9980
              Response Ratio = 0.00907 + 0.25660 *A + -0.01757 *A^2

16)  Carbon Disulfide  0.710 0.714 0.626 0.691 0.700 0.673 0.719 0.690   4.73
17)  Acetonitrile      0.103 0.157 0.041 0.041 0.059 0.050 0.175 0.090  63.38
            ---- Quadratic regression ----  Coefficient =  0.9977
              Response Ratio = 0.01091 + 0.03549 *A + 0.00225 *A^2

18)  Methylene Chlorid 0.392 0.323 0.275 0.307 0.290 0.291 0.499 0.340  23.58
            ---- Linear regression ----  Coefficient =  0.9998
              Response Ratio = 0.00382 + 0.28922 *A

19)  Tert Butyl Alcoho 0.022 0.020 0.018 0.022 0.019 0.020 0.024 0.021   9.78
20)  trans-1,2-Dichlor 0.341 0.338 0.306 0.340 0.320 0.316 0.325 0.327   4.18
21)  Acrylonitrile     0.060 0.057 0.052 0.055 0.063 0.062 0.061 0.058   6.89
22)  Methyl Tert Butyl 0.808 0.744 0.671 0.772 0.686 0.690 0.810 0.740   7.93
```

Initial Calibration Summary

Job Number: T39187 **Sample:** VF3548-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

23)	Hexane	0.194	0.197	0.165	0.165	0.180	0.180	0.181	0.180	7.09
24)P	1,1-Dichloroethan	0.441	0.445	0.373	0.434	0.398	0.388	0.410	0.413	6.80
25)	Vinyl acetate	0.534	0.522	0.460	0.536	0.501	0.492	0.580	0.518	7.36
26)	Di-isopropyl ethe	0.810	0.816	0.710	0.819	0.805	0.799	0.891	0.807	6.54
27)	Chloroprene	0.383	0.405	0.388	0.394	0.352	0.330	0.426	0.382	8.43
28)	Ethyl tert-butyl	0.794	0.813	0.731	0.848	0.766	0.773	0.828	0.793	5.07
29)	2,2-Dichloropropa	0.382	0.392	0.329	0.353	0.264	0.287	0.379	0.341	14.67
30)	cis-1,2-Dichloroe	0.307	0.292	0.267	0.295	0.273	0.266	0.287	0.284	5.45
31)	Ethyl Acetate	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
32)	2-Butanone	0.310	0.297	0.256	0.295	0.284	0.286	0.229	0.279	10.03
33)	Propionitrile	0.019	0.021	0.022	0.023	0.024	0.023	0.019	0.021	8.86
34)	Methacrylonitrile	0.209	0.173	0.168	0.177	0.163	0.164	0.260	0.188	18.90
35)	Bromochloromethan	0.147	0.143	0.136	0.154	0.139	0.140	0.125	0.141	6.37
36)C	Chloroform	0.605	0.573	0.515	0.590	0.490	0.508	0.547	0.547	8.08
37)	Tetrahydrofuran	0.119	0.088	0.125	0.145	0.119	0.120	0.175	0.127	21.05

---- Linear regression ---- Coefficient = 0.9980
Response Ratio = 0.00368 + 0.11862 *A

38)	1,1,1-Trichloroet	0.519	0.502	0.451	0.501	0.411	0.428	0.487	0.471	8.76
39)S	Dibromofluorometh	0.290	0.308	0.272	0.313	0.281	0.280	0.331	0.296	7.21
40)	Cyclohexane	0.312	0.289	0.261	0.272	0.289	0.295	0.268	0.284	6.33
41)	Isobutyl Alcohol	0.001	0.003	0.004	0.003	0.004	0.003	0.007	0.004	45.97

---- Linear regression ---- Coefficient = 0.9990
Response Ratio = -0.00176 + 0.00358 *A

42)	n-Butyl Alcohol	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002	29.20

---- Linear regression ---- Coefficient = 0.9995
Response Ratio = -0.00186 + 0.00219 *A

43)	1,1-Dichloroprope	0.373	0.369	0.335	0.360	0.332	0.343	0.347	0.351	4.65
44)	Carbon Tetrachlor	0.448	0.444	0.392	0.430	0.362	0.372	0.427	0.411	8.51
45)S	1,2-Dichloroethan	0.427	0.448	0.378	0.439	0.363	0.369	0.492	0.417	11.54
46)	Benzene	0.855	0.853	0.755	0.821	0.810	0.837	0.811	0.820	4.18
47)	1,2-Dichloroethan	0.500	0.516	0.445	0.507	0.416	0.435	0.512	0.476	8.85
48)	tert-amyl methyl	0.783	0.754	0.672	0.759	0.708	0.730	0.825	0.747	6.66
49)	Trichloroethene	0.415	0.337	0.263	0.289	0.270	0.273	0.561	0.344	31.94

---- Linear regression ---- Coefficient = 0.9998
Response Ratio = 0.00617 + 0.26928 *A

50)	Methylcyclohexane	0.266	0.289	0.242	0.252	0.266	0.276	0.259	0.264	5.81
51)	Methyl Methacryla	0.215	0.211	0.209	0.227	0.208	0.215	0.248	0.219	6.56
52)C	1,2-Dichloropropa	0.209	0.204	0.180	0.202	0.209	0.208	0.201	0.202	5.08
53)	Dibromomethane	0.199	0.209	0.180	0.206	0.186	0.191	0.189	0.194	5.49
54)	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002		0.002	13.52
55)	Bromodichlorometh	0.484	0.500	0.429	0.496	0.432	0.448	0.515	0.472	7.42
56)	2-Nitropropane	0.116	0.103	0.095	0.103	0.081	0.087	0.112	0.100	12.73
57)	2-Chloroethyl vin	0.096	0.093	0.091	0.110	0.117	0.118	0.103	0.104	10.58
58)	1-Bromo-2-Chloroe	0.306	0.289	0.257	0.293	0.300	0.306	0.312	0.295	6.22
59)	4-Methyl-2-pentan	0.209	0.193	0.167	0.192	0.189	0.195	0.221	0.195	8.57
60)	cis-1,3-Dichlorop	0.447	0.436	0.397	0.459	0.440	0.454	0.453	0.441	4.77
61) I	Chlorobenzene-d5	----------ISTD----------								
62)S	Toluene-d8	1.178	1.230	1.023	1.139	1.217	1.154	1.449	1.199	10.81
63)C	Toluene	1.404	1.380	1.192	1.307	1.357	1.342	1.404	1.341	5.53
64)	Ethyl Methacrylat	0.405	0.412	0.424	0.438	0.456	0.440	0.418	0.428	4.17
65)	trans-1,3-Dichlor	0.598	0.589	0.527	0.601	0.580	0.588	0.589	0.582	4.34
66)	1,1,2-Trichloroet	0.262	0.253	0.221	0.247	0.256	0.257	0.261	0.251	5.62
67)	Tetrachloroethene	0.454	0.447	0.386	0.403	0.411	0.410	0.441	0.422	6.08
68)	2-hexanone	0.202	0.184	0.167	0.192	0.192	0.198	0.210	0.192	7.18
69)	1,3-Dichloropropa	0.592	0.563	0.506	0.553	0.568	0.576	0.594	0.564	5.29

Initial Calibration Summary

Job Number: T39187 **Sample:** VF3548-ICC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F019686.D
Project: Vertellus-Provo

```
 70)  Dibromochlorometh 0.439 0.442 0.396 0.455 0.436 0.436 0.426 0.433   4.26
 71)  1,2-Dibromoethane 0.369 0.352 0.320 0.355 0.363 0.362 0.347 0.353   4.59
 72)  1-Chlorohexane    0.494 0.466 0.408 0.467 0.483 0.489 0.484 0.470   6.23
 73)P Chlorobenzene     0.905 0.902 0.792 0.890 0.888 0.893 0.959 0.890   5.59
 74)  1,1,1,2-Tetrachlo 0.417 0.407 0.345 0.400 0.367 0.370 0.388 0.385   6.65
 75)C Ethylbenzene      1.828 1.723 1.455 1.674 1.587 1.610 1.813 1.670   7.92
 76)  m,p-Xylene        1.397 1.341 1.150 1.311 1.218 1.250 1.329 1.285   6.53
 77)  o-Xylene          1.445 1.372 1.183 1.374 1.287 1.313 1.384 1.337   6.36
 78)  Styrene           0.951 0.957 0.850 0.985 0.989 1.005 0.918 0.951   5.60
 79)P Bromoform         0.333 0.299 0.283 0.329 0.304 0.305 0.302 0.308   5.74

 80) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 81)  Isopropylbenzene  2.385 2.318 1.989 2.162 2.329 2.406 2.256 2.264   6.45
 82)  Cyclohexanone     0.024 0.019 0.015 0.018 0.019 0.020 0.014 0.019  18.27
             ---- Linear regression ----  Coefficient =  0.9986
               Response Ratio = -0.00109 + 0.01929 *A

 83)S 4-Bromofluorobenz 0.981 0.968 0.811 0.925 0.956 0.957 1.350 0.993  16.91
             ---- Linear regression ----  Coefficient =  0.9997
               Response Ratio = -0.01304 + 0.95902 *A

 84)  Bromobenzene      0.882 0.820 0.729 0.783 0.805 0.833 0.814 0.809   5.81
 85)P 1,1,2,2-Tetrachlo 0.668 0.585 0.528 0.596 0.628 0.654 0.672 0.619   8.50
 86)  Trans-1,4-Dichlor 0.235 0.216 0.208 0.242 0.229 0.237 0.237 0.229   5.48
 87)  1,2,3-Trichloropr 0.254 0.228 0.212 0.229 0.231 0.240 0.257 0.236   6.71
 88)  n-Propylbenzene   3.311 3.163 2.714 2.992 3.085 3.232 3.226 3.103   6.48
 89)  2-Chlorotoluene   2.495 2.397 1.997 2.208 2.210 2.298 2.540 2.306   8.17
 90)  4-Chlorotoluene   2.348 2.138 1.868 2.078 2.102 2.181 2.367 2.155   7.90
 91)  1,3,5-Trimethylbe 2.203 2.104 1.819 1.999 2.063 2.128 2.057 2.053   5.91
 92)  Pentachloroethane 0.550 0.507 0.524 0.513 0.516 0.510 0.533 0.522   2.91
 93)  sec-Butylbenzene  2.424 2.274 1.961 2.173 2.232 2.346 2.443 2.264   7.33
 94)  1,3-Dichlorobenze 1.392 1.292 1.118 1.249 1.242 1.300 1.255 1.264   6.50
 95)  4-Isopropyltoluen 1.984 1.869 1.641 1.773 1.815 1.900 1.906 1.841   6.04
 96)  1,4-Dichlorobenze 1.392 1.361 1.177 1.318 1.281 1.329 1.255 1.302   5.50
 97)  tert-Butylbenzene 0.523 0.462 0.363 0.395 0.379 0.398 0.657 0.454  23.19
             ---- Linear regression ----  Coefficient =  0.9994
               Response Ratio = 0.00764 + 0.38073 *A

 98)  n-Butylbenzene    1.868 1.758 1.533 1.805 1.688 1.785 2.041 1.782   8.75
 99)  1,2-Dichlorobenze 1.255 1.189 1.039 1.235 1.139 1.192 1.254 1.186   6.50
100)  1,2,4-Trimethylbe 2.292 2.265 1.941 2.152 2.184 2.278 2.250 2.195   5.60
101)  Hexachloroethane  0.466 0.401 0.400 0.507 0.373 0.384 0.523 0.436  14.10
102)  1,2-Dibromo-3-Chl 0.155 0.115 0.099 0.129 0.096 0.100 0.150 0.121  20.48
             ---- Linear regression ----  Coefficient =  0.9955
               Response Ratio = 0.00644 + 0.09523 *A

103)  1,2,4-Trichlorobe 0.619 0.553 0.542 0.727 0.563 0.586 0.802 0.627  15.83
             ---- Linear regression ----  Coefficient =  0.9964
               Response Ratio = 0.02420 + 0.56362 *A

104)  Hexachlorobutadie 0.365 0.293 0.264 0.327 0.244 0.267 0.518 0.325  28.98
             ---- Linear regression ----  Coefficient =  0.9950
               Response Ratio = 0.01874 + 0.24470 *A

105)  Naphthalene       0.896 0.741 0.758 1.076 0.822 0.858 1.378 0.933  24.20
             ---- Linear regression ----  Coefficient =  0.9957
               Response Ratio = 0.03437 + 0.82381 *A

106)  1,2,3-Trichlorobe 0.420 0.324 0.301 0.404 0.305 0.317 0.633 0.386  30.77
             ---- Linear regression ----  Coefficient =  0.9959
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICC3547
Lab FileID: F019686.D

```
                Response Ratio = 0.01703 + 0.30448 *A


107) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
108)H TPH-GRO (C6-C10)  0.865 1.185 2.152 2.237 4.987 4.850 0.117 2.342  81.40
              ---- Linear regression ----  Coefficient =  0.9567
                Response Ratio = -79.72504 + 5.16970 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range

          VF3547AP9G.M        Tue Sep 15 16:56:11 2009
```

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3547-ICV3547
Lab FileID: F019690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 16:21:04 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	144	0.00	10.67
2		Dichlorodifluoromethane	0.281	0.176	37.4#	73	0.00	4.67
			Amount	Calc.	%Drift			
3	P	Chloromethane	40.000	35.598	11.0	94	0.00	5.06
4	C	Vinyl Chloride	40.000	36.210	9.5	98	0.00	5.28
5		Bromomethane	40.000	38.529	3.7	118	0.01	5.88
			AvgRF	CCRF	%Dev			
6		Chloroethane	0.134	0.116	13.4	121	0.01	6.03
7		Trichlorofluoromethane	0.434	0.341	21.4#	109	0.00	6.37
8		Acrolein	0.022	0.023	-4.5	165	0.00	8.21
9		Ethyl Ether	0.180	0.152	15.6	119	0.00	6.67
10	C	1,1-Dichloroethene	0.350	0.347	0.9	141	0.00	7.12
11		Freon 113	0.225	0.225	0.0	147	0.00	7.01
			Amount	Calc.	%Drift			
12		Acetone	200.000	197.040	1.5	131	0.00	7.15
			AvgRF	CCRF	%Dev			
13		Iodomethane	0.388	0.417	-7.5	140	0.00	7.43
			Amount	Calc.	%Drift			
14		Methyl acetate	200.000	198.504	0.7	143	0.00	7.51
15		Allyl Chloride	40.000	35.771	10.6	141	0.00	7.56
			AvgRF	CCRF	%Dev			
16		Carbon Disulfide	0.690	0.757	-9.7	158	0.00	7.55
			Amount	Calc.	%Drift			
17		Acetonitrile	100.000	207.907	-107.9#	350	0.07	7.62
18		Methylene Chloride	40.000	39.626	0.9	136	0.00	7.79
			AvgRF	CCRF	%Dev			
19		Tert Butyl Alcohol	0.021	0.019	9.5	127	0.01	7.71
20		trans-1,2-Dichloroethene	0.327	0.336	-2.8	142	0.00	8.05
21		Acrylonitrile	0.058	0.063	-8.6	165	0.00	8.11
22		Methyl Tert Butyl Ether	0.740	0.704	4.9	131	0.00	7.94
23		Hexane	0.180	0.196	-8.9	172	0.01	8.22
24	P	1,1-Dichloroethane	0.413	0.398	3.6	132	0.00	8.61
25		Vinyl acetate	0.518	0.506	2.3	136	0.00	8.52
26		Di-isopropyl ether	0.807	0.806	0.1	142	0.00	8.44

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICV3547
Lab FileID: F019690.D

27		Chloroprene	0.382	0.382	0.0	140	0.01	8.68
28		Ethyl tert-butyl ether	0.793	0.756	4.7	128	0.00	8.88
29		2,2-Dichloropropane	0.341	0.292	14.4	119	0.00	9.30
30		cis-1,2-Dichloroethene	0.284	0.269	5.3	131	0.01	9.33
31		Ethyl Acetate	0.279	0.280	-0.4	136	0.00	9.21
32		2-Butanone	0.279	0.280	-0.4	136	0.00	9.21
33		Propionitrile	0.021	0.044	-109.5#	279#	0.00	9.45
34		Methacrylonitrile	0.188	1.337	-611.2#	1085#	0.00	9.60
35		Bromochloromethane	0.141	0.139	1.4	130	0.00	9.64
36	C	Chloroform	0.547	0.502	8.2	122	0.00	9.65
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	40.000	39.305	1.7	120	0.00	9.21
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.419	11.0	120	0.01	9.92
39	S	Dibromofluoromethane	0.296	0.327	-10.5	151	0.00	9.87
40		Cyclohexane	0.284	0.307	-8.1	163	0.00	9.93
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	800.000	1485.968	-85.7#	284	0.01	10.02
42		n-Butyl Alcohol	800.000	1436.926	-79.6#	283	0.00	10.81
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.335	4.6	134	0.00	10.08
44		Carbon Tetrachloride	0.411	0.363	11.7	121	0.00	10.08
45	S	1,2-Dichloroethane-d4	0.417	0.431	-3.4	141	0.00	10.34
46		Benzene	0.820	0.832	-1.5	146	0.01	10.37
47		1,2-Dichloroethane	0.476	0.424	10.9	120	0.00	10.44
48		tert-amyl methyl ether	0.747	0.699	6.4	133	0.00	10.31
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	40.000	39.230	1.9	135	0.00	11.12
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.278	-5.3	159	0.00	11.30
51		Methyl Methacrylate	0.219	0.210	4.1	133	0.01	11.37
52	C	1,2-Dichloropropane	0.202	0.208	-3.0	148	0.01	11.47
53		Dibromomethane	0.194	0.185	4.6	129	0.00	11.66
54		1,4-Dioxane	0.002	0.002	0.0	146	0.00	11.54
55		Bromodichloromethane	0.472	0.415	12.1	120	0.00	11.77
56		2-Nitropropane	0.100	0.091	9.0	127	0.00	12.09
57		2-Chloroethyl vinyl ether	0.104	0.108	-3.8	141	0.00	12.01
58		1-Bromo-2-Chloroethane	0.295	0.304	-3.1	149	0.00	12.26
59		4-Methyl-2-pentanone	0.195	0.195	0.0	146	0.00	12.39
60		cis-1,3-Dichloropropene	0.441	0.436	1.1	137	0.00	12.31
61	I	Chlorobenzene-d5	1.000	1.000	0.0	140	0.00	14.64
62	S	Toluene-d8	1.199	1.411	-17.7	173	0.00	12.62
63	C	Toluene	1.341	1.348	-0.5	144	0.01	12.72
64		Ethyl Methacrylate	0.428	0.407	4.9	130	0.01	12.90
65		trans-1,3-Dichloropropene	0.582	0.593	-1.9	138	0.00	13.02
66		1,1,2-Trichloroethane	0.251	0.246	2.0	139	0.01	13.30
67		Tetrachloroethene	0.422	0.397	5.9	138	0.00	13.44
68		2-hexanone	0.192	0.188	2.1	137	0.01	13.46
69		1,3-Dichloropropane	0.564	0.541	4.1	137	0.00	13.55
70		Dibromochloromethane	0.433	0.409	5.5	126	0.00	13.86
71		1,2-Dibromoethane	0.353	0.351	0.6	139	0.00	14.10
72		1-Chlorohexane	0.470	0.478	-1.7	143	0.00	14.43
73	P	Chlorobenzene	0.890	0.890	0.0	140	0.01	14.69

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3547-ICV3547
Lab FileID: F019690.D

74		1,1,1,2-Tetrachloroethane	0.385	0.359	6.8	126	0.00	14.76
75	C	Ethylbenzene	1.670	1.583	5.2	132	0.00	14.70
76		m,p-Xylene	1.285	1.243	3.3	133	0.01	14.85
77		o-Xylene	1.337	1.347	-0.7	137	0.00	15.43
78		Styrene	0.951	0.971	-2.1	138	0.00	15.45
79	P	Bromoform	0.308	0.297	3.6	126	0.00	15.85
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	17.83
81		Isopropylbenzene	2.264	2.384	-5.3	145	0.01	15.86
		----------	Amount	Calc.	%Drift	----------		
82		Cyclohexanone	200.000	353.971	-77.0#	243	0.01	16.19
83	S	4-Bromofluorobenzene	40.000	45.977	-14.9	154	0.01	16.20
		----------	AvgRF	CCRF	%Dev	----------		
84		Bromobenzene	0.809	0.800	1.1	134	0.01	16.47
85	P	1,1,2,2-Tetrachloroethane	0.619	0.616	0.5	136	0.00	16.33
86		Trans-1,4-Dichloro-2-Bute	0.229	0.222	3.1	121	0.00	16.40
87		1,2,3-Trichloropropane	0.236	0.206	12.7	118	0.00	16.46
88		n-Propylbenzene	3.103	3.105	-0.1	136	0.00	16.40
89		2-Chlorotoluene	2.306	2.220	3.7	132	0.01	16.66
90		4-Chlorotoluene	2.155	2.096	2.7	132	0.00	16.80
91		1,3,5-Trimethylbenzene	2.053	2.061	-0.4	135	0.00	16.60
92		Pentachloroethane	0.522	0.460	11.9	118	0.00	17.27
93		sec-Butylbenzene	2.264	2.278	-0.6	137	0.01	17.40
94		1,3-Dichlorobenzene	1.264	1.252	0.9	131	0.00	17.74
95		4-Isopropyltoluene	1.841	1.809	1.7	134	0.00	17.55
96		1,4-Dichlorobenzene	1.302	1.290	0.9	128	0.00	17.87
		----------	Amount	Calc.	%Drift	----------		
97		tert-Butylbenzene	40.000	39.698	0.8	129	0.00	17.39
		----------	AvgRF	CCRF	%Dev	----------		
98		n-Butylbenzene	1.782	1.672	6.2	121	0.00	18.15
99		1,2-Dichlorobenzene	1.186	1.152	2.9	122	0.01	18.46
100		1,2,4-Trimethylbenzene	2.195	2.135	2.7	130	0.01	17.17
101		Hexachloroethane	0.436	0.423	3.0	109	0.01	18.78
		----------	Amount	Calc.	%Drift	----------		
102		1,2-Dibromo-3-Chloropropa	40.000	37.188	7.0	98	0.01	19.61
103		1,2,4-Trichlorobenzene	40.000	39.020	2.4	105	0.00	20.82
104		Hexachlorobutadiene	40.000	41.517	-3.8	111	0.00	20.90
105		Naphthalene	40.000	40.053	-0.1	106	0.01	21.29
106		1,2,3-Trichlorobenzene	40.000	41.433	-3.6	109	0.00	21.69
		----------	AvgRF	CCRF	%Dev	----------		
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	131	0.00	17.83
		----------	Amount	Calc.	%Drift	----------		
108	H	TPH-GRO (C6-C10)	4000.000	2610.987	34.7#	139	0.00	12.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F019686.D VF3547AP9G.M Tue Sep 15 16:55:53 2009

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3548-ICV3547
Lab FileID: F019690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 16:21:04 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	144	0.00	10.67
2	Dichlorodifluoromethane	0.281	0.176	37.4#	73	0.00	4.67
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	35.598	11.0	94	0.00	5.06
4 C	Vinyl Chloride	40.000	36.210	9.5	98	0.00	5.28
5	Bromomethane	40.000	38.529	3.7	118	0.01	5.88
		AvgRF	CCRF	%Dev			
6	Chloroethane	0.134	0.116	13.4	121	0.01	6.03
7	Trichlorofluoromethane	0.434	0.341	21.4#	109	0.00	6.37
8	Acrolein	0.022	0.023	-4.5	165	0.00	8.21
9	Ethyl Ether	0.180	0.152	15.6	119	0.00	6.67
10 C	1,1-Dichloroethene	0.350	0.347	0.9	141	0.00	7.12
11	Freon 113	0.225	0.225	0.0	147	0.00	7.01
		Amount	Calc.	%Drift			
12	Acetone	200.000	197.040	1.5	131	0.00	7.15
		AvgRF	CCRF	%Dev			
13	Iodomethane	0.388	0.417	-7.5	140	0.00	7.43
		Amount	Calc.	%Drift			
14	Methyl acetate	200.000	198.504	0.7	143	0.00	7.51
15	Allyl Chloride	40.000	35.771	10.6	141	0.00	7.56
		AvgRF	CCRF	%Dev			
16	Carbon Disulfide	0.690	0.757	-9.7	158	0.00	7.55
		Amount	Calc.	%Drift			
17	Acetonitrile	100.000	207.907	-107.9#	350	0.07	7.62
18	Methylene Chloride	40.000	39.626	0.9	136	0.00	7.79
		AvgRF	CCRF	%Dev			
19	Tert Butyl Alcohol	0.021	0.019	9.5	127	0.01	7.71
20	trans-1,2-Dichloroethene	0.327	0.336	-2.8	142	0.00	8.05
21	Acrylonitrile	0.058	0.063	-8.6	165	0.00	8.11
22	Methyl Tert Butyl Ether	0.740	0.704	4.9	131	0.00	7.94
23	Hexane	0.180	0.196	-8.9	172	0.01	8.22
24 P	1,1-Dichloroethane	0.413	0.398	3.6	132	0.00	8.61
25	Vinyl acetate	0.518	0.506	2.3	136	0.00	8.52
26	Di-isopropyl ether	0.807	0.806	0.1	142	0.00	8.44

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICV3547
Lab FileID: F019690.D

27		Chloroprene	0.382	0.382	0.0	140	0.01	8.68
28		Ethyl tert-butyl ether	0.793	0.756	4.7	128	0.00	8.88
29		2,2-Dichloropropane	0.341	0.292	14.4	119	0.00	9.30
30		cis-1,2-Dichloroethene	0.284	0.269	5.3	131	0.01	9.33
31		Ethyl Acetate	0.279	0.280	-0.4	136	0.00	9.21
32		2-Butanone	0.279	0.280	-0.4	136	0.00	9.21
33		Propionitrile	0.021	0.044	-109.5#	279#	0.00	9.45
34		Methacrylonitrile	0.188	1.337	-611.2#	1085#	0.00	9.60
35		Bromochloromethane	0.141	0.139	1.4	130	0.00	9.64
36	C	Chloroform	0.547	0.502	8.2	122	0.00	9.65
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	40.000	39.305	1.7	120	0.00	9.21
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.419	11.0	120	0.01	9.92
39	S	Dibromofluoromethane	0.296	0.327	-10.5	151	0.00	9.87
40		Cyclohexane	0.284	0.307	-8.1	163	0.00	9.93
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	800.000	1485.968	-85.7#	284	0.01	10.02
42		n-Butyl Alcohol	800.000	1436.926	-79.6#	283	0.00	10.81
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.335	4.6	134	0.00	10.08
44		Carbon Tetrachloride	0.411	0.363	11.7	121	0.00	10.08
45	S	1,2-Dichloroethane-d4	0.417	0.431	-3.4	141	0.00	10.34
46		Benzene	0.820	0.832	-1.5	146	0.01	10.37
47		1,2-Dichloroethane	0.476	0.424	10.9	120	0.00	10.44
48		tert-amyl methyl ether	0.747	0.699	6.4	133	0.00	10.31
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	40.000	39.230	1.9	135	0.00	11.12
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.278	-5.3	159	0.00	11.30
51		Methyl Methacrylate	0.219	0.210	4.1	133	0.01	11.37
52	C	1,2-Dichloropropane	0.202	0.208	-3.0	148	0.01	11.47
53		Dibromomethane	0.194	0.185	4.6	129	0.00	11.66
54		1,4-Dioxane	0.002	0.002	0.0	146	0.00	11.54
55		Bromodichloromethane	0.472	0.415	12.1	120	0.00	11.77
56		2-Nitropropane	0.100	0.091	9.0	127	0.00	12.09
57		2-Chloroethyl vinyl ether	0.104	0.108	-3.8	141	0.00	12.01
58		1-Bromo-2-Chloroethane	0.295	0.304	-3.1	149	0.00	12.26
59		4-Methyl-2-pentanone	0.195	0.195	0.0	146	0.00	12.39
60		cis-1,3-Dichloropropene	0.441	0.436	1.1	137	0.00	12.31
61	I	Chlorobenzene-d5	1.000	1.000	0.0	140	0.00	14.64
62	S	Toluene-d8	1.199	1.411	-17.7	173	0.00	12.62
63	C	Toluene	1.341	1.348	-0.5	144	0.01	12.72
64		Ethyl Methacrylate	0.428	0.407	4.9	130	0.01	12.90
65		trans-1,3-Dichloropropene	0.582	0.593	-1.9	138	0.00	13.02
66		1,1,2-Trichloroethane	0.251	0.246	2.0	139	0.01	13.30
67		Tetrachloroethene	0.422	0.397	5.9	138	0.00	13.44
68		2-hexanone	0.192	0.188	2.1	137	0.01	13.46
69		1,3-Dichloropropane	0.564	0.541	4.1	137	0.00	13.55
70		Dibromochloromethane	0.433	0.409	5.5	126	0.00	13.86
71		1,2-Dibromoethane	0.353	0.351	0.6	139	0.00	14.10
72		1-Chlorohexane	0.470	0.478	-1.7	143	0.00	14.43
73	P	Chlorobenzene	0.890	0.890	0.0	140	0.01	14.69

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3548-ICV3547
Lab FileID: F019690.D

74		1,1,1,2-Tetrachloroethane	0.385	0.359	6.8	126	0.00	14.76
75	C	Ethylbenzene	1.670	1.583	5.2	132	0.00	14.70
76		m,p-Xylene	1.285	1.243	3.3	133	0.01	14.85
77		o-Xylene	1.337	1.347	-0.7	137	0.00	15.43
78		Styrene	0.951	0.971	-2.1	138	0.00	15.45
79	P	Bromoform	0.308	0.297	3.6	126	0.00	15.85
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	17.83
81		Isopropylbenzene	2.264	2.384	-5.3	145	0.01	15.86
		----------	Amount	Calc.	%Drift	----------		
82		Cyclohexanone	200.000	353.971	-77.0#	243	0.01	16.19
83	S	4-Bromofluorobenzene	40.000	45.977	-14.9	154	0.01	16.20
		----------	AvgRF	CCRF	%Dev	----------		
84		Bromobenzene	0.809	0.800	1.1	134	0.01	16.47
85	P	1,1,2,2-Tetrachloroethane	0.619	0.616	0.5	136	0.00	16.33
86		Trans-1,4-Dichloro-2-Bute	0.229	0.222	3.1	121	0.00	16.40
87		1,2,3-Trichloropropane	0.236	0.206	12.7	118	0.00	16.46
88		n-Propylbenzene	3.103	3.105	-0.1	136	0.00	16.40
89		2-Chlorotoluene	2.306	2.220	3.7	132	0.01	16.66
90		4-Chlorotoluene	2.155	2.096	2.7	132	0.00	16.80
91		1,3,5-Trimethylbenzene	2.053	2.061	-0.4	135	0.00	16.60
92		Pentachloroethane	0.522	0.460	11.9	118	0.00	17.27
93		sec-Butylbenzene	2.264	2.278	-0.6	137	0.01	17.40
94		1,3-Dichlorobenzene	1.264	1.252	0.9	131	0.00	17.74
95		4-Isopropyltoluene	1.841	1.809	1.7	134	0.00	17.55
96		1,4-Dichlorobenzene	1.302	1.290	0.9	128	0.00	17.87
		----------	Amount	Calc.	%Drift	----------		
97		tert-Butylbenzene	40.000	39.698	0.8	129	0.00	17.39
		----------	AvgRF	CCRF	%Dev	----------		
98		n-Butylbenzene	1.782	1.672	6.2	121	0.00	18.15
99		1,2-Dichlorobenzene	1.186	1.152	2.9	122	0.01	18.46
100		1,2,4-Trimethylbenzene	2.195	2.135	2.7	130	0.01	17.17
101		Hexachloroethane	0.436	0.423	3.0	109	0.01	18.78
		----------	Amount	Calc.	%Drift	----------		
102		1,2-Dibromo-3-Chloropropa	40.000	37.188	7.0	98	0.01	19.61
103		1,2,4-Trichlorobenzene	40.000	39.020	2.4	105	0.00	20.82
104		Hexachlorobutadiene	40.000	41.517	-3.8	111	0.00	20.90
105		Naphthalene	40.000	40.053	-0.1	106	0.01	21.29
106		1,2,3-Trichlorobenzene	40.000	41.433	-3.6	109	0.00	21.69
		----------	AvgRF	CCRF	%Dev	----------		
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	131	0.00	17.83
		----------	Amount	Calc.	%Drift	----------		
108	H	TPH-GRO (C6-C10)	4000.000	2610.987	34.7#	139	0.00	12.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F019686.D VF3547AP9G.M Tue Sep 15 16:55:53 2009

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: VF3595-CC3547
Lab FileID: F020626.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\VF3593\F020626.D Vial: 24
Acq On : 8 Oct 2009 8:42 pm Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.02	10.64
2		Dichlorodifluoromethane	0.281	0.254	9.6	75	0.01	4.63
			Amount	Calc.	%Drift			
3	P	Chloromethane	40.000	29.592	26.0#	56	0.00	5.00
4	C	Vinyl Chloride	40.000	36.374	9.1	71	-0.03	5.21
5		Bromomethane	40.000	52.134	-30.3#	113	0.00	5.82
			AvgRF	CCRF	%Dev			
6		Chloroethane	0.134	0.140	-4.5	105	0.00	5.97
7		Trichlorofluoromethane	0.434	0.419	3.5	96	0.01	6.33
8		Acrolein	0.022	0.020	9.1	101	0.02	8.18
9		Ethyl Ether	0.180	0.171	5.0	96	0.01	6.63
10	C	1,1-Dichloroethene	0.350	0.396	-13.1	115	0.00	7.06
11		Freon 113	0.225	0.249	-10.7	116	0.00	6.96
			Amount	Calc.	%Drift			
12		Acetone	200.000	201.828	-0.9	96	0.01	7.11
			AvgRF	CCRF	%Dev			
13		Iodomethane	0.388	0.465	-19.8	112	0.00	7.38
			Amount	Calc.	%Drift			
14		Methyl acetate	200.000	203.261	-1.6	105	0.01	7.47
15		Allyl Chloride	40.000	44.037	-10.1	122	0.01	7.52
			AvgRF	CCRF	%Dev			
16		Carbon Disulfide	0.690	0.711	-3.0	106	0.01	7.51
			Amount	Calc.	%Drift			
17		Acetonitrile	100.000	118.810	-18.8	137	0.01	7.52
18		Methylene Chloride	40.000	43.215	-8.0	106	0.00	7.74
			AvgRF	CCRF	%Dev			
19		Tert Butyl Alcohol	0.021	0.021	0.0	100	0.02	7.67
20		trans-1,2-Dichloroethene	0.327	0.356	-8.9	108	0.01	8.01
21		Acrylonitrile	0.058	0.054	6.9	102	0.01	8.07
22		Methyl Tert Butyl Ether	0.740	0.779	-5.3	104	0.01	7.90
23		Hexane	0.180	0.165	8.3	103	0.02	8.18
24	P	1,1-Dichloroethane	0.413	0.415	-0.5	99	0.02	8.58
25		Vinyl acetate	0.518	0.523	-1.0	101	0.02	8.49
26		Di-isopropyl ether	0.807	0.772	4.3	97	0.02	8.41

Continuing Calibration Summary

Job Number: T39187 **Sample:** VF3595-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020626.D
Project: Vertellus-Provo

27		Chloroprene	0.382	0.375	1.8	98	0.02	8.64
28		Ethyl tert-butyl ether	0.793	0.832	-4.9	101	0.01	8.84
29		2,2-Dichloropropane	0.341	0.295	13.5	86	0.02	9.27
30		cis-1,2-Dichloroethene	0.284	0.274	3.5	96	0.02	9.29
31		Ethyl Acetate	0.279	0.291	-4.3	102	0.01	9.17
32		2-Butanone	0.279	0.291	-4.3	102	0.01	9.17
33		Propionitrile	0.021	0.023	-9.5	105	0.01	9.41
34		Methacrylonitrile	0.188	0.176	6.4	102	0.01	9.56
35		Bromochloromethane	0.141	0.153	-8.5	102	0.02	9.61
36	C	Chloroform	0.547	0.560	-2.4	98	0.02	9.62
		----------	Amount	Calc.	%Drift	----------		
37		Tetrahydrofuran	40.000	43.293	-8.2	95	0.01	9.17
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.471	0.463	1.7	95	0.02	9.88
39	S	Dibromofluoromethane	0.296	0.291	1.7	96	0.01	9.83
40		Cyclohexane	0.284	0.269	5.3	102	0.02	9.90
		----------	Amount	Calc.	%Drift	----------		
41		Isobutyl Alcohol	800.000	697.231	12.8	94	0.02	9.98
42		n-Butyl Alcohol	800.000	727.193	9.1	100	0.02	10.78
		----------	AvgRF	CCRF	%Dev	----------		
43		1,1-Dichloropropene	0.351	0.364	-3.7	104	0.02	10.05
44		Carbon Tetrachloride	0.411	0.422	-2.7	101	0.02	10.05
		----------	Amount	Calc.	%Drift	----------		
45	S	1,2-Dichloroethane-d4	40.000	42.205	-5.5	94	0.02	10.31
		----------	AvgRF	CCRF	%Dev	----------		
46		Benzene	0.820	0.856	-4.4	107	0.02	10.33
47		1,2-Dichloroethane	0.476	0.478	-0.4	97	0.02	10.41
48		tert-amyl methyl ether	0.747	0.787	-5.4	107	0.02	10.28
		----------	Amount	Calc.	%Drift	----------		
49		Trichloroethene	40.000	41.461	-3.7	102	0.02	11.09
		----------	AvgRF	CCRF	%Dev	----------		
50		Methylcyclohexane	0.264	0.250	5.3	102	0.02	11.27
51		Methyl Methacrylate	0.219	0.216	1.4	98	0.02	11.33
52	C	1,2-Dichloropropane	0.202	0.205	-1.5	105	0.02	11.43
53		Dibromomethane	0.194	0.206	-6.2	103	0.02	11.63
54		1,4-Dioxane	0.002	0.002	0.0	104	0.02	11.51
55		Bromodichloromethane	0.472	0.457	3.2	95	0.02	11.74
56		2-Nitropropane	0.100	0.100	0.0	100	0.02	12.06
57		2-Chloroethyl vinyl ether	0.104	0.131	-26.0#	123	0.02	11.98
58		1-Bromo-2-Chloroethane	0.295	0.206	30.2#	72	0.02	12.23
59		4-Methyl-2-pentanone	0.195	0.188	3.6	101	0.02	12.36
60		cis-1,3-Dichloropropene	0.441	0.438	0.7	98	0.02	12.28
61	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.02	14.61
		----------	Amount	Calc.	%Drift	----------		
62	S	Toluene-d8	40.000	37.744	5.6	100	0.02	12.59
		----------	AvgRF	CCRF	%Dev	----------		
63	C	Toluene	1.341	1.332	0.7	105	0.03	12.69
64		Ethyl Methacrylate	0.428	0.449	-4.9	106	0.03	12.87
65		trans-1,3-Dichloropropene	0.582	0.571	1.9	98	0.02	12.99

Continuing Calibration Summary

Job Number: T39187 **Sample:** VF3595-CC3547
Account: ERMUTSLC ERM Salt Lake City **Lab FileID:** F020626.D
Project: Vertellus-Provo

66		1,1,2-Trichloroethane	0.251	0.252	-0.4	105	0.03	13.27
67		Tetrachloroethene	0.422	0.412	2.4	105	0.03	13.42
68		2-hexanone	0.192	0.187	2.6	100	0.03	13.43
69		1,3-Dichloropropane	0.564	0.554	1.8	103	0.02	13.52
70		Dibromochloromethane	0.433	0.429	0.9	97	0.02	13.83
71		1,2-Dibromoethane	0.353	0.358	-1.4	104	0.02	14.07
72		1-Chlorohexane	0.470	0.424	9.8	94	0.02	14.40
73	P	Chlorobenzene	0.890	0.870	2.2	101	0.03	14.66
74		1,1,1,2-Tetrachloroethane	0.385	0.381	1.0	98	0.02	14.73
75	C	Ethylbenzene	1.670	1.576	5.6	97	0.02	14.67
76		m,p-Xylene	1.285	1.228	4.4	97	0.03	14.82
77		o-Xylene	1.337	1.292	3.4	97	0.02	15.40
78		Styrene	0.951	0.972	-2.2	102	0.03	15.43
79	P	Bromoform	0.308	0.298	3.2	93	0.03	15.83
80	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.02	17.80
81		Isopropylbenzene	2.264	2.054	9.3	90	0.03	15.83
		----------	Amount	Calc.	%Drift		----------	
82		Cyclohexanone	200.000	236.784	-18.4	118	0.03	16.16
83	S	4-Bromofluorobenzene	40.000	37.192	7.0	90	0.03	16.17
		----------	AvgRF	CCRF	%Dev		----------	
84		Bromobenzene	0.809	0.804	0.6	98	0.03	16.44
85	P	1,1,2,2-Tetrachloroethane	0.619	0.562	9.2	90	0.03	16.31
86		Trans-1,4-Dichloro-2-Bute	0.229	0.201	12.2	79	0.03	16.38
87		1,2,3-Trichloropropane	0.236	0.227	3.8	94	0.02	16.43
88		n-Propylbenzene	3.103	2.782	10.3	88	0.02	16.37
89		2-Chlorotoluene	2.306	2.105	8.7	91	0.03	16.63
90		4-Chlorotoluene	2.155	1.983	8.0	91	0.02	16.77
91		1,3,5-Trimethylbenzene	2.053	1.857	9.5	88	0.03	16.58
92		Pentachloroethane	0.522	0.516	1.1	96	0.02	17.24
93		sec-Butylbenzene	2.264	1.942	14.2	85	0.03	17.37
94		1,3-Dichlorobenzene	1.264	1.209	4.4	92	0.02	17.71
95		4-Isopropyltoluene	1.841	1.591	13.6	85	0.02	17.52
96		1,4-Dichlorobenzene	1.302	1.223	6.1	88	0.02	17.84
		----------	Amount	Calc.	%Drift		----------	
97		tert-Butylbenzene	40.000	35.319	11.7	83	0.02	17.36
		----------	AvgRF	CCRF	%Dev		----------	
98		n-Butylbenzene	1.782	1.453	18.5	77	0.02	18.12
99		1,2-Dichlorobenzene	1.186	1.079	9.0	83	0.03	18.43
100		1,2,4-Trimethylbenzene	2.195	1.945	11.4	86	0.03	17.14
101		Hexachloroethane	0.436	0.359	17.7	67	0.03	18.75
		----------	Amount	Calc.	%Drift		----------	
102		1,2-Dibromo-3-Chloropropa	40.000	22.750	43.1#	46	0.02	19.57
103		1,2,4-Trichlorobenzene	40.000	15.216	62.0#	32	0.02	20.79
104		Hexachlorobutadiene	40.000	26.980	32.6#	55	0.01	20.86
105		Naphthalene	40.000	7.817	80.5#	18	0.02	21.25
106		1,2,3-Trichlorobenzene	40.000	6.123	84.7#	16	0.02	21.66
		----------	AvgRF	CCRF	%Dev		----------	
107	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	95	0.02	17.80
		----------	Amount	Calc.	%Drift		----------	
108	H	TPH-GRO (C6-C10)	4000.000	2569.291	35.8#	99	0.00	12.34

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: VF3595-CC3547
Lab FileID: F020626.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 F019686.D  VF3547AP9G.M       Fri Oct 09 11:54:35 2009
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020641.D Vial: 39
Acq On : 9 Oct 2009 4:13 am Operator: AnjanaP
Sample : t39187-1 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:26 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	985328	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	757277	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.82	152	424258	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.82	152	424258	50.00	ug/kg	0.04

System Monitoring Compounds

39) Dibromofluoromethane	9.86	113	292075	49.99	ug/L	0.04
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.98%			
45) 1,2-Dichloroethane-d4	10.33	65	376786	50.81	ug/L	0.04
Spiked Amount 50.000	Range 75 - 121		Recovery = 101.62%			
62) Toluene-d8	12.61	98	800647	44.93	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 89.86%			
83) 4-Bromofluorobenzene	16.18	95	355095	44.32	ug/L	0.04
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.64%			

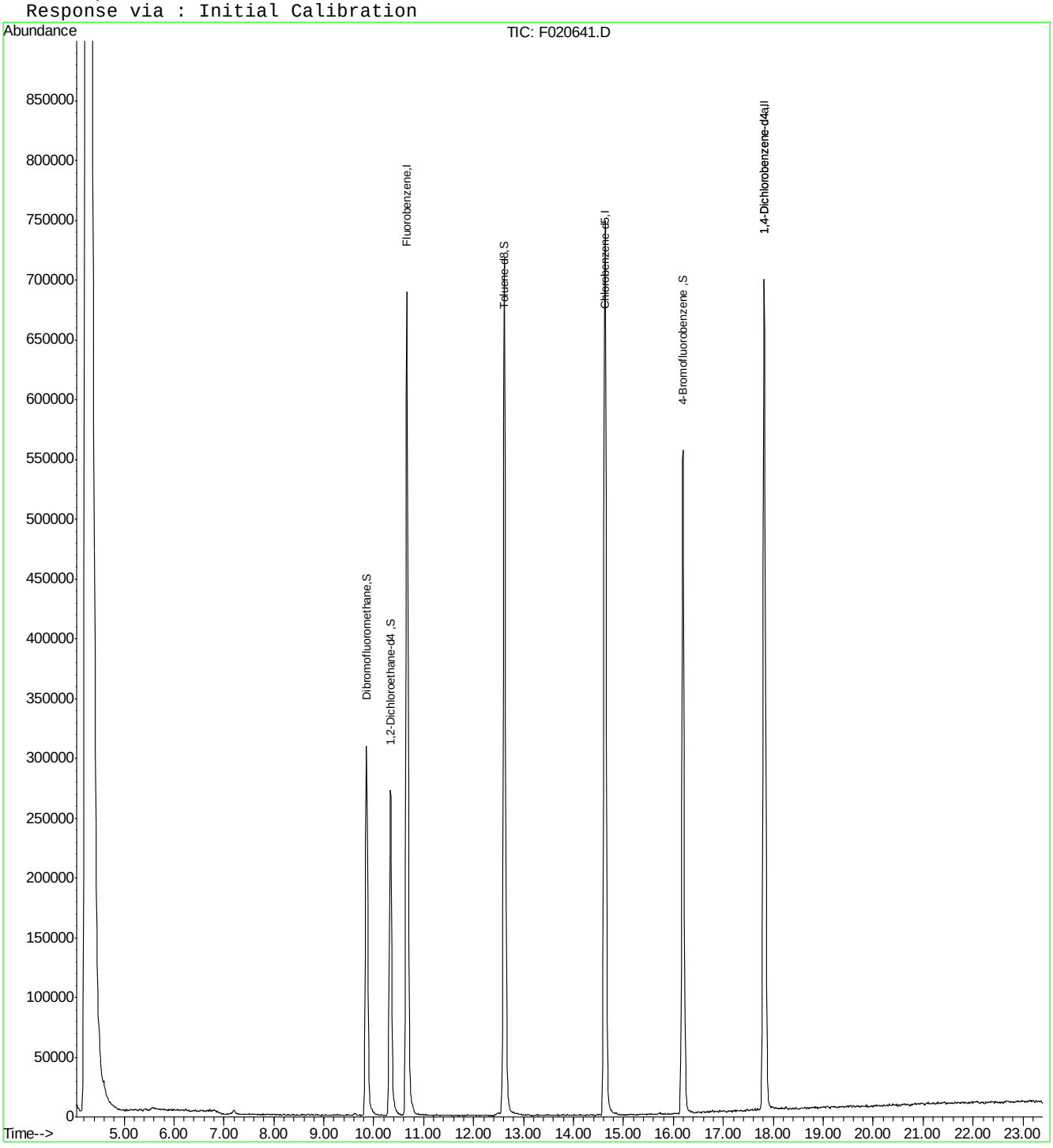
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020641.D Vial: 39
Acq On : 9 Oct 2009 4:13 am Operator: AnjanaP
Sample : t39187-1 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:48 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



F020641.D VF3547AP9G.M Fri Oct 09 11:53:15 2009 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020642.D Vial: 40
Acq On : 9 Oct 2009 4:43 am Operator: AnjanaP
Sample : t39187-2 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:27 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	993465	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	752584	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.82	152	420847	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.82	152	420847	50.00	ug/kg	0.04

System Monitoring Compounds

39) Dibromofluoromethane	9.86	113	289862	49.21	ug/L	0.04
Spiked Amount 50.000	Range 79 - 122		Recovery = 98.42%			
45) 1,2-Dichloroethane-d4	10.34	65	379051	50.70	ug/L	0.05
Spiked Amount 50.000	Range 75 - 121		Recovery = 101.40%			
62) Toluene-d8	12.61	98	798286	45.08	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.16%			
83) 4-Bromofluorobenzene	16.19	95	358382	45.08	ug/L	0.05
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.16%			

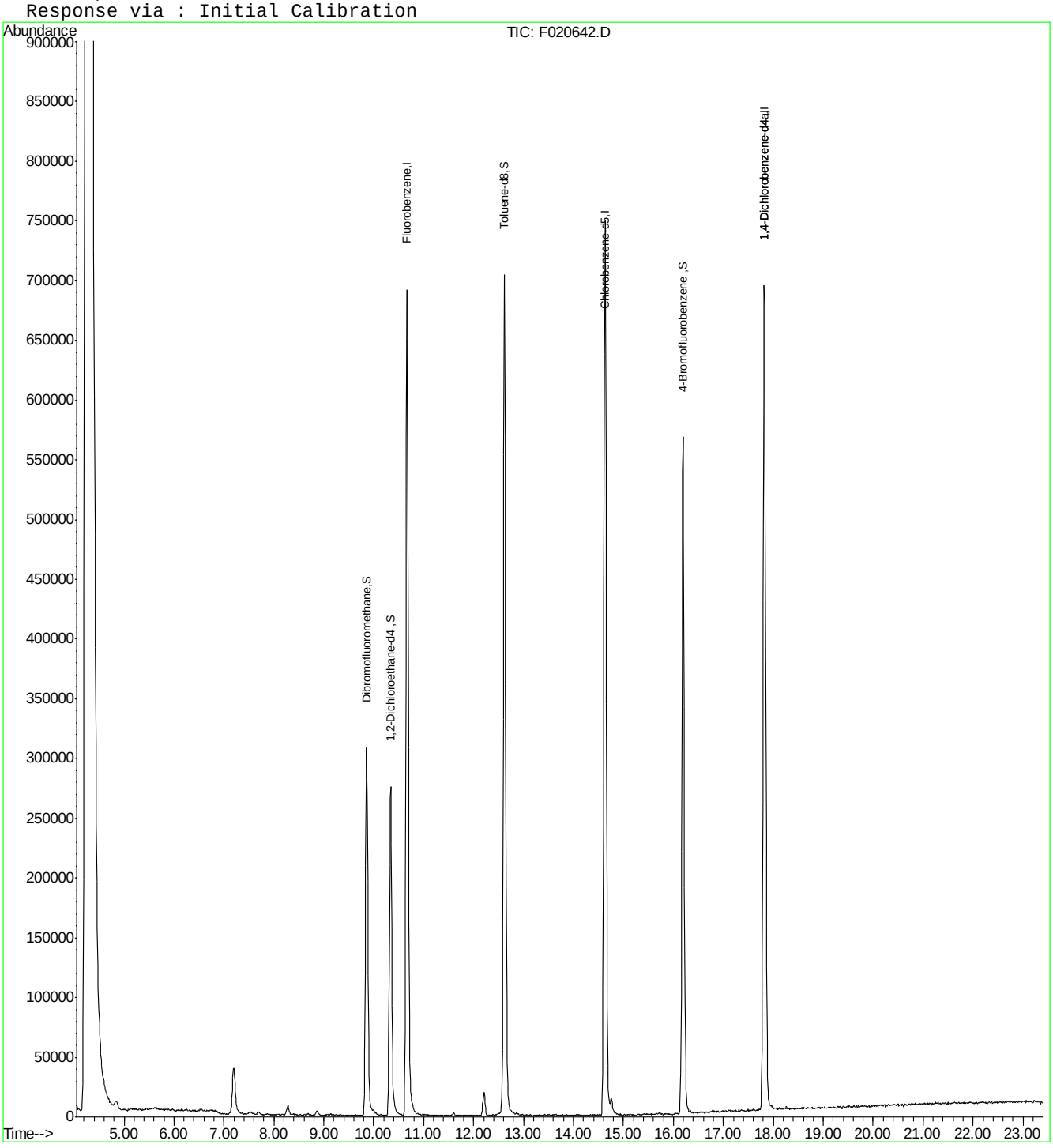
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020642.D Vial: 40
Acq On : 9 Oct 2009 4:43 am Operator: AnjanaP
Sample : t39187-2 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:48 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



F020642.D VF3547AP9G.M Fri Oct 09 11:53:17 2009 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020643.D Vial: 41
Acq On : 9 Oct 2009 5:14 am Operator: AnjanaP
Sample : t39187-3 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:28 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	1000871	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	768168	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.82	152	429122	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.82	152	429122	50.00	ug/kg	0.04

System Monitoring Compounds

39) Dibromofluoromethane	9.86	113	296065	49.89	ug/L	0.04
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.78%			
45) 1,2-Dichloroethane-d4	10.33	65	383034	50.86	ug/L	0.04
Spiked Amount 50.000	Range 75 - 121		Recovery = 101.72%			
62) Toluene-d8	12.61	98	813797	45.02	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.04%			
83) 4-Bromofluorobenzene	16.19	95	360507	44.48	ug/L	0.05
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.96%			

Target Compounds

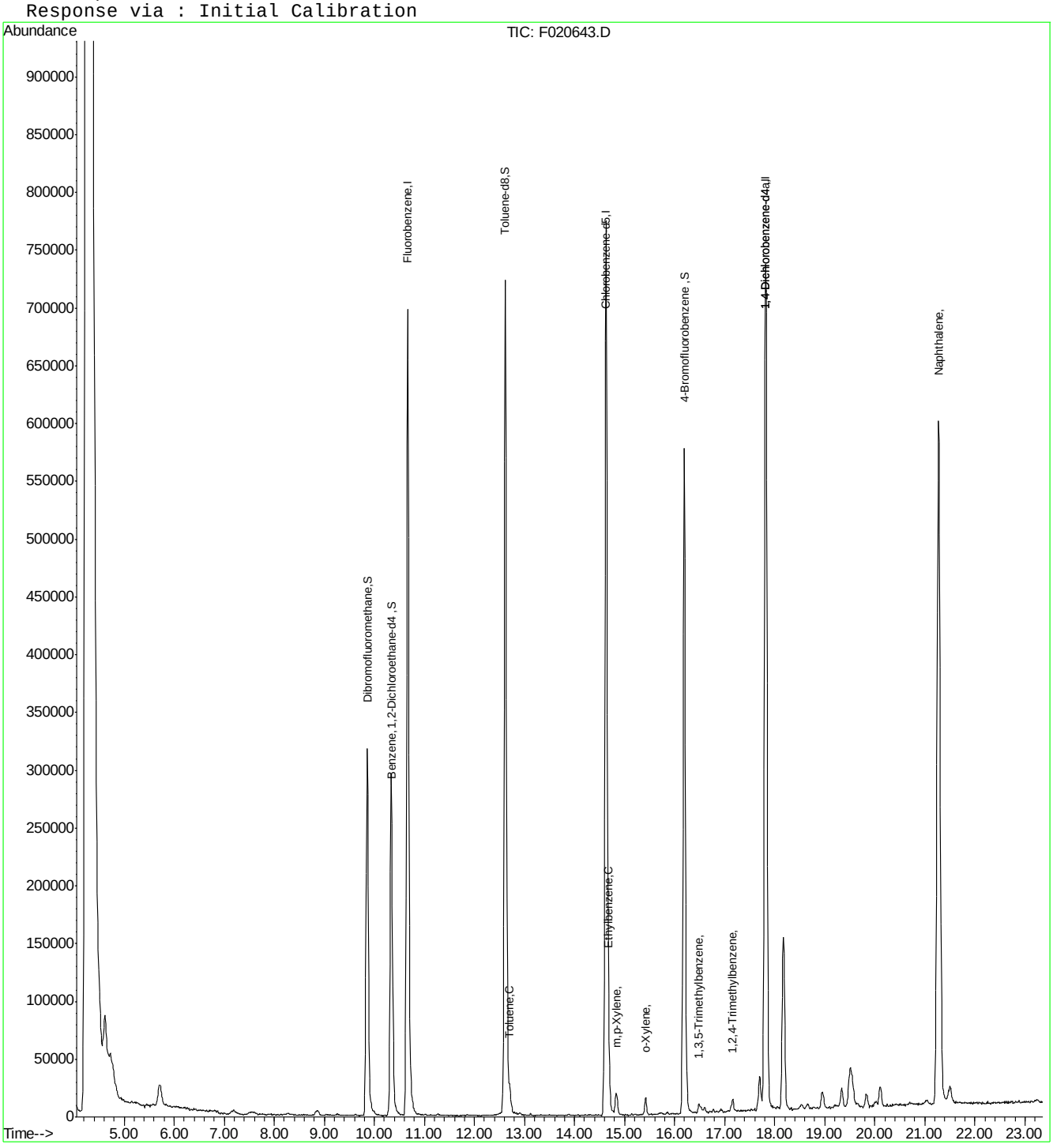
						Qvalue
46) Benzene	10.36	78	32436	1.98	ug/L #	1
63) Toluene	12.71	91	20248	0.98	ug/L	100
75) Ethylbenzene	14.69	91	33324	1.30	ug/L	96
76) m,p-Xylene	14.84	91	22872	1.16	ug/L	93
77) o-Xylene	15.43	91	18782	0.91	ug/L	94
91) 1,3,5-Trimethylbenzene	16.49	105	14762	0.84	ug/L	69
100) 1,2,4-Trimethylbenzene	17.16	105	13403	0.71	ug/L	97
105) Naphthalene	21.27	128	1179271	164.71	ug/L	100

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

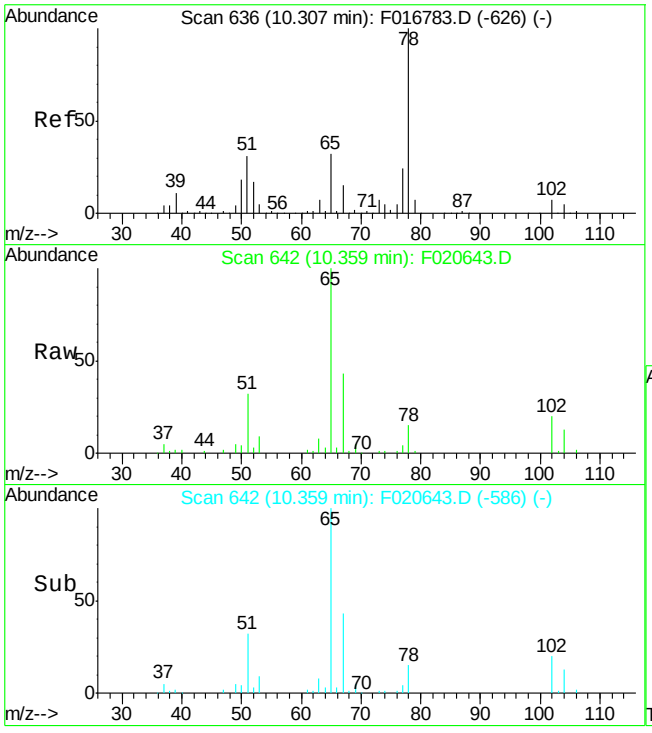
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020643.D Vial: 41
Acq On : 9 Oct 2009 5:14 am Operator: AnjanaP
Sample : t39187-3 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:50 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



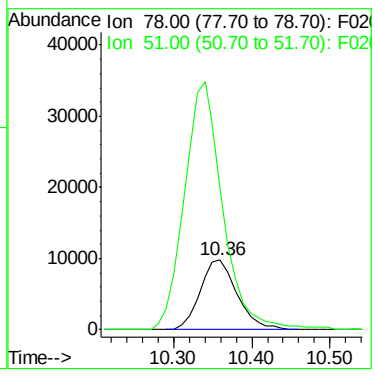
F020643.D VF3547AP9G.M Fri Oct 09 11:53:19 2009 Page 2

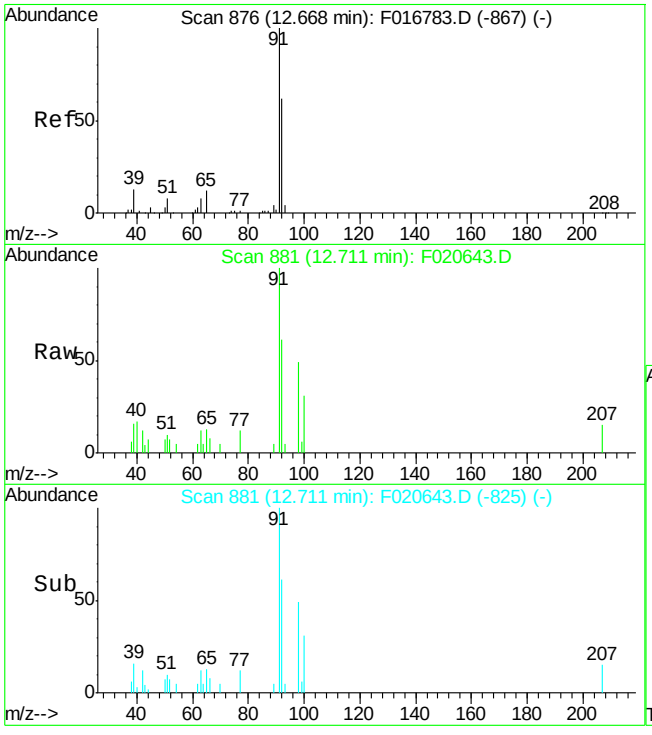


#46
Benzene
Concen: 1.98 ug/L
RT: 10.36 min Scan# 642
Delta R.T. 0.05 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion: 78 Resp: 32436

Ion	Ratio	Lower	Upper
78	100		
51	199.2	4.0	64.0#

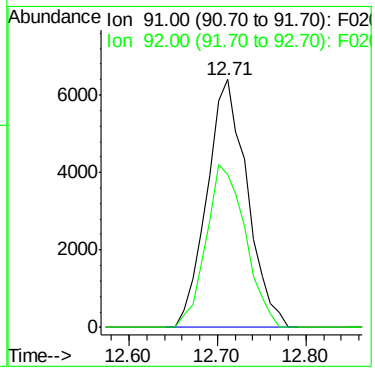


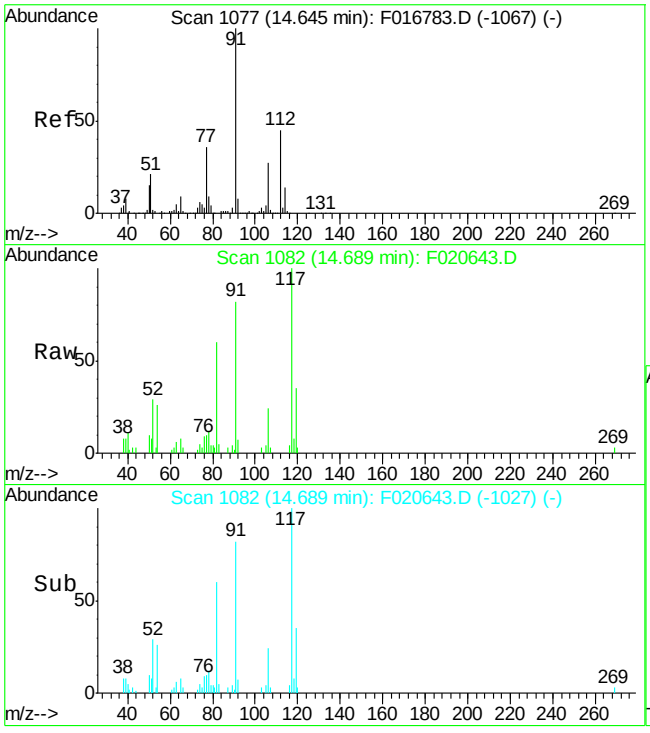


#63
Toluene
Concen: 0.98 ug/L
RT: 12.71 min Scan# 881
Delta R.T. 0.05 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion: 91 Resp: 20248

Ion	Ratio	Lower	Upper
91	100		
92	61.5	31.7	91.7

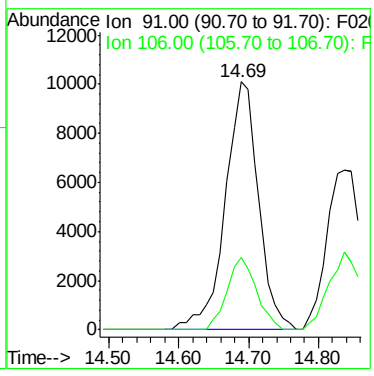


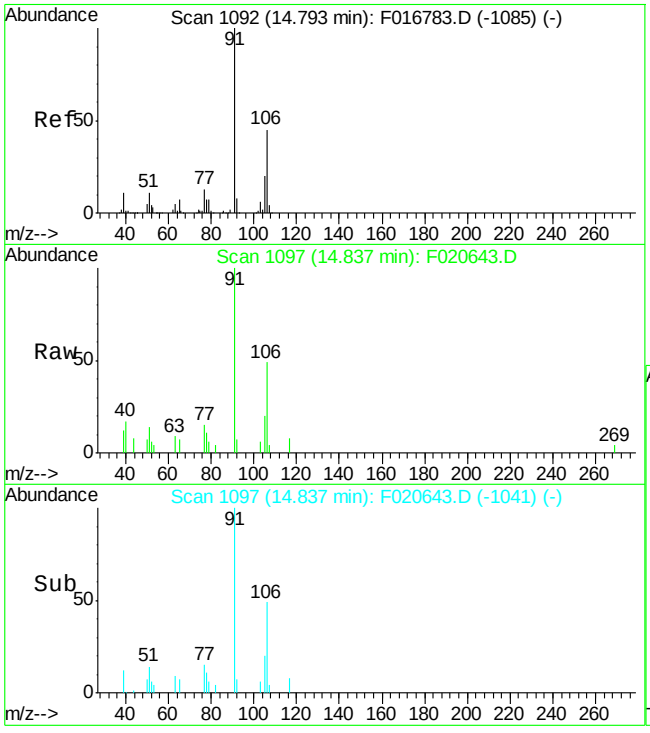


#75
Ethylbenzene
Concen: 1.30 ug/L
RT: 14.69 min Scan# 1082
Delta R.T. 0.04 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion: 91 Resp: 33324

Ion	Ratio	Lower	Upper
91	100		
106	29.3	0.0	57.1

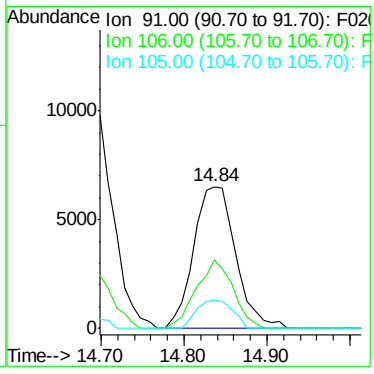


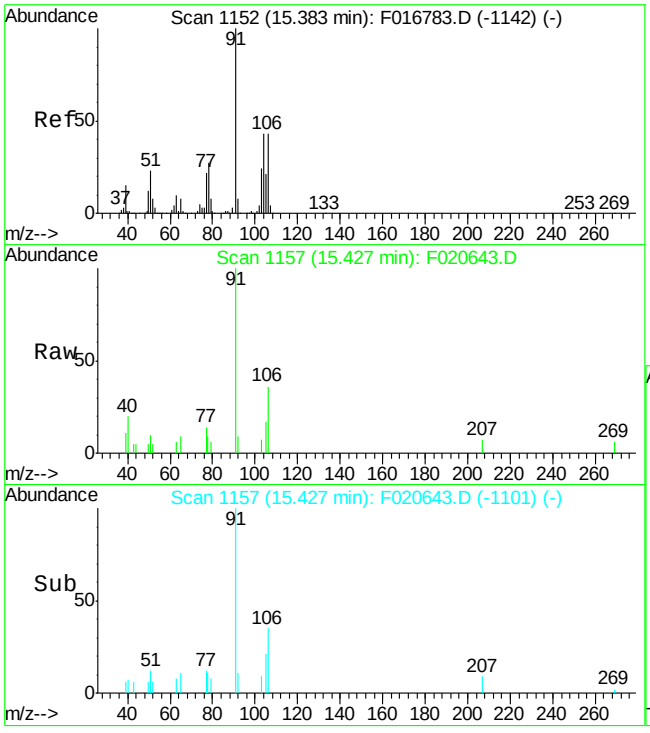


#76
m,p-Xylene
Concen: 1.16 ug/L
RT: 14.84 min Scan# 1097
Delta R.T. 0.05 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion: 91 Resp: 22872

Ion	Ratio	Lower	Upper
91	100		
106	48.6	12.4	72.4
105	19.7	0.0	49.8

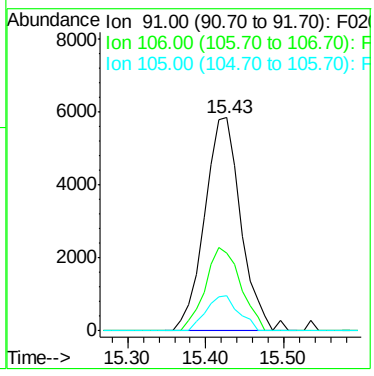


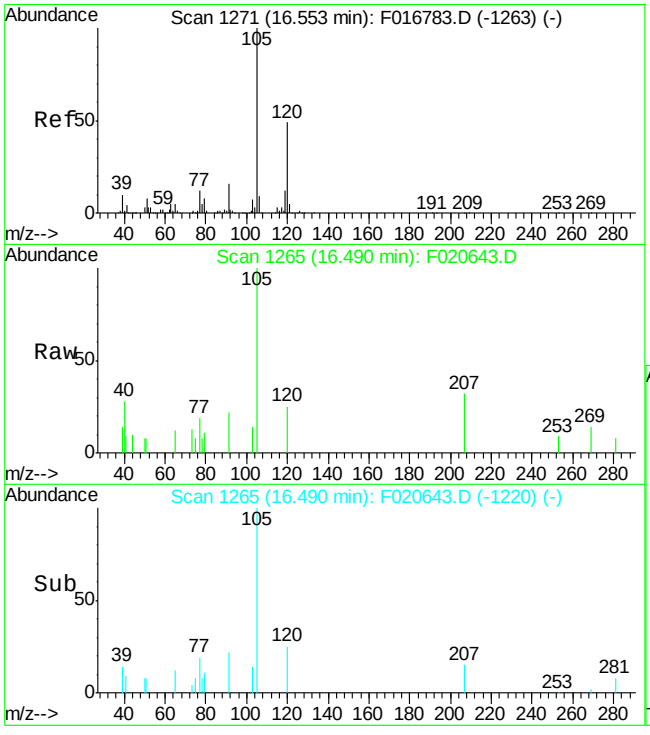


#77
o-Xylene
Concen: 0.91 ug/L
RT: 15.43 min Scan# 1157
Delta R.T. 0.05 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion: 91 Resp: 18782

Ion	Ratio	Lower	Upper
91	100		
106	36.2	9.6	69.6
105	16.6	0.0	49.9

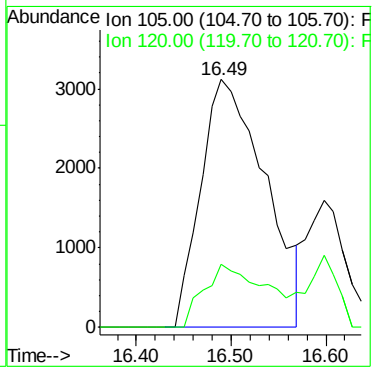


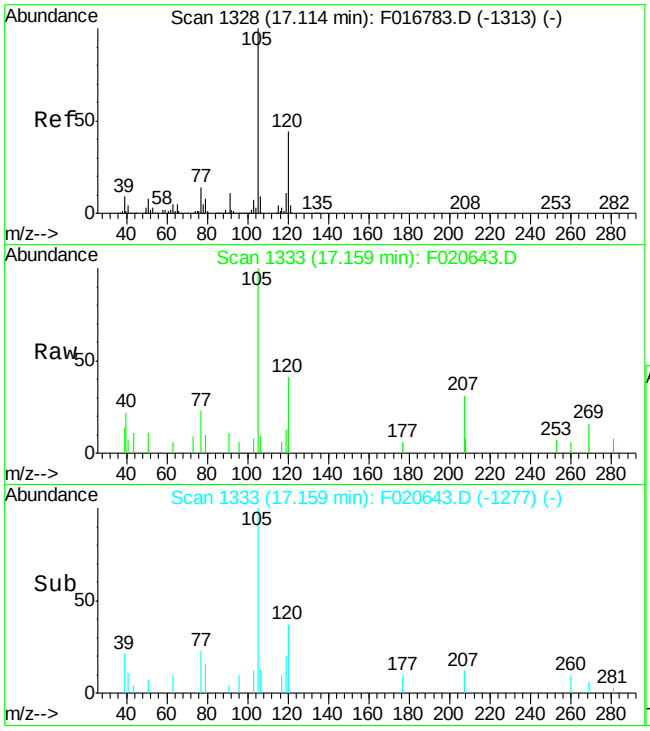


#91
1,3,5-Trimethylbenzene
Concen: 0.84 ug/L
RT: 16.49 min Scan# 1265
Delta R.T. -0.06 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion:105 Resp: 14762

Ion	Ratio	Lower	Upper
105	100		
120	25.3	15.7	75.7

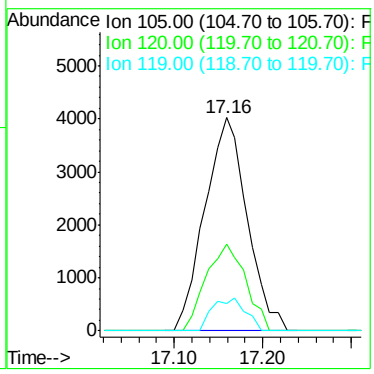


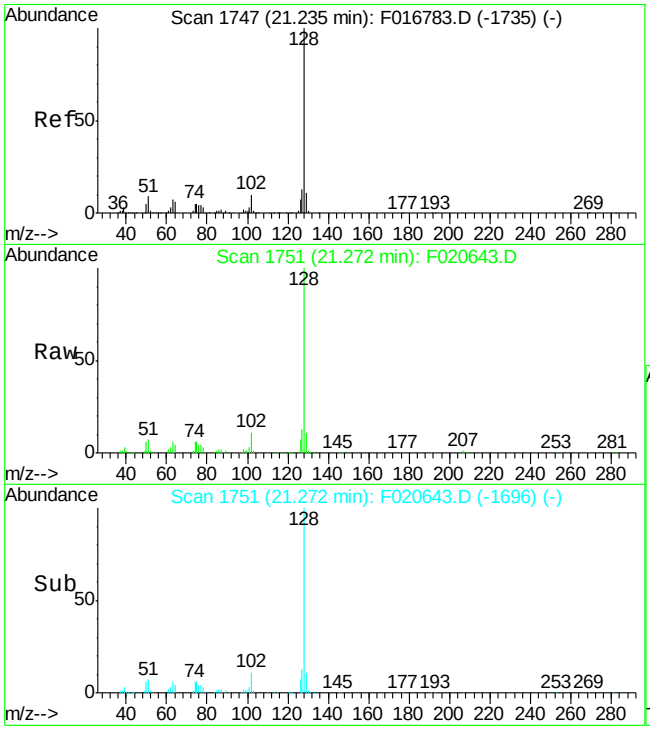


#100
1,2,4-Trimethylbenzene
Concen: 0.71 ug/L
RT: 17.16 min Scan# 1333
Delta R.T. 0.05 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion:105 Resp: 13403

Ion	Ratio	Lower	Upper
105	100		
120	40.5	12.2	72.2
119	13.0	0.0	40.6

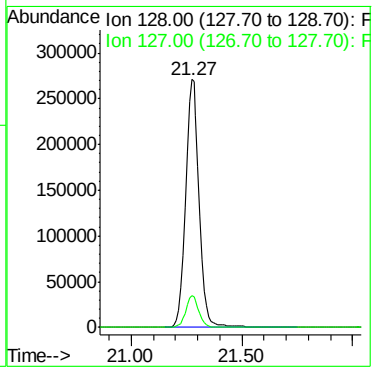




#105
Naphthalene
Concen: 164.71 ug/L
RT: 21.27 min Scan# 1751
Delta R.T. 0.04 min
Lab File: F020643.D
Acq: 9 Oct 2009 5:14 am

Tgt Ion:128 Resp: 1179271

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020644.D Vial: 42
Acq On : 9 Oct 2009 5:44 am Operator: AnjanaP
Sample : t39187-4 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:29 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	1006810	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	780036	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.82	152	447872	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.82	152	447872	50.00	ug/kg	0.04

System Monitoring Compounds

39) Dibromofluoromethane	9.86	113	296259	49.63	ug/L	0.04
Spiked Amount 50.000	Range 79 - 122		Recovery = 99.26%			
45) 1,2-Dichloroethane-d4	10.34	65	390676	51.59	ug/L	0.05
Spiked Amount 50.000	Range 75 - 121		Recovery = 103.18%			
62) Toluene-d8	12.62	98	808166	44.06	ug/L	0.05
Spiked Amount 50.000	Range 87 - 119		Recovery = 88.12%			
83) 4-Bromofluorobenzene	16.19	95	363607	43.01	ug/L	0.05
Spiked Amount 50.000	Range 80 - 133		Recovery = 86.02%			

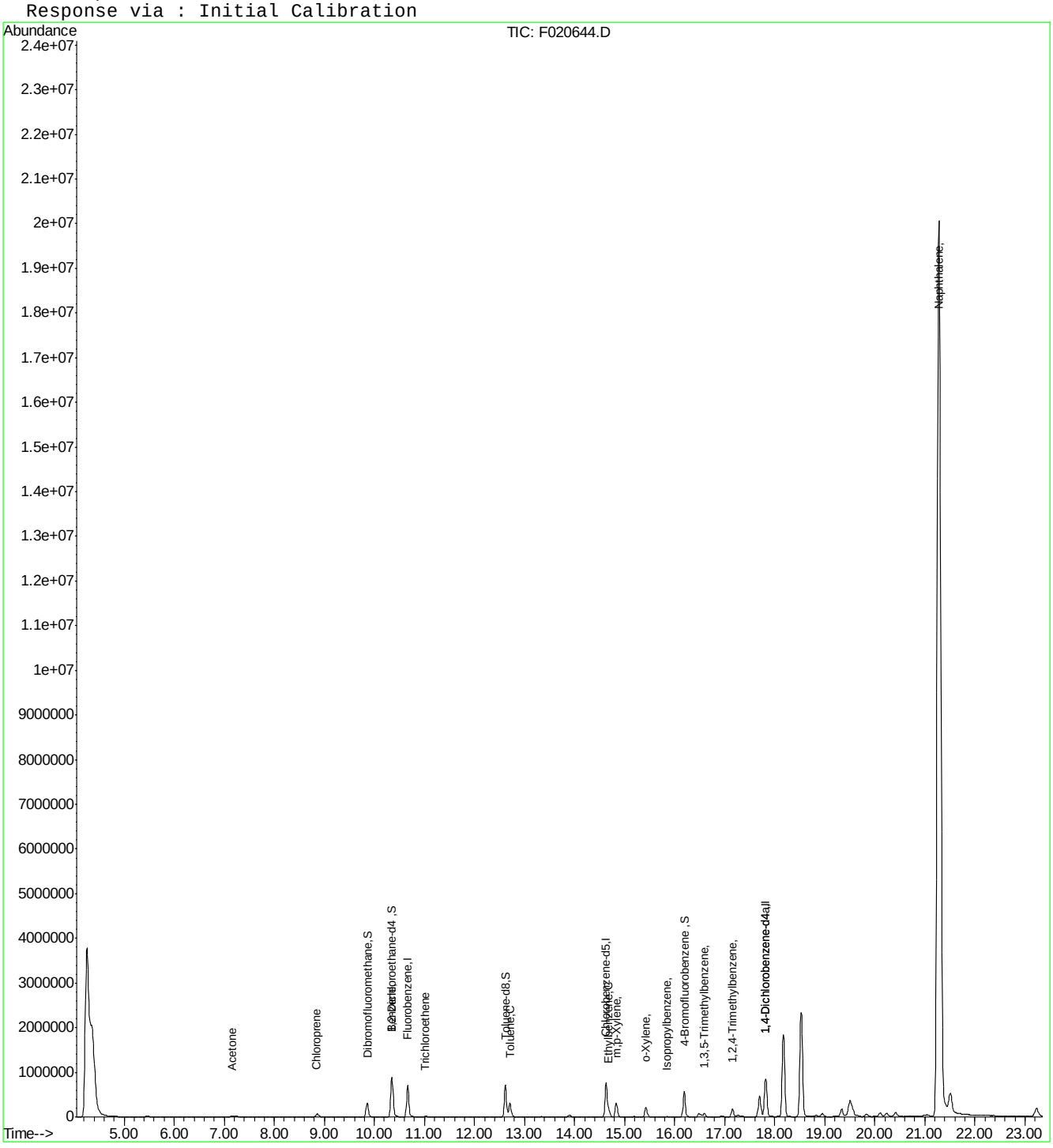
Target Compounds						Qvalue
12) Acetone	7.15	43	71763	46.63	ug/L	94
27) Chloroprene	8.82	53	10883	1.41	uL/L #	37
46) Benzene	10.36	78	941658	57.00	ug/L	88
49) Trichloroethene	11.03	95	13526	1.35	ug/L #	9
63) Toluene	12.71	91	380078	18.17	ug/L	99
75) Ethylbenzene	14.69	91	131016	5.03	ug/L	100
76) m,p-Xylene	14.84	91	352188	17.57	ug/L	97
77) o-Xylene	15.43	91	199100	9.55	ug/L	98
81) Isopropylbenzene	15.85	105	8982	0.44	ug/L	97
91) 1,3,5-Trimethylbenzene	16.60	105	72889	3.96	ug/L	99
100) 1,2,4-Trimethylbenzene	17.16	105	196654	10.00	ug/L	96
105) Naphthalene	21.28	128	39437141	5342.26	ug/L	70

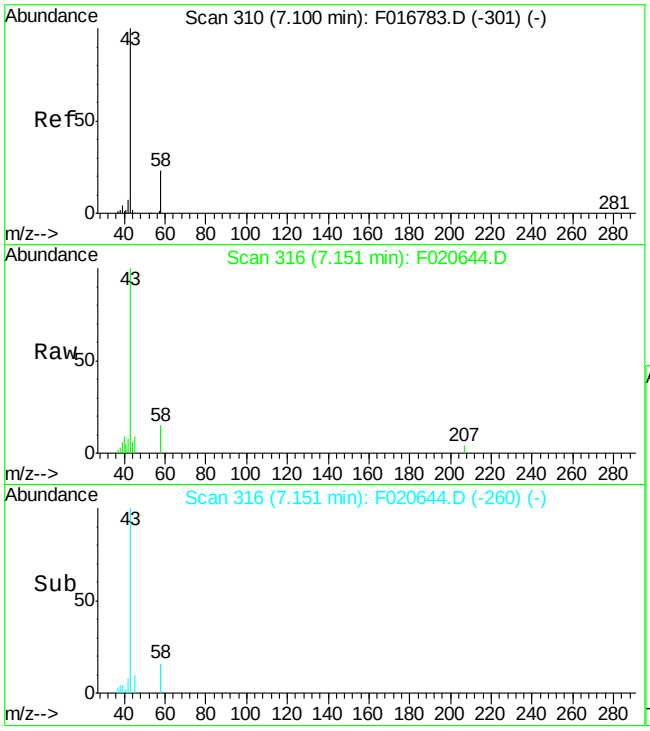
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020644.D Vial: 42
Acq On : 9 Oct 2009 5:44 am Operator: AnjanaP
Sample : t39187-4 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:51 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

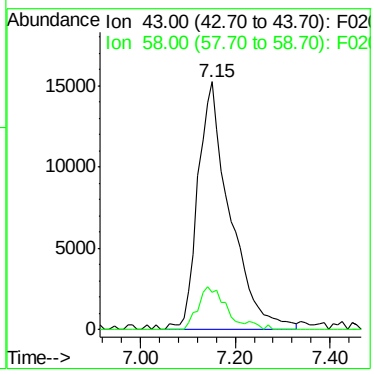


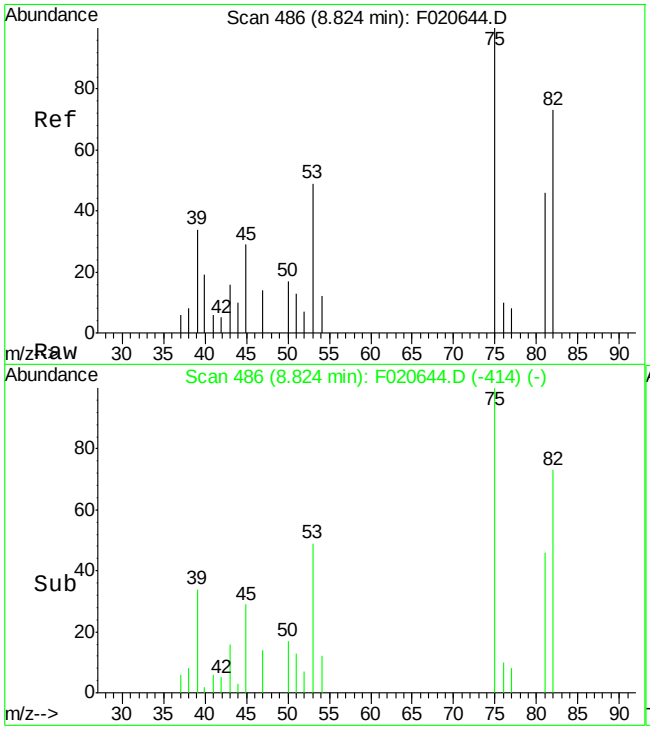


#12
Acetone
Concen: 46.63 ug/L
RT: 7.15 min Scan# 316
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 43 Resp: 71763

Ion	Ratio	Lower	Upper
43	100		
58	15.0	0.0	47.7

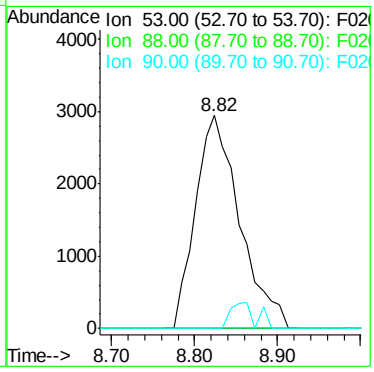


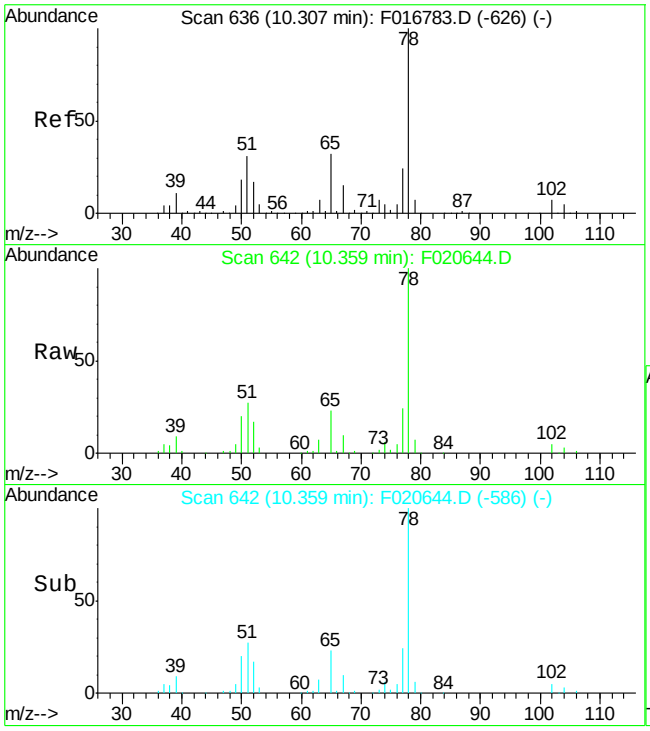


#27
Chloroprene
Concen: 1.41 uL/L
RT: 8.82 min Scan# 486
Delta R.T. 0.21 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 53 Resp: 10883

Ion	Ratio	Lower	Upper
53	100		
88	0.0	18.6	78.6#
90	0.0	0.0	45.0

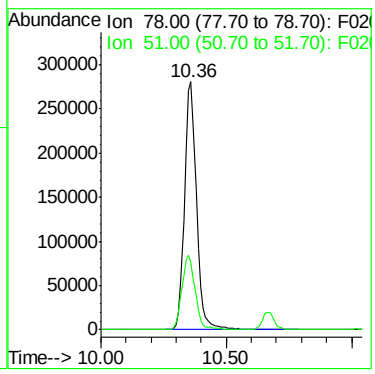


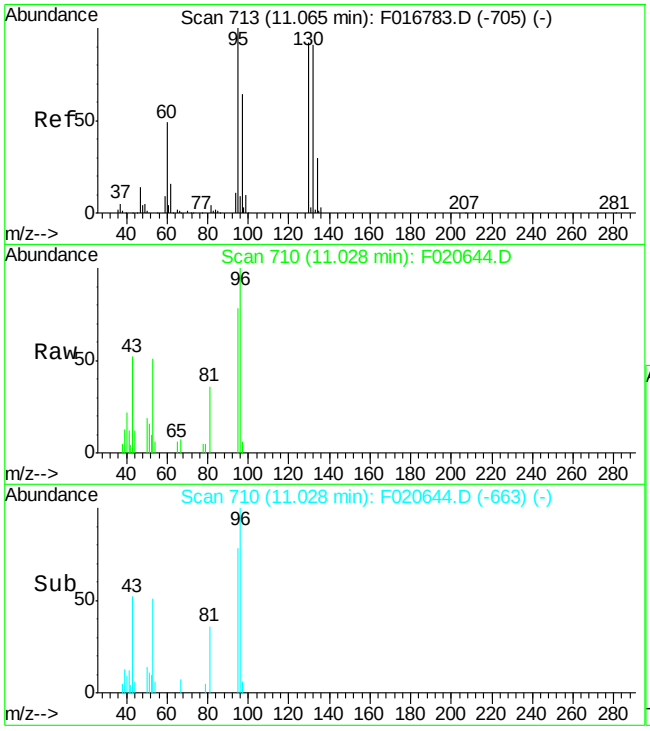


#46
Benzene
Concen: 57.00 ug/L
RT: 10.36 min Scan# 642
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 78 Resp: 941658

Ion	Ratio	Lower	Upper
78	100		
51	27.3	4.0	64.0

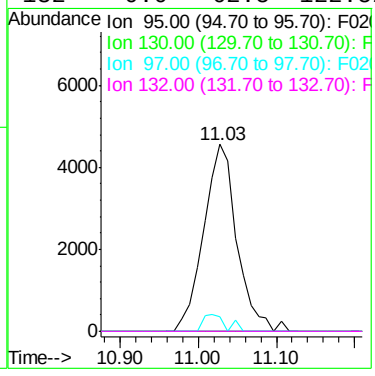


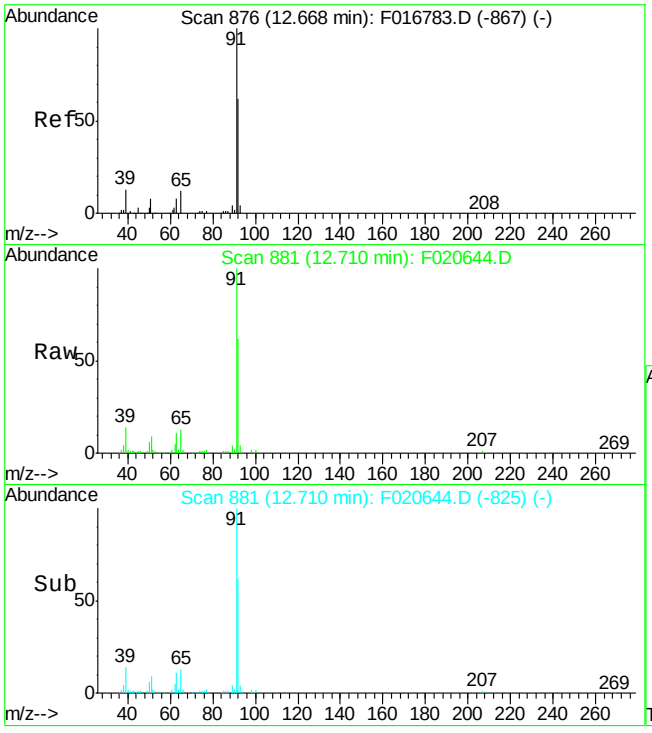


#49
Trichloroethene
Concen: 1.35 ug/L
RT: 11.03 min Scan# 710
Delta R.T. -0.04 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 95 Resp: 13526

Ion	Ratio	Lower	Upper
95	100		
130	0.0	63.1	123.1#
97	7.6	36.5	96.5#
132	0.0	62.5	122.5#

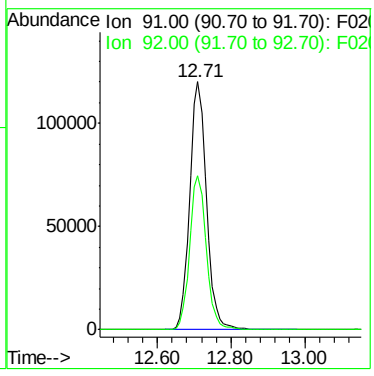


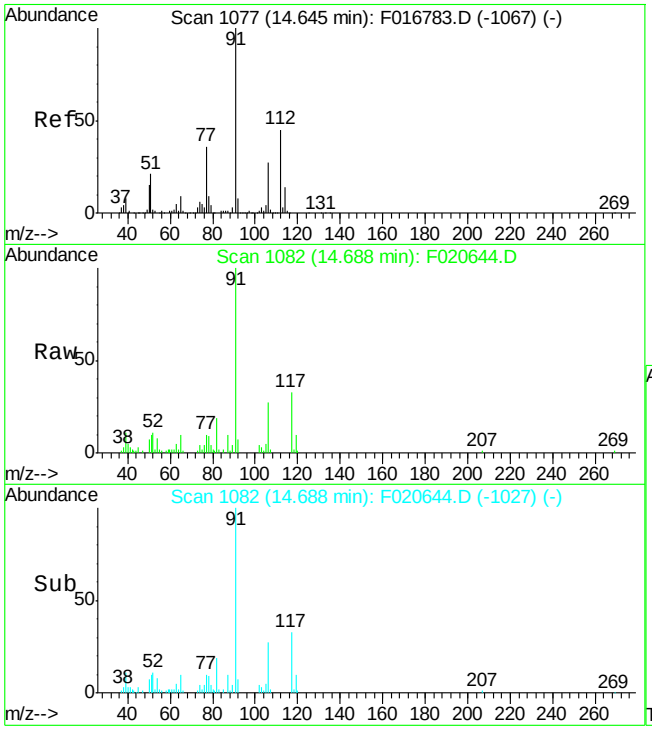


#63
Toluene
Concen: 18.17 ug/L
RT: 12.71 min Scan# 881
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 91 Resp: 380078

Ion	Ratio	Lower	Upper
91	100		
92	62.1	31.7	91.7

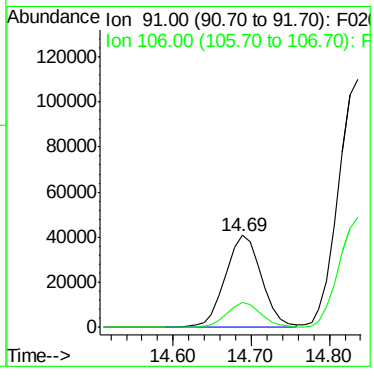


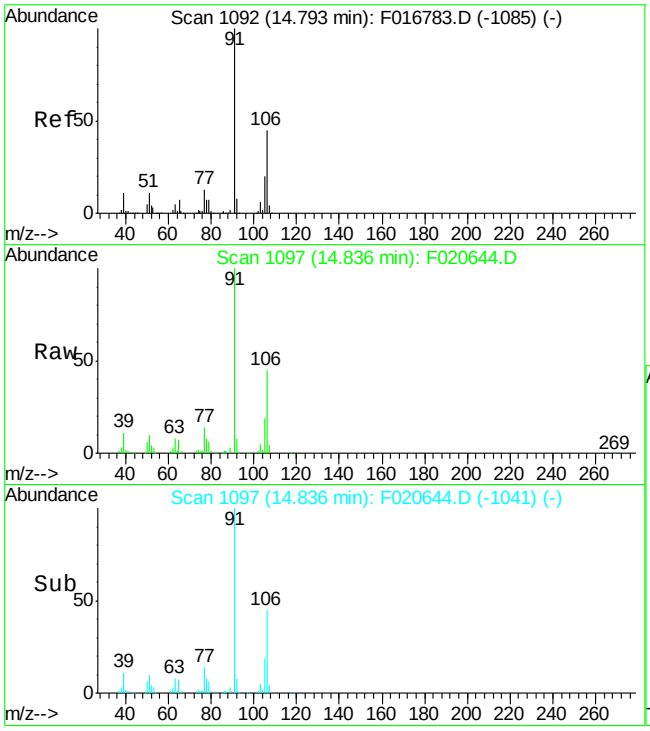


#75
Ethylbenzene
Concen: 5.03 ug/L
RT: 14.69 min Scan# 1082
Delta R.T. 0.04 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 91 Resp: 131016

Ion	Ratio	Lower	Upper
91	100		
106	26.9	0.0	57.1

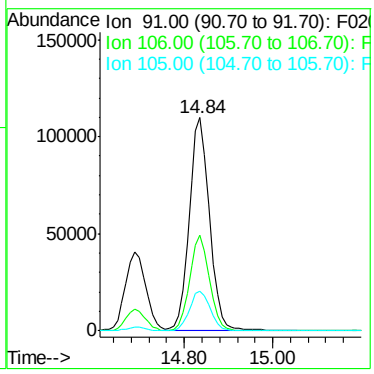


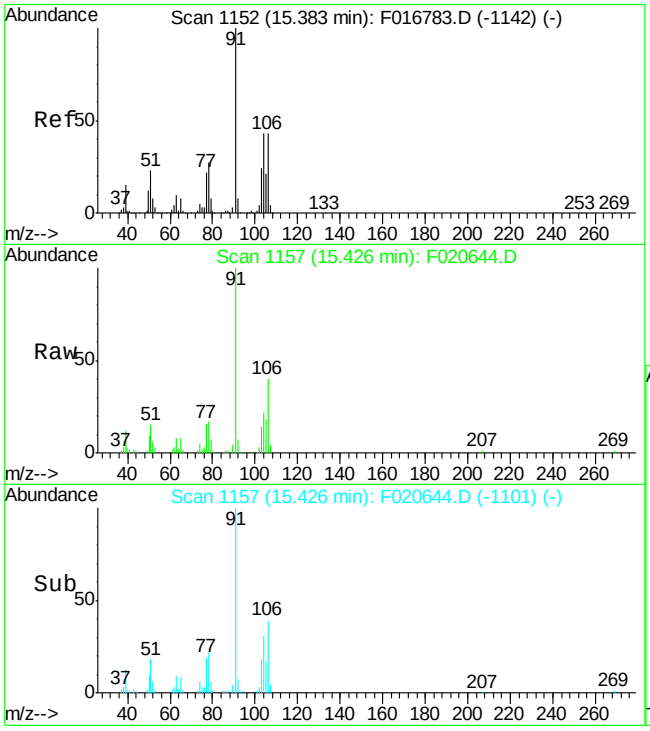


#76
m,p-Xylene
Concen: 17.57 ug/L
RT: 14.84 min Scan# 1097
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 91 Resp: 352188

Ion	Ratio	Lower	Upper
91	100		
106	44.6	12.4	72.4
105	18.6	0.0	49.8

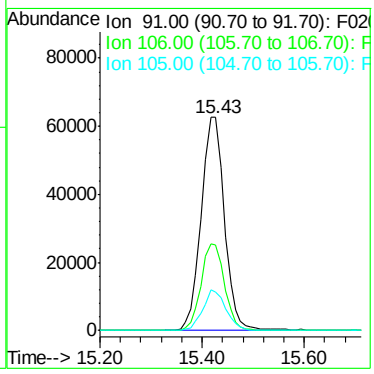


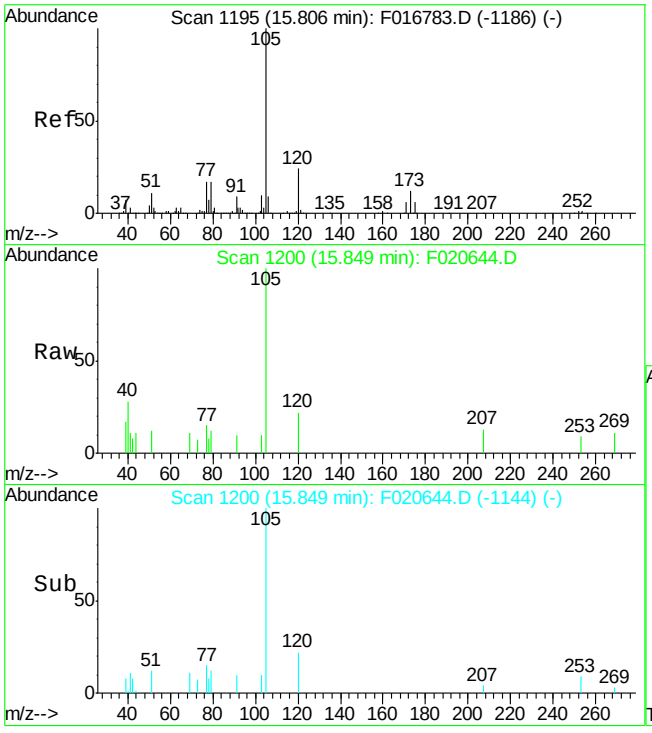


#77
o-Xylene
Concen: 9.55 ug/L
RT: 15.43 min Scan# 1157
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion: 91 Resp: 199100

Ion	Ratio	Lower	Upper
91	100		
106	40.2	9.6	69.6
105	18.3	0.0	49.9

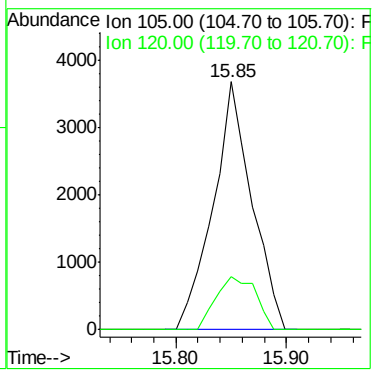


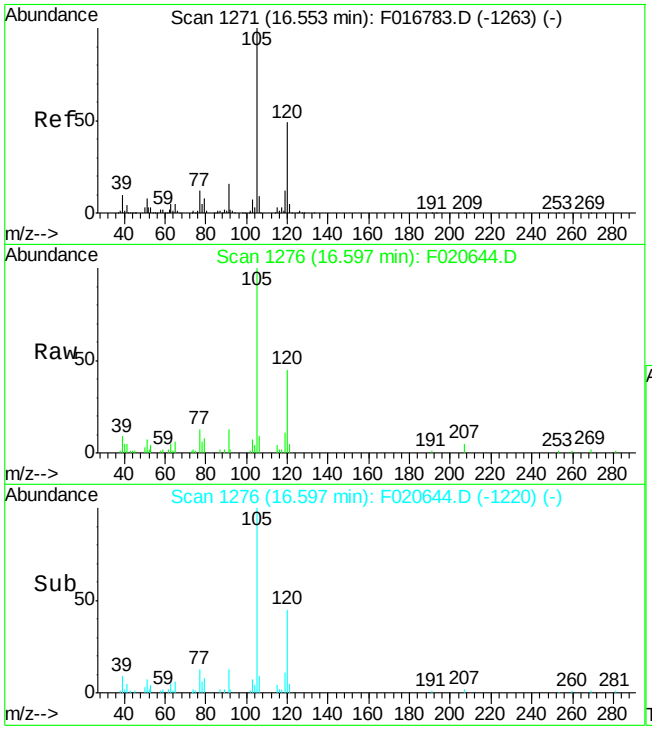


#81
Isopropylbenzene
Concen: 0.44 ug/L
RT: 15.85 min Scan# 1200
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion:105 Resp: 8982

Ion	Ratio	Lower	Upper
105	100		
120	21.6	0.0	52.8

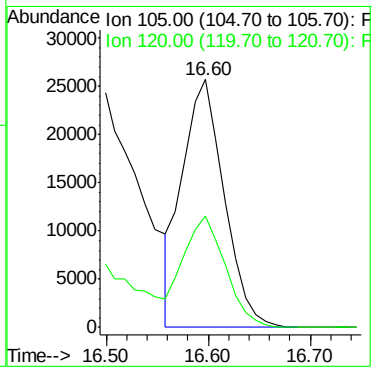


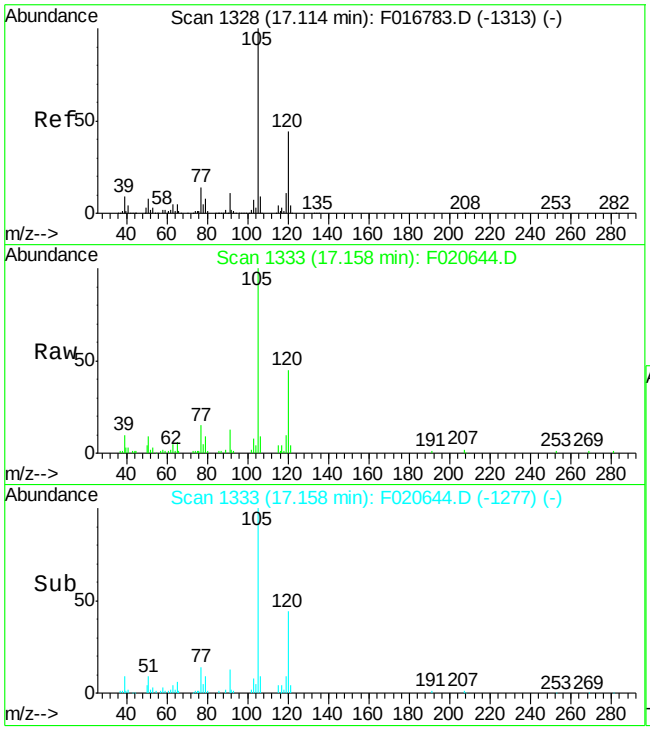


#91
1,3,5-Trimethylbenzene
Concen: 3.96 ug/L
RT: 16.60 min Scan# 1276
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion:105 Resp: 72889

Ion	Ratio	Lower	Upper
105	100		
120	45.0	15.7	75.7

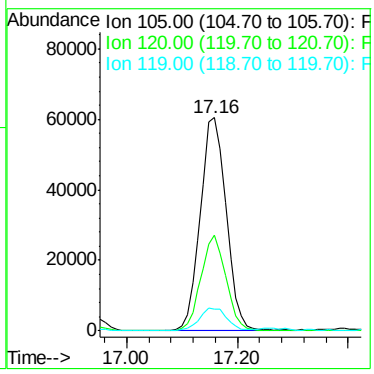


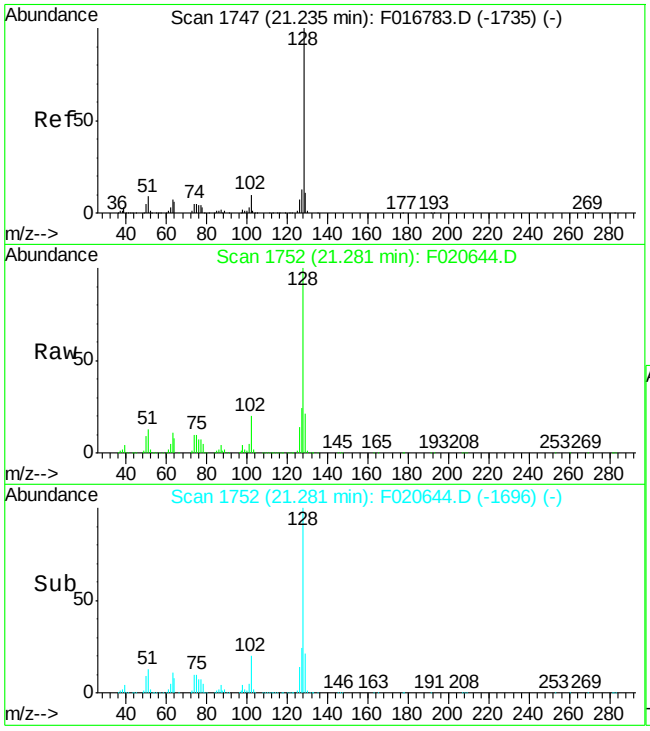


#100
1,2,4-Trimethylbenzene
Concen: 10.00 ug/L
RT: 17.16 min Scan# 1333
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion:105 Resp: 196654

Ion	Ratio	Lower	Upper
105	100		
120	45.1	12.2	72.2
119	10.3	0.0	40.6

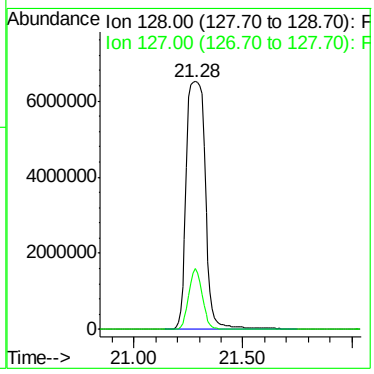




#105
Naphthalene
Concen: 5342.26 ug/L
RT: 21.28 min Scan# 1752
Delta R.T. 0.05 min
Lab File: F020644.D
Acq: 9 Oct 2009 5:44 am

Tgt Ion:128 Resp:39437141

Ion	Ratio	Lower	Upper
128	100		
127	24.4	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020645.D Vial: 43
Acq On : 9 Oct 2009 6:14 am Operator: AnjanaP
Sample : t39187-5 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:30 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	1374958	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	1048168	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.82	152	574392	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.82	152	574392	50.00	ug/kg	0.04

System Monitoring Compounds

39) Dibromofluoromethane	9.85	113	376923	46.24	ug/L	0.03
Spiked Amount 50.000	Range 79 - 122		Recovery = 92.48%			
45) 1,2-Dichloroethane-d4	10.33	65	456541	43.85	ug/L	0.04
Spiked Amount 50.000	Range 75 - 121		Recovery = 87.70%			
62) Toluene-d8	12.61	98	1110694	45.03	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.06%			
83) 4-Bromofluorobenzene	16.19	95	484324	44.64	ug/L	0.04
Spiked Amount 50.000	Range 80 - 133		Recovery = 89.28%			

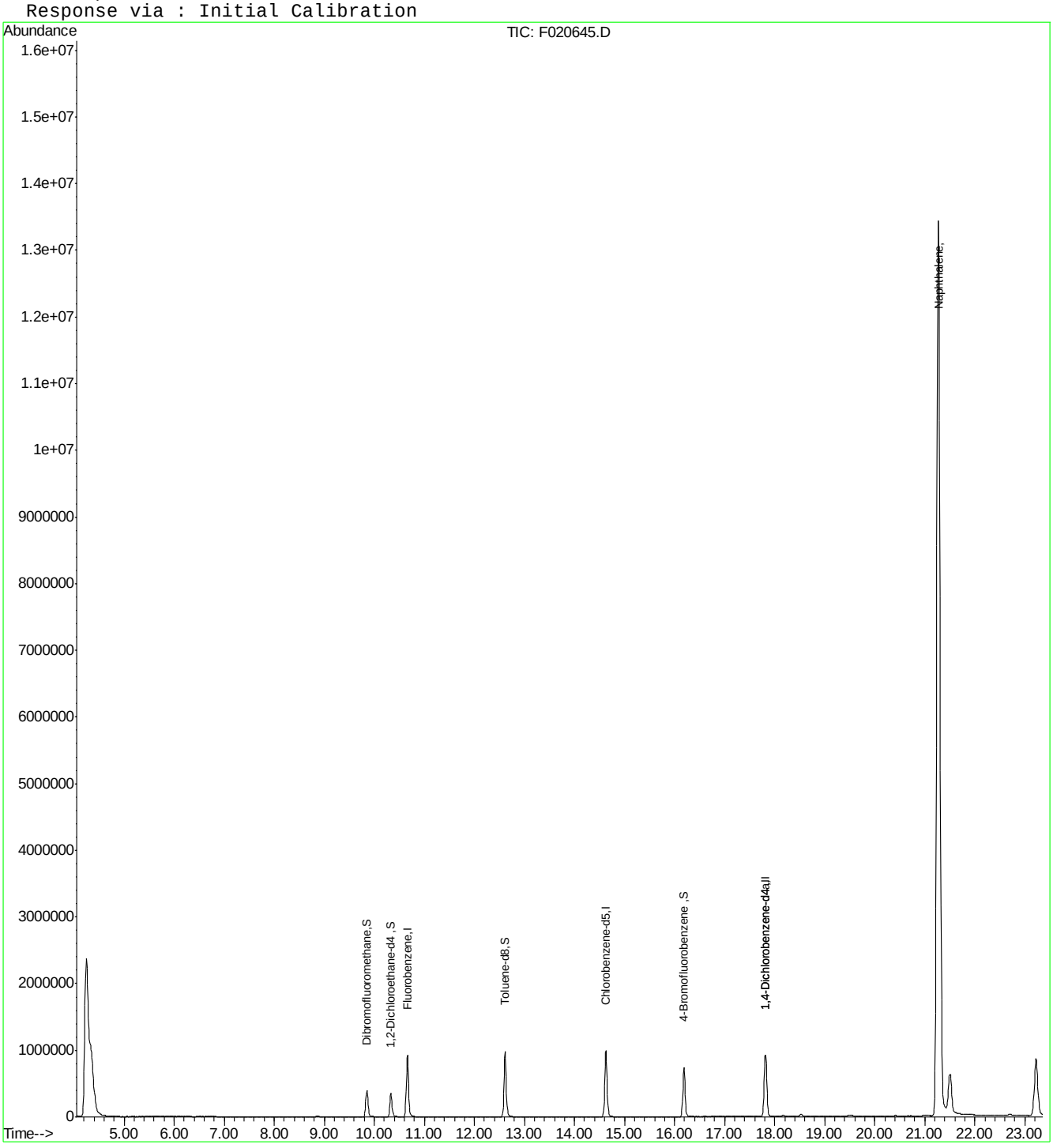
Target Compounds						Qvalue
105) Naphthalene	21.27	128	28042604	2961.06	ug/L	96

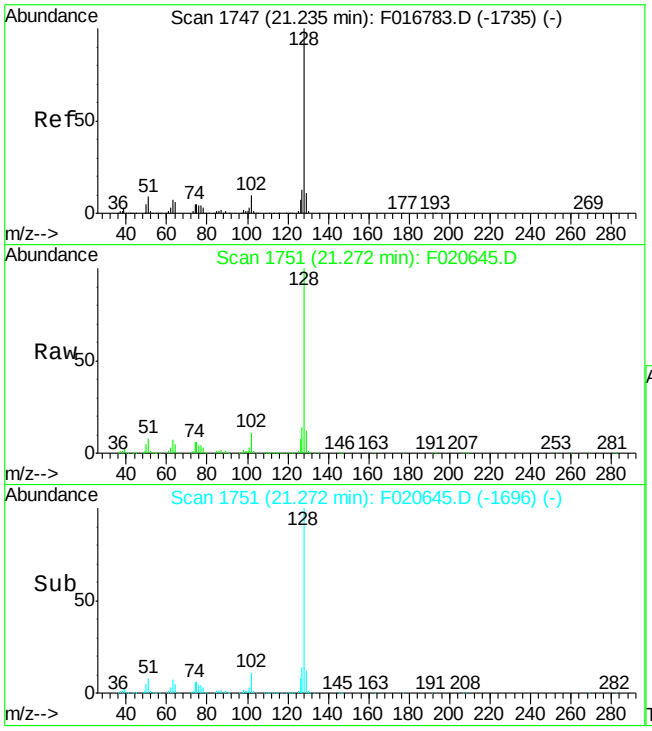
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020645.D Vial: 43
Acq On : 9 Oct 2009 6:14 am Operator: AnjanaP
Sample : t39187-5 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:51 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration

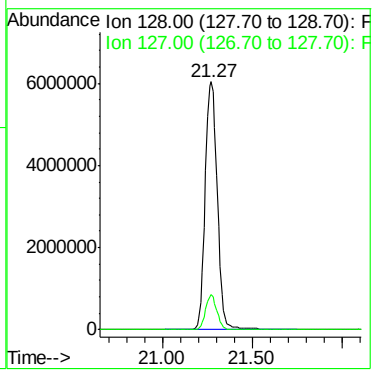




#105
Naphthalene
Concen: 2961.06 ug/L
RT: 21.27 min Scan# 1751
Delta R.T. 0.04 min
Lab File: F020645.D
Acq: 9 Oct 2009 6:14 am

Tgt Ion:128 Resp:28042604

Ion	Ratio	Lower	Upper
128	100		
127	14.2	0.0	42.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020631.D Vial: 29
Acq On : 8 Oct 2009 11:13 pm Operator: AnjanaP
Sample : t39187-6 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:17 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	1009978	50.00	ug/L	0.03
61) Chlorobenzene-d5	14.62	117	753333	50.00	ug/L	0.03
80) 1,4-Dichlorobenzene-d4	17.81	152	420466	50.00	ug/L	0.03
107) 1,4-Dichlorobenzene-d4a	17.81	152	420466	50.00	ug/kg	0.03

System Monitoring Compounds

39) Dibromofluoromethane	9.84	113	287430	48.00	ug/L	0.02
Spiked Amount 50.000	Range 79 - 122		Recovery = 96.00%			
45) 1,2-Dichloroethane-d4	10.32	65	370025	48.60	ug/L	0.03
Spiked Amount 50.000	Range 75 - 121		Recovery = 97.20%			
62) Toluene-d8	12.60	98	800274	45.14	ug/L	0.03
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.28%			
83) 4-Bromofluorobenzene	16.18	95	359833	45.30	ug/L	0.03
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.60%			

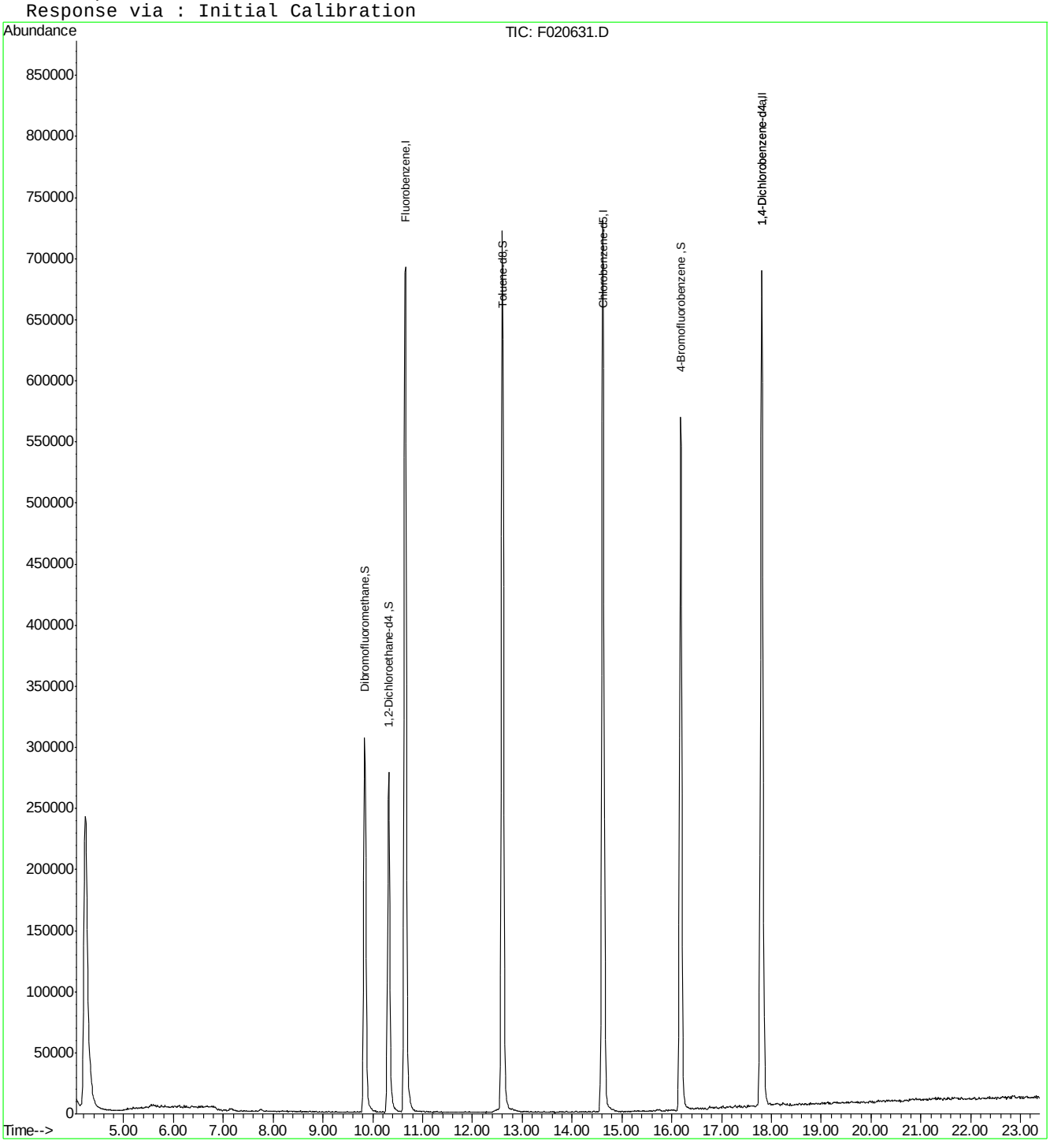
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020631.D VF3547AP9G.M Fri Oct 09 11:53:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020631.D Vial: 29
Acq On : 8 Oct 2009 11:13 pm Operator: AnjanaP
Sample : t39187-6 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:43 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020629.D Vial: 27
Acq On : 8 Oct 2009 10:12 pm Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:15 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	1028568	50.00	ug/L	0.02
61) Chlorobenzene-d5	14.61	117	768490	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.80	152	425275	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	425275	50.00	ug/kg	0.02

System Monitoring Compounds

39) Dibromofluoromethane	9.84	113	293074	48.06	ug/L	0.02
Spiked Amount 50.000	Range 79 - 122		Recovery = 96.12%			
45) 1,2-Dichloroethane-d4	10.32	65	372620	48.03	ug/L	0.03
Spiked Amount 50.000	Range 75 - 121		Recovery = 96.06%			
62) Toluene-d8	12.60	98	839003	46.36	ug/L	0.03
Spiked Amount 50.000	Range 87 - 119		Recovery = 92.72%			
83) 4-Bromofluorobenzene	16.17	95	363103	45.19	ug/L	0.03
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.38%			

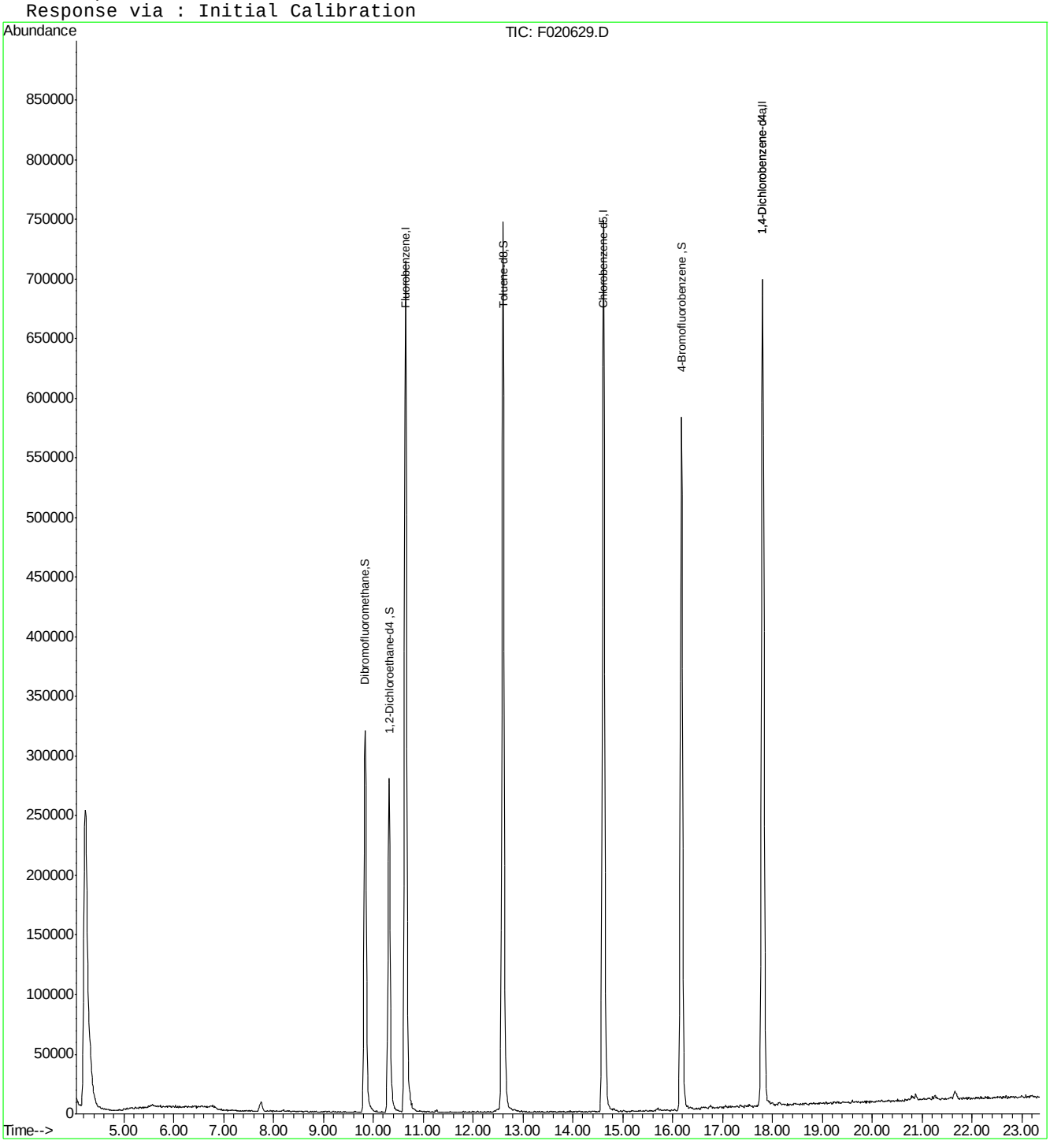
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020629.D Vial: 27
Acq On : 8 Oct 2009 10:12 pm Operator: AnjanaP
Sample : mb Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:42 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



F020629.D VF3547AP9G.M Fri Oct 09 11:52:56 2009 Page 2

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/09/09 14:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020627.D Vial: 25
Acq On : 8 Oct 2009 9:12 pm Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:15 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.65	96	1002685	50.00	ug/L	0.02
61) Chlorobenzene-d5	14.61	117	748924	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.80	152	426103	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	426103	50.00	ug/kg	0.02

System Monitoring Compounds						
39) Dibromofluoromethane	9.83	113	287166	48.30	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 96.60%			
45) 1,2-Dichloroethane-d4	10.31	65	367024	48.55	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 97.10%			
62) Toluene-d8	12.60	98	801866	45.49	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.98%			
83) 4-Bromofluorobenzene	16.17	95	355573	44.19	ug/L	0.02
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.38%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.65	85	121753	21.62	ug/L	95
3) Chloromethane	5.00	50	106064	20.30	ug/L	98
4) Vinyl Chloride	5.22	62	107680	25.03	ug/L	93
5) Bromomethane	5.83	94	96932	29.68	ug/L	96
6) Chloroethane	5.97	64	65339	24.40	ug/L	98
7) Trichlorofluoromethane	6.34	101	198779	22.84	ug/L	99
8) Acrolein	8.18	56	54022	124.30	ug/L	99
9) Ethyl Ether	6.62	59	97003	26.86	ug/L	97
10) 1,1-Dichloroethene	7.07	61	202724	28.85	ug/L	99
11) Freon 113	6.97	101	133712	29.60	ug/L	97
12) Acetone	7.12	43	166844	123.47	ug/L	100
13) Iodomethane	7.38	142	238186	30.58	ug/L	98
14) Methyl acetate	7.47	43	336486	117.39	ug/L	97
15) Allyl Chloride	7.53	41	137659	25.90	uL/L	87
16) Carbon Disulfide	7.51	76	360903	26.07	ug/L	94
17) Acetonitrile	7.53	41	66200m	71.23	uL/L	
18) Methylene Chloride	7.75	49	161964	27.26	ug/L	95
19) Tert Butyl Alcohol	7.68	59	98486	235.41	ug/L	96
20) trans-1,2-Dichloroethene	8.01	61	182931	27.93	ug/L	96
21) Acrylonitrile	8.06	53	132623	113.11	ug/L	97
22) Methyl Tert Butyl Ether	7.90	73	376115	25.35	ug/L	99
23) Hexane	8.18	57	90196	24.92	ug/L	89
24) 1,1-Dichloroethane	8.57	63	221211	26.73	ug/L	98
25) Vinyl acetate	8.48	43	1268180	122.09	ug/L	98
26) Di-isopropyl ether	8.40	45	396939	24.52	ug/L	98
27) Chloroprene	8.64	53	217117	28.31	uL/L	97
28) Ethyl tert-butyl ether	8.85	59	405504	25.49	ug/L	98
29) 2,2-Dichloropropane	9.27	77	157936	23.12	ug/L	99
30) cis-1,2-Dichloroethene	9.29	96	144154	25.32	ug/L	91
31) Ethyl Acetate	9.17	43	699725	124.84	uL/L	98
32) 2-Butanone	9.17	43	699725	124.84	ug/L	100
33) Propionitrile	9.42	54	100377	234.11	uL/L	98
34) Methacrylonitrile	9.57	41	630633	167.45	uL/L	89
35) Bromochloromethane	9.61	128	75940	26.94	ug/L	91

(#) = qualifier out of range (m) = manual integration
F020627.D VF3547AP9G.M Fri Oct 09 11:52:25 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020627.D Vial: 25
Acq On : 8 Oct 2009 9:12 pm Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:15 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.62	83	285642	26.05	ug/L		98
37)	Tetrahydrofuran	9.18	42	44275	17.06	ug/L		96
38)	1,1,1-Trichloroethane	9.88	97	243530	25.76	ug/L		98
40)	Cyclohexane	9.90	56	153708	27.02	ug/L		94
41)	Isobutyl Alcohol	9.98	43	58990	845.18	uL/L		82
42)	n-Butyl Alcohol	10.78	56	36128	863.80	ug/L		79
43)	1,1-Dichloropropene	10.06	75	192585	27.35	ug/L		93
44)	Carbon Tetrachloride	10.06	117	224358	27.24	ug/L		96
46)	Benzene	10.33	78	438768	26.67	ug/L		99
47)	1,2-Dichloroethane	10.41	62	236984	24.82	ug/L		99
48)	tert-amyl methyl ether	10.27	73	379150	25.31	ug/L		98
49)	Trichloroethene	11.08	95	151409	26.89	ug/L		98
50)	Methylcyclohexane	11.28	83	138572	26.14	ug/L		96
51)	Methyl Methacrylate	11.34	41	103828	23.63	uL/L		95
52)	1,2-Dichloropropane	11.44	63	104315	25.76	ug/L		92
53)	Dibromomethane	11.63	93	98575	25.28	ug/L		97
54)	1,4-Dioxane	11.51	88	19267	473.98	ug/L		98
55)	Bromodichloromethane	11.74	83	221643	23.42	ug/L		98
56)	2-Nitropropane	12.07	41	235454	117.88	ug/L		98
57)	2-Chloroethyl vinyl ether	11.99	63	302276	145.05	ug/L		98
58)	1-Bromo-2-Chloroethane	12.23	63	142312	24.07	uL/L		100
59)	4-Methyl-2-pentanone	12.35	43	477626	122.08	ug/L		99
60)	cis-1,3-Dichloropropene	12.28	75	220772	24.97	ug/L		93
63)	Toluene	12.69	91	505210	25.15	ug/L		99
64)	Ethyl Methacrylate	12.86	69	139689	21.81	uL/:		97
65)	trans-1,3-Dichloropropene	12.99	75	219073	25.14	ug/L		96
66)	1,1,2-Trichloroethane	13.28	83	89657	23.84	ug/L		96
67)	Tetrachloroethene	13.41	166	162486	25.73	ug/L		97
68)	2-hexanone	13.42	43	328043	113.86	ug/L		98
69)	1,3-Dichloropropane	13.52	76	202822	23.99	ug/L		92
70)	Dibromochloromethane	13.84	129	157292	24.27	ug/L		99
71)	1,2-Dibromoethane	14.07	107	127749	24.19	ug/L		97
72)	1-Chlorohexane	14.41	91	177256	25.17	ug/L		89
73)	Chlorobenzene	14.65	112	335099	25.14	ug/L		96
74)	1,1,1,2-Tetrachloroethane	14.73	131	141413	24.53	ug/L		99
75)	Ethylbenzene	14.67	91	610290	24.40	ug/L		99
76)	m,p-Xylene	14.82	91	956241	49.68	ug/L		98
77)	o-Xylene	15.40	91	496469	24.80	ug/L		98
78)	Styrene	15.42	104	339191	23.82	ug/L		97
79)	Bromoform	15.82	173	104384	22.63	ug/L		98
81)	Isopropylbenzene	15.83	105	486023	25.19	ug/L		99
82)	Cyclohexanone	16.16	55	50611	310.66	ug/L	#	78
84)	Bromobenzene	16.43	156	169414	24.56	ug/L		98
85)	1,1,2,2-Tetrachloroethane	16.31	83	116459	22.09	ug/L		98
86)	Trans-1,4-Dichloro-2-Buten	16.38	53	37848	19.39	ug/L	#	91
87)	1,2,3-Trichloropropane	16.43	110	41825	20.81	ug/L		95
88)	n-Propylbenzene	16.38	91	622232	23.53	ug/L		99
89)	2-Chlorotoluene	16.62	91	458875	23.35	ug/L		98
90)	4-Chlorotoluene	16.77	91	431359	23.49	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020627.D Vial: 25
Acq On : 8 Oct 2009 9:12 pm Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:15 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

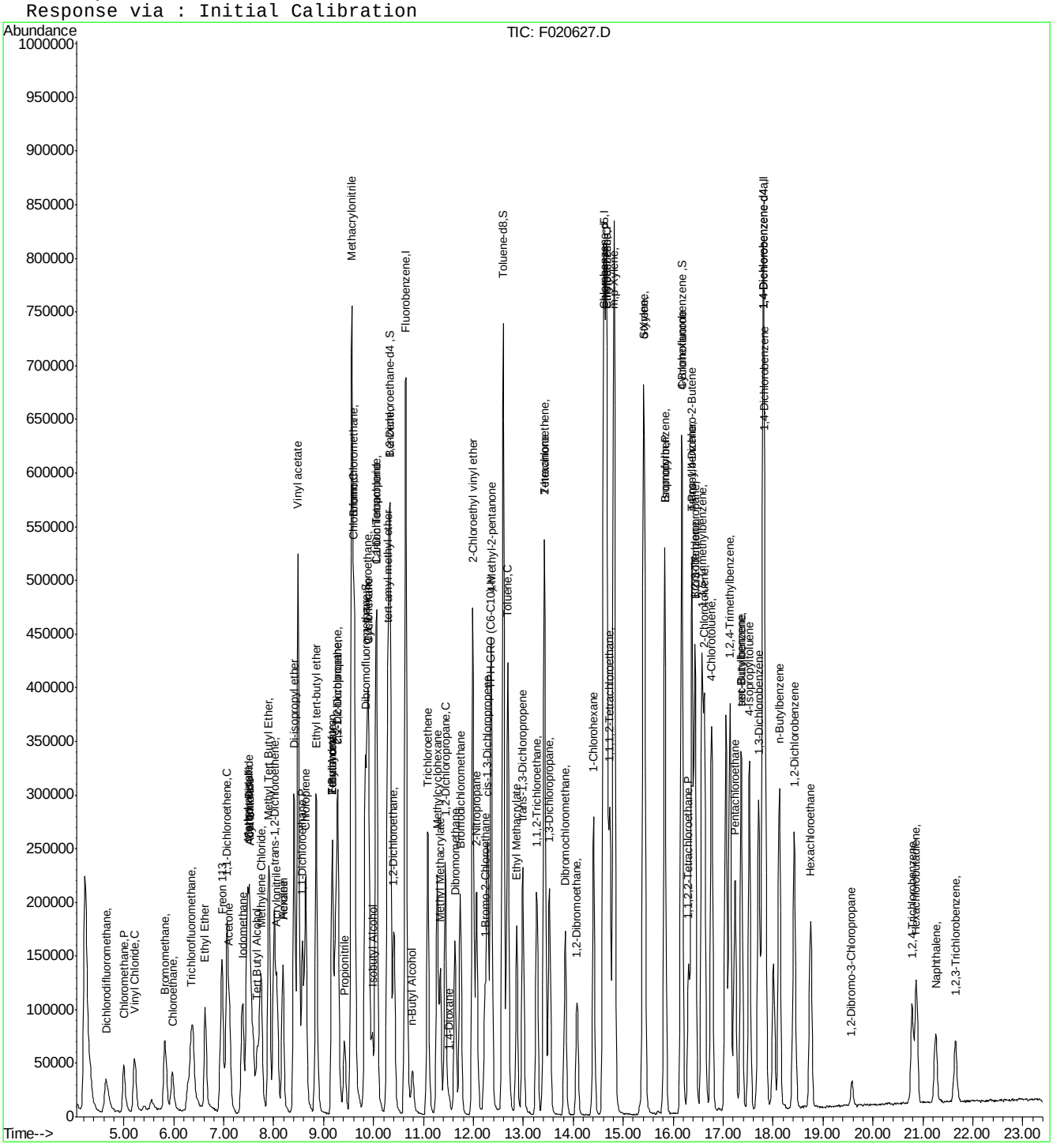
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.57	105	415243	23.73	ug/L	100
92)	Pentachloroethane	17.24	167	90892	20.43	uL/L	99
93)	sec-Butylbenzene	17.36	105	449563	23.30	ug/L	99
94)	1,3-Dichlorobenzene	17.71	146	260360	24.17	ug/L	96
95)	4-Isopropyltoluene	17.53	119	361776	23.06	ug/L	100
96)	1,4-Dichlorobenzene	17.84	146	277019	24.96	ug/L	98
97)	tert-Butylbenzene	17.37	91	82180	24.33	ug/L	88
98)	n-Butylbenzene	18.13	91	335287	22.07	ug/L	99
99)	1,2-Dichlorobenzene	18.42	146	235981	23.34	ug/L	96
100)	1,2,4-Trimethylbenzene	17.13	105	429370	22.96	ug/L	98
101)	Hexachloroethane	18.75	119	80028	21.53	uL/L	97
102)	1,2-Dibromo-3-Chloropropan	19.56	75	14412	14.38	ug/L	92
103)	1,2,4-Trichlorobenzene	20.78	180	69711	12.37	ug/L	97
104)	Hexachlorobutadiene	20.87	225	50836	20.55	ug/L	97
105)	Naphthalene	21.26	128	128032	16.15	ug/L	99
106)	1,2,3-Trichlorobenzene	21.65	180	49262	16.19	ug/L	99
108)	TPH-GRO (C6-C10)	12.34	TIC	48238232m	1866.00	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020627.D VF3547AP9G.M Fri Oct 09 11:52:25 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020627.D Vial: 25
Acq On : 8 Oct 2009 9:12 pm Operator: AnjanaP
Sample : bs Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:42 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/09/09 14:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020633.D Vial: 31
Acq On : 9 Oct 2009 12:13 am Operator: AnjanaP
Sample : t39169-1ms Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.65	96	989057	50.00	ug/L	0.03
61) Chlorobenzene-d5	14.62	117	742850	50.00	ug/L	0.03
80) 1,4-Dichlorobenzene-d4	17.80	152	417703	50.00	ug/L	0.03
107) 1,4-Dichlorobenzene-d4a	17.80	152	417703	50.00	ug/kg	0.03

System Monitoring Compounds						
39) Dibromofluoromethane	9.84	113	281998	48.09	ug/L	0.03
Spiked Amount 50.000	Range 79 - 122		Recovery = 96.18%			
45) 1,2-Dichloroethane-d4	10.32	65	378824	50.90	ug/L	0.04
Spiked Amount 50.000	Range 75 - 121		Recovery = 101.80%			
62) Toluene-d8	12.61	98	786780	45.01	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.02%			
83) 4-Bromofluorobenzene	16.18	95	358609	45.44	ug/L	0.04
Spiked Amount 50.000	Range 80 - 133		Recovery = 90.88%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.66	85	131051	23.59	ug/L	95
3) Chloromethane	5.01	50	112906	22.01	ug/L	98
4) Vinyl Chloride	5.24	62	113790	26.90	ug/L	99
5) Bromomethane	5.84	94	108502	33.94	ug/L	97
6) Chloroethane	5.99	64	74153	28.08	ug/L	97
7) Trichlorofluoromethane	6.35	101	228485	26.62	ug/L	99
8) Acrolein	8.20	56	50114	116.89	ug/L	94
9) Ethyl Ether	6.64	59	98473	27.64	ug/L	97
10) 1,1-Dichloroethene	7.08	61	197458	28.49	ug/L	98
11) Freon 113	6.98	101	123635	27.75	ug/L	94
12) Acetone	7.13	43	160803	120.39	ug/L	93
13) Iodomethane	7.39	142	233392	30.38	ug/L	97
14) Methyl acetate	7.48	43	295455	104.73	ug/L	97
15) Allyl Chloride	7.53	41	153690	29.72	uL/L	93
16) Carbon Disulfide	7.53	76	350052	25.64	ug/L	97
17) Acetonitrile	7.53	41	82850m	91.95	uL/L	
18) Methylene Chloride	7.76	49	148005	25.21	ug/L	98
19) Tert Butyl Alcohol	7.69	59	98361	238.35	ug/L	90
20) trans-1,2-Dichloroethene	8.02	61	177783	27.52	ug/L	94
21) Acrylonitrile	8.08	53	131891	114.04	ug/L	96
22) Methyl Tert Butyl Ether	7.91	73	375065	25.62	ug/L	99
23) Hexane	8.20	57	82188	23.02	ug/L	93
24) 1,1-Dichloroethane	8.58	63	215586	26.41	ug/L	98
25) Vinyl acetate	8.49	43	1091259	106.50	ug/L	99
26) Di-isopropyl ether	8.42	45	389147	24.37	ug/L	99
27) Chloroprene	8.65	53	223597	29.55	uL/L	98
28) Ethyl tert-butyl ether	8.86	59	399137	25.44	ug/L	99
29) 2,2-Dichloropropane	9.27	77	145859	21.65	ug/L	99
30) cis-1,2-Dichloroethene	9.30	96	143947	25.63	ug/L	90
31) Ethyl Acetate	9.18	43	659128	119.22	uL/L	98
32) 2-Butanone	9.18	43	659128	119.22	ug/L	100
33) Propionitrile	9.43	54	108255	255.96	uL/L	99
34) Methacrylonitrile	9.58	41	677793	182.45	uL/L	91
35) Bromochloromethane	9.62	128	75667	27.22	ug/L	91

(#) = qualifier out of range (m) = manual integration
F020633.D VF3547AP9G.M Fri Oct 09 11:52:26 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020633.D Vial: 31
Acq On : 9 Oct 2009 12:13 am Operator: AnjanaP
Sample : t39169-1ms Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	Chloroform	9.63	83	290350	26.84 ug/L		99
37)	Tetrahydrofuran	9.18	42	62108	24.92 ug/L		91
38)	1,1,1-Trichloroethane	9.89	97	245631	26.34 ug/L		97
40)	Cyclohexane	9.91	56	148140	26.40 ug/L		97
41)	Isobutyl Alcohol	9.99	43	60986	884.63 uL/L		87
42)	n-Butyl Alcohol	10.79	56	36345	880.12 ug/L		90
43)	1,1-Dichloropropene	10.06	75	189727	27.31 ug/L		97
44)	Carbon Tetrachloride	10.07	117	221532	27.27 ug/L		98
46)	Benzene	10.34	78	450095	27.73 ug/L		99
47)	1,2-Dichloroethane	10.41	62	242852	25.79 ug/L		99
48)	tert-amyl methyl ether	10.29	73	392704	26.57 ug/L		97
49)	Trichloroethene	11.09	95	146258	26.31 ug/L		96
50)	Methylcyclohexane	11.28	83	128670	24.61 ug/L		98
51)	Methyl Methacrylate	11.35	41	108511	25.03 uL/L		94
52)	1,2-Dichloropropane	11.45	63	101381	25.39 ug/L		90
53)	Dibromomethane	11.63	93	100390	26.10 ug/L		97
54)	1,4-Dioxane	11.53	88	20049	500.01 ug/L		87
55)	Bromodichloromethane	11.74	83	222949	23.88 ug/L		98
56)	2-Nitropropane	12.07	41	240561	122.09 ug/L		95
57)	2-Chloroethyl vinyl ether	12.23	63	142630	69.38 ug/L	#	13
58)	1-Bromo-2-Chloroethane	12.23	63	141363	24.23 uL/L		99
59)	4-Methyl-2-pentanone	12.36	43	496656	128.70 ug/L		98
60)	cis-1,3-Dichloropropene	12.29	75	216659	24.84 ug/L		93
63)	Toluene	12.70	91	512339	25.72 ug/L		98
64)	Ethyl Methacrylate	12.87	69	146975	23.14 uL/:		99
65)	trans-1,3-Dichloropropene	13.00	75	220622	25.53 ug/L		94
66)	1,1,2-Trichloroethane	13.28	83	93469	25.06 ug/L		96
67)	Tetrachloroethene	13.42	166	159439	25.46 ug/L		98
68)	2-hexanone	13.43	43	336833	117.87 ug/L		94
69)	1,3-Dichloropropane	13.53	76	203429	24.26 ug/L		91
70)	Dibromochloromethane	13.85	129	157806	24.54 ug/L		99
71)	1,2-Dibromoethane	14.08	107	130319	24.87 ug/L		99
72)	1-Chlorohexane	14.42	91	166833	23.88 ug/L		93
73)	Chlorobenzene	14.66	112	326731	24.71 ug/L		96
74)	1,1,1,2-Tetrachloroethane	14.74	131	144493	25.27 ug/L		96
75)	Ethylbenzene	14.67	91	606360	24.44 ug/L		98
76)	m,p-Xylene	14.82	91	954579	50.00 ug/L		98
77)	o-Xylene	15.41	91	497732	25.06 ug/L		99
78)	Styrene	15.43	104	333014	23.58 ug/L		95
79)	Bromoform	15.84	173	105941	23.16 ug/L		98
81)	Isopropylbenzene	15.84	105	471768	24.95 ug/L		97
82)	Cyclohexanone	16.17	55	13161	84.49 ug/L	#	24
84)	Bromobenzene	16.45	156	167358	24.75 ug/L		100
85)	1,1,2,2-Tetrachloroethane	16.32	83	117127	22.66 ug/L		98
86)	Trans-1,4-Dichloro-2-Buten	16.39	53	40122	20.96 ug/L	#	95
87)	1,2,3-Trichloropropane	16.45	110	42647	21.64 ug/L		95
88)	n-Propylbenzene	16.38	91	609776	23.52 ug/L		99
89)	2-Chlorotoluene	16.63	91	456203	23.68 ug/L		97
90)	4-Chlorotoluene	16.78	91	427867	23.77 ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020633.D Vial: 31
Acq On : 9 Oct 2009 12:13 am Operator: AnjanaP
Sample : t39169-1ms Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

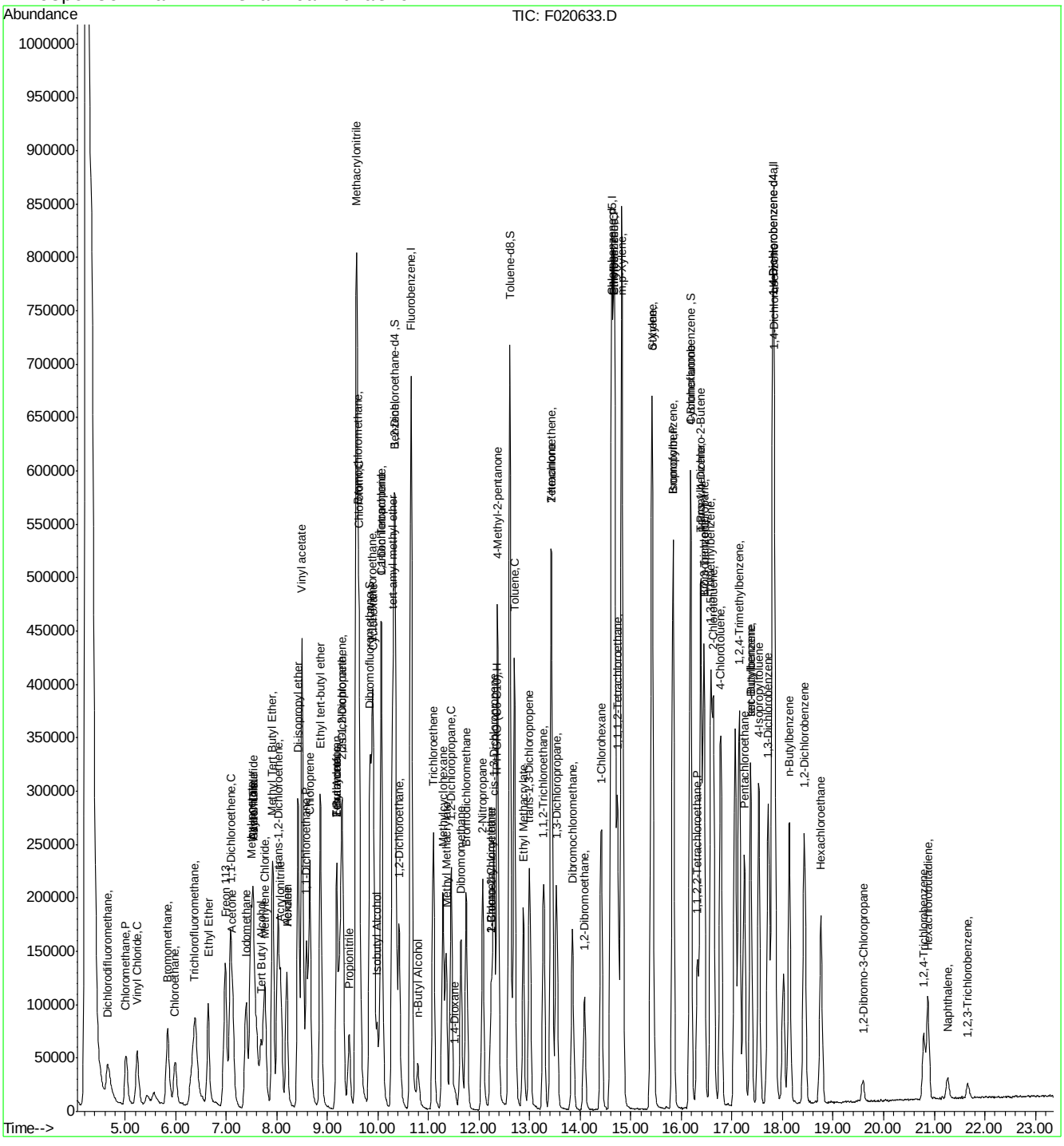
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.58	105	400766	23.36	ug/L	99
92)	Pentachloroethane	17.25	167	96424	22.11	uL/L	99
93)	sec-Butylbenzene	17.37	105	428418	22.65	ug/L	99
94)	1,3-Dichlorobenzene	17.71	146	251477	23.81	ug/L	99
95)	4-Isopropyltoluene	17.53	119	343078	22.31	ug/L	100
96)	1,4-Dichlorobenzene	17.84	146	264160	24.28	ug/L	98
97)	tert-Butylbenzene	17.37	91	76745	23.13	ug/L	91
98)	n-Butylbenzene	18.14	91	307080	20.62	ug/L	100
99)	1,2-Dichlorobenzene	18.43	146	230181	23.23	ug/L	96
100)	1,2,4-Trimethylbenzene	17.14	105	417926	22.79	ug/L	98
101)	Hexachloroethane	18.76	119	77481	21.26	uL/L	99
102)	1,2-Dibromo-3-Chloropropan	19.58	75	12909	12.85	ug/L	85
103)	1,2,4-Trichlorobenzene	20.79	180	47180	7.87	ug/L	98
104)	Hexachlorobutadiene	20.87	225	41951	16.69	ug/L	97
105)	Naphthalene	21.27	128	38509	3.51	ug/L	100
106)	1,2,3-Trichlorobenzene	21.66	180	12148	1.98	ug/L	96
108)	TPH-GRO (C6-C10)	12.34	TIC	45690525m	1829.02	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020633.D Vial: 31
Acq On : 9 Oct 2009 12:13 am Operator: AnjanaP
Sample : t39169-1ms Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:44 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/09/09 14:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020634.D Vial: 32
Acq On : 9 Oct 2009 12:43 am Operator: AnjanaP
Sample : t39169-1msd Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.66	96	1023042	50.00	ug/L	0.04
61) Chlorobenzene-d5	14.63	117	777316	50.00	ug/L	0.04
80) 1,4-Dichlorobenzene-d4	17.81	152	442321	50.00	ug/L	0.04
107) 1,4-Dichlorobenzene-d4a	17.81	152	442321	50.00	ug/kg	0.04

System Monitoring Compounds						
39) Dibromofluoromethane	9.84	113	293516	48.39	ug/L	0.03
Spiked Amount 50.000	Range 79 - 122		Recovery = 96.78%			
45) 1,2-Dichloroethane-d4	10.33	65	388398	50.43	ug/L	0.04
Spiked Amount 50.000	Range 75 - 121		Recovery = 100.86%			
62) Toluene-d8	12.61	98	826305	45.17	ug/L	0.04
Spiked Amount 50.000	Range 87 - 119		Recovery = 90.34%			
83) 4-Bromofluorobenzene	16.18	95	371469	44.46	ug/L	0.04
Spiked Amount 50.000	Range 80 - 133		Recovery = 88.92%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.66	85	131317	22.86	ug/L	92
3) Chloromethane	5.01	50	116152	21.88	ug/L	99
4) Vinyl Chloride	5.24	62	120512	27.57	ug/L	93
5) Bromomethane	5.84	94	113509	34.35	ug/L	99
6) Chloroethane	6.00	64	78762	28.83	ug/L	98
7) Trichlorofluoromethane	6.36	101	226904	25.56	ug/L	99
8) Acrolein	8.19	56	51210	115.48	ug/L	99
9) Ethyl Ether	6.65	59	104588	28.38	ug/L	95
10) 1,1-Dichloroethene	7.09	61	209465	29.22	ug/L	98
11) Freon 113	6.98	101	135840	29.47	ug/L	93
12) Acetone	7.13	43	170298	123.52	ug/L	96
13) Iodomethane	7.39	142	244011	30.70	ug/L	96
14) Methyl acetate	7.48	43	316644	108.43	ug/L	99
15) Allyl Chloride	7.54	41	156987	29.31	uL/L	89
16) Carbon Disulfide	7.53	76	367430	26.01	ug/L	94
17) Acetonitrile	7.54	41	65267m	68.56	uL/L	
18) Methylene Chloride	7.76	49	153327	25.25	ug/L	98
19) Tert Butyl Alcohol	7.69	59	104941	245.85	ug/L	95
20) trans-1,2-Dichloroethene	8.02	61	187343	28.04	ug/L	95
21) Acrylonitrile	8.08	53	142463	119.09	ug/L	98
22) Methyl Tert Butyl Ether	7.92	73	395270	26.11	ug/L	98
23) Hexane	8.19	57	88389	23.94	ug/L	89
24) 1,1-Dichloroethane	8.59	63	228340	27.05	ug/L	96
25) Vinyl acetate	8.51	43	1144352	107.97	ug/L	99
26) Di-isopropyl ether	8.43	45	406211	24.59	ug/L	98
27) Chloroprene	8.65	53	234022	29.90	uL/L	96
28) Ethyl tert-butyl ether	8.87	59	428716	26.42	ug/L	100
29) 2,2-Dichloropropane	9.28	77	148638	21.33	ug/L	99
30) cis-1,2-Dichloroethene	9.30	96	153937	26.50	ug/L	92
31) Ethyl Acetate	9.18	43	700010	122.41	uL/L	99
32) 2-Butanone	9.18	43	700010	122.41	ug/L	100
33) Propionitrile	9.43	54	115881	264.89	uL/L	97
34) Methacrylonitrile	9.58	41	710499	184.90	uL/L	92
35) Bromochloromethane	9.62	128	78319	27.24	ug/L	95

(#) = qualifier out of range (m) = manual integration
F020634.D VF3547AP9G.M Fri Oct 09 11:52:28 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020634.D Vial: 32
Acq On : 9 Oct 2009 12:43 am Operator: AnjanaP
Sample : t39169-1msd Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	Chloroform	9.63	83	299439	26.76 ug/L		99
37)	Tetrahydrofuran	9.18	42	64610	25.07 ug/L		96
38)	1,1,1-Trichloroethane	9.89	97	254166	26.35 ug/L		98
40)	Cyclohexane	9.91	56	152104	26.21 ug/L		95
41)	Isobutyl Alcohol	9.99	43	66892	936.59 uL/L		85
42)	n-Butyl Alcohol	10.79	56	40505	945.00 ug/L		85
43)	1,1-Dichloropropene	10.07	75	196356	27.33 ug/L		95
44)	Carbon Tetrachloride	10.07	117	228840	27.23 ug/L		96
46)	Benzene	10.35	78	458860	27.34 ug/L		98
47)	1,2-Dichloroethane	10.42	62	250564	25.72 ug/L		99
48)	tert-amyl methyl ether	10.29	73	399579	26.14 ug/L		98
49)	Trichloroethene	11.09	95	152016	26.44 ug/L		99
50)	Methylcyclohexane	11.29	83	131783	24.37 ug/L		98
51)	Methyl Methacrylate	11.35	41	114379	25.51 uL/L		97
52)	1,2-Dichloropropane	11.45	63	106773	25.85 ug/L		97
53)	Dibromomethane	11.64	93	104262	26.21 ug/L		97
54)	1,4-Dioxane	11.54	88	20683	498.69 ug/L		91
55)	Bromodichloromethane	11.74	83	232624	24.09 ug/L		98
56)	2-Nitropropane	12.08	41	251175	123.25 ug/L		97
57)	2-Chloroethyl vinyl ether	12.24	63	151134	71.08 ug/L	#	13
58)	1-Bromo-2-Chloroethane	12.24	63	151134	25.05 uL/L		100
59)	4-Methyl-2-pentanone	12.36	43	520067	130.29 ug/L		99
60)	cis-1,3-Dichloropropene	12.29	75	226261	25.08 ug/L		98
63)	Toluene	12.70	91	525203	25.19 ug/L		98
64)	Ethyl Methacrylate	12.87	69	153504	23.09 uL/:		97
65)	trans-1,3-Dichloropropene	13.00	75	228100	25.22 ug/L		94
66)	1,1,2-Trichloroethane	13.28	83	96958	24.84 ug/L		97
67)	Tetrachloroethene	13.43	166	163258	24.91 ug/L		97
68)	2-hexanone	13.44	43	355265	118.80 ug/L		97
69)	1,3-Dichloropropane	13.53	76	213542	24.34 ug/L		95
70)	Dibromochloromethane	13.85	129	165766	24.64 ug/L		97
71)	1,2-Dibromoethane	14.09	107	136919	24.98 ug/L		96
72)	1-Chlorohexane	14.42	91	172760	23.63 ug/L		93
73)	Chlorobenzene	14.67	112	341131	24.66 ug/L		98
74)	1,1,1,2-Tetrachloroethane	14.74	131	148438	24.81 ug/L		97
75)	Ethylbenzene	14.68	91	629771	24.26 ug/L		100
76)	m,p-Xylene	14.82	91	990372	49.58 ug/L		99
77)	o-Xylene	15.41	91	511787	24.63 ug/L		97
78)	Styrene	15.43	104	345619	23.39 ug/L		94
79)	Bromoform	15.84	173	111308	23.25 ug/L		98
81)	Isopropylbenzene	15.84	105	494302	24.68 ug/L		99
82)	Cyclohexanone	16.17	55	14721	89.08 ug/L	#	12
84)	Bromobenzene	16.45	156	174551	24.38 ug/L		99
85)	1,1,2,2-Tetrachloroethane	16.32	83	124138	22.68 ug/L		97
86)	Trans-1,4-Dichloro-2-Buten	16.39	53	41892	20.67 ug/L	#	93
87)	1,2,3-Trichloropropane	16.45	110	44488	21.32 ug/L		94
88)	n-Propylbenzene	16.39	91	630276	22.96 ug/L		99
89)	2-Chlorotoluene	16.63	91	473408	23.20 ug/L		100
90)	4-Chlorotoluene	16.78	91	441715	23.18 ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020634.D Vial: 32
Acq On : 9 Oct 2009 12:43 am Operator: AnjanaP
Sample : t39169-1msd Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:19 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

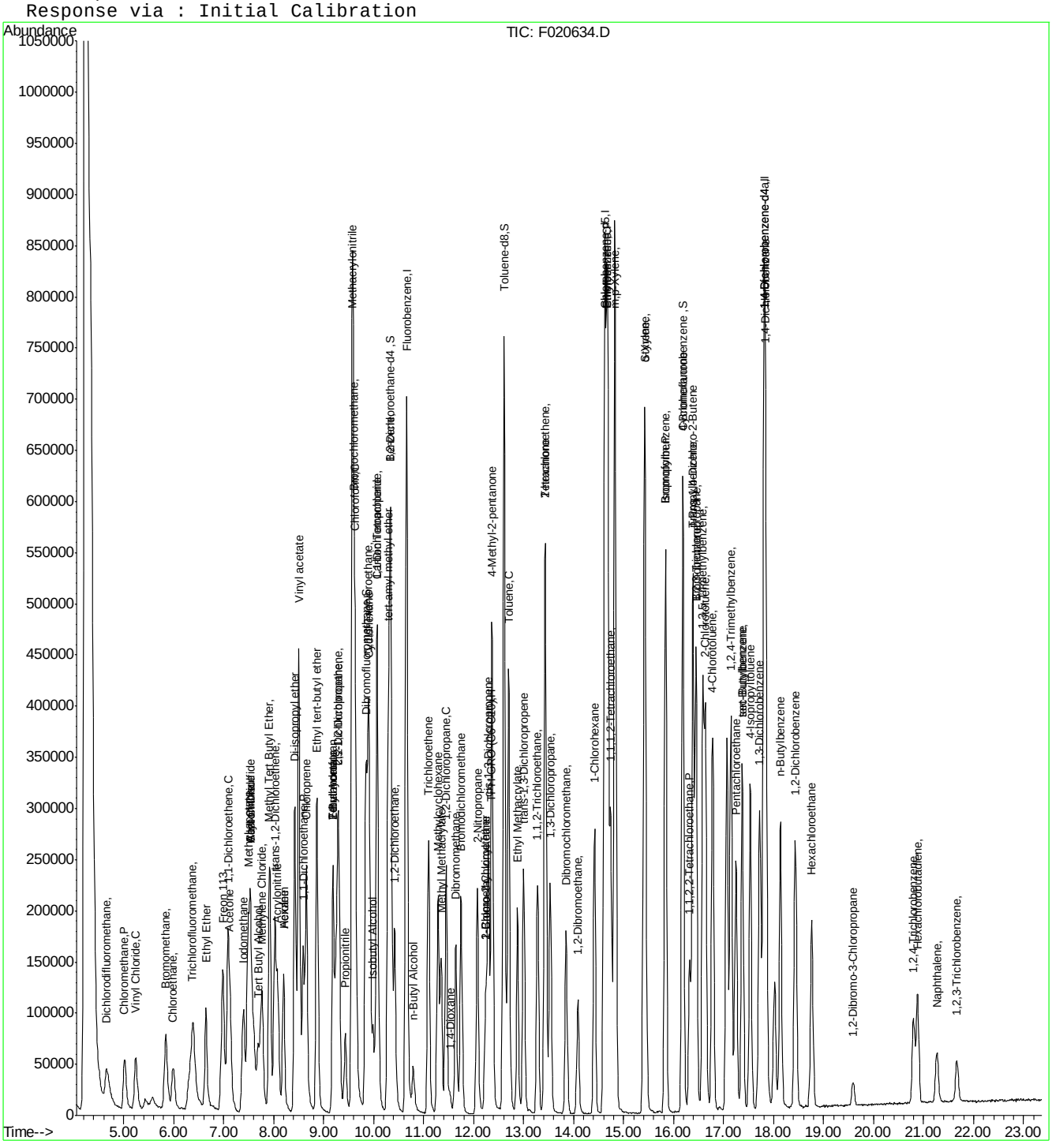
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.58	105	412845	22.73	ug/L	99
92)	Pentachloroethane	17.25	167	101057	21.88	uL/L	98
93)	sec-Butylbenzene	17.37	105	445421	22.23	ug/L	99
94)	1,3-Dichlorobenzene	17.73	146	265521	23.75	ug/L	98
95)	4-Isopropyltoluene	17.53	119	362290	22.24	ug/L	97
96)	1,4-Dichlorobenzene	17.84	146	275226	23.89	ug/L	95
97)	tert-Butylbenzene	17.37	91	80188	22.81	ug/L	92
98)	n-Butylbenzene	18.14	91	326681	20.72	ug/L	99
99)	1,2-Dichlorobenzene	18.43	146	240389	22.91	ug/L	96
100)	1,2,4-Trimethylbenzene	17.15	105	433225	22.31	ug/L	97
101)	Hexachloroethane	18.76	119	83588	21.66	uL/L	95
102)	1,2-Dibromo-3-Chloropropan	19.59	75	15074	14.51	ug/L	94
103)	1,2,4-Trichlorobenzene	20.80	180	66104	11.11	ug/L	96
104)	Hexachlorobutadiene	20.88	225	48180	18.43	ug/L	96
105)	Naphthalene	21.27	128	98025	11.36	ug/L	99
106)	1,2,3-Trichlorobenzene	21.66	180	33756	9.74	ug/L	97
108)	TPH-GRO (C6-C10)	12.34	TIC	47540756m	1810.60	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F020634.D VF3547AP9G.M Fri Oct 09 11:52:28 2009

Quantitation Report (QT Reviewed)

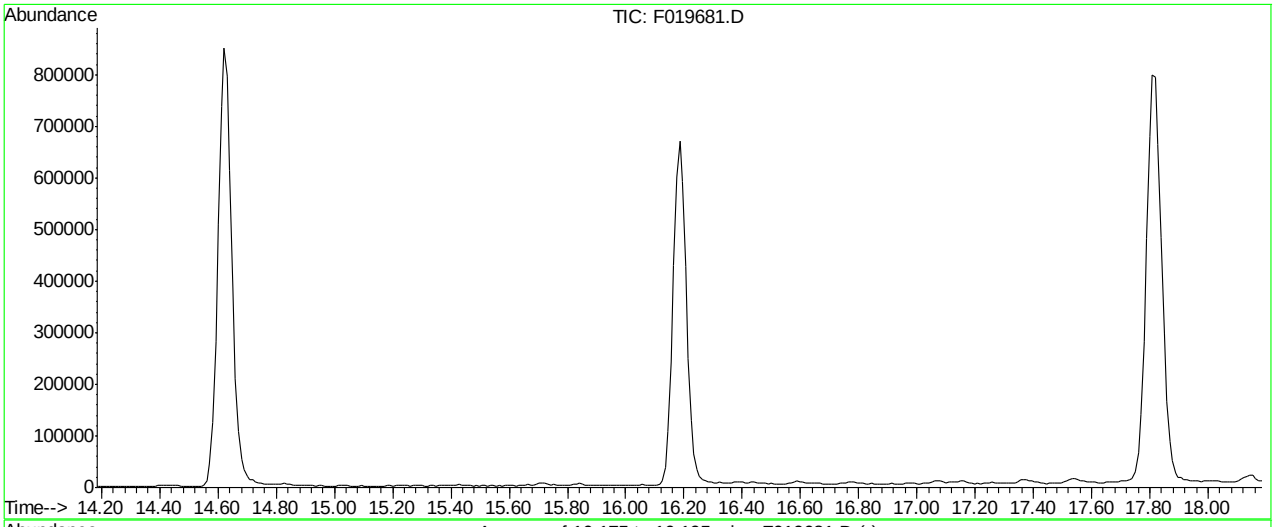
Data File : C:\MSDCHEM\2\DATA\VF3593\F020634.D Vial: 32
Acq On : 9 Oct 2009 12:43 am Operator: AnjanaP
Sample : t39169-1msd Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:44 2009 Quant Results File: VF3547AP9G.RES

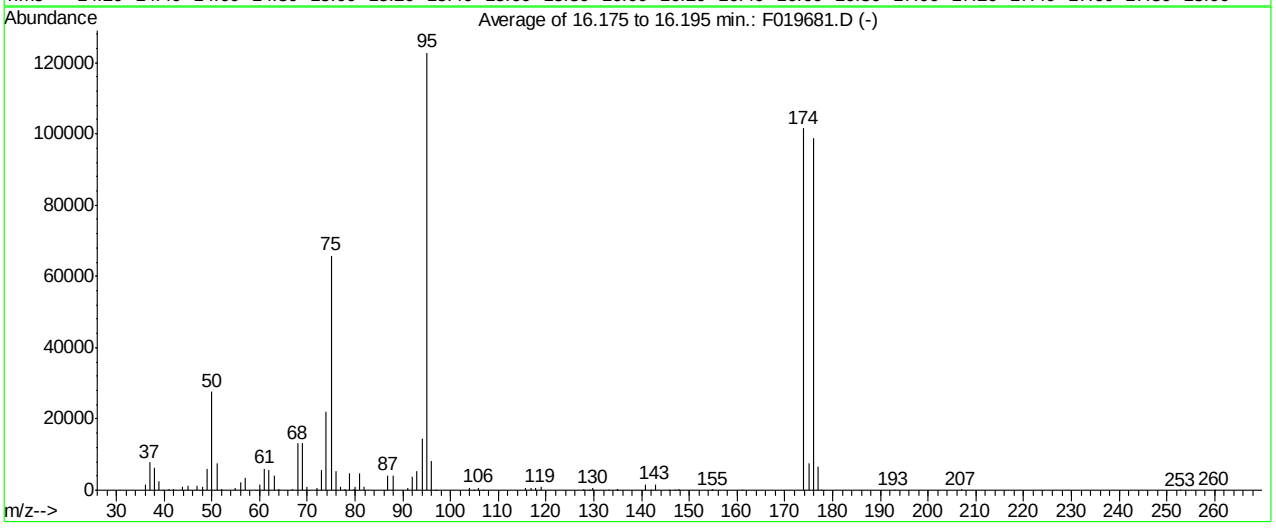
Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\VF3548\F019681.D Vial: 5
Acq On : 14 Sep 2009 11:58 am Operator: AnjanaP
Sample : bfb Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624





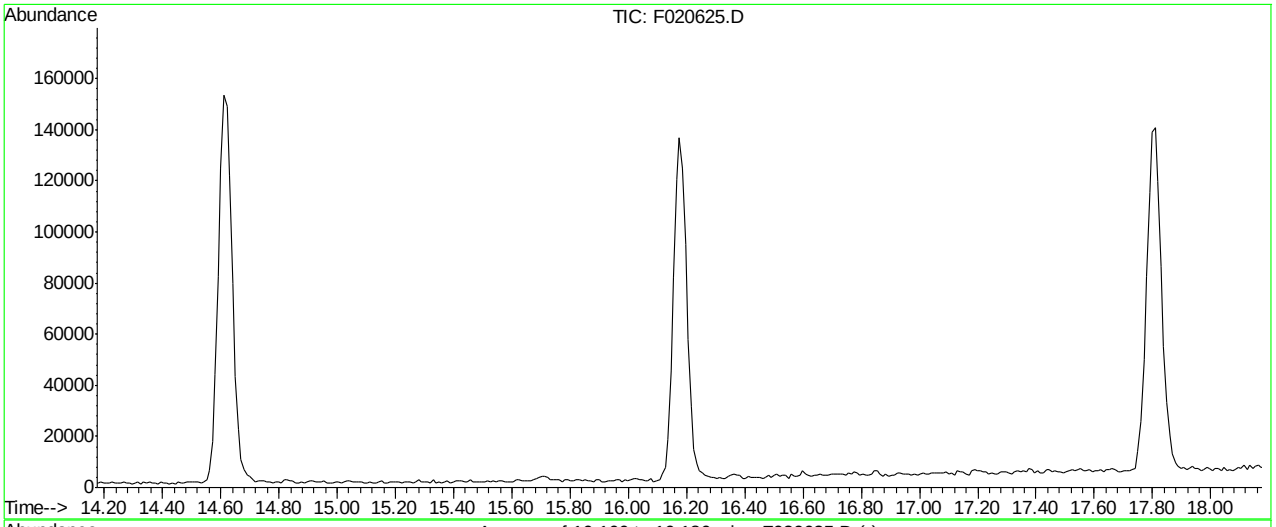
AutoFind: Scans 1233, 1234, 1235; Background Corrected with Scan 1224

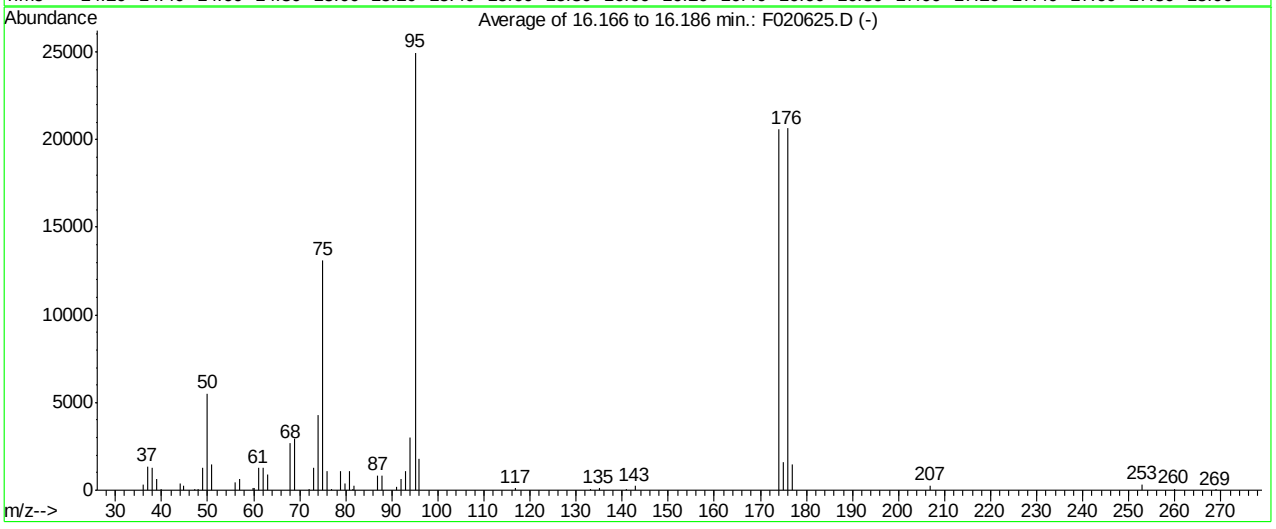
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	27589	PASS
75	95	30	60	53.6	65813	PASS
95	95	100	100	100.0	122850	PASS
96	95	5	9	6.8	8327	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.7	101570	PASS
175	174	5	9	7.5	7649	PASS
176	174	95	101	97.1	98674	PASS
177	176	5	9	6.7	6644	PASS

F019681.D VF3547.M Tue Sep 15 09:55:18 2009

Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\VF3593\F020625.D Vial: 23
Acq On : 8 Oct 2009 8:12 pm Operator: AnjanaP
Sample : bfb Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624





AutoFind: Scans 1232, 1233, 1234; Background Corrected with Scan 1224

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	5525	PASS
75	95	30	60	52.6	13132	PASS
95	95	100	100	100.0	24970	PASS
96	95	5	9	7.2	1787	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.4	20570	PASS
175	174	5	9	7.9	1619	PASS
176	174	95	101	100.3	20634	PASS
177	176	5	9	7.1	1464	PASS

F020625.D VF3547AP9G.M Fri Oct 09 11:54:04 2009

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	956208	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.63	117	697608	50.00	ug/L	-0.01
71) 1,4-Dichlorobenzene-d4	17.81	152	394454	50.00	ug/L	-0.01
96) 1,4-Dichlorobenzene-d4a	17.81	152	394454	50.00	ug/kg	-0.01

System Monitoring Compounds						
33) Dibromofluoromethane	9.85	113	6329	1.06	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 2.12%#			
38) 1,2-Dichloroethane-d4	10.34	65	9407	1.12	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 2.24%#			
54) Toluene-d8	12.62	98	20214	1.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 2.54%#			
74) 4-Bromofluorobenzene	16.19	95	10654	1.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 2.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.70	85	5573	0.84	ug/L	92
3) Chloromethane	5.04	50	6800	1.03	ug/L	93
4) Vinyl Chloride	5.29	62	4453	0.83	ug/L #	44
5) Bromomethane	5.88	94	4656	1.29	ug/L	87
6) Chloroethane	6.02	64	3011	1.14	ug/L	73
7) Trichlorofluoromethane	6.36	101	9437	1.10	ug/L	81
8) Acrolein	8.21	56	2060	5.29	ug/L	59
9) Ethyl Ether	6.67	59	3720	1.06	ug/L	88
10) 1,1-Dichloroethene	7.10	61	6980	1.03	ug/L	95
11) Freon 113	6.97	101	3967	0.94	ug/L	88
12) Acetone	7.15	43	16378	12.10	ug/L	82
13) Iodomethane	7.41	142	7314	0.89	ug/L #	91
14) Methyl acetate	7.50	43	20795	7.54	ug/L	90
15) Carbon Disulfide	7.54	76	13743	1.04	ug/L	96
16) Methylene Chloride	7.78	49	9543	1.62	ug/L	84
17) Tert Butyl Alcohol	7.69	59	4649	11.24	ug/L	70
18) trans-1,2-Dichloroethene	8.04	61	6217	0.96	ug/L	86
19) Acrylonitrile	8.09	53	5791	5.52	ug/L	91
20) Methyl Tert Butyl Ether	7.92	73	15482	1.05	ug/L	93
21) Hexane	8.22	57	3470	1.10	ug/L	78
22) 1,1-Dichloroethane	8.60	63	7844	0.95	ug/L	97
23) Vinyl acetate	8.43	43	8397	5.80	ug/L	89
24) Di-isopropyl ether	8.43	45	17043	1.09	ug/L	93
25) Ethyl tert-butyl ether	8.87	59	15836	0.98	ug/L	94
26) 2,2-Dichloropropane	9.28	77	7239	1.07	ug/L	92
27) cis-1,2-Dichloroethene	9.31	96	5498	0.97	ug/L	96
28) 2-Butanone	9.20	43	21865	3.87	ug/L	100
29) Bromochloromethane	9.64	128	2400	0.82	ug/L	88
30) Chloroform	9.64	83	10452	0.93	ug/L	92
31) Tetrahydrofuran	9.20	42	3341	1.21	ug/L	75
32) 1,1,1-Trichloroethane	9.90	97	9311	0.97	ug/L	95
34) Cyclohexane	9.92	56	5124	0.99	ug/L	88
35) n-Butyl Alcohol	9.91	43	309	6.86	ug/L #	1
36) 1,1-Dichloropropene	10.07	75	6645	0.97	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	8163	0.99	ug/L		95
39)	Benzene	10.36	78	15506	0.99	ug/L		98
40)	1,2-Dichloroethane	10.42	62	9792	1.01	ug/L		94
41)	tert-amyl methyl ether	10.31	73	15768	1.09	ug/L		86
42)	Trichloroethene	11.10	95	10733	1.94	ug/L		98
43)	Methylcyclohexane	11.29	83	4948	1.03	ug/L		95
44)	1,2-Dichloropropane	11.46	63	3850	1.00	ug/L		87
45)	Dibromomethane	11.65	93	3620	0.92	ug/L		93
47)	Bromodichloromethane	11.75	83	9855	1.04	ug/L		97
48)	2-Nitropropane	12.08	41	10680	5.40	ug/L		91
49)	2-Chloroethyl vinyl ether	12.01	63	9868	4.70	ug/L		84
50)	1-Bromo-2-Chloroethane	12.25	63	5967	1.06	uL/L		94
51)	4-Methyl-2-pentanone	12.38	43	21101	5.74	ug/L		96
52)	cis-1,3-Dichloropropene	12.30	75	8656	0.99	ug/L		96
55)	Toluene	12.71	91	19583	1.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	8212	0.98	ug/L		89
57)	1,1,2-Trichloroethane	13.29	83	3637	1.06	ug/L		93
58)	Tetrachloroethene	13.43	166	6155	1.09	ug/L		90
59)	2-hexanone	13.44	43	14675	5.48	ug/L		97
60)	1,3-Dichloropropane	13.54	76	8286	1.07	ug/L		88
61)	Dibromochloromethane	13.87	129	5946	0.94	ug/L		93
62)	1,2-Dibromoethane	14.09	107	4835	0.98	ug/L		83
63)	1-Chlorohexane	14.43	91	6754	1.04	ug/L		91
64)	Chlorobenzene	14.68	112	13385	1.08	ug/L		97
65)	1,1,1,2-Tetrachloroethane	14.75	131	5410	0.97	ug/L	#	70
66)	Ethylbenzene	14.68	91	25295	1.08	ug/L		92
67)	m,p-Xylene	14.83	91	37073	2.03	ug/L		98
68)	o-Xylene	15.41	91	19304	1.01	ug/L		99
69)	Styrene	15.44	104	12803	0.93	ug/L		96
70)	Bromoform	15.84	173	4214	0.92	ug/L		92
72)	Isopropylbenzene	15.85	105	17798	1.04	ug/L		94
73)	Cyclohexanone	16.16	55	544	3.78	ug/L	#	27
75)	Bromobenzene	16.46	156	6422	1.04	ug/L		91
76)	1,1,2,2-Tetrachloroethane	16.33	83	5303	1.13	ug/L		83
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	1873	0.98	ug/L	#	87
78)	1,2,3-Trichloropropane	16.46	110	2029	1.12	ug/L		75
79)	n-Propylbenzene	16.39	91	25454	1.08	ug/L		100
80)	2-Chlorotoluene	16.64	91	20035	1.15	ug/L		96
81)	4-Chlorotoluene	16.79	91	18670	1.14	ug/L		92
82)	1,3,5-Trimethylbenzene	16.59	105	16231	1.03	ug/L		96
83)	sec-Butylbenzene	17.38	105	19271	1.12	ug/L		99
84)	1,3-Dichlorobenzene	17.73	146	9900	1.00	ug/L		90
85)	4-Isopropyltoluene	17.54	119	15037	1.08	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	9900	0.95	ug/L		89
87)	tert-Butylbenzene	17.55	91	5185	1.66	ug/L	#	68
88)	n-Butylbenzene	18.15	91	16098	1.13	ug/L		94
89)	1,2-Dichlorobenzene	18.43	146	9891	1.02	ug/L		92
90)	1,2,4-Trimethylbenzene	17.15	105	17749	1.05	ug/L		89
91)	1,2-Dibromo-3-Chloropropan	19.59	75	1180	1.16	ug/L	#	52

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

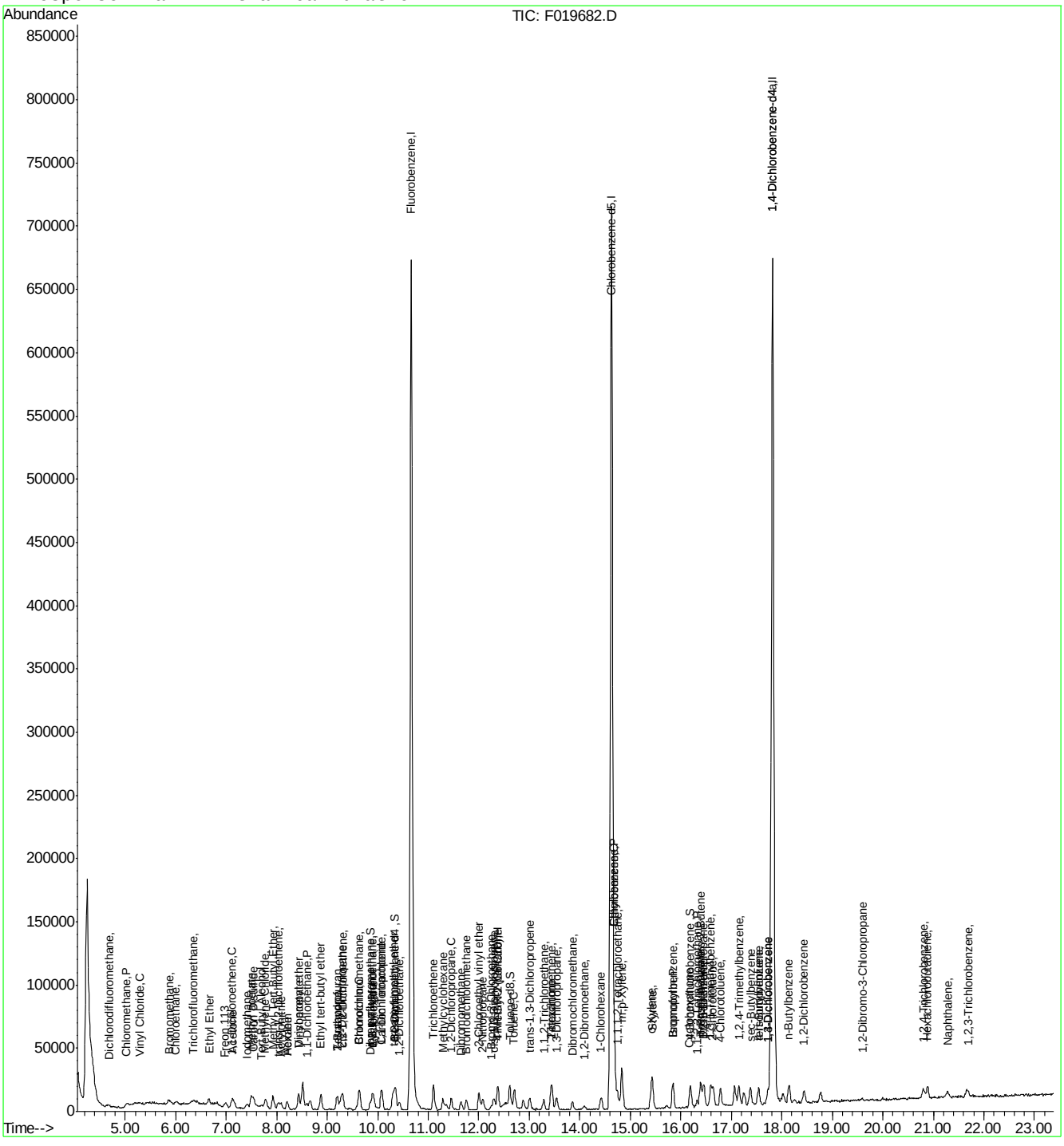
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	1,2,4-Trichlorobenzene	20.81	180	6329	1.10	ug/L	92
93)	Hexachlorobutadiene	20.88	225	4084	1.58	ug/L	94
94)	Naphthalene	21.28	128	10874	1.28	ug/L	98
95)	1,2,3-Trichlorobenzene	21.68	180	4991	1.57	ug/L	90
97)	TPH-GRO (C6-C10)	12.39	TIC	184556m	5.23	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	947288	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	695473	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	390028	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	390028	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	10997	1.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 3.60%#			
38) 1,2-Dichloroethane-d4	10.34	65	16182	1.84	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 3.68%#			
54) Toluene-d8	12.62	98	32778	1.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 3.64%#			
74) 4-Bromofluorobenzene	16.19	95	15304	1.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 3.44%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	10398	1.72	ug/L	96
3) Chloromethane	5.04	50	8884	1.34	ug/L	88
4) Vinyl Chloride	5.28	62	7538	1.59	ug/L	98
5) Bromomethane	5.87	94	8374	2.05	ug/L	86
6) Chloroethane	6.03	64	4985	1.77	ug/L	97
7) Trichlorofluoromethane	6.36	101	17233	1.93	ug/L	97
8) Acrolein	8.21	56	4442	11.19	ug/L	59
9) Ethyl Ether	6.66	59	7617	2.13	ug/L	93
10) 1,1-Dichloroethene	7.11	61	14802	2.17	ug/L	98
11) Freon 113	7.00	101	9430	2.31	ug/L	89
12) Acetone	7.16	43	22736	10.04	ug/L	98
13) Iodomethane	7.42	142	15389	2.00	ug/L	97
14) Methyl acetate	7.51	43	32239	9.41	ug/L	95
15) Carbon Disulfide	7.55	76	26918	2.02	ug/L	99
16) Methylene Chloride	7.79	49	14838	1.94	ug/L	91
17) Tert Butyl Alcohol	7.71	59	8508	19.55	ug/L	86
18) trans-1,2-Dichloroethene	8.03	61	12921	2.05	ug/L	91
19) Acrylonitrile	8.09	53	11329	10.36	ug/L	94
20) Methyl Tert Butyl Ether	7.93	73	30605	2.04	ug/L	97
21) Hexane	8.21	57	7369	2.25	ug/L	94
22) 1,1-Dichloroethane	8.61	63	16703	2.09	ug/L	92
23) Vinyl acetate	8.44	43	14233	9.19	ug/L	88
24) Di-isopropyl ether	8.44	45	30683	1.89	ug/L	98
25) Ethyl tert-butyl ether	8.88	59	30080	1.89	ug/L	92
26) 2,2-Dichloropropane	9.29	77	14488	2.09	ug/L	99
27) cis-1,2-Dichloroethene	9.31	96	11621	2.11	ug/L	94
28) 2-Butanone	9.20	43	58802	11.84	ug/L	100
29) Bromochloromethane	9.65	128	5581	2.11	ug/L	98
30) Chloroform	9.65	83	22923	2.13	ug/L	98
31) Tetrahydrofuran	9.21	42	4525	1.45	ug/L	78
32) 1,1,1-Trichloroethane	9.90	97	19652	2.10	ug/L	94
34) Cyclohexane	9.93	56	11839	2.32	ug/L	83
35) n-Butyl Alcohol	9.92	43	1980	47.24	ug/L #	28
36) 1,1-Dichloropropene	10.08	75	14123	2.11	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	16977	2.09	ug/L		98
39)	Benzene	10.36	78	32415	2.10	ug/L		87
40)	1,2-Dichloroethane	10.43	62	18959	1.96	ug/L		95
41)	tert-amyl methyl ether	10.31	73	29652	1.98	ug/L		96
42)	Trichloroethene	11.11	95	15738	1.95	ug/L		97
43)	Methylcyclohexane	11.30	83	10094	2.09	ug/L		96
44)	1,2-Dichloropropane	11.46	63	7906	2.07	ug/L		93
45)	Dibromomethane	11.65	93	7546	2.01	ug/L		82
46)	1,4-Dioxane	11.56	88	1216	29.28	ug/L	#	63
47)	Bromodichloromethane	11.76	83	18337	1.91	ug/L		96
48)	2-Nitropropane	12.09	41	21935	10.76	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	18258	9.05	ug/L		88
50)	1-Bromo-2-Chloroethane	12.25	63	11589	2.02	uL/L		100
51)	4-Methyl-2-pentanone	12.38	43	39511	10.10	ug/L		97
52)	cis-1,3-Dichloropropene	12.30	75	16922	1.96	ug/L		89
55)	Toluene	12.71	91	39063	2.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	16632	2.01	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	7295	2.07	ug/L		94
58)	Tetrachloroethene	13.43	166	12622	2.15	ug/L		96
59)	2-hexanone	13.45	43	28082	10.03	ug/L		98
60)	1,3-Dichloropropane	13.54	76	16463	2.06	ug/L		91
61)	Dibromochloromethane	13.86	129	12213	1.99	ug/L		96
62)	1,2-Dibromoethane	14.09	107	10279	2.11	ug/L		93
63)	1-Chlorohexane	14.43	91	13749	2.08	ug/L		93
64)	Chlorobenzene	14.67	112	25180	1.96	ug/L		89
65)	1,1,1,2-Tetrachloroethane	14.75	131	11592	2.11	ug/L		85
66)	Ethylbenzene	14.68	91	50842	2.10	ug/L		98
67)	m,p-Xylene	14.83	91	77707	4.23	ug/L		93
68)	o-Xylene	15.42	91	40204	2.10	ug/L		94
69)	Styrene	15.45	104	26449	2.00	ug/L		95
70)	Bromoform	15.85	173	9275	2.11	ug/L		87
72)	Isopropylbenzene	15.85	105	37212	2.16	ug/L		96
73)	Cyclohexanone	16.20	55	1896	14.49	ug/L	#	71
75)	Bromobenzene	16.47	156	13766	2.21	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	10422	2.11	ug/L		93
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	3664	1.96	ug/L	#	93
78)	1,2,3-Trichloropropane	16.47	110	3958	2.09	ug/L		79
79)	n-Propylbenzene	16.40	91	51663	2.13	ug/L		98
80)	2-Chlorotoluene	16.64	91	38927	2.10	ug/L		97
81)	4-Chlorotoluene	16.79	91	36634	2.11	ug/L		99
82)	1,3,5-Trimethylbenzene	16.59	105	34365	2.17	ug/L		96
83)	sec-Butylbenzene	17.38	105	37811	2.10	ug/L		97
84)	1,3-Dichlorobenzene	17.73	146	21717	2.22	ug/L		94
85)	4-Isopropyltoluene	17.55	119	30960	2.16	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	21717	2.16	ug/L		95
87)	tert-Butylbenzene	17.39	91	8158	2.00	ug/L		91
88)	n-Butylbenzene	18.15	91	29139	1.94	ug/L		98
89)	1,2-Dichlorobenzene	18.44	146	19585	2.02	ug/L		95
90)	1,2,4-Trimethylbenzene	17.15	105	35759	2.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

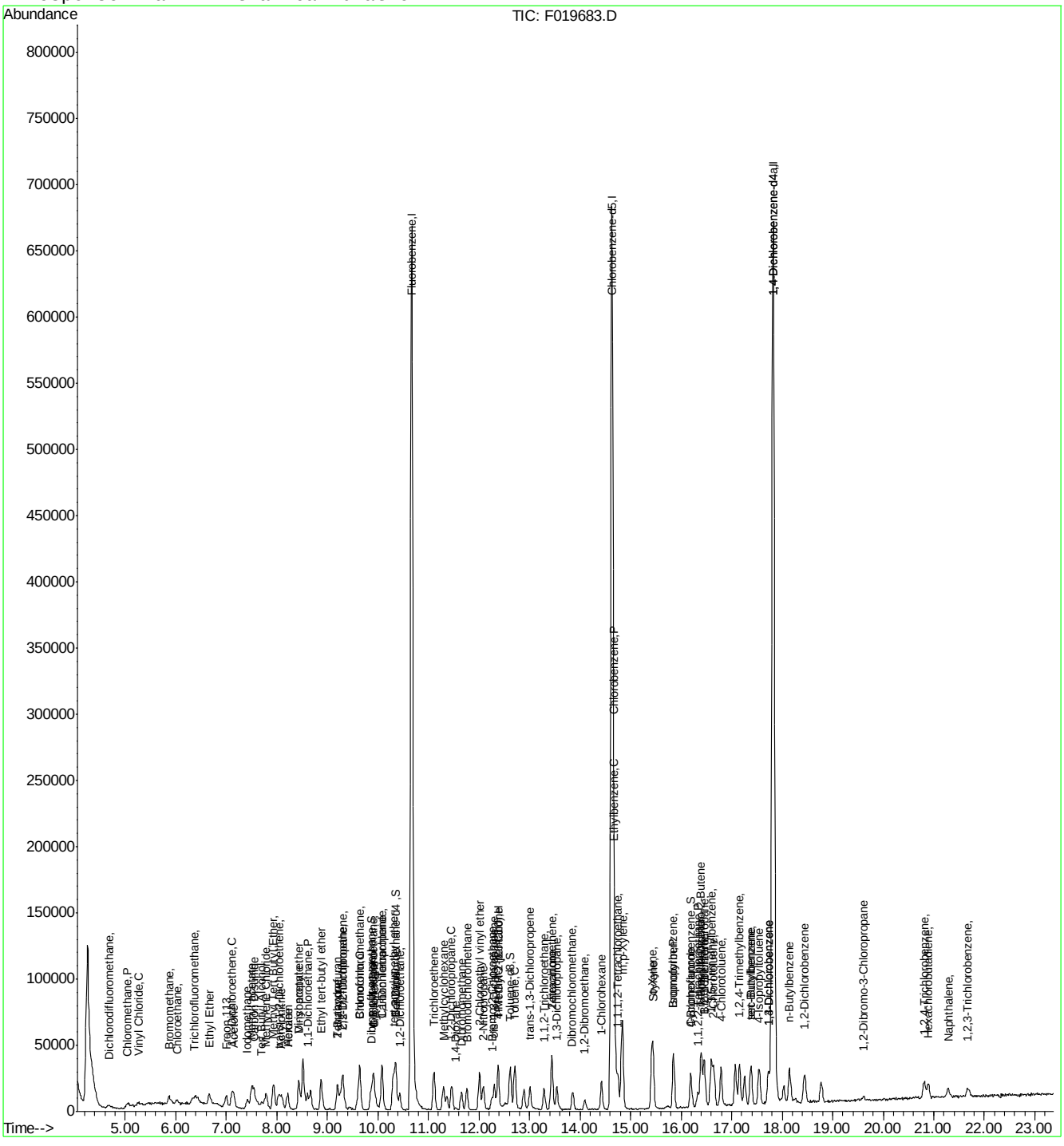
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	2425	2.24	ug/L	87
92)	1,2,4-Trichlorobenzene	20.81	180	9654	1.62	ug/L	97
93)	Hexachlorobutadiene	20.89	225	5689	1.73	ug/L	89
94)	Naphthalene	21.28	128	13984	1.46	ug/L	80
95)	1,2,3-Trichlorobenzene	21.67	180	6548	1.62	ug/L	96
97)	TPH-GRO (C6-C10)	12.39	TIC	2699442m	77.34	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.68	96	1008594	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	729549	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	410756	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	410756	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	31064	4.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 9.90%#			
38) 1,2-Dichloroethane-d4	10.35	65	45217	4.95	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 9.90%#			
54) Toluene-d8	12.63	98	89755	4.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 9.80%#			
74) 4-Bromofluorobenzene	16.20	95	39760	4.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 8.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	29821	4.85	ug/L	86
3) Chloromethane	5.05	50	23140	3.67	ug/L	96
4) Vinyl Chloride	5.28	62	21305	4.12	ug/L	88
5) Bromomethane	5.89	94	19688	4.48	ug/L	93
6) Chloroethane	6.04	64	13315	4.77	ug/L	95
7) Trichlorofluoromethane	6.36	101	44400	4.84	ug/L	97
8) Acrolein	8.22	56	11785	26.82	ug/L	82
9) Ethyl Ether	6.68	59	18019	4.63	ug/L	92
10) 1,1-Dichloroethene	7.12	61	36101	4.84	ug/L	98
11) Freon 113	7.01	101	25771	5.71	ug/L	95
12) Acetone	7.17	43	41431	22.55	ug/L	96
13) Iodomethane	7.43	142	40184	4.91	ug/L	99
14) Methyl acetate	7.51	43	73699	20.61	ug/L	98
15) Carbon Disulfide	7.55	76	72047	5.06	ug/L	92
16) Methylene Chloride	7.81	49	32591	4.05	ug/L	91
17) Tert Butyl Alcohol	7.71	59	20325	44.20	ug/L	94
18) trans-1,2-Dichloroethene	8.05	61	34084	5.04	ug/L	95
19) Acrylonitrile	8.11	53	28805	24.45	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	75043	4.67	ug/L	95
21) Hexane	8.23	57	19916	5.48	ug/L	88
22) 1,1-Dichloroethane	8.61	63	44913	5.20	ug/L	100
23) Vinyl acetate	8.45	43	37606	23.44	ug/L	90
24) Di-isopropyl ether	8.45	45	82350	4.86	ug/L	100
25) Ethyl tert-butyl ether	8.89	59	81971	4.93	ug/L	97
26) 2,2-Dichloropropane	9.30	77	39547	5.28	ug/L	94
27) cis-1,2-Dichloroethene	9.32	96	29452	4.93	ug/L	94
28) 2-Butanone	9.20	43	149763	26.69	ug/L	100
29) Bromochloromethane	9.64	128	14392	5.02	ug/L	92
30) Chloroform	9.66	83	57840	4.94	ug/L	98
31) Tetrahydrofuran	9.20	42	8848	3.10	ug/L	87
32) 1,1,1-Trichloroethane	9.91	97	50661	5.00	ug/L	95
34) Cyclohexane	9.93	56	29168	5.09	ug/L	94
35) n-Butyl Alcohol	9.92	43	3818	71.44	ug/L #	18
36) 1,1-Dichloropropene	10.09	75	37240	5.13	ug/L	99

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Carbon Tetrachloride	10.09	117	44794	5.11	ug/L		96
39) Benzene	10.37	78	86060	5.14	ug/L		97
40) 1,2-Dichloroethane	10.43	62	52070	5.10	ug/L		96
41) tert-amyl methyl ether	10.31	73	76052	4.78	ug/L		95
42) Trichloroethene	11.12	95	33956	3.99	ug/L		97
43) Methylcyclohexane	11.31	83	29121	5.57	ug/L		98
44) 1,2-Dichloropropane	11.48	63	20582	5.00	ug/L		92
45) Dibromomethane	11.65	93	21073	5.27	ug/L		94
46) 1,4-Dioxane	11.54	88	3921	98.57	ug/L		88
47) Bromodichloromethane	11.77	83	50417	5.02	ug/L		89
48) 2-Nitropropane	12.10	41	52088	23.41	ug/L		91
49) 2-Chloroethyl vinyl ether	12.02	63	47068	22.63	ug/L		99
50) 1-Bromo-2-Chloroethane	12.25	63	29153	4.76	uL/L		98
51) 4-Methyl-2-pentanone	12.38	43	97447	23.32	ug/L		98
52) cis-1,3-Dichloropropene	12.30	75	44008	4.82	ug/L		97
55) Toluene	12.72	91	100714	5.03	ug/L		98
56) trans-1,3-Dichloropropene	13.02	75	42958	4.94	ug/L		97
57) 1,1,2-Trichloroethane	13.30	83	18471	4.93	ug/L		96
58) Tetrachloroethene	13.44	166	32598	5.16	ug/L		98
59) 2-hexanone	13.46	43	67208	22.86	ug/L		99
60) 1,3-Dichloropropane	13.54	76	41077	4.86	ug/L		91
61) Dibromochloromethane	13.87	129	32217	5.02	ug/L		91
62) 1,2-Dibromoethane	14.10	107	25682	4.93	ug/L		89
63) 1-Chlorohexane	14.43	91	33997	4.84	ug/L		93
64) Chlorobenzene	14.69	112	65799	4.91	ug/L		96
65) 1,1,1,2-Tetrachloroethane	14.76	131	29707	5.07	ug/L		95
66) Ethylbenzene	14.69	91	125709	4.86	ug/L		97
67) m,p-Xylene	14.84	91	195713	9.97	ug/L		99
68) o-Xylene	15.42	91	100092	4.90	ug/L		98
69) Styrene	15.45	104	69831	5.03	ug/L		96
70) Bromoform	15.86	173	21839	4.65	ug/L		97
72) Isopropylbenzene	15.86	105	95203	5.11	ug/L		100
73) Cyclohexanone	16.19	55	4002	25.78	ug/L	#	77
75) Bromobenzene	16.47	156	33679	4.96	ug/L		94
76) 1,1,2,2-Tetrachloroethane	16.34	83	24048	4.54	ug/L		93
77) Trans-1,4-Dichloro-2-Buten	16.41	53	8874	4.54	ug/L	#	90
78) 1,2,3-Trichloropropane	16.46	110	9378	4.63	ug/L		95
79) n-Propylbenzene	16.40	91	129915	4.98	ug/L		98
80) 2-Chlorotoluene	16.65	91	98471	4.97	ug/L		97
81) 4-Chlorotoluene	16.79	91	87814	4.72	ug/L		99
82) 1,3,5-Trimethylbenzene	16.59	105	86438	5.04	ug/L		95
83) sec-Butylbenzene	17.39	105	93386	4.84	ug/L		98
84) 1,3-Dichlorobenzene	17.74	146	53052	4.97	ug/L		98
85) 4-Isopropyltoluene	17.55	119	76756	4.95	ug/L		95
86) 1,4-Dichlorobenzene	17.86	146	55913	5.15	ug/L		84
87) tert-Butylbenzene	17.39	91	18988	5.26	ug/L		93
88) n-Butylbenzene	18.15	91	72211	4.62	ug/L		99
89) 1,2-Dichlorobenzene	18.45	146	48843	4.76	ug/L		94
90) 1,2,4-Trimethylbenzene	17.16	105	93031	5.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

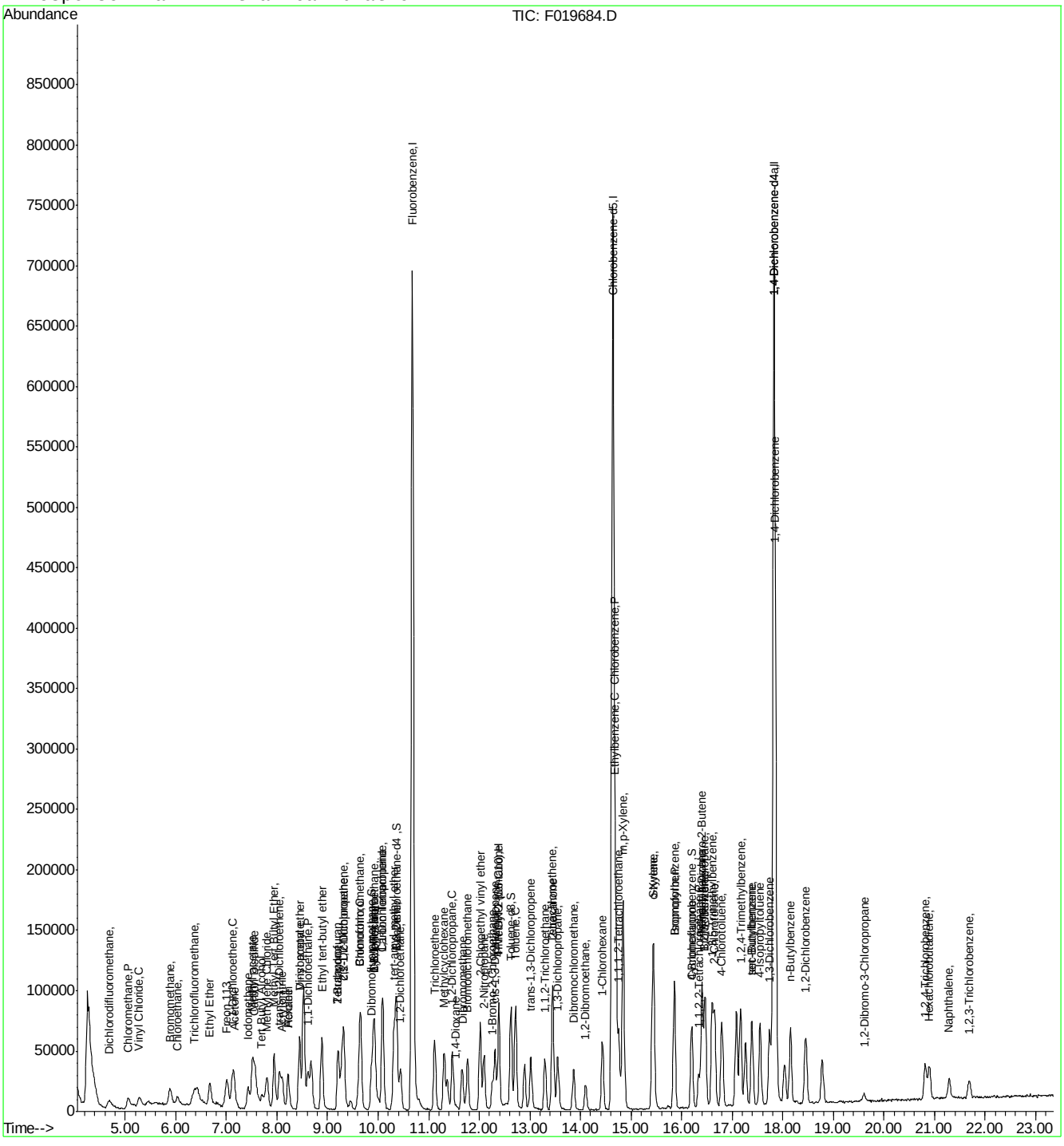
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	4739	3.99	ug/L	83
92)	1,2,4-Trichlorobenzene	20.82	180	22735	3.87	ug/L	98
93)	Hexachlorobutadiene	20.90	225	12032	3.63	ug/L	93
94)	Naphthalene	21.29	128	30446	3.32	ug/L	93
95)	1,2,3-Trichlorobenzene	21.69	180	13294	3.33	ug/L	93
97)	TPH-GRO (C6-C10)	12.39	TIC	9738984m	375.64	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	982414	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	707294	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	401382	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	401382	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	106812	17.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 35.02%#			
38) 1,2-Dichloroethane-d4	10.35	65	148375	16.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 33.44%#			
54) Toluene-d8	12.63	98	289415	16.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 32.76%#			
74) 4-Bromofluorobenzene	16.20	95	130166	15.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 30.70%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	100390	16.89	ug/L	96
3) Chloromethane	5.06	50	71796	12.53	ug/L	94
4) Vinyl Chloride	5.28	62	66013	12.48	ug/L	95
5) Bromomethane	5.88	94	63479	15.23	ug/L	93
6) Chloroethane	6.03	64	46084	17.07	ug/L	96
7) Trichlorofluoromethane	6.36	101	157594	17.84	ug/L	96
8) Acrolein	8.22	56	38236	87.74	ug/L	88
9) Ethyl Ether	6.67	59	63043	16.94	ug/L	99
10) 1,1-Dichloroethene	7.12	61	123920	17.18	ug/L	98
11) Freon 113	7.01	101	85797	19.61	ug/L	95
12) Acetone	7.16	43	122068	84.09	ug/L	96
13) Iodomethane	7.43	142	145509	18.34	ug/L	100
14) Methyl acetate	7.51	43	244928	73.55	ug/L	97
15) Carbon Disulfide	7.55	76	245809	17.66	ug/L	96
16) Methylene Chloride	7.80	49	107994	14.45	ug/L	97
17) Tert Butyl Alcohol	7.71	59	72450	166.59	ug/L	97
18) trans-1,2-Dichloroethene	8.04	61	120197	18.20	ug/L	97
19) Acrylonitrile	8.10	53	102041	89.42	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	263723	17.14	ug/L	96
21) Hexane	8.22	57	64717	17.85	ug/L	97
22) 1,1-Dichloroethane	8.61	63	146591	17.25	ug/L	99
23) Vinyl acetate	8.45	43	121689	79.10	ug/L	99
24) Di-isopropyl ether	8.45	45	279196	17.04	ug/L	98
25) Ethyl tert-butyl ether	8.89	59	287162	17.81	ug/L	99
26) 2,2-Dichloropropane	9.30	77	129113	17.46	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	104986	18.10	ug/L	94
28) 2-Butanone	9.20	43	502313	90.37	ug/L	100
29) Bromochloromethane	9.64	128	53369	19.08	ug/L	96
30) Chloroform	9.65	83	202549	17.81	ug/L	99
31) Tetrahydrofuran	9.20	42	49178	17.74	ug/L	95
32) 1,1,1-Trichloroethane	9.91	97	177308	17.97	ug/L	98
34) Cyclohexane	9.92	56	102404	18.27	ug/L	96
35) n-Butyl Alcohol	9.93	43	7905	159.60	ug/L	95
36) 1,1-Dichloropropene	10.08	75	131509	18.47	ug/L	94

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.09	117	153956	17.92	ug/L		98
39)	Benzene	10.36	78	296632	18.07	ug/L		93
40)	1,2-Dichloroethane	10.43	62	174702	17.47	ug/L		100
41)	tert-amyl methyl ether	10.31	73	264248	17.24	ug/L		100
42)	Trichloroethene	11.11	95	103308	13.13	ug/L		96
43)	Methylcyclohexane	11.31	83	95146	18.17	ug/L		99
44)	1,2-Dichloropropane	11.47	63	70640	17.62	ug/L		97
45)	Dibromomethane	11.65	93	70784	17.93	ug/L		97
46)	1,4-Dioxane	11.55	88	14565	345.03	ug/L		95
47)	Bromodichloromethane	11.76	83	168761	17.22	ug/L		98
48)	2-Nitropropane	12.09	41	187274	87.81	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	178146	90.07	ug/L		98
50)	1-Bromo-2-Chloroethane	12.25	63	101118	17.15	uL/L		97
51)	4-Methyl-2-pentanone	12.38	43	328138	81.99	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	155974	17.69	ug/L		97
55)	Toluene	12.72	91	337327	17.36	ug/L		99
56)	trans-1,3-Dichloropropene	13.01	75	148986	17.73	ug/L		99
57)	1,1,2-Trichloroethane	13.30	83	62592	17.30	ug/L		97
58)	Tetrachloroethene	13.44	166	109099	17.68	ug/L		97
59)	2-hexanone	13.45	43	236631	84.85	ug/L		98
60)	1,3-Dichloropropane	13.54	76	143044	17.57	ug/L		96
61)	Dibromochloromethane	13.87	129	111979	17.97	ug/L		100
62)	1,2-Dibromoethane	14.10	107	90639	18.02	ug/L		97
63)	1-Chlorohexane	14.43	91	115505	17.09	ug/L		92
64)	Chlorobenzene	14.68	112	224020	17.33	ug/L		98
65)	1,1,1,2-Tetrachloroethane	14.75	131	97467	17.10	ug/L		98
66)	Ethylbenzene	14.69	91	411556	16.54	ug/L		99
67)	m,p-Xylene	14.84	91	650473	34.21	ug/L		99
68)	o-Xylene	15.42	91	334597	16.97	ug/L		97
69)	Styrene	15.45	104	240347	17.83	ug/L		95
70)	Bromoform	15.85	173	79979	17.89	ug/L		96
72)	Isopropylbenzene	15.86	105	319385	17.45	ug/L		99
73)	Cyclohexanone	16.19	55	12353	83.58	ug/L		93
75)	Bromobenzene	16.47	156	116972	17.67	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.33	83	84699	16.74	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	33357	17.87	ug/L	#	98
78)	1,2,3-Trichloropropane	16.47	110	33963	17.47	ug/L		89
79)	n-Propylbenzene	16.40	91	435765	17.11	ug/L		97
80)	2-Chlorotoluene	16.65	91	320598	16.57	ug/L		99
81)	4-Chlorotoluene	16.79	91	299961	16.74	ug/L		94
82)	1,3,5-Trimethylbenzene	16.59	105	292120	17.40	ug/L		95
83)	sec-Butylbenzene	17.39	105	314828	16.84	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	179536	17.25	ug/L		99
85)	4-Isopropyltoluene	17.55	119	263530	17.43	ug/L		99
86)	1,4-Dichlorobenzene	17.86	146	189030	17.68	ug/L		97
87)	tert-Butylbenzene	17.39	91	58310	17.97	ug/L		99
88)	n-Butylbenzene	18.15	91	246188	16.42	ug/L		99
89)	1,2-Dichlorobenzene	18.44	146	166804	16.85	ug/L		97
90)	1,2,4-Trimethylbenzene	17.16	105	311686	17.34	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

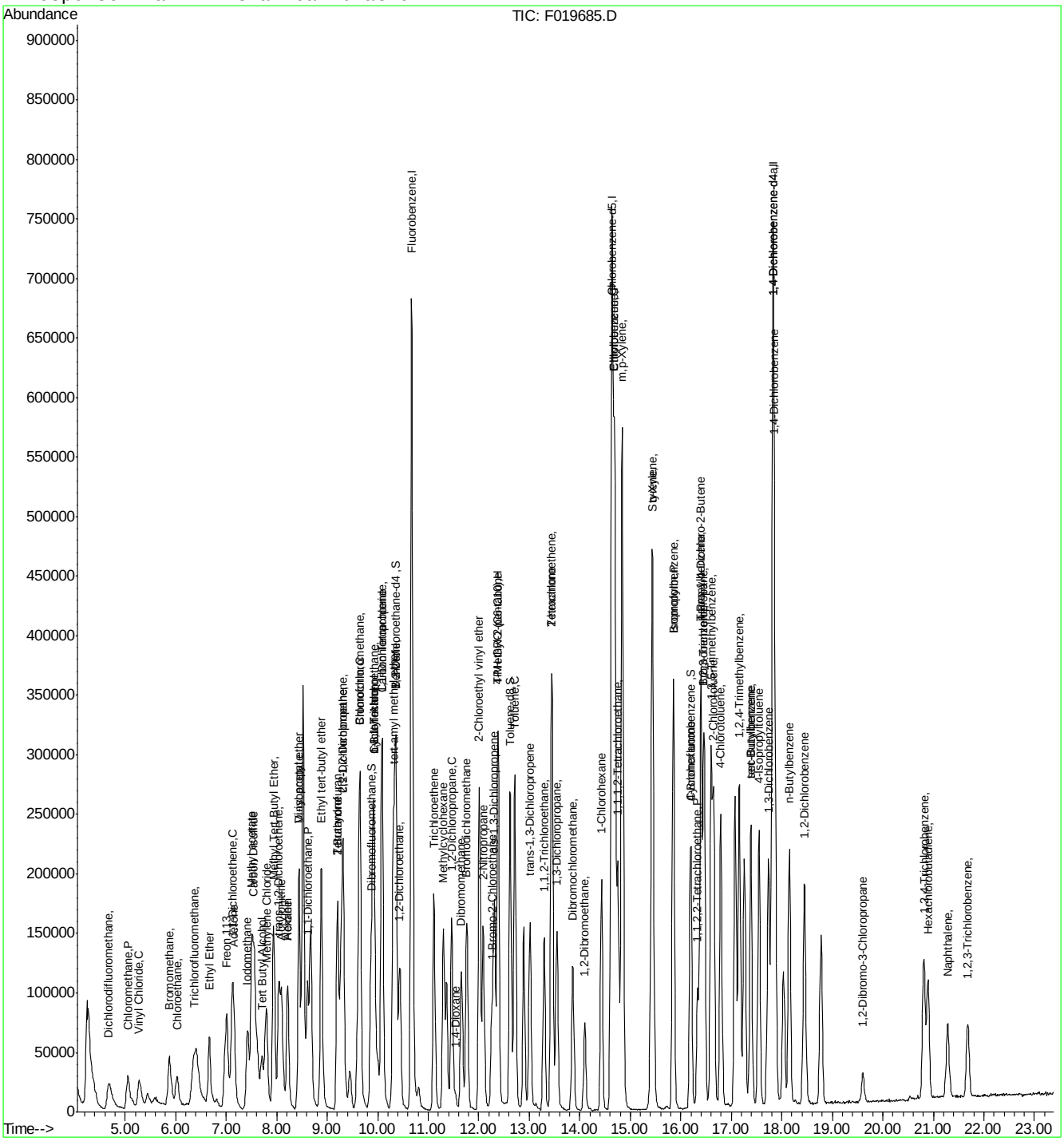
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	15869	14.40	ug/L	96
92)	1,2,4-Trichlorobenzene	20.81	180	86947	16.04	ug/L	98
93)	Hexachlorobutadiene	20.89	225	42424	14.07	ug/L	93
94)	Naphthalene	21.28	128	121677	14.82	ug/L	99
95)	1,2,3-Trichlorobenzene	21.68	180	48275	13.52	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	34546709m	1035.15	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019685.D VF3547.M Tue Sep 15 09:55:48 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	954577	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	701182	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	427426	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	427426	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	238951	42.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 84.44%			
38) 1,2-Dichloroethane-d4	10.34	65	335120	42.13	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 84.26%			
54) Toluene-d8	12.62	98	639112	38.02	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 76.04%#			
74) 4-Bromofluorobenzene	16.19	95	316247	39.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 78.50%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	266054	49.63	ug/L	100
3) Chloromethane	5.06	50	264669	55.33	ug/L	100
4) Vinyl Chloride	5.29	62	214010	53.60	ug/L	100
5) Bromomethane	5.87	94	144081	47.44	ug/L	100
6) Chloroethane	6.02	64	105128	41.24	ug/L	100
7) Trichlorofluoromethane	6.37	101	343377	41.45	ug/L	100
8) Acrolein	8.21	56	77736	187.87	ug/L	100
9) Ethyl Ether	6.67	59	140119	40.75	ug/L	100
10) 1,1-Dichloroethene	7.12	61	270698	40.47	ug/L	100
11) Freon 113	7.01	101	168400	39.16	ug/L	100
12) Acetone	7.15	43	270151	217.67	ug/L	100
13) Iodomethane	7.43	142	326886	44.08	ug/L	100
14) Methyl acetate	7.51	43	550559	200.22	ug/L	100
15) Carbon Disulfide	7.55	76	527377	40.02	ug/L	100
16) Methylene Chloride	7.79	49	234689	41.84	ug/L	100
17) Tert Butyl Alcohol	7.70	59	165114	414.56	ug/L	100
18) trans-1,2-Dichloroethene	8.05	61	259932	41.69	ug/L	100
19) Acrylonitrile	8.11	53	209357	187.55	ug/L	100
20) Methyl Tert Butyl Ether	7.94	73	589203	41.71	ug/L	100
21) Hexane	8.21	57	125799	36.52	ug/L	100
22) 1,1-Dichloroethane	8.61	63	331206	42.05	ug/L	100
23) Vinyl acetate	8.44	43	288967	207.54	ug/L	100
24) Di-isopropyl ether	8.44	45	625383	40.58	ug/L	100
25) Ethyl tert-butyl ether	8.88	59	647936	42.79	ug/L	100
26) 2,2-Dichloropropane	9.30	77	269268	41.41	ug/L	100
27) cis-1,2-Dichloroethene	9.32	96	225201	41.55	ug/L	100
28) 2-Butanone	9.21	43	1126152	211.05	ug/L	100
29) Bromochloromethane	9.64	128	117515	43.80	ug/L	100
30) Chloroform	9.65	83	450607	43.16	ug/L	100
31) Tetrahydrofuran	9.21	42	110558	47.27	ug/L	100
32) 1,1,1-Trichloroethane	9.91	97	382857	42.54	ug/L	100
34) Cyclohexane	9.93	56	207457	38.31	ug/L	100
35) n-Butyl Alcohol	9.93	43	17974	362.44	ug/L	100
36) 1,1-Dichloropropene	10.08	75	274753	40.98	ug/L	100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	328366	41.87	ug/L		100
39)	Benzene	10.36	78	627345	40.05	ug/L		100
40)	1,2-Dichloroethane	10.44	62	387366	42.62	ug/L		100
41)	tert-amyl methyl ether	10.31	73	579503	40.63	ug/L		100
42)	Trichloroethene	11.12	95	220655	41.78	ug/L		100
43)	Methylcyclohexane	11.30	83	192623	38.17	ug/L		100
44)	1,2-Dichloropropane	11.46	63	154466	40.07	ug/L		100
45)	Dibromomethane	11.66	93	157548	42.45	ug/L		100
46)	1,4-Dioxane	11.54	88	33481	865.16	ug/L		100
47)	Bromodichloromethane	11.77	83	378507	42.01	ug/L		100
48)	2-Nitropropane	12.09	41	394910	207.67	ug/L		100
49)	2-Chloroethyl vinyl ether	12.01	63	418987	211.18	ug/L		100
50)	1-Bromo-2-Chloroethane	12.26	63	224066	39.80	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	734477	197.20	ug/L		100
52)	cis-1,3-Dichloropropene	12.31	75	350871	41.68	ug/L		100
55)	Toluene	12.71	91	733307	38.99	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	337363	41.35	ug/L		100
57)	1,1,2-Trichloroethane	13.29	83	138375	39.30	ug/L		100
58)	Tetrachloroethene	13.44	166	226077	38.24	ug/L		100
59)	2-hexanone	13.45	43	538811	199.75	ug/L		100
60)	1,3-Dichloropropane	13.55	76	310231	39.19	ug/L		100
61)	Dibromochloromethane	13.86	129	255260	42.06	ug/L		100
62)	1,2-Dibromoethane	14.10	107	198888	40.22	ug/L		100
63)	1-Chlorohexane	14.43	91	261886	39.72	ug/L		100
64)	Chlorobenzene	14.68	112	499033	39.99	ug/L		100
65)	1,1,1,2-Tetrachloroethane	14.76	131	224581	41.62	ug/L		100
66)	Ethylbenzene	14.70	91	939005	40.10	ug/L		100
67)	m,p-Xylene	14.84	91	1470428	81.60	ug/L		100
68)	o-Xylene	15.43	91	770587	41.11	ug/L		100
69)	Styrene	15.45	104	552734	41.46	ug/L		100
70)	Bromoform	15.85	173	184700	42.77	ug/L		100
72)	Isopropylbenzene	15.85	105	739251	38.20	ug/L		100
73)	Cyclohexanone	16.18	55	31173	191.85	ug/L		100
75)	Bromobenzene	16.46	156	267664	38.69	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	203689	38.51	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	82619	42.19	ug/L	#	100
78)	1,2,3-Trichloropropane	16.46	110	78380	38.87	ug/L		100
79)	n-Propylbenzene	16.40	91	1023147	38.57	ug/L		100
80)	2-Chlorotoluene	16.65	91	754964	38.29	ug/L		100
81)	4-Chlorotoluene	16.79	91	710555	38.58	ug/L		100
82)	1,3,5-Trimethylbenzene	16.60	105	683562	38.94	ug/L		100
83)	sec-Butylbenzene	17.39	105	743028	38.38	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	426987	39.52	ug/L		100
85)	4-Isopropyltoluene	17.55	119	606270	38.52	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	450731	40.49	ug/L		100
87)	tert-Butylbenzene	17.39	91	135012	40.48	ug/L		100
88)	n-Butylbenzene	18.15	91	617060	40.50	ug/L		100
89)	1,2-Dichlorobenzene	18.45	146	422157	41.63	ug/L		100
90)	1,2,4-Trimethylbenzene	17.16	105	735859	39.22	ug/L		100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

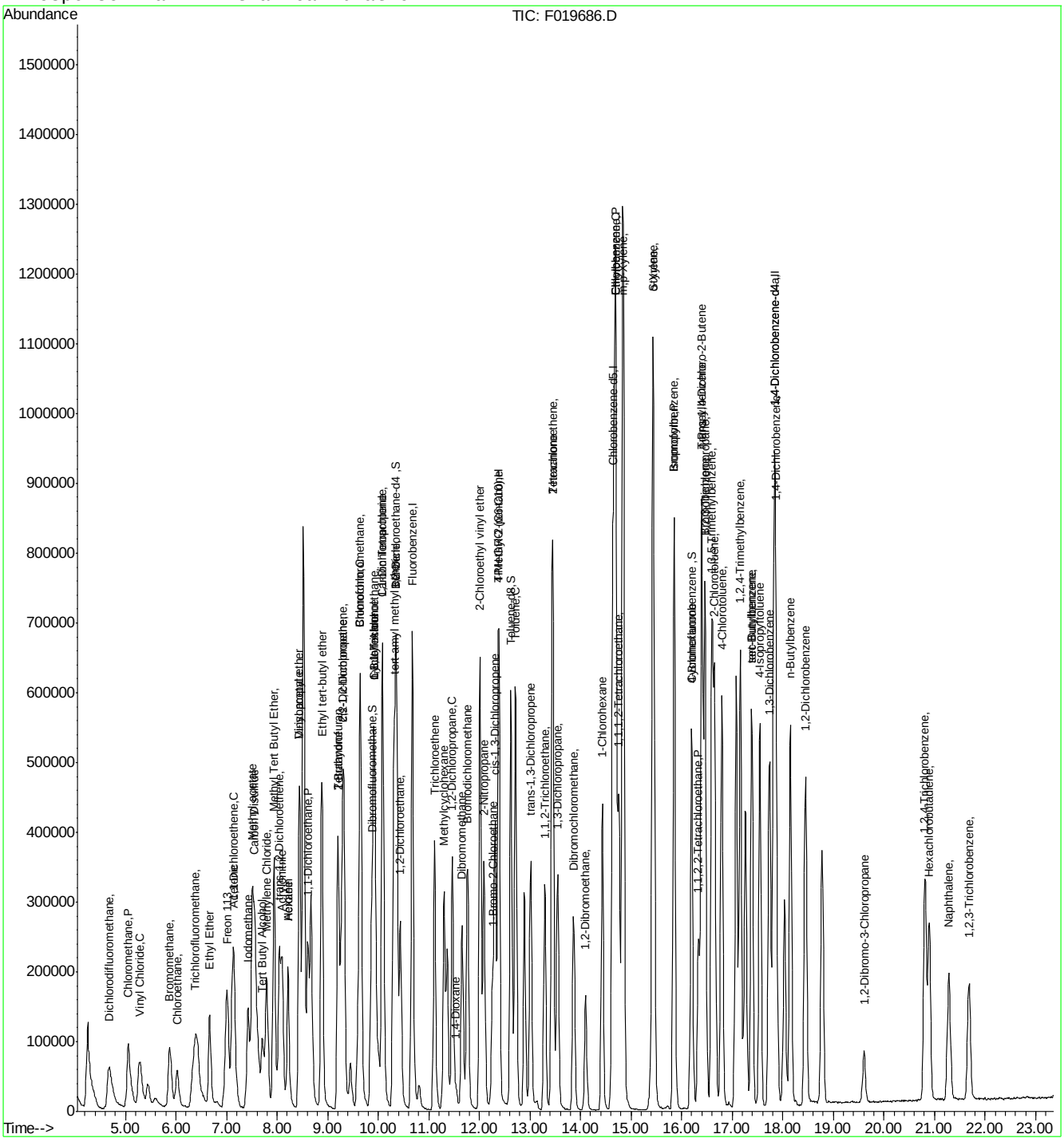
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	43953	50.61	ug/L	100
92)	1,2,4-Trichlorobenzene	20.82	180	248461	49.42	ug/L	100
93)	Hexachlorobutadiene	20.90	225	111950	49.69	ug/L	100
94)	Naphthalene	21.28	128	367955	50.16	ug/L	100
95)	1,2,3-Trichlorobenzene	21.69	180	137998	50.22	ug/L	100
97)	TPH-GRO (C6-C10)	12.39	TIC	76500698m	1791.76	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 9:01 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1439708	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1021100	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	540849	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	540849	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	807310	92.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 185.20%#			
38) 1,2-Dichloroethane-d4	10.34	65	1063847	84.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 169.20%#			
54) Toluene-d8	12.62	98	2357599	95.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 191.78%#			
74) 4-Bromofluorobenzene	16.19	95	1035681	95.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 190.16%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	713289	84.53	ug/L	99
3) Chloromethane	5.07	50	676020	87.04	ug/L	99
4) Vinyl Chloride	5.28	62	559205	73.01	ug/L	98
5) Bromomethane	5.87	94	428867	73.74	ug/L	98
6) Chloroethane	6.02	64	358141	92.25	ug/L	99
7) Trichlorofluoromethane	6.37	101	1111860	87.27	ug/L	100
8) Acrolein	8.21	56	316751	508.45	ug/L	96
9) Ethyl Ether	6.66	59	485395	91.81	ug/L	97
10) 1,1-Dichloroethene	7.12	61	943733	91.89	ug/L	99
11) Freon 113	7.01	101	591511	93.75	ug/L	96
12) Acetone	7.15	43	916749	469.37	ug/L	93
13) Iodomethane	7.43	142	1065520	93.20	ug/L	95
14) Methyl acetate	7.51	43	2089611	452.08	ug/L	99
15) Carbon Disulfide	7.55	76	1936962	97.23	ug/L	98
16) Methylene Chloride	7.79	49	837904	81.02	ug/L	97
17) Tert Butyl Alcohol	7.71	59	567512	921.23	ug/L	63
18) trans-1,2-Dichloroethene	8.05	61	910208	95.77	ug/L	97
19) Acrylonitrile	8.10	53	891951	544.90	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	1987039	90.71	ug/L	98
21) Hexane	8.21	57	518176	99.67	ug/L	92
22) 1,1-Dichloroethane	8.61	63	1116164	92.16	ug/L	97
23) Vinyl acetate	8.44	43	997670	461.82	ug/L	98
24) Di-isopropyl ether	8.44	45	2301021	98.74	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	2225120	96.26	ug/L	99
26) 2,2-Dichloropropane	9.30	77	825455	78.15	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	765941	91.84	ug/L	98
28) 2-Butanone	9.20	43	4120207	515.98	ug/L	100
29) Bromochloromethane	9.64	128	402863	99.20	ug/L	95
30) Chloroform	9.65	83	1462582	89.73	ug/L	99
31) Tetrahydrofuran	9.21	42	346654	84.06	ug/L	99
32) 1,1,1-Trichloroethane	9.91	97	1231951	86.95	ug/L	100
34) Cyclohexane	9.93	56	848602	105.12	ug/L	91
35) n-Butyl Alcohol	9.93	43	79420	1236.15	ug/L #	85
36) 1,1-Dichloropropene	10.08	75	986569	96.04	ug/L	93

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:53 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	1071023	86.87	ug/L		98
39)	Benzene	10.36	78	2409380	102.15	ug/L		94
40)	1,2-Dichloroethane	10.44	62	1253971	87.79	ug/L		98
41)	tert-amyl methyl ether	10.31	73	2101536	96.23	ug/L		96
42)	Trichloroethene	11.12	95	785129	73.10	ug/L		97
43)	Methylcyclohexane	11.30	83	795530	105.60	ug/L		98
44)	1,2-Dichloropropane	11.46	63	599569	104.52	ug/L		88
45)	Dibromomethane	11.66	93	549422	96.98	ug/L		99
46)	1,4-Dioxane	11.55	88	131960	2102.77	ug/L		94
47)	Bromodichloromethane	11.77	83	1289830	92.39	ug/L		99
48)	2-Nitropropane	12.09	41	1247322	409.05	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	1693674	596.19	ug/L		97
50)	1-Bromo-2-Chloroethane	12.26	63	881945	105.06	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	2808613	496.74	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	1308043	103.62	ug/L		92
55)	Toluene	12.72	91	2741568	100.37	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	1201341	101.31	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	524828	103.29	ug/L		95
58)	Tetrachloroethene	13.44	166	837164	96.21	ug/L		99
59)	2-hexanone	13.46	43	2024231	518.47	ug/L		95
60)	1,3-Dichloropropane	13.55	76	1176042	102.56	ug/L		92
61)	Dibromochloromethane	13.86	129	889491	100.93	ug/L		100
62)	1,2-Dibromoethane	14.10	107	739771	103.91	ug/L		98
63)	1-Chlorohexane	14.43	91	999319	105.49	ug/L		92
64)	Chlorobenzene	14.68	112	1823936	100.40	ug/L		94
65)	1,1,1,2-Tetrachloroethane	14.76	131	756339	94.65	ug/L		97
66)	Ethylbenzene	14.70	91	3287572	94.78	ug/L		98
67)	m,p-Xylene	14.85	91	5105857	191.53	ug/L		96
68)	o-Xylene	15.43	91	2681391	97.16	ug/L		97
69)	Styrene	15.45	104	2052872	107.85	ug/L		95
70)	Bromoform	15.85	173	622075	98.47	ug/L		97
72)	Isopropylbenzene	15.86	105	2602686	108.28	ug/L		98
73)	Cyclohexanone	16.18	55	108933	567.14	ug/L		92
75)	Bromobenzene	16.46	156	900545	103.35	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	707704	107.29	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	256272	104.12	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	259666	101.72	ug/L		90
79)	n-Propylbenzene	16.40	91	3495623	104.87	ug/L		100
80)	2-Chlorotoluene	16.65	91	2485836	98.74	ug/L		98
81)	4-Chlorotoluene	16.79	91	2358816	100.97	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	2301625	104.48	ug/L		100
83)	sec-Butylbenzene	17.40	105	2537476	104.04	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	1406651	103.12	ug/L		98
85)	4-Isopropyltoluene	17.55	119	2054969	103.55	ug/L		99
86)	1,4-Dichlorobenzene	17.87	146	1438104	102.21	ug/L		99
87)	tert-Butylbenzene	17.39	91	430884	103.50	ug/L		96
88)	n-Butylbenzene	18.15	91	1930950	99.13	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	1289612	99.82	ug/L		97
90)	1,2,4-Trimethylbenzene	17.17	105	2464214	104.50	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:54 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

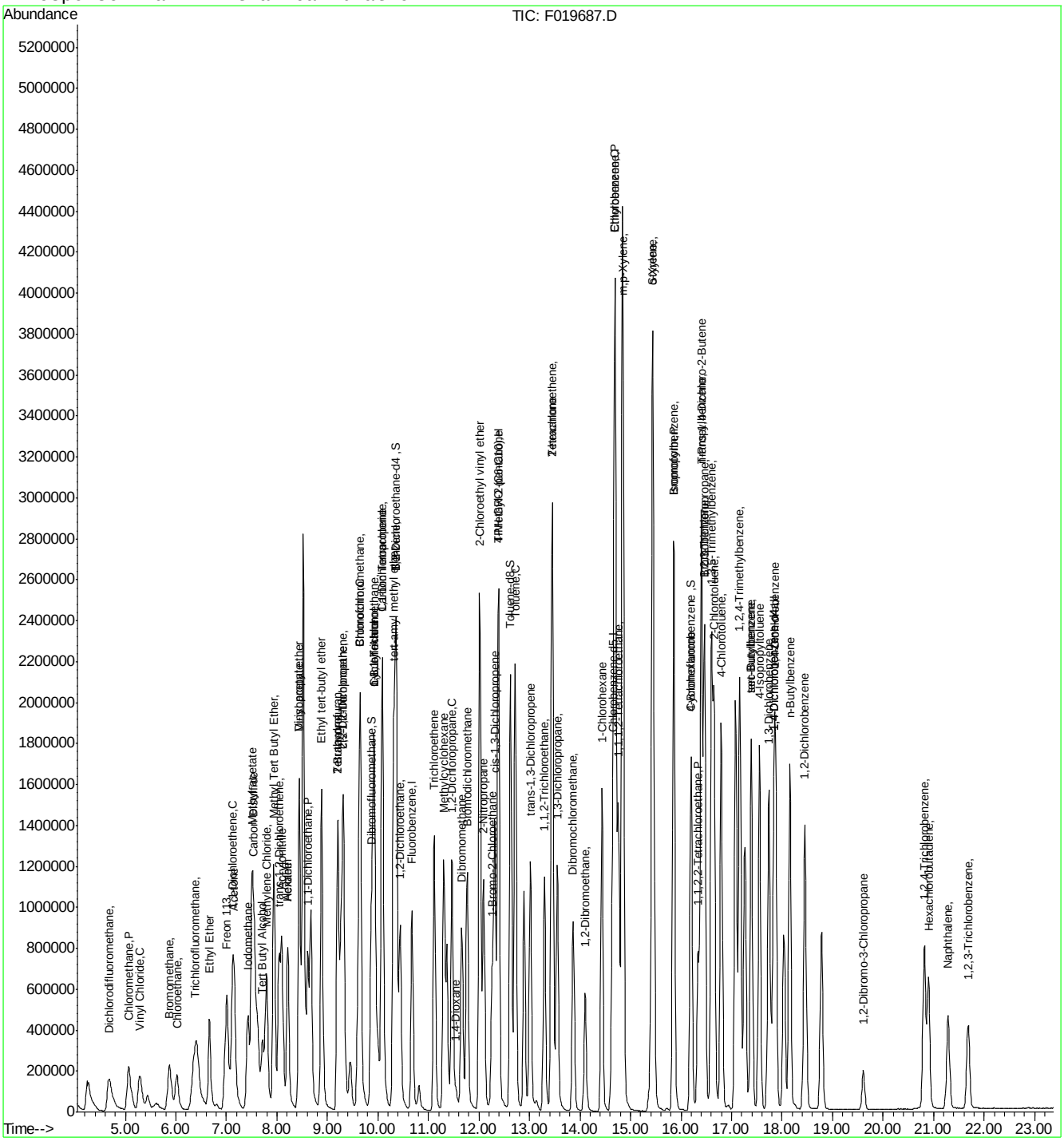
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	108606	77.50	ug/L	85
92)	1,2,4-Trichlorobenzene	20.82	180	634056	90.38	ug/L	98
93)	Hexachlorobutadiene	20.90	225	288330	75.43	ug/L	96
94)	Naphthalene	21.28	128	927652	88.41	ug/L	98
95)	1,2,3-Trichlorobenzene	21.69	180	343273	76.28	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	262314999m	5167.96	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

F019688.D

Manual Integrations APPROVED (compounds with "m" flag)

Jennifer Laidlaw 09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1476971	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1025997	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	548707	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	548707	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	1659796	187.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 375.80%#			
38) 1,2-Dichloroethane-d4	10.34	65	2146010	170.73	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 341.46%#			
54) Toluene-d8	12.62	98	4995482	203.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 407.20%#			
74) 4-Bromofluorobenzene	16.19	95	2098803	191.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 382.98%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	1492242	176.93	ug/L	96
3) Chloromethane	5.07	50	1457668	186.98	ug/L	98
4) Vinyl Chloride	5.28	62	1220567	204.89	ug/L	96
5) Bromomethane	5.84	94	915186	160.41	ug/L	98
6) Chloroethane	6.01	64	793056	214.12	ug/L	99
7) Trichlorofluoromethane	6.35	101	2434945	211.03	ug/L	100
8) Acrolein	8.21	56	636030	992.40	ug/L	96
9) Ethyl Ether	6.66	59	1028447	192.23	ug/L	99
10) 1,1-Dichloroethene	7.12	61	2017355	194.10	ug/L	98
11) Freon 113	7.01	101	1303615	214.21	ug/L	94
12) Acetone	7.16	43	1840933	979.10	ug/L	92
13) Iodomethane	7.43	142	2147119	185.16	ug/L	94
14) Methyl acetate	7.51	43	4294360	920.34	ug/L	98
15) Carbon Disulfide	7.54	76	4135455	203.28	ug/L	97
16) Methylene Chloride	7.80	49	1712823	166.71	ug/L	99
17) Tert Butyl Alcohol	7.73	59	1143348	1833.21	ug/L	77
18) trans-1,2-Dichloroethene	8.05	61	1888547	195.08	ug/L	98
19) Acrylonitrile	8.11	53	1863395	1093.28	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	4050248	183.06	ug/L	97
21) Hexane	8.21	57	1065780	199.93	ug/L	89
22) 1,1-Dichloroethane	8.61	63	2348984	191.56	ug/L	96
23) Vinyl acetate	8.45	43	1952353	892.30	ug/L	97
24) Di-isopropyl ether	8.44	45	4754627	199.29	ug/L	94
25) Ethyl tert-butyl ether	8.88	59	4524258	191.99	ug/L	98
26) 2,2-Dichloropropane	9.30	77	1556808	149.10	ug/L	96
27) cis-1,2-Dichloroethene	9.33	96	1613625	191.19	ug/L	93
28) 2-Butanone	9.21	43	8380228	1017.58	ug/L	100
29) Bromochloromethane	9.64	128	819400	196.95	ug/L	96
30) Chloroform	9.65	83	2893627	176.06	ug/L	99
31) Tetrahydrofuran	9.21	42	701728	193.50	ug/L	97
32) 1,1,1-Trichloroethane	9.91	97	2429943	170.89	ug/L	99
34) Cyclohexane	9.94	56	1706287	204.29	ug/L	91
35) n-Butyl Alcohol	9.93	43	152172	1904.44	ug/L #	84
36) 1,1-Dichloropropene	10.08	75	1960437	187.26	ug/L	92

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:56 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	2141524	173.11	ug/L		98
39)	Benzene	10.36	78	4786563	197.10	ug/L		95
40)	1,2-Dichloroethane	10.44	62	2460607	171.40	ug/L		97
41)	tert-amyl methyl ether	10.31	73	4180960	187.79	ug/L		97
42)	Trichloroethene	11.12	95	1598004	151.83	ug/L		98
43)	Methylcyclohexane	11.30	83	1569193	201.16	ug/L		99
44)	1,2-Dichloropropane	11.47	63	1234605	208.23	ug/L		86
45)	Dibromomethane	11.66	93	1100434	190.29	ug/L		98
46)	1,4-Dioxane	11.55	88	269055	3961.68	ug/L		92
47)	Bromodichloromethane	11.77	83	2550542	180.37	ug/L		100
48)	2-Nitropropane	12.10	41	2395577	789.74	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	3441389	1144.15	ug/L		98
50)	1-Bromo-2-Chloroethane	12.26	63	1773914	204.27	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	5575494	962.26	ug/L		96
52)	cis-1,3-Dichloropropene	12.32	75	2601305	199.67	ug/L		90
55)	Toluene	12.72	91	5568197	202.75	ug/L		99
56)	trans-1,3-Dichloropropene	13.02	75	2382181	199.49	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	1051897	204.91	ug/L		93
58)	Tetrachloroethene	13.44	166	1684894	193.94	ug/L		99
59)	2-hexanone	13.46	43	3946765	999.92	ug/L		94
60)	1,3-Dichloropropane	13.55	76	2330148	201.38	ug/L		92
61)	Dibromochloromethane	13.87	129	1789924	201.82	ug/L		99
62)	1,2-Dibromoethane	14.10	107	1490475	207.01	ug/L		98
63)	1-Chlorohexane	14.43	91	1980649	206.19	ug/L		93
64)	Chlorobenzene	14.69	112	3643366	199.46	ug/L		95
65)	1,1,1,2-Tetrachloroethane	14.76	131	1505471	189.18	ug/L		95
66)	Ethylbenzene	14.70	91	6513282	188.52	ug/L		99
67)	m,p-Xylene	14.85	91	9998480	375.93	ug/L		96
68)	o-Xylene	15.43	91	5281271	191.35	ug/L		97
69)	Styrene	15.46	104	4058969	209.48	ug/L		91
70)	Bromoform	15.85	173	1248450	197.18	ug/L		97
72)	Isopropylbenzene	15.86	105	5112837	206.82	ug/L		98
73)	Cyclohexanone	16.19	55	209175	954.19	ug/L		95
75)	Bromobenzene	16.47	156	1767695	198.85	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.34	83	1378777	203.56	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	502682	199.94	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	507411	195.37	ug/L		92
79)	n-Propylbenzene	16.40	91	6771023	198.62	ug/L		100
80)	2-Chlorotoluene	16.66	91	4850993	190.33	ug/L		98
81)	4-Chlorotoluene	16.79	91	4613606	194.34	ug/L		96
82)	1,3,5-Trimethylbenzene	16.61	105	4528891	201.13	ug/L		98
83)	sec-Butylbenzene	17.39	105	4898318	196.64	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	2726747	196.01	ug/L		98
85)	4-Isopropyltoluene	17.55	119	3982704	196.64	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	2812589	196.31	ug/L		99
87)	tert-Butylbenzene	17.39	91	832680	191.43	ug/L		91
88)	n-Butylbenzene	18.15	91	3703796	187.69	ug/L		98
89)	1,2-Dichlorobenzene	18.46	146	2500221	190.81	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	4794167	198.90	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

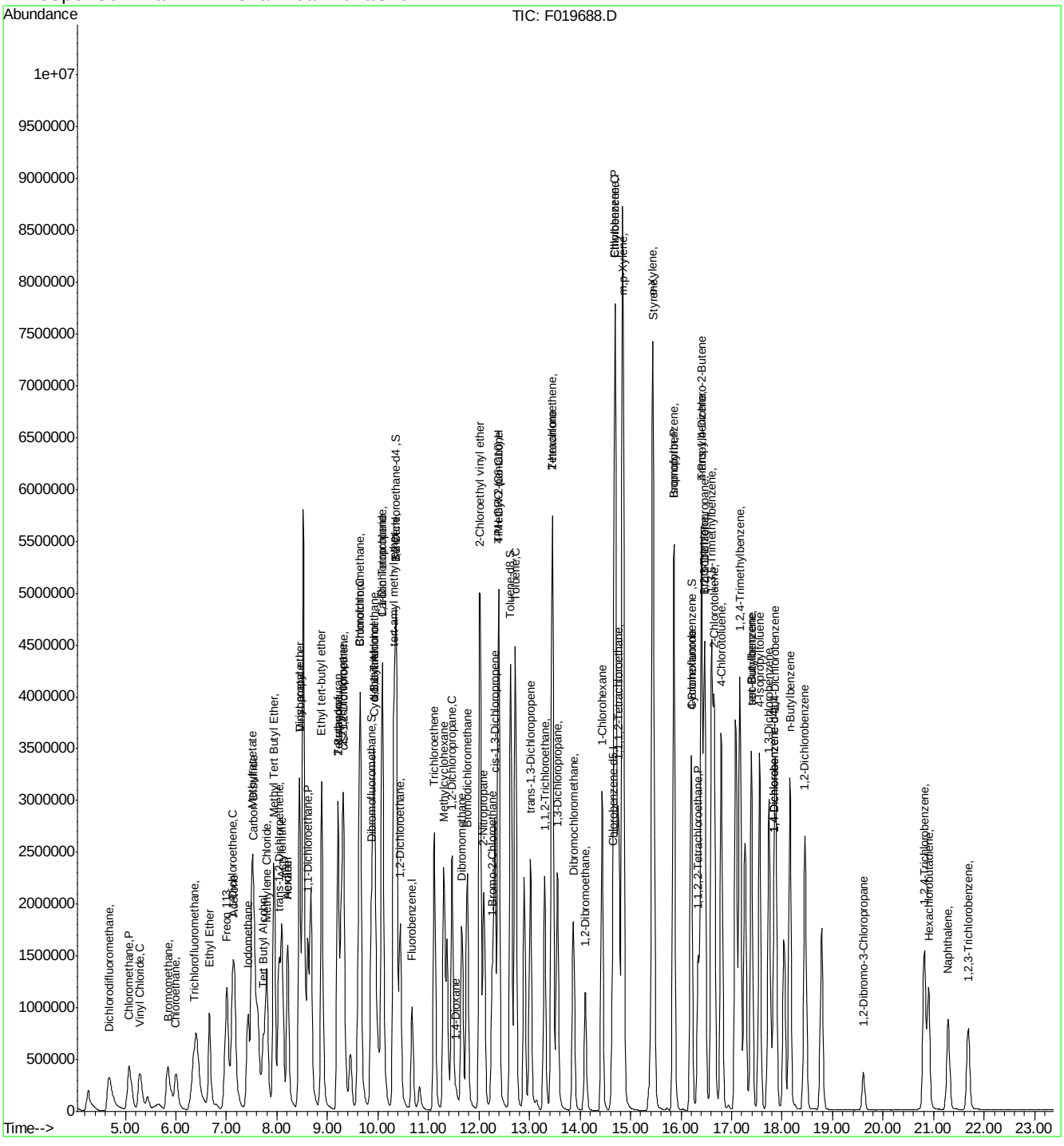
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	209616	153.18	ug/L	87
92)	1,2,4-Trichlorobenzene	20.82	180	1235269	176.39	ug/L	100
93)	Hexachlorobutadiene	20.90	225	536202	144.17	ug/L	97
94)	Naphthalene	21.28	128	1803651	172.78	ug/L	100
95)	1,2,3-Trichlorobenzene	21.68	180	669734	152.72	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	547322666m	8238.03	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	956208	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.63	117	697608	50.00	ug/L	-0.01
71) 1,4-Dichlorobenzene-d4	17.81	152	394454	50.00	ug/L	-0.01
96) 1,4-Dichlorobenzene-d4a	17.81	152	394454	50.00	ug/kg	-0.01

System Monitoring Compounds						
33) Dibromofluoromethane	9.85	113	6329	1.06	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 2.12%#			
38) 1,2-Dichloroethane-d4	10.34	65	9407	1.12	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 2.24%#			
54) Toluene-d8	12.62	98	20214	1.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 2.54%#			
74) 4-Bromofluorobenzene	16.19	95	10654	1.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 2.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.70	85	5573	0.84	ug/L	92
3) Chloromethane	5.04	50	6800	1.03	ug/L	93
4) Vinyl Chloride	5.29	62	4453	0.83	ug/L #	44
5) Bromomethane	5.88	94	4656	1.29	ug/L	87
6) Chloroethane	6.02	64	3011	1.14	ug/L	73
7) Trichlorofluoromethane	6.36	101	9437	1.10	ug/L	81
8) Acrolein	8.21	56	2060	5.29	ug/L	59
9) Ethyl Ether	6.67	59	3720	1.06	ug/L	88
10) 1,1-Dichloroethene	7.10	61	6980	1.03	ug/L	95
11) Freon 113	6.97	101	3967	0.94	ug/L	88
12) Acetone	7.15	43	16378	12.10	ug/L	82
13) Iodomethane	7.41	142	7314	0.89	ug/L #	91
14) Methyl acetate	7.50	43	20795	7.54	ug/L	90
15) Carbon Disulfide	7.54	76	13743	1.04	ug/L	96
16) Methylene Chloride	7.78	49	9543	1.62	ug/L	84
17) Tert Butyl Alcohol	7.69	59	4649	11.24	ug/L	70
18) trans-1,2-Dichloroethene	8.04	61	6217	0.96	ug/L	86
19) Acrylonitrile	8.09	53	5791	5.52	ug/L	91
20) Methyl Tert Butyl Ether	7.92	73	15482	1.05	ug/L	93
21) Hexane	8.22	57	3470	1.10	ug/L	78
22) 1,1-Dichloroethane	8.60	63	7844	0.95	ug/L	97
23) Vinyl acetate	8.43	43	8397	5.80	ug/L	89
24) Di-isopropyl ether	8.43	45	17043	1.09	ug/L	93
25) Ethyl tert-butyl ether	8.87	59	15836	0.98	ug/L	94
26) 2,2-Dichloropropane	9.28	77	7239	1.07	ug/L	92
27) cis-1,2-Dichloroethene	9.31	96	5498	0.97	ug/L	96
28) 2-Butanone	9.20	43	21865	3.87	ug/L	100
29) Bromochloromethane	9.64	128	2400	0.82	ug/L	88
30) Chloroform	9.64	83	10452	0.93	ug/L	92
31) Tetrahydrofuran	9.20	42	3341	1.21	ug/L	75
32) 1,1,1-Trichloroethane	9.90	97	9311	0.97	ug/L	95
34) Cyclohexane	9.92	56	5124	0.99	ug/L	88
35) n-Butyl Alcohol	9.91	43	309	6.86	ug/L #	1
36) 1,1-Dichloropropene	10.07	75	6645	0.97	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	8163	0.99	ug/L		95
39)	Benzene	10.36	78	15506	0.99	ug/L		98
40)	1,2-Dichloroethane	10.42	62	9792	1.01	ug/L		94
41)	tert-amyl methyl ether	10.31	73	15768	1.09	ug/L		86
42)	Trichloroethene	11.10	95	10733	1.94	ug/L		98
43)	Methylcyclohexane	11.29	83	4948	1.03	ug/L		95
44)	1,2-Dichloropropane	11.46	63	3850	1.00	ug/L		87
45)	Dibromomethane	11.65	93	3620	0.92	ug/L		93
47)	Bromodichloromethane	11.75	83	9855	1.04	ug/L		97
48)	2-Nitropropane	12.08	41	10680	5.40	ug/L		91
49)	2-Chloroethyl vinyl ether	12.01	63	9868	4.70	ug/L		84
50)	1-Bromo-2-Chloroethane	12.25	63	5967	1.06	uL/L		94
51)	4-Methyl-2-pentanone	12.38	43	21101	5.74	ug/L		96
52)	cis-1,3-Dichloropropene	12.30	75	8656	0.99	ug/L		96
55)	Toluene	12.71	91	19583	1.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	8212	0.98	ug/L		89
57)	1,1,2-Trichloroethane	13.29	83	3637	1.06	ug/L		93
58)	Tetrachloroethene	13.43	166	6155	1.09	ug/L		90
59)	2-hexanone	13.44	43	14675	5.48	ug/L		97
60)	1,3-Dichloropropane	13.54	76	8286	1.07	ug/L		88
61)	Dibromochloromethane	13.87	129	5946	0.94	ug/L		93
62)	1,2-Dibromoethane	14.09	107	4835	0.98	ug/L		83
63)	1-Chlorohexane	14.43	91	6754	1.04	ug/L		91
64)	Chlorobenzene	14.68	112	13385	1.08	ug/L		97
65)	1,1,1,2-Tetrachloroethane	14.75	131	5410	0.97	ug/L	#	70
66)	Ethylbenzene	14.68	91	25295	1.08	ug/L		92
67)	m,p-Xylene	14.83	91	37073	2.03	ug/L		98
68)	o-Xylene	15.41	91	19304	1.01	ug/L		99
69)	Styrene	15.44	104	12803	0.93	ug/L		96
70)	Bromoform	15.84	173	4214	0.92	ug/L		92
72)	Isopropylbenzene	15.85	105	17798	1.04	ug/L		94
73)	Cyclohexanone	16.16	55	544	3.78	ug/L	#	27
75)	Bromobenzene	16.46	156	6422	1.04	ug/L		91
76)	1,1,2,2-Tetrachloroethane	16.33	83	5303	1.13	ug/L		83
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	1873	0.98	ug/L	#	87
78)	1,2,3-Trichloropropane	16.46	110	2029	1.12	ug/L		75
79)	n-Propylbenzene	16.39	91	25454	1.08	ug/L		100
80)	2-Chlorotoluene	16.64	91	20035	1.15	ug/L		96
81)	4-Chlorotoluene	16.79	91	18670	1.14	ug/L		92
82)	1,3,5-Trimethylbenzene	16.59	105	16231	1.03	ug/L		96
83)	sec-Butylbenzene	17.38	105	19271	1.12	ug/L		99
84)	1,3-Dichlorobenzene	17.73	146	9900	1.00	ug/L		90
85)	4-Isopropyltoluene	17.54	119	15037	1.08	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	9900	0.95	ug/L		89
87)	tert-Butylbenzene	17.55	91	5185	1.66	ug/L	#	68
88)	n-Butylbenzene	18.15	91	16098	1.13	ug/L		94
89)	1,2-Dichlorobenzene	18.43	146	9891	1.02	ug/L		92
90)	1,2,4-Trimethylbenzene	17.15	105	17749	1.05	ug/L		89
91)	1,2-Dibromo-3-Chloropropan	19.59	75	1180	1.16	ug/L	#	52

(#) = qualifier out of range (m) = manual integration
F019682.D VF3547.M Tue Sep 15 09:55:39 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09:41 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:08:34 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

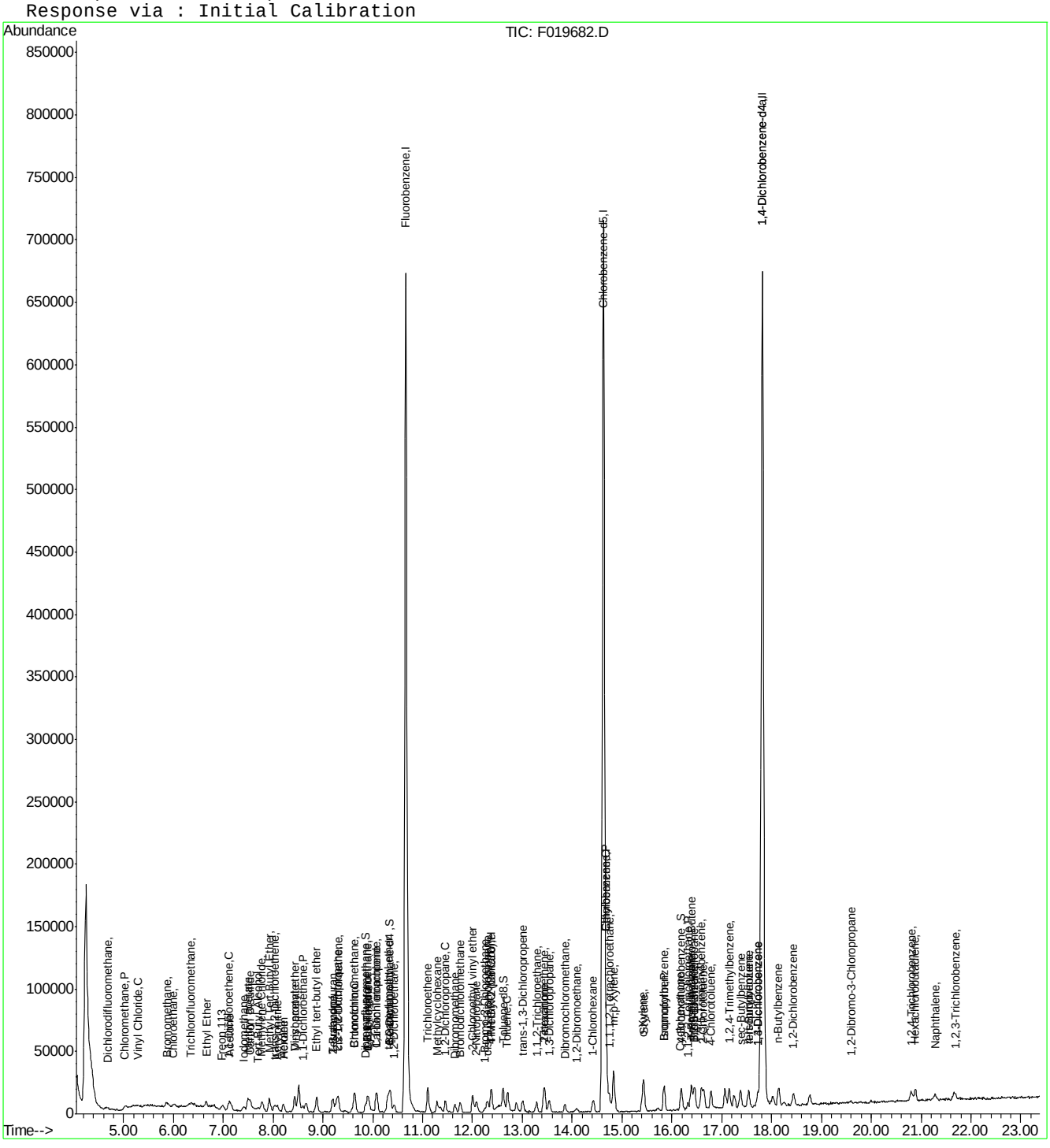
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	1,2,4-Trichlorobenzene	20.81	180	6329	1.10	ug/L	92
93)	Hexachlorobutadiene	20.88	225	4084	1.58	ug/L	94
94)	Naphthalene	21.28	128	10874	1.28	ug/L	98
95)	1,2,3-Trichlorobenzene	21.68	180	4991	1.57	ug/L	90
97)	TPH-GRO (C6-C10)	12.39	TIC	184556m	5.23	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019682.D Vial: 2
Acq On : 14 Sep 2009 12:31 pm Operator: AnjanaP
Sample : ic3547-1 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:09 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	947288	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	695473	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	390028	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	390028	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	10997	1.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 3.60%#			
38) 1,2-Dichloroethane-d4	10.34	65	16182	1.84	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 3.68%#			
54) Toluene-d8	12.62	98	32778	1.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 3.64%#			
74) 4-Bromofluorobenzene	16.19	95	15304	1.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 3.44%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	10398	1.72	ug/L	96
3) Chloromethane	5.04	50	8884	1.34	ug/L	88
4) Vinyl Chloride	5.28	62	7538	1.59	ug/L	98
5) Bromomethane	5.87	94	8374	2.05	ug/L	86
6) Chloroethane	6.03	64	4985	1.77	ug/L	97
7) Trichlorofluoromethane	6.36	101	17233	1.93	ug/L	97
8) Acrolein	8.21	56	4442	11.19	ug/L	59
9) Ethyl Ether	6.66	59	7617	2.13	ug/L	93
10) 1,1-Dichloroethene	7.11	61	14802	2.17	ug/L	98
11) Freon 113	7.00	101	9430	2.31	ug/L	89
12) Acetone	7.16	43	22736	10.04	ug/L	98
13) Iodomethane	7.42	142	15389	2.00	ug/L	97
14) Methyl acetate	7.51	43	32239	9.41	ug/L	95
15) Carbon Disulfide	7.55	76	26918	2.02	ug/L	99
16) Methylene Chloride	7.79	49	14838	1.94	ug/L	91
17) Tert Butyl Alcohol	7.71	59	8508	19.55	ug/L	86
18) trans-1,2-Dichloroethene	8.03	61	12921	2.05	ug/L	91
19) Acrylonitrile	8.09	53	11329	10.36	ug/L	94
20) Methyl Tert Butyl Ether	7.93	73	30605	2.04	ug/L	97
21) Hexane	8.21	57	7369	2.25	ug/L	94
22) 1,1-Dichloroethane	8.61	63	16703	2.09	ug/L	92
23) Vinyl acetate	8.44	43	14233	9.19	ug/L	88
24) Di-isopropyl ether	8.44	45	30683	1.89	ug/L	98
25) Ethyl tert-butyl ether	8.88	59	30080	1.89	ug/L	92
26) 2,2-Dichloropropane	9.29	77	14488	2.09	ug/L	99
27) cis-1,2-Dichloroethene	9.31	96	11621	2.11	ug/L	94
28) 2-Butanone	9.20	43	58802	11.84	ug/L	100
29) Bromochloromethane	9.65	128	5581	2.11	ug/L	98
30) Chloroform	9.65	83	22923	2.13	ug/L	98
31) Tetrahydrofuran	9.21	42	4525	1.45	ug/L	78
32) 1,1,1-Trichloroethane	9.90	97	19652	2.10	ug/L	94
34) Cyclohexane	9.93	56	11839	2.32	ug/L	83
35) n-Butyl Alcohol	9.92	43	1980	47.24	ug/L #	28
36) 1,1-Dichloropropene	10.08	75	14123	2.11	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	16977	2.09	ug/L		98
39)	Benzene	10.36	78	32415	2.10	ug/L		87
40)	1,2-Dichloroethane	10.43	62	18959	1.96	ug/L		95
41)	tert-amyl methyl ether	10.31	73	29652	1.98	ug/L		96
42)	Trichloroethene	11.11	95	15738	1.95	ug/L		97
43)	Methylcyclohexane	11.30	83	10094	2.09	ug/L		96
44)	1,2-Dichloropropane	11.46	63	7906	2.07	ug/L		93
45)	Dibromomethane	11.65	93	7546	2.01	ug/L		82
46)	1,4-Dioxane	11.56	88	1216	29.28	ug/L	#	63
47)	Bromodichloromethane	11.76	83	18337	1.91	ug/L		96
48)	2-Nitropropane	12.09	41	21935	10.76	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	18258	9.05	ug/L		88
50)	1-Bromo-2-Chloroethane	12.25	63	11589	2.02	uL/L		100
51)	4-Methyl-2-pentanone	12.38	43	39511	10.10	ug/L		97
52)	cis-1,3-Dichloropropene	12.30	75	16922	1.96	ug/L		89
55)	Toluene	12.71	91	39063	2.07	ug/L		96
56)	trans-1,3-Dichloropropene	13.01	75	16632	2.01	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	7295	2.07	ug/L		94
58)	Tetrachloroethene	13.43	166	12622	2.15	ug/L		96
59)	2-hexanone	13.45	43	28082	10.03	ug/L		98
60)	1,3-Dichloropropane	13.54	76	16463	2.06	ug/L		91
61)	Dibromochloromethane	13.86	129	12213	1.99	ug/L		96
62)	1,2-Dibromoethane	14.09	107	10279	2.11	ug/L		93
63)	1-Chlorohexane	14.43	91	13749	2.08	ug/L		93
64)	Chlorobenzene	14.67	112	25180	1.96	ug/L		89
65)	1,1,1,2-Tetrachloroethane	14.75	131	11592	2.11	ug/L		85
66)	Ethylbenzene	14.68	91	50842	2.10	ug/L		98
67)	m,p-Xylene	14.83	91	77707	4.23	ug/L		93
68)	o-Xylene	15.42	91	40204	2.10	ug/L		94
69)	Styrene	15.45	104	26449	2.00	ug/L		95
70)	Bromoform	15.85	173	9275	2.11	ug/L		87
72)	Isopropylbenzene	15.85	105	37212	2.16	ug/L		96
73)	Cyclohexanone	16.20	55	1896	14.49	ug/L	#	71
75)	Bromobenzene	16.47	156	13766	2.21	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	10422	2.11	ug/L		93
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	3664	1.96	ug/L	#	93
78)	1,2,3-Trichloropropane	16.47	110	3958	2.09	ug/L		79
79)	n-Propylbenzene	16.40	91	51663	2.13	ug/L		98
80)	2-Chlorotoluene	16.64	91	38927	2.10	ug/L		97
81)	4-Chlorotoluene	16.79	91	36634	2.11	ug/L		99
82)	1,3,5-Trimethylbenzene	16.59	105	34365	2.17	ug/L		96
83)	sec-Butylbenzene	17.38	105	37811	2.10	ug/L		97
84)	1,3-Dichlorobenzene	17.73	146	21717	2.22	ug/L		94
85)	4-Isopropyltoluene	17.55	119	30960	2.16	ug/L		99
86)	1,4-Dichlorobenzene	17.73	146	21717	2.16	ug/L		95
87)	tert-Butylbenzene	17.39	91	8158	2.00	ug/L		91
88)	n-Butylbenzene	18.15	91	29139	1.94	ug/L		98
89)	1,2-Dichlorobenzene	18.44	146	19585	2.02	ug/L		95
90)	1,2,4-Trimethylbenzene	17.15	105	35759	2.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:05 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:10:47 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

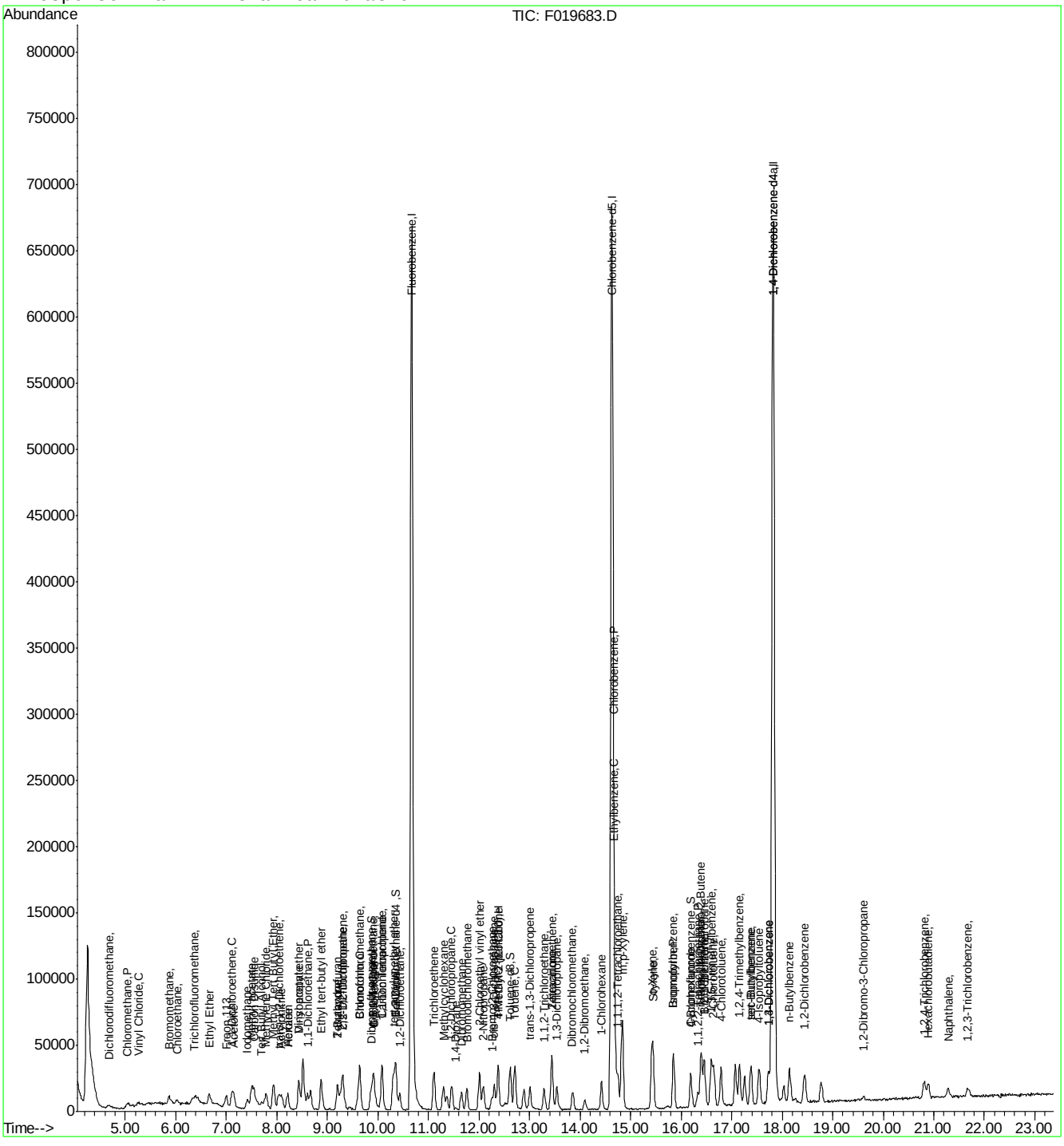
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	2425	2.24	ug/L	87
92)	1,2,4-Trichlorobenzene	20.81	180	9654	1.62	ug/L	97
93)	Hexachlorobutadiene	20.89	225	5689	1.73	ug/L	89
94)	Naphthalene	21.28	128	13984	1.46	ug/L	80
95)	1,2,3-Trichlorobenzene	21.67	180	6548	1.62	ug/L	96
97)	TPH-GRO (C6-C10)	12.39	TIC	2699442m	77.34	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019683.D VF3547.M Tue Sep 15 09:55:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019683.D Vial: 3
Acq On : 14 Sep 2009 1:01 pm Operator: AnjanaP
Sample : ic3547-2 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.68	96	1008594	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	729549	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	410756	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	410756	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.86	113	31064	4.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 9.90%#			
38) 1,2-Dichloroethane-d4	10.35	65	45217	4.95	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 9.90%#			
54) Toluene-d8	12.63	98	89755	4.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 9.80%#			
74) 4-Bromofluorobenzene	16.20	95	39760	4.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 8.92%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	29821	4.85	ug/L	86
3) Chloromethane	5.05	50	23140	3.67	ug/L	96
4) Vinyl Chloride	5.28	62	21305	4.12	ug/L	88
5) Bromomethane	5.89	94	19688	4.48	ug/L	93
6) Chloroethane	6.04	64	13315	4.77	ug/L	95
7) Trichlorofluoromethane	6.36	101	44400	4.84	ug/L	97
8) Acrolein	8.22	56	11785	26.82	ug/L	82
9) Ethyl Ether	6.68	59	18019	4.63	ug/L	92
10) 1,1-Dichloroethene	7.12	61	36101	4.84	ug/L	98
11) Freon 113	7.01	101	25771	5.71	ug/L	95
12) Acetone	7.17	43	41431	22.55	ug/L	96
13) Iodomethane	7.43	142	40184	4.91	ug/L	99
14) Methyl acetate	7.51	43	73699	20.61	ug/L	98
15) Carbon Disulfide	7.55	76	72047	5.06	ug/L	92
16) Methylene Chloride	7.81	49	32591	4.05	ug/L	91
17) Tert Butyl Alcohol	7.71	59	20325	44.20	ug/L	94
18) trans-1,2-Dichloroethene	8.05	61	34084	5.04	ug/L	95
19) Acrylonitrile	8.11	53	28805	24.45	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	75043	4.67	ug/L	95
21) Hexane	8.23	57	19916	5.48	ug/L	88
22) 1,1-Dichloroethane	8.61	63	44913	5.20	ug/L	100
23) Vinyl acetate	8.45	43	37606	23.44	ug/L	90
24) Di-isopropyl ether	8.45	45	82350	4.86	ug/L	100
25) Ethyl tert-butyl ether	8.89	59	81971	4.93	ug/L	97
26) 2,2-Dichloropropane	9.30	77	39547	5.28	ug/L	94
27) cis-1,2-Dichloroethene	9.32	96	29452	4.93	ug/L	94
28) 2-Butanone	9.20	43	149763	26.69	ug/L	100
29) Bromochloromethane	9.64	128	14392	5.02	ug/L	92
30) Chloroform	9.66	83	57840	4.94	ug/L	98
31) Tetrahydrofuran	9.20	42	8848	3.10	ug/L	87
32) 1,1,1-Trichloroethane	9.91	97	50661	5.00	ug/L	95
34) Cyclohexane	9.93	56	29168	5.09	ug/L	94
35) n-Butyl Alcohol	9.92	43	3818	71.44	ug/L #	18
36) 1,1-Dichloropropene	10.09	75	37240	5.13	ug/L	99

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Carbon Tetrachloride	10.09	117	44794	5.11	ug/L		96
39) Benzene	10.37	78	86060	5.14	ug/L		97
40) 1,2-Dichloroethane	10.43	62	52070	5.10	ug/L		96
41) tert-amyl methyl ether	10.31	73	76052	4.78	ug/L		95
42) Trichloroethene	11.12	95	33956	3.99	ug/L		97
43) Methylcyclohexane	11.31	83	29121	5.57	ug/L		98
44) 1,2-Dichloropropane	11.48	63	20582	5.00	ug/L		92
45) Dibromomethane	11.65	93	21073	5.27	ug/L		94
46) 1,4-Dioxane	11.54	88	3921	98.57	ug/L		88
47) Bromodichloromethane	11.77	83	50417	5.02	ug/L		89
48) 2-Nitropropane	12.10	41	52088	23.41	ug/L		91
49) 2-Chloroethyl vinyl ether	12.02	63	47068	22.63	ug/L		99
50) 1-Bromo-2-Chloroethane	12.25	63	29153	4.76	uL/L		98
51) 4-Methyl-2-pentanone	12.38	43	97447	23.32	ug/L		98
52) cis-1,3-Dichloropropene	12.30	75	44008	4.82	ug/L		97
55) Toluene	12.72	91	100714	5.03	ug/L		98
56) trans-1,3-Dichloropropene	13.02	75	42958	4.94	ug/L		97
57) 1,1,2-Trichloroethane	13.30	83	18471	4.93	ug/L		96
58) Tetrachloroethene	13.44	166	32598	5.16	ug/L		98
59) 2-hexanone	13.46	43	67208	22.86	ug/L		99
60) 1,3-Dichloropropane	13.54	76	41077	4.86	ug/L		91
61) Dibromochloromethane	13.87	129	32217	5.02	ug/L		91
62) 1,2-Dibromoethane	14.10	107	25682	4.93	ug/L		89
63) 1-Chlorohexane	14.43	91	33997	4.84	ug/L		93
64) Chlorobenzene	14.69	112	65799	4.91	ug/L		96
65) 1,1,1,2-Tetrachloroethane	14.76	131	29707	5.07	ug/L		95
66) Ethylbenzene	14.69	91	125709	4.86	ug/L		97
67) m,p-Xylene	14.84	91	195713	9.97	ug/L		99
68) o-Xylene	15.42	91	100092	4.90	ug/L		98
69) Styrene	15.45	104	69831	5.03	ug/L		96
70) Bromoform	15.86	173	21839	4.65	ug/L		97
72) Isopropylbenzene	15.86	105	95203	5.11	ug/L		100
73) Cyclohexanone	16.19	55	4002	25.78	ug/L	#	77
75) Bromobenzene	16.47	156	33679	4.96	ug/L		94
76) 1,1,2,2-Tetrachloroethane	16.34	83	24048	4.54	ug/L		93
77) Trans-1,4-Dichloro-2-Buten	16.41	53	8874	4.54	ug/L	#	90
78) 1,2,3-Trichloropropane	16.46	110	9378	4.63	ug/L		95
79) n-Propylbenzene	16.40	91	129915	4.98	ug/L		98
80) 2-Chlorotoluene	16.65	91	98471	4.97	ug/L		97
81) 4-Chlorotoluene	16.79	91	87814	4.72	ug/L		99
82) 1,3,5-Trimethylbenzene	16.59	105	86438	5.04	ug/L		95
83) sec-Butylbenzene	17.39	105	93386	4.84	ug/L		98
84) 1,3-Dichlorobenzene	17.74	146	53052	4.97	ug/L		98
85) 4-Isopropyltoluene	17.55	119	76756	4.95	ug/L		95
86) 1,4-Dichlorobenzene	17.86	146	55913	5.15	ug/L		84
87) tert-Butylbenzene	17.39	91	18988	5.26	ug/L		93
88) n-Butylbenzene	18.15	91	72211	4.62	ug/L		99
89) 1,2-Dichlorobenzene	18.45	146	48843	4.76	ug/L		94
90) 1,2,4-Trimethylbenzene	17.16	105	93031	5.08	ug/L		93

(#) = qualifier out of range (m) = manual integration
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11:34 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:23 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

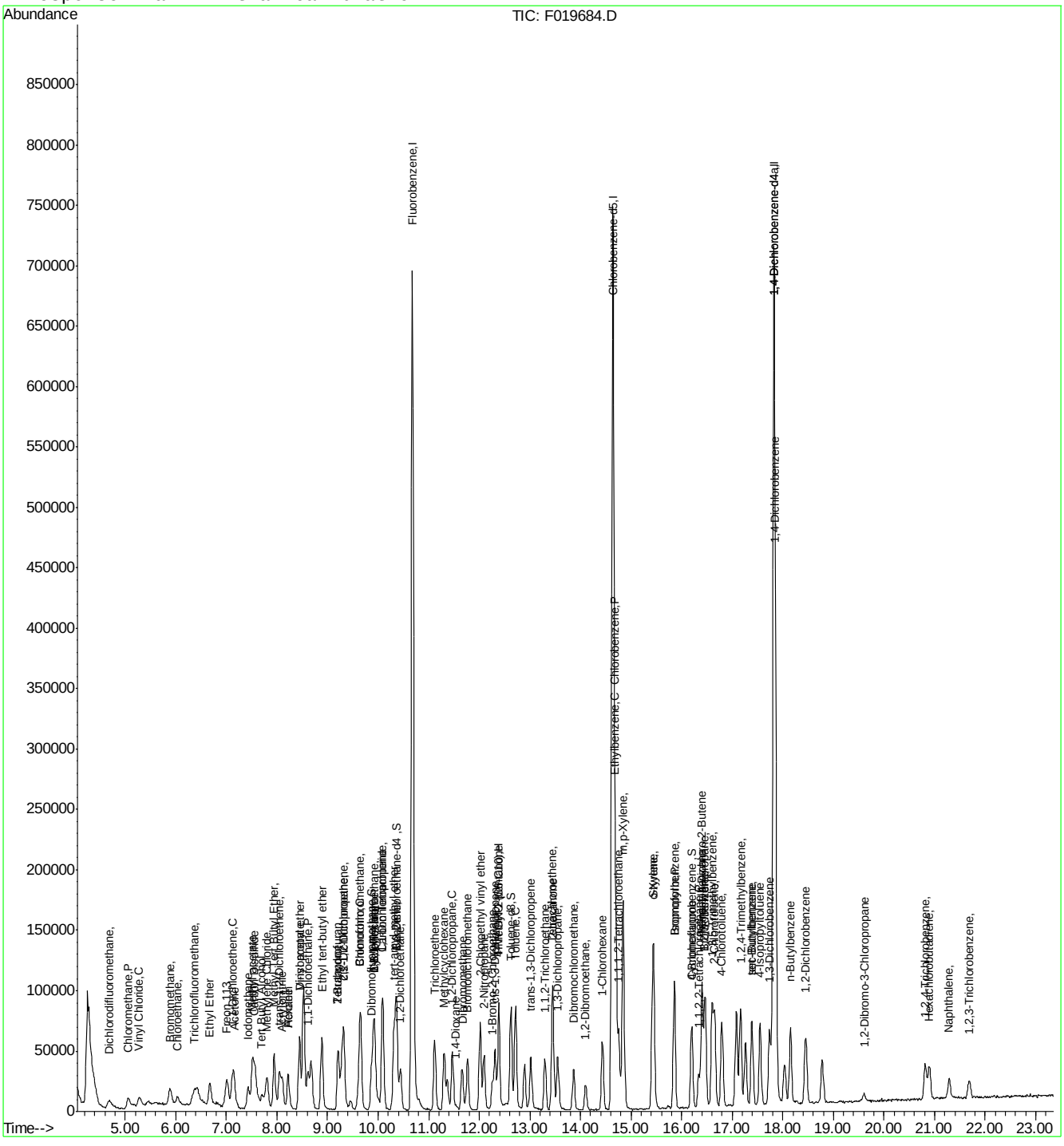
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.60	75	4739	3.99	ug/L	83
92) 1,2,4-Trichlorobenzene	20.82	180	22735	3.87	ug/L	98
93) Hexachlorobutadiene	20.90	225	12032	3.63	ug/L	93
94) Naphthalene	21.29	128	30446	3.32	ug/L	93
95) 1,2,3-Trichlorobenzene	21.69	180	13294	3.33	ug/L	93
97) TPH-GRO (C6-C10)	12.39	TIC	9738984m	375.64	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019684.D VF3547.M Tue Sep 15 09:55:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019684.D Vial: 4
Acq On : 14 Sep 2009 1:31 pm Operator: AnjanaP
Sample : ic3547-5 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:11 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	982414	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	707294	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.82	152	401382	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.82	152	401382	50.00	ug/kg	0.00

System Monitoring Compounds

33) Dibromofluoromethane	9.86	113	106812	17.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 35.02%#			
38) 1,2-Dichloroethane-d4	10.35	65	148375	16.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 33.44%#			
54) Toluene-d8	12.63	98	289415	16.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 32.76%#			
74) 4-Bromofluorobenzene	16.20	95	130166	15.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 30.70%#			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.68	85	100390	16.89	ug/L	96
3) Chloromethane	5.06	50	71796	12.53	ug/L	94
4) Vinyl Chloride	5.28	62	66013	12.48	ug/L	95
5) Bromomethane	5.88	94	63479	15.23	ug/L	93
6) Chloroethane	6.03	64	46084	17.07	ug/L	96
7) Trichlorofluoromethane	6.36	101	157594	17.84	ug/L	96
8) Acrolein	8.22	56	38236	87.74	ug/L	88
9) Ethyl Ether	6.67	59	63043	16.94	ug/L	99
10) 1,1-Dichloroethene	7.12	61	123920	17.18	ug/L	98
11) Freon 113	7.01	101	85797	19.61	ug/L	95
12) Acetone	7.16	43	122068	84.09	ug/L	96
13) Iodomethane	7.43	142	145509	18.34	ug/L	100
14) Methyl acetate	7.51	43	244928	73.55	ug/L	97
15) Carbon Disulfide	7.55	76	245809	17.66	ug/L	96
16) Methylene Chloride	7.80	49	107994	14.45	ug/L	97
17) Tert Butyl Alcohol	7.71	59	72450	166.59	ug/L	97
18) trans-1,2-Dichloroethene	8.04	61	120197	18.20	ug/L	97
19) Acrylonitrile	8.10	53	102041	89.42	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	263723	17.14	ug/L	96
21) Hexane	8.22	57	64717	17.85	ug/L	97
22) 1,1-Dichloroethane	8.61	63	146591	17.25	ug/L	99
23) Vinyl acetate	8.45	43	121689	79.10	ug/L	99
24) Di-isopropyl ether	8.45	45	279196	17.04	ug/L	98
25) Ethyl tert-butyl ether	8.89	59	287162	17.81	ug/L	99
26) 2,2-Dichloropropane	9.30	77	129113	17.46	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	104986	18.10	ug/L	94
28) 2-Butanone	9.20	43	502313	90.37	ug/L	100
29) Bromochloromethane	9.64	128	53369	19.08	ug/L	96
30) Chloroform	9.65	83	202549	17.81	ug/L	99
31) Tetrahydrofuran	9.20	42	49178	17.74	ug/L	95
32) 1,1,1-Trichloroethane	9.91	97	177308	17.97	ug/L	98
34) Cyclohexane	9.92	56	102404	18.27	ug/L	96
35) n-Butyl Alcohol	9.93	43	7905	159.60	ug/L	95
36) 1,1-Dichloropropene	10.08	75	131509	18.47	ug/L	94

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.09	117	153956	17.92	ug/L		98
39)	Benzene	10.36	78	296632	18.07	ug/L		93
40)	1,2-Dichloroethane	10.43	62	174702	17.47	ug/L		100
41)	tert-amyl methyl ether	10.31	73	264248	17.24	ug/L		100
42)	Trichloroethene	11.11	95	103308	13.13	ug/L		96
43)	Methylcyclohexane	11.31	83	95146	18.17	ug/L		99
44)	1,2-Dichloropropane	11.47	63	70640	17.62	ug/L		97
45)	Dibromomethane	11.65	93	70784	17.93	ug/L		97
46)	1,4-Dioxane	11.55	88	14565	345.03	ug/L		95
47)	Bromodichloromethane	11.76	83	168761	17.22	ug/L		98
48)	2-Nitropropane	12.09	41	187274	87.81	ug/L		98
49)	2-Chloroethyl vinyl ether	12.01	63	178146	90.07	ug/L		98
50)	1-Bromo-2-Chloroethane	12.25	63	101118	17.15	uL/L		97
51)	4-Methyl-2-pentanone	12.38	43	328138	81.99	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	155974	17.69	ug/L		97
55)	Toluene	12.72	91	337327	17.36	ug/L		99
56)	trans-1,3-Dichloropropene	13.01	75	148986	17.73	ug/L		99
57)	1,1,2-Trichloroethane	13.30	83	62592	17.30	ug/L		97
58)	Tetrachloroethene	13.44	166	109099	17.68	ug/L		97
59)	2-hexanone	13.45	43	236631	84.85	ug/L		98
60)	1,3-Dichloropropane	13.54	76	143044	17.57	ug/L		96
61)	Dibromochloromethane	13.87	129	111979	17.97	ug/L		100
62)	1,2-Dibromoethane	14.10	107	90639	18.02	ug/L		97
63)	1-Chlorohexane	14.43	91	115505	17.09	ug/L		92
64)	Chlorobenzene	14.68	112	224020	17.33	ug/L		98
65)	1,1,1,2-Tetrachloroethane	14.75	131	97467	17.10	ug/L		98
66)	Ethylbenzene	14.69	91	411556	16.54	ug/L		99
67)	m,p-Xylene	14.84	91	650473	34.21	ug/L		99
68)	o-Xylene	15.42	91	334597	16.97	ug/L		97
69)	Styrene	15.45	104	240347	17.83	ug/L		95
70)	Bromoform	15.85	173	79979	17.89	ug/L		96
72)	Isopropylbenzene	15.86	105	319385	17.45	ug/L		99
73)	Cyclohexanone	16.19	55	12353	83.58	ug/L		93
75)	Bromobenzene	16.47	156	116972	17.67	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.33	83	84699	16.74	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	33357	17.87	ug/L	#	98
78)	1,2,3-Trichloropropane	16.47	110	33963	17.47	ug/L		89
79)	n-Propylbenzene	16.40	91	435765	17.11	ug/L		97
80)	2-Chlorotoluene	16.65	91	320598	16.57	ug/L		99
81)	4-Chlorotoluene	16.79	91	299961	16.74	ug/L		94
82)	1,3,5-Trimethylbenzene	16.59	105	292120	17.40	ug/L		95
83)	sec-Butylbenzene	17.39	105	314828	16.84	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	179536	17.25	ug/L		99
85)	4-Isopropyltoluene	17.55	119	263530	17.43	ug/L		99
86)	1,4-Dichlorobenzene	17.86	146	189030	17.68	ug/L		97
87)	tert-Butylbenzene	17.39	91	58310	17.97	ug/L		99
88)	n-Butylbenzene	18.15	91	246188	16.42	ug/L		99
89)	1,2-Dichlorobenzene	18.44	146	166804	16.85	ug/L		97
90)	1,2,4-Trimethylbenzene	17.16	105	311686	17.34	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019685.D VF3547.M Tue Sep 15 09:55:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:06 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:11:50 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

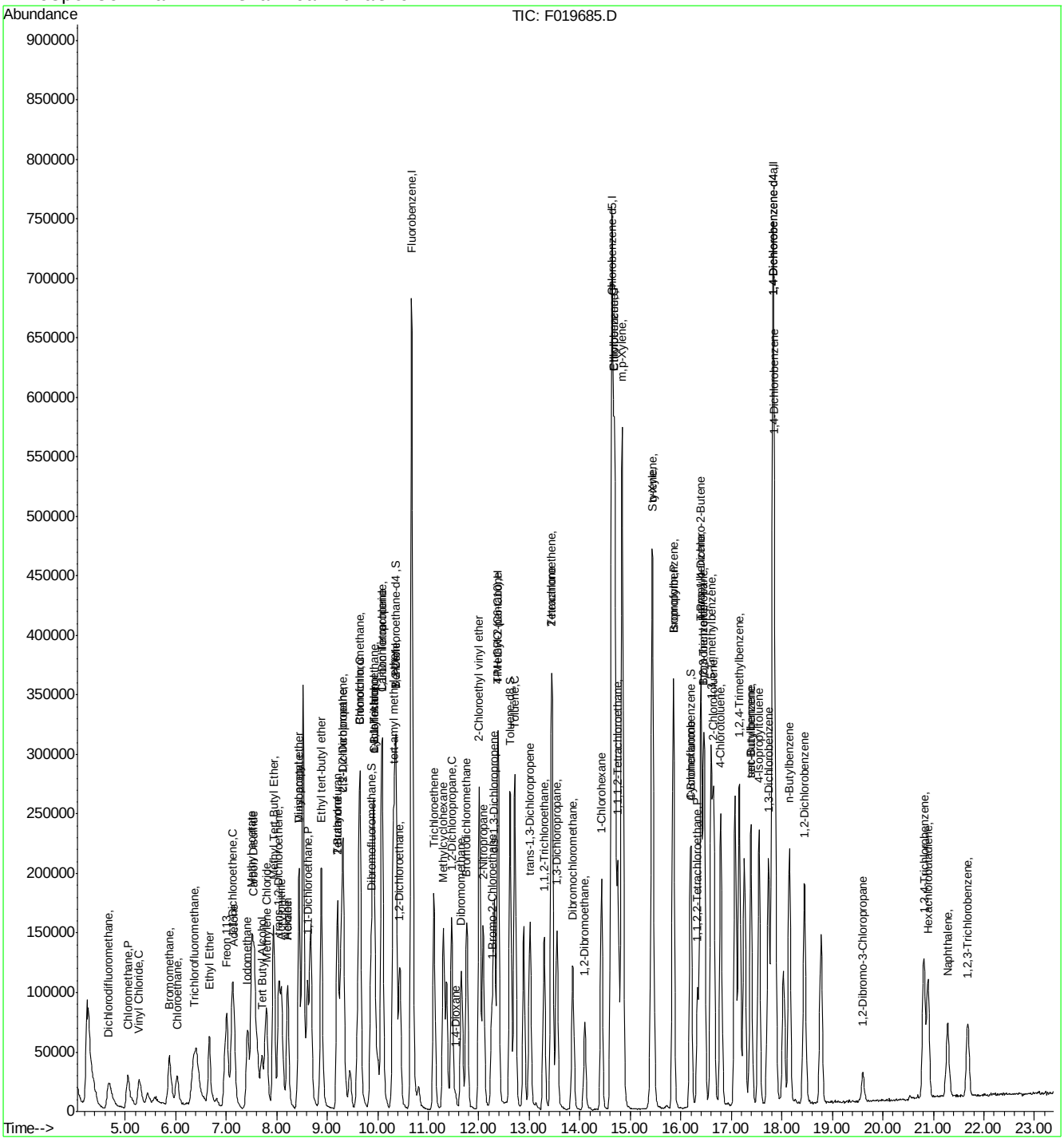
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.60	75	15869	14.40	ug/L	96
92)	1,2,4-Trichlorobenzene	20.81	180	86947	16.04	ug/L	98
93)	Hexachlorobutadiene	20.89	225	42424	14.07	ug/L	93
94)	Naphthalene	21.28	128	121677	14.82	ug/L	99
95)	1,2,3-Trichlorobenzene	21.68	180	48275	13.52	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	34546709m	1035.15	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019685.D VF3547.M Tue Sep 15 09:55:48 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019685.D Vial: 5
Acq On : 14 Sep 2009 2:01 pm Operator: AnjanaP
Sample : ic3547-20 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	954577	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	701182	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	427426	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	427426	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	238951	42.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 84.44%			
38) 1,2-Dichloroethane-d4	10.34	65	335120	42.13	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 84.26%			
54) Toluene-d8	12.62	98	639112	38.02	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 76.04%#			
74) 4-Bromofluorobenzene	16.19	95	316247	39.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 78.50%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	266054	49.63	ug/L	100
3) Chloromethane	5.06	50	264669	55.33	ug/L	100
4) Vinyl Chloride	5.29	62	214010	53.60	ug/L	100
5) Bromomethane	5.87	94	144081	47.44	ug/L	100
6) Chloroethane	6.02	64	105128	41.24	ug/L	100
7) Trichlorofluoromethane	6.37	101	343377	41.45	ug/L	100
8) Acrolein	8.21	56	77736	187.87	ug/L	100
9) Ethyl Ether	6.67	59	140119	40.75	ug/L	100
10) 1,1-Dichloroethene	7.12	61	270698	40.47	ug/L	100
11) Freon 113	7.01	101	168400	39.16	ug/L	100
12) Acetone	7.15	43	270151	217.67	ug/L	100
13) Iodomethane	7.43	142	326886	44.08	ug/L	100
14) Methyl acetate	7.51	43	550559	200.22	ug/L	100
15) Carbon Disulfide	7.55	76	527377	40.02	ug/L	100
16) Methylene Chloride	7.79	49	234689	41.84	ug/L	100
17) Tert Butyl Alcohol	7.70	59	165114	414.56	ug/L	100
18) trans-1,2-Dichloroethene	8.05	61	259932	41.69	ug/L	100
19) Acrylonitrile	8.11	53	209357	187.55	ug/L	100
20) Methyl Tert Butyl Ether	7.94	73	589203	41.71	ug/L	100
21) Hexane	8.21	57	125799	36.52	ug/L	100
22) 1,1-Dichloroethane	8.61	63	331206	42.05	ug/L	100
23) Vinyl acetate	8.44	43	288967	207.54	ug/L	100
24) Di-isopropyl ether	8.44	45	625383	40.58	ug/L	100
25) Ethyl tert-butyl ether	8.88	59	647936	42.79	ug/L	100
26) 2,2-Dichloropropane	9.30	77	269268	41.41	ug/L	100
27) cis-1,2-Dichloroethene	9.32	96	225201	41.55	ug/L	100
28) 2-Butanone	9.21	43	1126152	211.05	ug/L	100
29) Bromochloromethane	9.64	128	117515	43.80	ug/L	100
30) Chloroform	9.65	83	450607	43.16	ug/L	100
31) Tetrahydrofuran	9.21	42	110558	47.27	ug/L	100
32) 1,1,1-Trichloroethane	9.91	97	382857	42.54	ug/L	100
34) Cyclohexane	9.93	56	207457	38.31	ug/L	100
35) n-Butyl Alcohol	9.93	43	17974	362.44	ug/L	100
36) 1,1-Dichloropropene	10.08	75	274753	40.98	ug/L	100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	328366	41.87	ug/L		100
39)	Benzene	10.36	78	627345	40.05	ug/L		100
40)	1,2-Dichloroethane	10.44	62	387366	42.62	ug/L		100
41)	tert-amyl methyl ether	10.31	73	579503	40.63	ug/L		100
42)	Trichloroethene	11.12	95	220655	41.78	ug/L		100
43)	Methylcyclohexane	11.30	83	192623	38.17	ug/L		100
44)	1,2-Dichloropropane	11.46	63	154466	40.07	ug/L		100
45)	Dibromomethane	11.66	93	157548	42.45	ug/L		100
46)	1,4-Dioxane	11.54	88	33481	865.16	ug/L		100
47)	Bromodichloromethane	11.77	83	378507	42.01	ug/L		100
48)	2-Nitropropane	12.09	41	394910	207.67	ug/L		100
49)	2-Chloroethyl vinyl ether	12.01	63	418987	211.18	ug/L		100
50)	1-Bromo-2-Chloroethane	12.26	63	224066	39.80	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	734477	197.20	ug/L		100
52)	cis-1,3-Dichloropropene	12.31	75	350871	41.68	ug/L		100
55)	Toluene	12.71	91	733307	38.99	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	337363	41.35	ug/L		100
57)	1,1,2-Trichloroethane	13.29	83	138375	39.30	ug/L		100
58)	Tetrachloroethene	13.44	166	226077	38.24	ug/L		100
59)	2-hexanone	13.45	43	538811	199.75	ug/L		100
60)	1,3-Dichloropropane	13.55	76	310231	39.19	ug/L		100
61)	Dibromochloromethane	13.86	129	255260	42.06	ug/L		100
62)	1,2-Dibromoethane	14.10	107	198888	40.22	ug/L		100
63)	1-Chlorohexane	14.43	91	261886	39.72	ug/L		100
64)	Chlorobenzene	14.68	112	499033	39.99	ug/L		100
65)	1,1,1,2-Tetrachloroethane	14.76	131	224581	41.62	ug/L		100
66)	Ethylbenzene	14.70	91	939005	40.10	ug/L		100
67)	m,p-Xylene	14.84	91	1470428	81.60	ug/L		100
68)	o-Xylene	15.43	91	770587	41.11	ug/L		100
69)	Styrene	15.45	104	552734	41.46	ug/L		100
70)	Bromoform	15.85	173	184700	42.77	ug/L		100
72)	Isopropylbenzene	15.85	105	739251	38.20	ug/L		100
73)	Cyclohexanone	16.18	55	31173	191.85	ug/L		100
75)	Bromobenzene	16.46	156	267664	38.69	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	203689	38.51	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	82619	42.19	ug/L	#	100
78)	1,2,3-Trichloropropane	16.46	110	78380	38.87	ug/L		100
79)	n-Propylbenzene	16.40	91	1023147	38.57	ug/L		100
80)	2-Chlorotoluene	16.65	91	754964	38.29	ug/L		100
81)	4-Chlorotoluene	16.79	91	710555	38.58	ug/L		100
82)	1,3,5-Trimethylbenzene	16.60	105	683562	38.94	ug/L		100
83)	sec-Butylbenzene	17.39	105	743028	38.38	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	426987	39.52	ug/L		100
85)	4-Isopropyltoluene	17.55	119	606270	38.52	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	450731	40.49	ug/L		100
87)	tert-Butylbenzene	17.39	91	135012	40.48	ug/L		100
88)	n-Butylbenzene	18.15	91	617060	40.50	ug/L		100
89)	1,2-Dichlorobenzene	18.45	146	422157	41.63	ug/L		100
90)	1,2,4-Trimethylbenzene	17.16	105	735859	39.22	ug/L		100

(#) = qualifier out of range (m) = manual integration
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 09:01:13 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

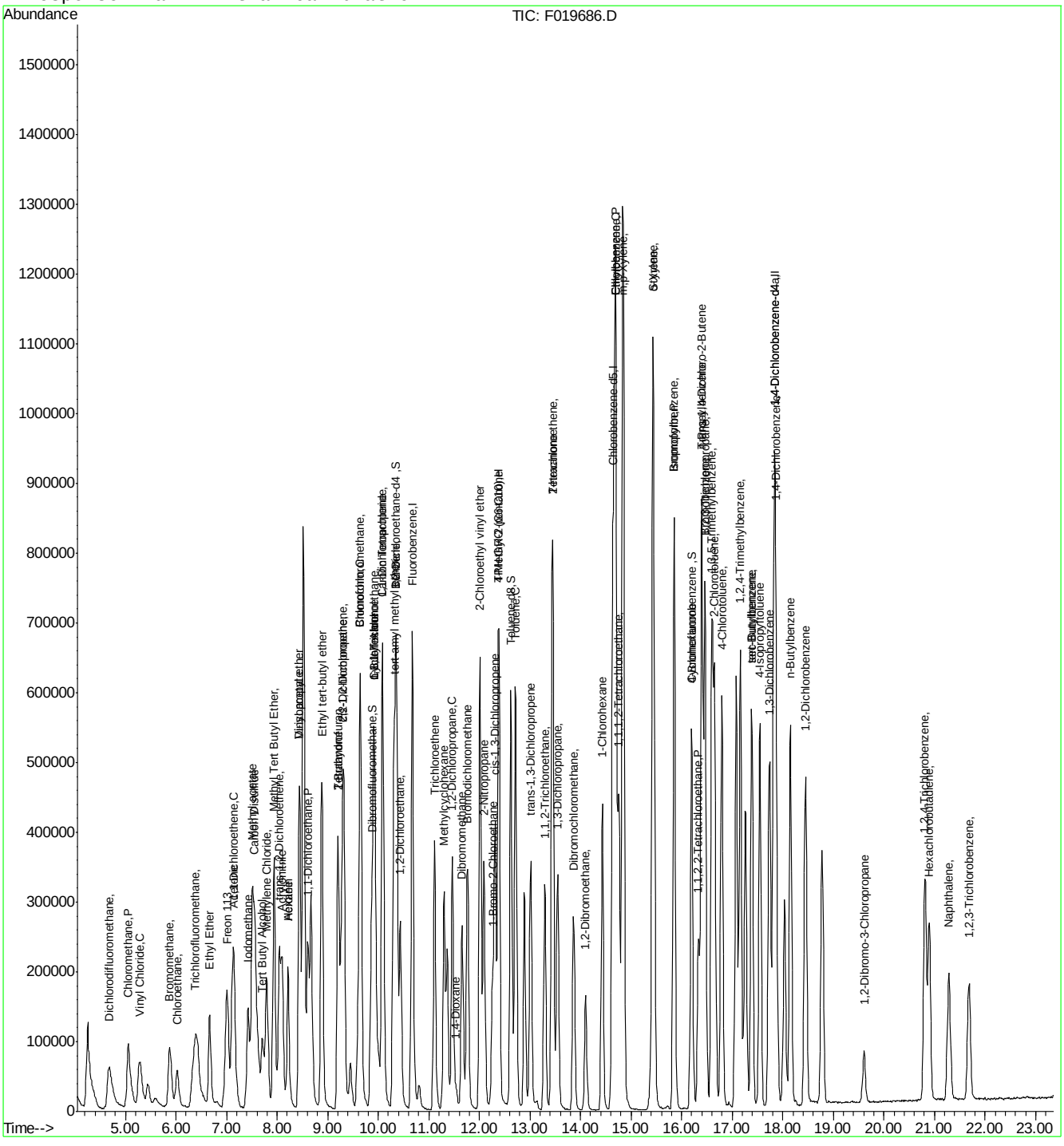
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.60	75	43953	50.61	ug/L	100
92) 1,2,4-Trichlorobenzene	20.82	180	248461	49.42	ug/L	100
93) Hexachlorobutadiene	20.90	225	111950	49.69	ug/L	100
94) Naphthalene	21.28	128	367955	50.16	ug/L	100
95) 1,2,3-Trichlorobenzene	21.69	180	137998	50.22	ug/L	100
97) TPH-GRO (C6-C10)	12.39	TIC	76500698m	1791.76	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019686.D VF3547.M Tue Sep 15 09:55:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019686.D Vial: 6
Acq On : 14 Sep 2009 2:31 pm Operator: AnjanaP
Sample : icc3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 15 9:01 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1439708	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1021100	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	540849	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	540849	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	807310	92.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 185.20%#			
38) 1,2-Dichloroethane-d4	10.34	65	1063847	84.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 169.20%#			
54) Toluene-d8	12.62	98	2357599	95.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 191.78%#			
74) 4-Bromofluorobenzene	16.19	95	1035681	95.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 190.16%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	713289	84.53	ug/L	99
3) Chloromethane	5.07	50	676020	87.04	ug/L	99
4) Vinyl Chloride	5.28	62	559205	73.01	ug/L	98
5) Bromomethane	5.87	94	428867	73.74	ug/L	98
6) Chloroethane	6.02	64	358141	92.25	ug/L	99
7) Trichlorofluoromethane	6.37	101	1111860	87.27	ug/L	100
8) Acrolein	8.21	56	316751	508.45	ug/L	96
9) Ethyl Ether	6.66	59	485395	91.81	ug/L	97
10) 1,1-Dichloroethene	7.12	61	943733	91.89	ug/L	99
11) Freon 113	7.01	101	591511	93.75	ug/L	96
12) Acetone	7.15	43	916749	469.37	ug/L	93
13) Iodomethane	7.43	142	1065520	93.20	ug/L	95
14) Methyl acetate	7.51	43	2089611	452.08	ug/L	99
15) Carbon Disulfide	7.55	76	1936962	97.23	ug/L	98
16) Methylene Chloride	7.79	49	837904	81.02	ug/L	97
17) Tert Butyl Alcohol	7.71	59	567512	921.23	ug/L	63
18) trans-1,2-Dichloroethene	8.05	61	910208	95.77	ug/L	97
19) Acrylonitrile	8.10	53	891951	544.90	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	1987039	90.71	ug/L	98
21) Hexane	8.21	57	518176	99.67	ug/L	92
22) 1,1-Dichloroethane	8.61	63	1116164	92.16	ug/L	97
23) Vinyl acetate	8.44	43	997670	461.82	ug/L	98
24) Di-isopropyl ether	8.44	45	2301021	98.74	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	2225120	96.26	ug/L	99
26) 2,2-Dichloropropane	9.30	77	825455	78.15	ug/L	98
27) cis-1,2-Dichloroethene	9.32	96	765941	91.84	ug/L	98
28) 2-Butanone	9.20	43	4120207	515.98	ug/L	100
29) Bromochloromethane	9.64	128	402863	99.20	ug/L	95
30) Chloroform	9.65	83	1462582	89.73	ug/L	99
31) Tetrahydrofuran	9.21	42	346654	84.06	ug/L	99
32) 1,1,1-Trichloroethane	9.91	97	1231951	86.95	ug/L	100
34) Cyclohexane	9.93	56	848602	105.12	ug/L	91
35) n-Butyl Alcohol	9.93	43	79420	1236.15	ug/L #	85
36) 1,1-Dichloropropene	10.08	75	986569	96.04	ug/L	93

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:53 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	1071023	86.87	ug/L		98
39)	Benzene	10.36	78	2409380	102.15	ug/L		94
40)	1,2-Dichloroethane	10.44	62	1253971	87.79	ug/L		98
41)	tert-amyl methyl ether	10.31	73	2101536	96.23	ug/L		96
42)	Trichloroethene	11.12	95	785129	73.10	ug/L		97
43)	Methylcyclohexane	11.30	83	795530	105.60	ug/L		98
44)	1,2-Dichloropropane	11.46	63	599569	104.52	ug/L		88
45)	Dibromomethane	11.66	93	549422	96.98	ug/L		99
46)	1,4-Dioxane	11.55	88	131960	2102.77	ug/L		94
47)	Bromodichloromethane	11.77	83	1289830	92.39	ug/L		99
48)	2-Nitropropane	12.09	41	1247322	409.05	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	1693674	596.19	ug/L		97
50)	1-Bromo-2-Chloroethane	12.26	63	881945	105.06	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	2808613	496.74	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	1308043	103.62	ug/L		92
55)	Toluene	12.72	91	2741568	100.37	ug/L		100
56)	trans-1,3-Dichloropropene	13.02	75	1201341	101.31	ug/L		96
57)	1,1,2-Trichloroethane	13.29	83	524828	103.29	ug/L		95
58)	Tetrachloroethene	13.44	166	837164	96.21	ug/L		99
59)	2-hexanone	13.46	43	2024231	518.47	ug/L		95
60)	1,3-Dichloropropane	13.55	76	1176042	102.56	ug/L		92
61)	Dibromochloromethane	13.86	129	889491	100.93	ug/L		100
62)	1,2-Dibromoethane	14.10	107	739771	103.91	ug/L		98
63)	1-Chlorohexane	14.43	91	999319	105.49	ug/L		92
64)	Chlorobenzene	14.68	112	1823936	100.40	ug/L		94
65)	1,1,1,2-Tetrachloroethane	14.76	131	756339	94.65	ug/L		97
66)	Ethylbenzene	14.70	91	3287572	94.78	ug/L		98
67)	m,p-Xylene	14.85	91	5105857	191.53	ug/L		96
68)	o-Xylene	15.43	91	2681391	97.16	ug/L		97
69)	Styrene	15.45	104	2052872	107.85	ug/L		95
70)	Bromoform	15.85	173	622075	98.47	ug/L		97
72)	Isopropylbenzene	15.86	105	2602686	108.28	ug/L		98
73)	Cyclohexanone	16.18	55	108933	567.14	ug/L		92
75)	Bromobenzene	16.46	156	900545	103.35	ug/L		98
76)	1,1,2,2-Tetrachloroethane	16.33	83	707704	107.29	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	256272	104.12	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	259666	101.72	ug/L		90
79)	n-Propylbenzene	16.40	91	3495623	104.87	ug/L		100
80)	2-Chlorotoluene	16.65	91	2485836	98.74	ug/L		98
81)	4-Chlorotoluene	16.79	91	2358816	100.97	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	2301625	104.48	ug/L		100
83)	sec-Butylbenzene	17.40	105	2537476	104.04	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	1406651	103.12	ug/L		98
85)	4-Isopropyltoluene	17.55	119	2054969	103.55	ug/L		99
86)	1,4-Dichlorobenzene	17.87	146	1438104	102.21	ug/L		99
87)	tert-Butylbenzene	17.39	91	430884	103.50	ug/L		96
88)	n-Butylbenzene	18.15	91	1930950	99.13	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	1289612	99.82	ug/L		97
90)	1,2,4-Trimethylbenzene	17.17	105	2464214	104.50	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019687.D VF3547.M Tue Sep 15 09:55:54 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D Vial: 7
Acq On : 14 Sep 2009 3:01 pm Operator: AnjanaP
Sample : ic3547-100 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12:57 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:12:51 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	108606	77.50	ug/L	85
92)	1,2,4-Trichlorobenzene	20.82	180	634056	90.38	ug/L	98
93)	Hexachlorobutadiene	20.90	225	288330	75.43	ug/L	96
94)	Naphthalene	21.28	128	927652	88.41	ug/L	98
95)	1,2,3-Trichlorobenzene	21.69	180	343273	76.28	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	262314999m	5167.96	ug/kg	

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

Quantitation Report (QT Reviewed)

```
Data File : C:\MSDCHEM\2\DATA\VF3548\F019687.D          Vial: 7
Acq On    : 14 Sep 2009   3:01 pm                    Operator: AnjanaP
Sample    : ic3547-100                               Inst    : GC/MS F
Misc      : ms6979,vf3548,5,,,5,,water               Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:12 2009               Quant Results File: VF3547.RES

Method       : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title        : SW846 8260B and EPA 624
Last Update  : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration
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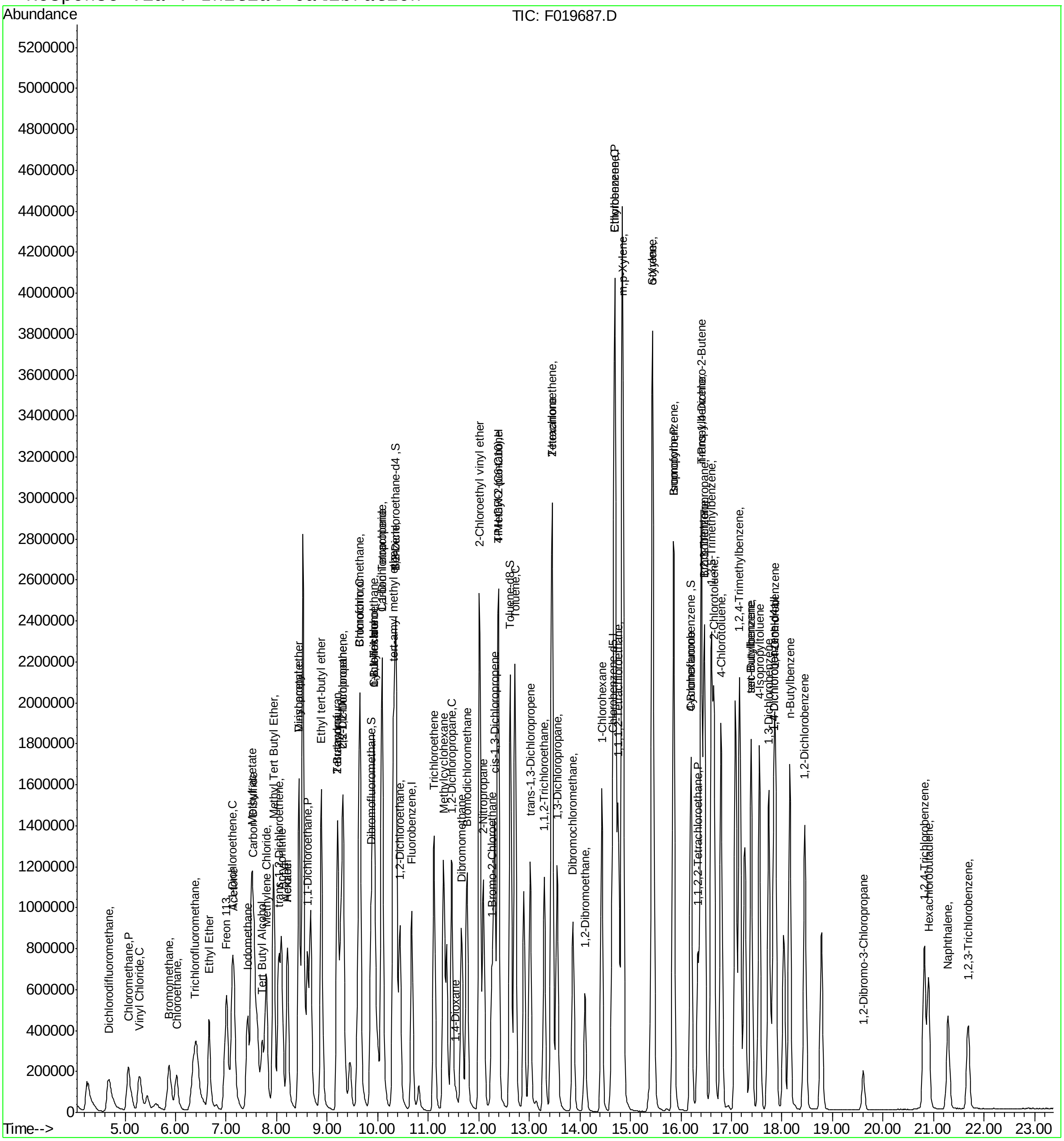


F019687.D VF3547.M Tue Sep 15 09:55:56 2009 Page 4

F019688.D

Manual Integrations APPROVED (compounds with "m" flag)

Jennifer Laidlaw 09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1476971	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	1025997	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	548707	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	548707	50.00	ug/kg	0.00

System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	1659796	187.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 375.80%#			
38) 1,2-Dichloroethane-d4	10.34	65	2146010	170.73	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 341.46%#			
54) Toluene-d8	12.62	98	4995482	203.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 407.20%#			
74) 4-Bromofluorobenzene	16.19	95	2098803	191.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 133		Recovery = 382.98%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.68	85	1492242	176.93	ug/L	96
3) Chloromethane	5.07	50	1457668	186.98	ug/L	98
4) Vinyl Chloride	5.28	62	1220567	204.89	ug/L	96
5) Bromomethane	5.84	94	915186	160.41	ug/L	98
6) Chloroethane	6.01	64	793056	214.12	ug/L	99
7) Trichlorofluoromethane	6.35	101	2434945	211.03	ug/L	100
8) Acrolein	8.21	56	636030	992.40	ug/L	96
9) Ethyl Ether	6.66	59	1028447	192.23	ug/L	99
10) 1,1-Dichloroethene	7.12	61	2017355	194.10	ug/L	98
11) Freon 113	7.01	101	1303615	214.21	ug/L	94
12) Acetone	7.16	43	1840933	979.10	ug/L	92
13) Iodomethane	7.43	142	2147119	185.16	ug/L	94
14) Methyl acetate	7.51	43	4294360	920.34	ug/L	98
15) Carbon Disulfide	7.54	76	4135455	203.28	ug/L	97
16) Methylene Chloride	7.80	49	1712823	166.71	ug/L	99
17) Tert Butyl Alcohol	7.73	59	1143348	1833.21	ug/L	77
18) trans-1,2-Dichloroethene	8.05	61	1888547	195.08	ug/L	98
19) Acrylonitrile	8.11	53	1863395	1093.28	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	4050248	183.06	ug/L	97
21) Hexane	8.21	57	1065780	199.93	ug/L	89
22) 1,1-Dichloroethane	8.61	63	2348984	191.56	ug/L	96
23) Vinyl acetate	8.45	43	1952353	892.30	ug/L	97
24) Di-isopropyl ether	8.44	45	4754627	199.29	ug/L	94
25) Ethyl tert-butyl ether	8.88	59	4524258	191.99	ug/L	98
26) 2,2-Dichloropropane	9.30	77	1556808	149.10	ug/L	96
27) cis-1,2-Dichloroethene	9.33	96	1613625	191.19	ug/L	93
28) 2-Butanone	9.21	43	8380228	1017.58	ug/L	100
29) Bromochloromethane	9.64	128	819400	196.95	ug/L	96
30) Chloroform	9.65	83	2893627	176.06	ug/L	99
31) Tetrahydrofuran	9.21	42	701728	193.50	ug/L	97
32) 1,1,1-Trichloroethane	9.91	97	2429943	170.89	ug/L	99
34) Cyclohexane	9.94	56	1706287	204.29	ug/L	91
35) n-Butyl Alcohol	9.93	43	152172	1904.44	ug/L #	84
36) 1,1-Dichloropropene	10.08	75	1960437	187.26	ug/L	92

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:56 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	2141524	173.11	ug/L		98
39)	Benzene	10.36	78	4786563	197.10	ug/L		95
40)	1,2-Dichloroethane	10.44	62	2460607	171.40	ug/L		97
41)	tert-amyl methyl ether	10.31	73	4180960	187.79	ug/L		97
42)	Trichloroethene	11.12	95	1598004	151.83	ug/L		98
43)	Methylcyclohexane	11.30	83	1569193	201.16	ug/L		99
44)	1,2-Dichloropropane	11.47	63	1234605	208.23	ug/L		86
45)	Dibromomethane	11.66	93	1100434	190.29	ug/L		98
46)	1,4-Dioxane	11.55	88	269055	3961.68	ug/L		92
47)	Bromodichloromethane	11.77	83	2550542	180.37	ug/L		100
48)	2-Nitropropane	12.10	41	2395577	789.74	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	3441389	1144.15	ug/L		98
50)	1-Bromo-2-Chloroethane	12.26	63	1773914	204.27	uL/L		99
51)	4-Methyl-2-pentanone	12.39	43	5575494	962.26	ug/L		96
52)	cis-1,3-Dichloropropene	12.32	75	2601305	199.67	ug/L		90
55)	Toluene	12.72	91	5568197	202.75	ug/L		99
56)	trans-1,3-Dichloropropene	13.02	75	2382181	199.49	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	1051897	204.91	ug/L		93
58)	Tetrachloroethene	13.44	166	1684894	193.94	ug/L		99
59)	2-hexanone	13.46	43	3946765	999.92	ug/L		94
60)	1,3-Dichloropropane	13.55	76	2330148	201.38	ug/L		92
61)	Dibromochloromethane	13.87	129	1789924	201.82	ug/L		99
62)	1,2-Dibromoethane	14.10	107	1490475	207.01	ug/L		98
63)	1-Chlorohexane	14.43	91	1980649	206.19	ug/L		93
64)	Chlorobenzene	14.69	112	3643366	199.46	ug/L		95
65)	1,1,1,2-Tetrachloroethane	14.76	131	1505471	189.18	ug/L		95
66)	Ethylbenzene	14.70	91	6513282	188.52	ug/L		99
67)	m,p-Xylene	14.85	91	9998480	375.93	ug/L		96
68)	o-Xylene	15.43	91	5281271	191.35	ug/L		97
69)	Styrene	15.46	104	4058969	209.48	ug/L		91
70)	Bromoform	15.85	173	1248450	197.18	ug/L		97
72)	Isopropylbenzene	15.86	105	5112837	206.82	ug/L		98
73)	Cyclohexanone	16.19	55	209175	954.19	ug/L		95
75)	Bromobenzene	16.47	156	1767695	198.85	ug/L		97
76)	1,1,2,2-Tetrachloroethane	16.34	83	1378777	203.56	ug/L		99
77)	Trans-1,4-Dichloro-2-Buten	16.41	53	502682	199.94	ug/L	#	96
78)	1,2,3-Trichloropropane	16.46	110	507411	195.37	ug/L		92
79)	n-Propylbenzene	16.40	91	6771023	198.62	ug/L		100
80)	2-Chlorotoluene	16.66	91	4850993	190.33	ug/L		98
81)	4-Chlorotoluene	16.79	91	4613606	194.34	ug/L		96
82)	1,3,5-Trimethylbenzene	16.61	105	4528891	201.13	ug/L		98
83)	sec-Butylbenzene	17.39	105	4898318	196.64	ug/L		100
84)	1,3-Dichlorobenzene	17.74	146	2726747	196.01	ug/L		98
85)	4-Isopropyltoluene	17.55	119	3982704	196.64	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	2812589	196.31	ug/L		99
87)	tert-Butylbenzene	17.39	91	832680	191.43	ug/L		91
88)	n-Butylbenzene	18.15	91	3703796	187.69	ug/L		98
89)	1,2-Dichlorobenzene	18.46	146	2500221	190.81	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	4794167	198.90	ug/L		99

(#) = qualifier out of range (m) = manual integration
F019688.D VF3547.M Tue Sep 15 09:55:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13:53 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:13:36 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

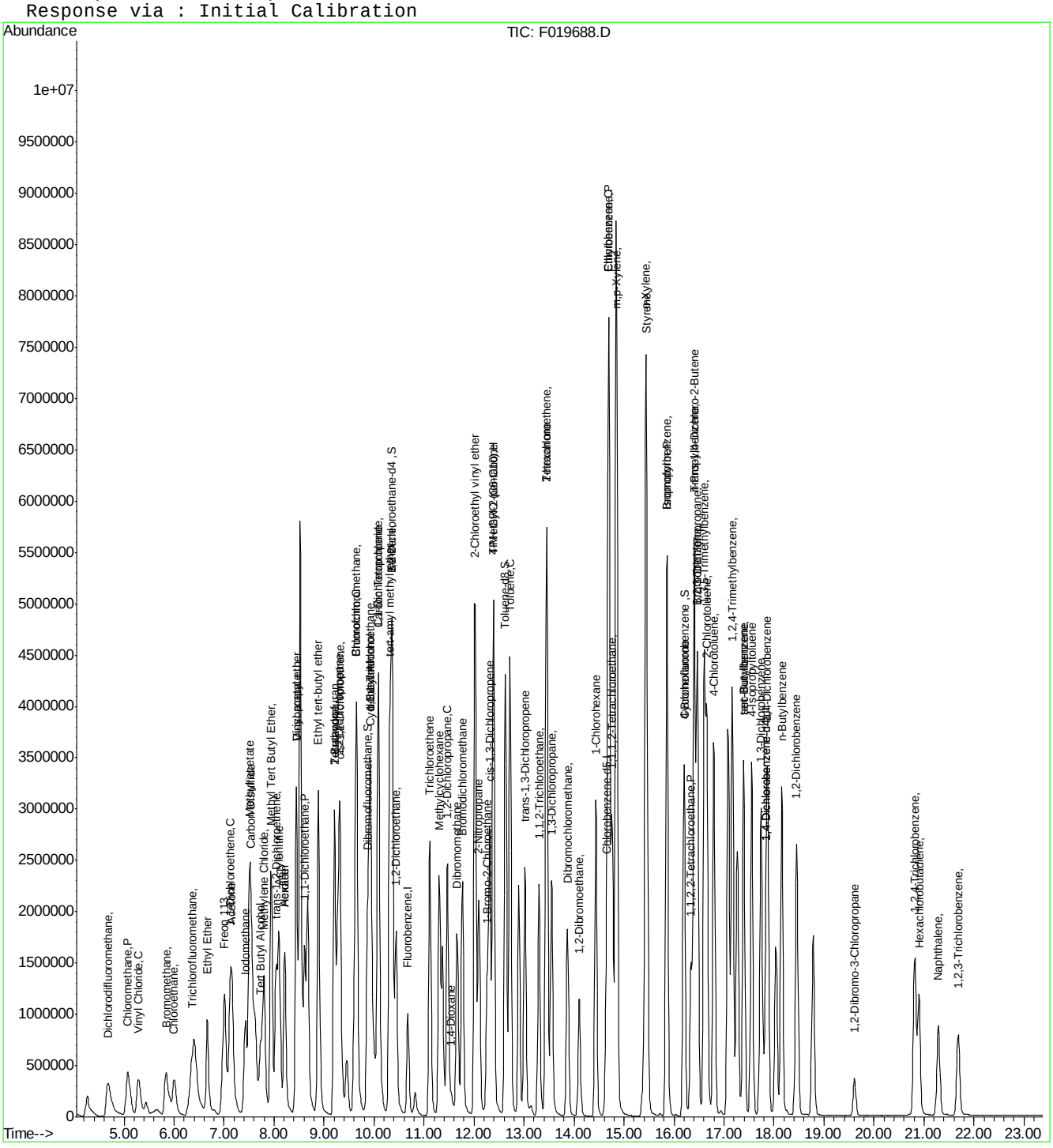
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	209616	153.18	ug/L	87
92)	1,2,4-Trichlorobenzene	20.82	180	1235269	176.39	ug/L	100
93)	Hexachlorobutadiene	20.90	225	536202	144.17	ug/L	97
94)	Naphthalene	21.28	128	1803651	172.78	ug/L	100
95)	1,2,3-Trichlorobenzene	21.68	180	669734	152.72	ug/L	98
97)	TPH-GRO (C6-C10)	12.39	TIC	547322666m	8238.03	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019688.D Vial: 8
Acq On : 14 Sep 2009 3:31 pm Operator: AnjanaP
Sample : ic3547-200 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:13 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1373790	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	980668	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	560245	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	560245	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	359851	44.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.36%			
38) 1,2-Dichloroethane-d4	10.34	65	473223	41.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 82.68%			
54) Toluene-d8	12.62	98	1106653	47.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 94.14%			
74) 4-Bromofluorobenzene	16.20	95	486748	45.98	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 91.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	192937	25.01	ug/L	93
3) Chloromethane	5.06	50	248207	35.60	ug/L	96
4) Vinyl Chloride	5.28	62	210341	35.92	ug/L	96
5) Bromomethane	5.88	94	169958	38.53	ug/L	98
6) Chloroethane	6.03	64	127170	34.67	ug/L	99
7) Trichlorofluoromethane	6.37	101	375252	31.47	ug/L	99
8) Acrolein	8.21	56	127971	214.90	ug/L	99
9) Ethyl Ether	6.67	59	167179	33.78	ug/L	99
10) 1,1-Dichloroethene	7.12	61	381532	39.63	ug/L	98
11) Freon 113	7.01	101	246918	39.90	ug/L	96
12) Acetone	7.15	43	353713	197.04	ug/L	90
13) Iodomethane	7.43	142	458179	42.93	ug/L	94
14) Methyl acetate	7.51	43	785474	198.50	ug/L	97
15) Carbon Disulfide	7.55	76	831950	43.86	ug/L	98
16) Methylene Chloride	7.79	49	320141	39.63	ug/L	99
17) Tert Butyl Alcohol	7.71	59	210067	366.48	ug/L	92
18) trans-1,2-Dichloroethene	8.05	61	369280	41.15	ug/L	98
19) Acrylonitrile	8.11	53	344422	214.40	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	773244	38.03	ug/L	97
21) Hexane	8.22	57	215854	43.54	ug/L	88
22) 1,1-Dichloroethane	8.61	63	437518	38.59	ug/L	96
23) Vinyl acetate	8.44	43	374583	186.93	ug/L	97
24) Di-isopropyl ether	8.44	45	885451	39.92	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	830768	38.12	ug/L	98
26) 2,2-Dichloropropane	9.30	77	321175	34.32	ug/L	97
27) cis-1,2-Dichloroethene	9.33	96	295716	37.91	ug/L	95
28) 2-Butanone	9.21	43	1536273	200.05	ug/L	100
29) Bromochloromethane	9.64	128	153249	39.69	ug/L	88
30) Chloroform	9.65	83	551988	36.74	ug/L	99
31) Tetrahydrofuran	9.21	42	133158	39.30	ug/L	99
32) 1,1,1-Trichloroethane	9.92	97	460991	35.60	ug/L	97
34) Cyclohexane	9.93	56	337871	43.36	ug/L	92
35) n-Butyl Alcohol	9.94	43	27949	391.56	ug/L #	77
36) 1,1-Dichloropropene	10.08	75	368194	38.16	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	398571	35.32	ug/L		99
39)	Benzene	10.37	78	913929	40.54	ug/L		90
40)	1,2-Dichloroethane	10.44	62	465945	35.62	ug/L		98
41)	tert-amyl methyl ether	10.31	73	768253	37.42	ug/L		97
42)	Trichloroethene	11.12	95	298728	39.23	ug/L		98
43)	Methylcyclohexane	11.30	83	305984	42.14	ug/L		98
44)	1,2-Dichloropropane	11.47	63	228436	41.18	ug/L		89
45)	Dibromomethane	11.66	93	203805	38.15	ug/L		98
46)	1,4-Dioxane	11.54	88	49048	880.66	ug/L		91
47)	Bromodichloromethane	11.77	83	456093	35.17	ug/L		100
48)	2-Nitropropane	12.09	41	501123	183.11	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	592457	207.49	ug/L		99
50)	1-Bromo-2-Chloroethane	12.26	63	334615	41.30	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	1071125	199.82	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	479641	39.59	ug/L		92
55)	Toluene	12.72	91	1057431	40.20	ug/L		98
56)	trans-1,3-Dichloropropene	13.02	75	464985	40.75	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	192826	39.16	ug/L		94
58)	Tetrachloroethene	13.44	166	311594	37.69	ug/L		99
59)	2-hexanone	13.46	43	736532	195.23	ug/L		95
60)	1,3-Dichloropropane	13.55	76	424250	38.32	ug/L		93
61)	Dibromochloromethane	13.86	129	320773	37.79	ug/L		99
62)	1,2-Dibromoethane	14.10	107	275632	39.85	ug/L		99
63)	1-Chlorohexane	14.43	91	375033	40.67	ug/L		95
64)	Chlorobenzene	14.69	112	697906	39.99	ug/L		96
65)	1,1,1,2-Tetrachloroethane	14.76	131	281931	37.35	ug/L		94
66)	Ethylbenzene	14.70	91	1241852	37.92	ug/L		99
67)	m,p-Xylene	14.85	91	1951024	77.41	ug/L		97
68)	o-Xylene	15.43	91	1056520	40.30	ug/L		96
69)	Styrene	15.45	104	761871	40.86	ug/L		96
70)	Bromoform	15.85	173	232880	38.56	ug/L		99
72)	Isopropylbenzene	15.86	105	1068498	42.13	ug/L		97
73)	Cyclohexanone	16.19	55	75906	353.97	ug/L	#	81
75)	Bromobenzene	16.47	156	358461	39.53	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	276180	39.83	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	99652	38.82	ug/L	#	95
78)	1,2,3-Trichloropropane	16.46	110	92253	34.90	ug/L		93
79)	n-Propylbenzene	16.40	91	1391425	40.01	ug/L		99
80)	2-Chlorotoluene	16.66	91	994862	38.50	ug/L		97
81)	4-Chlorotoluene	16.80	91	939398	38.91	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	923721	40.15	ug/L		100
83)	sec-Butylbenzene	17.40	105	1021073	40.24	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	561076	39.61	ug/L		98
85)	4-Isopropyltoluene	17.55	119	810567	39.29	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	578151	39.63	ug/L		98
87)	tert-Butylbenzene	17.39	91	173634	39.70	ug/L		92
88)	n-Butylbenzene	18.15	91	749593	37.53	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	516399	38.85	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	957040	38.92	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

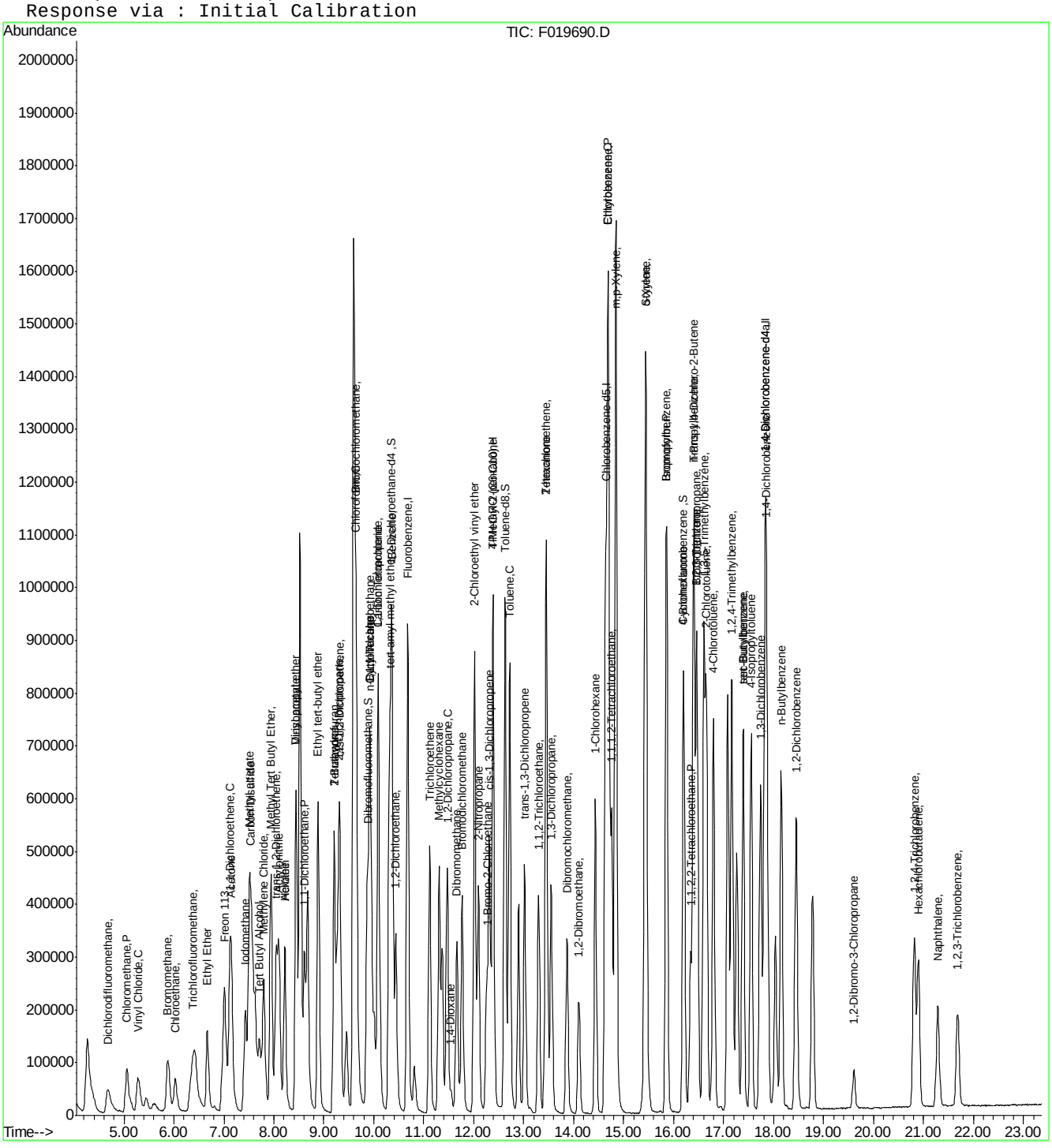
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) 1,2-Dibromo-3-Chloropropan	19.61	75	43287	37.19	ug/L	89
92) 1,2,4-Trichlorobenzene	20.82	180	259982	39.02	ug/L	98
93) Hexachlorobutadiene	20.90	225	124330	41.52	ug/L	98
94) Naphthalene	21.29	128	388968	40.05	ug/L	100
95) 1,2,3-Trichlorobenzene	21.69	180	150896	41.43	ug/L	99
97) TPH-GRO (C6-C10)	12.39	TIC	106578563m	1901.22	ug/kg	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
09/15/09 17:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.67	96	1373790	50.00	ug/L	0.00
53) Chlorobenzene-d5	14.64	117	980668	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	17.83	152	560245	50.00	ug/L	0.00
96) 1,4-Dichlorobenzene-d4a	17.83	152	560245	50.00	ug/kg	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	9.87	113	359851	44.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 122		Recovery = 88.36%			
38) 1,2-Dichloroethane-d4	10.34	65	473223	41.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 121		Recovery = 82.68%			
54) Toluene-d8	12.62	98	1106653	47.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 119		Recovery = 94.14%			
74) 4-Bromofluorobenzene	16.20	95	486748	45.98	ug/L	0.01
Spiked Amount 50.000	Range 80 - 133		Recovery = 91.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.67	85	192937	25.01	ug/L	93
3) Chloromethane	5.06	50	248207	35.60	ug/L	96
4) Vinyl Chloride	5.28	62	210341	35.92	ug/L	96
5) Bromomethane	5.88	94	169958	38.53	ug/L	98
6) Chloroethane	6.03	64	127170	34.67	ug/L	99
7) Trichlorofluoromethane	6.37	101	375252	31.47	ug/L	99
8) Acrolein	8.21	56	127971	214.90	ug/L	99
9) Ethyl Ether	6.67	59	167179	33.78	ug/L	99
10) 1,1-Dichloroethene	7.12	61	381532	39.63	ug/L	98
11) Freon 113	7.01	101	246918	39.90	ug/L	96
12) Acetone	7.15	43	353713	197.04	ug/L	90
13) Iodomethane	7.43	142	458179	42.93	ug/L	94
14) Methyl acetate	7.51	43	785474	198.50	ug/L	97
15) Carbon Disulfide	7.55	76	831950	43.86	ug/L	98
16) Methylene Chloride	7.79	49	320141	39.63	ug/L	99
17) Tert Butyl Alcohol	7.71	59	210067	366.48	ug/L	92
18) trans-1,2-Dichloroethene	8.05	61	369280	41.15	ug/L	98
19) Acrylonitrile	8.11	53	344422	214.40	ug/L	96
20) Methyl Tert Butyl Ether	7.94	73	773244	38.03	ug/L	97
21) Hexane	8.22	57	215854	43.54	ug/L	88
22) 1,1-Dichloroethane	8.61	63	437518	38.59	ug/L	96
23) Vinyl acetate	8.44	43	374583	186.93	ug/L	97
24) Di-isopropyl ether	8.44	45	885451	39.92	ug/L	96
25) Ethyl tert-butyl ether	8.88	59	830768	38.12	ug/L	98
26) 2,2-Dichloropropane	9.30	77	321175	34.32	ug/L	97
27) cis-1,2-Dichloroethene	9.33	96	295716	37.91	ug/L	95
28) 2-Butanone	9.21	43	1536273	200.05	ug/L	100
29) Bromochloromethane	9.64	128	153249	39.69	ug/L	88
30) Chloroform	9.65	83	551988	36.74	ug/L	99
31) Tetrahydrofuran	9.21	42	133158	39.30	ug/L	99
32) 1,1,1-Trichloroethane	9.92	97	460991	35.60	ug/L	97
34) Cyclohexane	9.93	56	337871	43.36	ug/L	92
35) n-Butyl Alcohol	9.94	43	27949	391.56	ug/L #	77
36) 1,1-Dichloropropene	10.08	75	368194	38.16	ug/L	96

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Carbon Tetrachloride	10.08	117	398571	35.32	ug/L		99
39)	Benzene	10.37	78	913929	40.54	ug/L		90
40)	1,2-Dichloroethane	10.44	62	465945	35.62	ug/L		98
41)	tert-amyl methyl ether	10.31	73	768253	37.42	ug/L		97
42)	Trichloroethene	11.12	95	298728	39.23	ug/L		98
43)	Methylcyclohexane	11.30	83	305984	42.14	ug/L		98
44)	1,2-Dichloropropane	11.47	63	228436	41.18	ug/L		89
45)	Dibromomethane	11.66	93	203805	38.15	ug/L		98
46)	1,4-Dioxane	11.54	88	49048	880.66	ug/L		91
47)	Bromodichloromethane	11.77	83	456093	35.17	ug/L		100
48)	2-Nitropropane	12.09	41	501123	183.11	ug/L		97
49)	2-Chloroethyl vinyl ether	12.01	63	592457	207.49	ug/L		99
50)	1-Bromo-2-Chloroethane	12.26	63	334615	41.30	uL/L		100
51)	4-Methyl-2-pentanone	12.39	43	1071125	199.82	ug/L		97
52)	cis-1,3-Dichloropropene	12.31	75	479641	39.59	ug/L		92
55)	Toluene	12.72	91	1057431	40.20	ug/L		98
56)	trans-1,3-Dichloropropene	13.02	75	464985	40.75	ug/L		95
57)	1,1,2-Trichloroethane	13.30	83	192826	39.16	ug/L		94
58)	Tetrachloroethene	13.44	166	311594	37.69	ug/L		99
59)	2-hexanone	13.46	43	736532	195.23	ug/L		95
60)	1,3-Dichloropropane	13.55	76	424250	38.32	ug/L		93
61)	Dibromochloromethane	13.86	129	320773	37.79	ug/L		99
62)	1,2-Dibromoethane	14.10	107	275632	39.85	ug/L		99
63)	1-Chlorohexane	14.43	91	375033	40.67	ug/L		95
64)	Chlorobenzene	14.69	112	697906	39.99	ug/L		96
65)	1,1,1,2-Tetrachloroethane	14.76	131	281931	37.35	ug/L		94
66)	Ethylbenzene	14.70	91	1241852	37.92	ug/L		99
67)	m,p-Xylene	14.85	91	1951024	77.41	ug/L		97
68)	o-Xylene	15.43	91	1056520	40.30	ug/L		96
69)	Styrene	15.45	104	761871	40.86	ug/L		96
70)	Bromoform	15.85	173	232880	38.56	ug/L		99
72)	Isopropylbenzene	15.86	105	1068498	42.13	ug/L		97
73)	Cyclohexanone	16.19	55	75906	353.97	ug/L	#	81
75)	Bromobenzene	16.47	156	358461	39.53	ug/L		100
76)	1,1,2,2-Tetrachloroethane	16.33	83	276180	39.83	ug/L		100
77)	Trans-1,4-Dichloro-2-Buten	16.40	53	99652	38.82	ug/L	#	95
78)	1,2,3-Trichloropropane	16.46	110	92253	34.90	ug/L		93
79)	n-Propylbenzene	16.40	91	1391425	40.01	ug/L		99
80)	2-Chlorotoluene	16.66	91	994862	38.50	ug/L		97
81)	4-Chlorotoluene	16.80	91	939398	38.91	ug/L		96
82)	1,3,5-Trimethylbenzene	16.60	105	923721	40.15	ug/L		100
83)	sec-Butylbenzene	17.40	105	1021073	40.24	ug/L		99
84)	1,3-Dichlorobenzene	17.74	146	561076	39.61	ug/L		98
85)	4-Isopropyltoluene	17.55	119	810567	39.29	ug/L		100
86)	1,4-Dichlorobenzene	17.87	146	578151	39.63	ug/L		98
87)	tert-Butylbenzene	17.39	91	173634	39.70	ug/L		92
88)	n-Butylbenzene	18.15	91	749593	37.53	ug/L		99
89)	1,2-Dichlorobenzene	18.46	146	516399	38.85	ug/L		96
90)	1,2,4-Trimethylbenzene	17.17	105	957040	38.92	ug/L		98

(#) = qualifier out of range (m) = manual integration
F019690.D VF3547.M Tue Sep 15 09:56:00 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21:12 2009 Quant Results File: VF3547.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Mon Sep 14 17:20:48 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

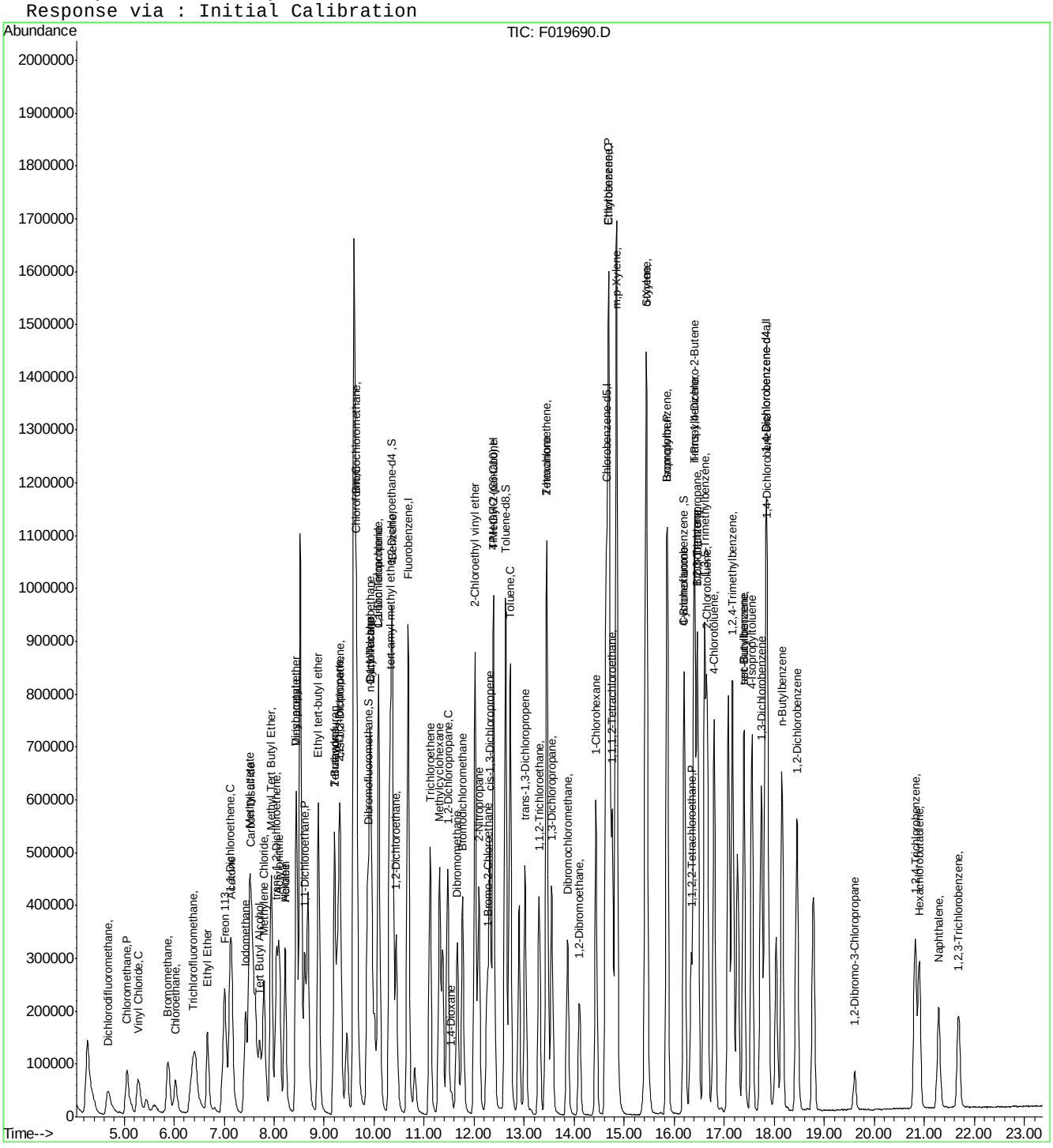
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,2-Dibromo-3-Chloropropan	19.61	75	43287	37.19	ug/L	89
92)	1,2,4-Trichlorobenzene	20.82	180	259982	39.02	ug/L	98
93)	Hexachlorobutadiene	20.90	225	124330	41.52	ug/L	98
94)	Naphthalene	21.29	128	388968	40.05	ug/L	100
95)	1,2,3-Trichlorobenzene	21.69	180	150896	41.43	ug/L	99
97)	TPH-GRO (C6-C10)	12.39	TIC	106578563m	1901.22	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3548\F019690.D Vial: 10
Acq On : 14 Sep 2009 4:31 pm Operator: AnjanaP
Sample : icv3547-40 Inst : GC/MS F
Misc : ms6979,vf3548,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 17:21 2009 Quant Results File: VF3547.RES

Method : C:\MSDCHEM\2\METHODS\VF3547.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Tue Sep 15 08:59:11 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/09/09 14:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020626.D Vial: 24
Acq On : 8 Oct 2009 8:42 pm Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:14 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.64	96	983492	50.00	ug/L	0.02
61) Chlorobenzene-d5	14.61	117	722271	50.00	ug/L	0.02
80) 1,4-Dichlorobenzene-d4	17.80	152	406688	50.00	ug/L	0.02
107) 1,4-Dichlorobenzene-d4a	17.80	152	406688	50.00	ug/kg	0.02

System Monitoring Compounds						
39) Dibromofluoromethane	9.83	113	228858	39.25	ug/L	0.01
Spiked Amount 50.000	Range 79 - 122		Recovery = 78.50%#			
45) 1,2-Dichloroethane-d4	10.31	65	314836	42.20	ug/L	0.02
Spiked Amount 50.000	Range 75 - 121		Recovery = 84.40%			
62) Toluene-d8	12.59	98	637647	37.74	ug/L	0.02
Spiked Amount 50.000	Range 87 - 119		Recovery = 75.48%#			
83) 4-Bromofluorobenzene	16.17	95	284810	37.19	ug/L	0.03
Spiked Amount 50.000	Range 80 - 133		Recovery = 74.38%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.63	85	199737	36.16	ug/L	100
3) Chloromethane	5.00	50	148781	29.59	ug/L	100
4) Vinyl Chloride	5.21	62	151241	36.37	ug/L	95
5) Bromomethane	5.82	94	162551	52.13	ug/L	96
6) Chloroethane	5.97	64	109925	41.86	ug/L	98
7) Trichlorofluoromethane	6.33	101	329783	38.64	ug/L	98
8) Acrolein	8.18	56	78830	184.92	ug/L	97
9) Ethyl Ether	6.63	59	134297	37.91	ug/L	97
10) 1,1-Dichloroethene	7.06	61	311878	45.25	ug/L	99
11) Freon 113	6.96	101	195983	44.23	ug/L	97
12) Acetone	7.11	43	259051	201.83	ug/L	96
13) Iodomethane	7.38	142	365768	47.88	ug/L	97
14) Methyl acetate	7.47	43	575941	203.26	ug/L	98
15) Allyl Chloride	7.52	41	217789m	44.04	uL/L	
16) Carbon Disulfide	7.51	76	559238	41.19	ug/L	96
17) Acetonitrile	7.52	41	106141m	118.81	uL/L	
18) Methylene Chloride	7.74	49	249607	43.22	ug/L	98
19) Tert Butyl Alcohol	7.67	59	165613	403.58	ug/L	95
20) trans-1,2-Dichloroethene	8.01	61	279807	43.56	ug/L	95
21) Acrylonitrile	8.07	53	212537	184.81	ug/L	95
22) Methyl Tert Butyl Ether	7.90	73	612947	42.11	ug/L	99
23) Hexane	8.18	57	129771	36.56	ug/L	95
24) 1,1-Dichloroethane	8.58	63	326629	40.25	ug/L	96
25) Vinyl acetate	8.49	43	2058863	202.08	ug/L	98
26) Di-isopropyl ether	8.41	45	607743	38.27	ug/L	99
27) Chloroprene	8.64	53	294890	39.20	uL/L	96
28) Ethyl tert-butyl ether	8.84	59	654876	41.97	ug/L	98
29) 2,2-Dichloropropane	9.27	77	231829	34.60	ug/L	98
30) cis-1,2-Dichloroethene	9.29	96	215800	38.64	ug/L	90
31) Ethyl Acetate	9.17	43	1144456	208.17	uL/L	99
32) 2-Butanone	9.17	43	1144456	208.17	ug/L	100
33) Propionitrile	9.41	54	90090	214.22	uL/L	99
34) Methacrylonitrile	9.56	41	138274	37.43	uL/L	95
35) Bromochloromethane	9.61	128	120255	43.50	ug/L	94

(#) = qualifier out of range (m) = manual integration
F020626.D VF3547AP9G.M Fri Oct 09 11:52:23 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020626.D Vial: 24
Acq On : 8 Oct 2009 8:42 pm Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:14 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Chloroform	9.62	83	440499	40.95	ug/L		98
37)	Tetrahydrofuran	9.17	42	104633	43.29	ug/L		95
38)	1,1,1-Trichloroethane	9.88	97	364148	39.28	ug/L		99
40)	Cyclohexane	9.90	56	211850	37.97	ug/L		97
41)	Isobutyl Alcohol	9.98	43	47430	697.23	uL/L		96
42)	n-Butyl Alcohol	10.78	56	29543	727.19	ug/L		79
43)	1,1-Dichloropropene	10.05	75	286520	41.48	ug/L		94
44)	Carbon Tetrachloride	10.05	117	332292	41.13	ug/L		98
46)	Benzene	10.33	78	673319	41.72	ug/L		90
47)	1,2-Dichloroethane	10.41	62	376241	40.18	ug/L		99
48)	tert-amyl methyl ether	10.28	73	619448	42.15	ug/L		96
49)	Trichloroethene	11.09	95	225674	41.46	ug/L		96
50)	Methylcyclohexane	11.27	83	197034	37.90	ug/L		98
51)	Methyl Methacrylate	11.33	41	169859	39.41	uL/L		97
52)	1,2-Dichloropropane	11.43	63	161645	40.70	ug/L		94
53)	Dibromomethane	11.63	93	162105	42.39	ug/L		99
54)	1,4-Dioxane	11.51	88	34760	871.80	ug/L		91
55)	Bromodichloromethane	11.74	83	359308	38.70	ug/L		98
56)	2-Nitropropane	12.06	41	393676	200.94	ug/L		98
57)	2-Chloroethyl vinyl ether	11.98	63	515572	252.22	ug/L		96
58)	1-Bromo-2-Chloroethane	12.23	63	162350	27.99	uL/L		99
59)	4-Methyl-2-pentanone	12.36	43	741035	193.11	ug/L		99
60)	cis-1,3-Dichloropropene	12.28	75	344988	39.78	ug/L		95
63)	Toluene	12.69	91	769417	39.72	ug/L		98
64)	Ethyl Methacrylate	12.87	69	259175	41.96	uL/:		98
65)	trans-1,3-Dichloropropene	12.99	75	329919	39.26	ug/L		97
66)	1,1,2-Trichloroethane	13.27	83	145394	40.09	ug/L		92
67)	Tetrachloroethene	13.42	166	237879	39.06	ug/L		97
68)	2-hexanone	13.43	43	539653	194.22	ug/L		98
69)	1,3-Dichloropropane	13.52	76	320354	39.29	ug/L		95
70)	Dibromochloromethane	13.83	129	248101	39.69	ug/L		98
71)	1,2-Dibromoethane	14.07	107	206692	40.58	ug/L		99
72)	1-Chlorohexane	14.40	91	244885	36.05	ug/L		94
73)	Chlorobenzene	14.66	112	502509	39.09	ug/L		98
74)	1,1,1,2-Tetrachloroethane	14.73	131	219864	39.55	ug/L		98
75)	Ethylbenzene	14.67	91	910360	37.74	ug/L		100
76)	m,p-Xylene	14.82	91	1419510	76.47	ug/L		98
77)	o-Xylene	15.40	91	746654	38.67	ug/L		98
78)	Styrene	15.43	104	561549	40.89	ug/L		94
79)	Bromoform	15.83	173	172161	38.70	ug/L		96
81)	Isopropylbenzene	15.83	105	668224	36.29	ug/L		97
82)	Cyclohexanone	16.16	55	36712	236.78	ug/L		91
84)	Bromobenzene	16.44	156	261666	39.75	ug/L		98
85)	1,1,2,2-Tetrachloroethane	16.31	83	182891	36.34	ug/L		100
86)	Trans-1,4-Dichloro-2-Buten	16.38	53	65501	35.15	ug/L	#	96
87)	1,2,3-Trichloropropane	16.43	110	73801	38.47	ug/L		91
88)	n-Propylbenzene	16.37	91	904986	35.85	ug/L		100
89)	2-Chlorotoluene	16.63	91	684859	36.51	ug/L		98
90)	4-Chlorotoluene	16.77	91	645061	36.81	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020626.D Vial: 24
Acq On : 8 Oct 2009 8:42 pm Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 09 11:19:14 2009 Quant Results File: VF3547AP9G.RES

Quant Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration
DataAcq Meth : 8260B

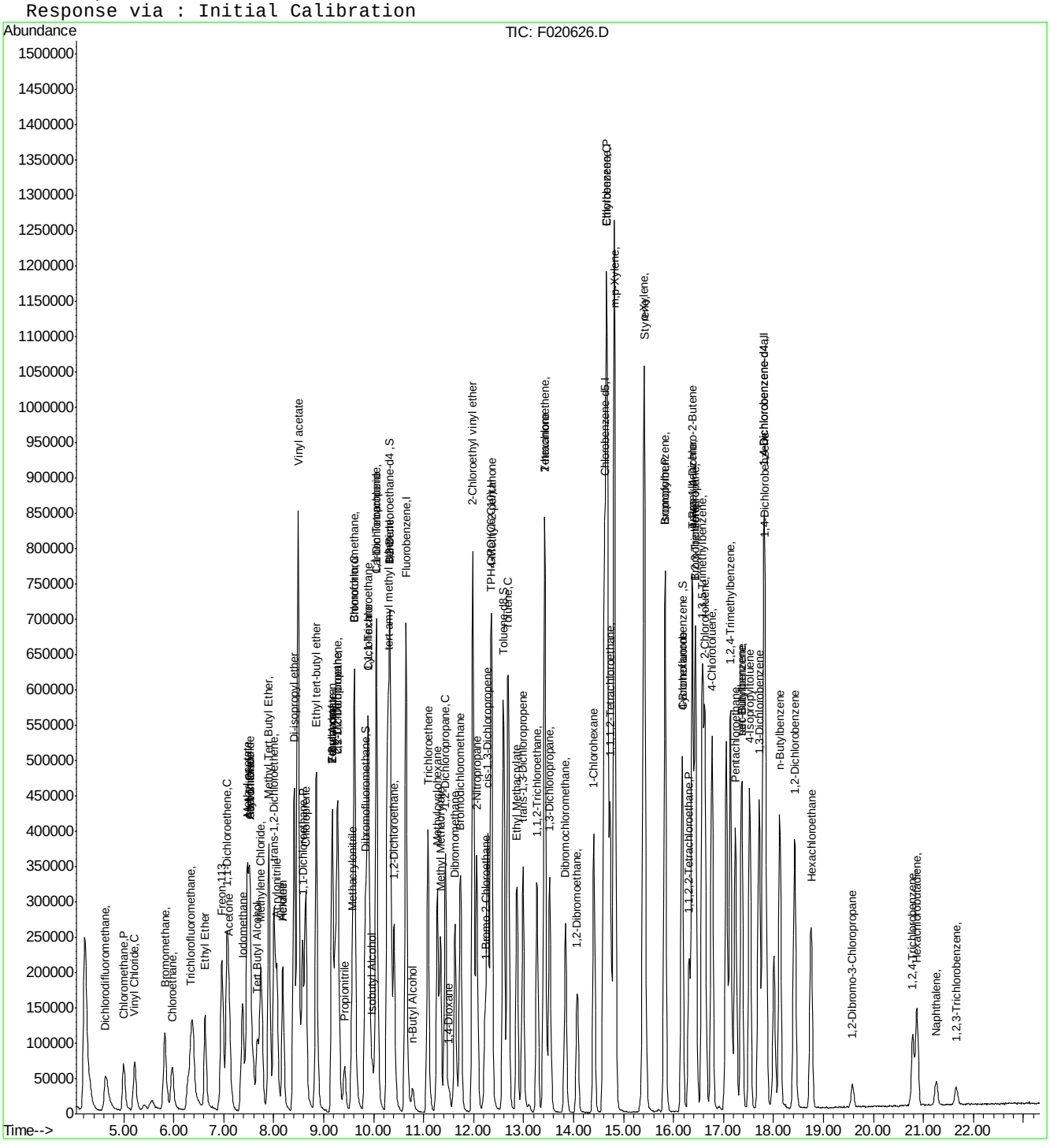
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	1,3,5-Trimethylbenzene	16.58	105	604324	36.18	ug/L	100
92)	Pentachloroethane	17.24	167	167792	39.52	uL/L	100
93)	sec-Butylbenzene	17.37	105	631972	34.31	ug/L	98
94)	1,3-Dichlorobenzene	17.71	146	393189	38.24	ug/L	98
95)	4-Isopropyltoluene	17.52	119	517523	34.56	ug/L	99
96)	1,4-Dichlorobenzene	17.84	146	397753	37.56	ug/L	99
97)	tert-Butylbenzene	17.36	91	112481	35.32	ug/L	96
98)	n-Butylbenzene	18.12	91	472732	32.61	ug/L	100
99)	1,2-Dichlorobenzene	18.43	146	351129	36.39	ug/L	97
100)	1,2,4-Trimethylbenzene	17.14	105	632773	35.45	ug/L	99
101)	Hexachloroethane	18.75	119	116721	32.89	uL/L	96
102)	1,2-Dibromo-3-Chloropropan	19.57	75	20240	22.75	ug/L	95
103)	1,2,4-Trichlorobenzene	20.79	180	79598	15.22	ug/L	98
104)	Hexachlorobutadiene	20.86	225	61321	26.98	ug/L	98
105)	Naphthalene	21.25	128	66359	7.82	ug/L	94
106)	1,2,3-Trichlorobenzene	21.66	180	22089	6.12	ug/L	92
108)	TPH-GRO (C6-C10)	12.34	TIC	75613257m	2569.29	ug/kg	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\VF3593\F020626.D Vial: 24
Acq On : 8 Oct 2009 8:42 pm Operator: AnjanaP
Sample : cc3547-40 Inst : GC/MS F
Misc : ms7097,vf3595,5,,,5,,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 11:41 2009 Quant Results File: VF3547AP9G.RES

Method : C:\MSDCHEM\2\METHODS\VF3547AP9G.M (RTE Integrator)
Title : SW846 8260B and EPA 624
Last Update : Thu Oct 08 12:40:30 2009
Response via : Initial Calibration



ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 6978, 6979, 6984
Batch ID: VF3547-3549

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3797, 3799
B	Internal Standard MV3797
C	8260 Standard MV3796, 3791, 3792, 3800
D	8260 BS/MS/MSD MV3789, 3795, 3796, 3789
E	Surrogate Standard MV3799
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F019677	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup Blk	AK
A	78	BFB										Autofind/	
BC	79	CC3504-20										10µ/50ml *	
1	80	↓ -40										20µ/50ml *	
A	81	BFB										Autofind/11:58	
BEBC	82	IC3547-1										1µ/100ml	
* 9/14	83	-2										2µ/100ml	
	84	-5										5µ/100ml	
	85	-20										10µ/50ml	
	86	-40										20µ/50ml	
	87	-100										50µ/50ml	
	88	-200										100µ/50ml	
BE	89	Blk										cleanup Blk	
BDE	90	ICV3547-40										25µ/50ml	
BE	91	Blk										cleanup Blk	
BDE	92	BS										12.5µ/40ml	
BE	93	Blk										cleanup Blk	
	94	MB											
	95	T36882-3				<2		1K	6				
BDE	96	1 -3MS				↓	16	1	7			12.5µ/40ml	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

* New ICAL run as both ccal's failed.

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg#1

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BDE	F019697	T36882-3msd	5ml	8260	W	<2	~~9~~ 16	1X	7	N/A			AW
BE	98	Blk				N/A	17	N/A	N/A			cleanup Blk	
	99	T36882-4				<2	18	5X	7			10ml/50ml	
	700	-2					19	500X	7			100 µl/50 ml	
	01	-5					20	↓	7				
	02	Blk				N/A	21	N/A	N/A			cleanup Blk	
	03	T37033-1				<2	22		1				
BDE	04	-1MS					23		2			12.5 µl/40 ml	
	05	-1MSd					1		2				
BE	06	Blk				N/A	24	N/A	N/A			cleanup Blk	
	07	T37034-1				<2	25	1X	1				
	08	T37032-1					26	~~5X~~ 10X	2			~~10ml~~ 5 ml/50ml AW 9/14/09	
	09	T37246-1					27	1X	4				
	10	T37248-1					28	1	4				
	11	Blk				N/A	29	N/A	N/A				
A	12	BFB					30					Autofind / 15:32	
BE	13	CC3547-40					31					20 µl/50 ml AW	
BDE	14	BS					32					12.5 µl/40 ml	
BE	15	Blk					33					cleanup Blk	
	16	MB					34						

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.2

Form: MS015

6.7.1 6

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg#1

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F0197	T37375-1	5ml	8260	W	<2	35	1x	1	N/A			AL
	18	-3					36		3				
	19	-5					37		5				
	20	T37007-1					38		6				
BDE	21	-1MS					39		7			12.5 ml/40 ml	
	22	-1MSD					39		7			↓	
BE	23	Blk				N/A	40	N/A	N/A			clean up Blk	
	24	T37007-2				<2	41	1x	6				
	25	T36917-1					42	1	5				
	26	T37007-3					43	5x	6			10 ml/50 ml Pu	
	27	Blk				N/A	44	N/A	N/A			clean up Blk	

AL
9/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.3

Form: MS015

6.7.1 6

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

Batch MS: 6978, 6979, 6984
Batch ID: VF3547-3549

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB MV3797, 3799
B	Internal Standard MV3797
C	8260 Standard MV3796, 3791, 3792, 3800
D	8260 BS/MS/MSD MV3789, 3795, 3796, 3789
E	Surrogate Standard MV3799
F	GRO Marker
G	GRO Standard N/A
H	GRO LCS

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method IC3547
Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F019677	Blk	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	cleanup blk	AK
A	78	BFB										Autofind/	
BC	79	CC3504-20										10µ/50ml *	
|	80	↓ -40										20µ/50ml *	
A	81	BFB										Autofind/11:58	
BEDC	82	IC3547-1										1µ/100ml	
|	* 9/14 83	| -2										2µ/100ml	
|	84	| -5										5µ/100ml	
|	85	| -20										10µ/50ml	
|	86	| -40										20µ/50ml	
|	87	| -100										50µ/50ml	
|	88	| -200										100µ/50ml	
BE	89	Blk										cleanup blk	
BDE	90	ICV3547-40										25µ/50ml	
BE	91	Blk										cleanup blk	
BDE	92	BS										12.5µ/40ml	
BE	93	Blk										cleanup blk	
|	94	MB											
|	95	T36882-3				<2		1x	6				
BDE	96	| -3MS				↓	16	1	7			12.5µ/40ml	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

* New ICAL. Run as both one's tested.

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #:
Solvent: Methanol

See pg#1

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BDE	F019697	T36882-3msd	5ml	8260	W	<2	~~8~~ 16	1X	7	N/A			AW
BE	98	Blk				N/A	17	N/A	N/A			cleanup Blk	
	99	T36882-4				<2	18	5X	7			10ml/50ml	
	700	-2					19	500X	7			100 µl/50 ml	
	01	-5					20	↓	7				
	02	Blk				N/A	21	N/A	N/A			Cleanup Blk	
	03	T37033-1				<2	22		1				
BDE	04	-1MS					23		2			12.5 µl/40ml	
	05	-1MSd							2				
BE	06	Blk				N/A	24	N/A	N/A			cleanup Blk	
	07	T37034-1				<2	25	1X	1				
	08	T37032-1					26	~~5X~~ 10X	~~N~~ 9/14/09 2			~~10ml~~ 5 ml/50ml AW	
	09	T37246-1					27	1X	4				
	10	T37248-1					28	1	4				
	11	Blk				N/A	29	N/A	N/A				
A	12	BFB					30					Autofind / 15:32	
BE	13	CC3547-40					31					20 µl/50ml AW	
BDE	14	BS					32					12.5 µl/40ml	
BE	15	Blk					33					cleanup Blk	
	16	MB					34						

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.2

Form: MS015

6.7.2 6

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#1
Batch ID:

Date: 9/14/09 - 9/15/09

Analyst Signature: [signature]

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#1

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:
Solvent ID #: See pg#1
Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BE	F0197/7	T37375-1	5ml	8260	W	<2	35	1X	1	N/A			AL
	18	-3					36		3				
	19	-5					37		5				
	20	T37007-1					38		6				
BDE	21	-1MS					39		7			12.5 ml/40 ml	
	22	-1MSD					39		7			↓	
BE	23	Blk				N/A	40	N/A	N/A			clean up Blk	
	24	T37007-2				<2	41	1X	6				
	25	T36917-1					42		5				
	26	T37007-3					43	5X	6			10 ml/50 ml FV	
	27	Blk				N/A	44	N/A	N/A			clean up Blk	

AL
9/14/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

P.3

Form: MS015

6.7.2 6

ACCUTEST

GC/MS VOLATILE ANALYSIS LOG

OP13202

Batch MS: 7083, 7092, 7097

Batch ID: VF 3543-3595

Date: 10/8/09 - 10/9/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB MV3825
B	Internal Standard 3851
C	8260 Standard 3854, 3855, 3862, 3863
D	8260 BS/MS/MSD 3858, 3866, 3859, 3864
E	Surrogate Standard 3852
F	GRO Marker
G	GRO Standard
H	GRO LCS

N/A

Columns: Rtx-624

SW-846/EPA Method: 8260B/624

Initial Cal. Method IC3547

Calibration Date: 9/14/09

Solvent ID #: RV090720

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
A	F020603	BFB	5ml	8260	W	N/A	1	N/A	N/A	N/A	Y	40 µl/40ml/Autofill	AL
BC	04	CC3547-20										10 µl/50ml FV	
BDE	05	BS										12.5 µl/40ml	
BE	06	Blk										cleanup Blk	
	07	MB											
	08	T38404-12				<2		1x	1				
	09	T38730-3	AL 10/8/09						3				
BDE	10	T38730-3MS							2			12.5 µl/40ml	
	11	Msd							2				
BE	12	Blk				N/A		N/A	N/A			cleanup Blk	
	13	T38730-2				<2		1x	3				
	14	-1						10x	2			5ml/50ml FV	
	15	-1						50x	2			1ml/50ml FV	
	16	T38644-7						100x	3			500 µl/50ml FV	
	17	Blk				N/A		N/A	N/A			cleanup Blk	
	18												
	19	OP13202-LB				<2		10x				5ml/50ml FV	
	20	T38010-2R											
	21	T39172-2											
	22	-2MS					19					12.5 µl/40ml	

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

Form: MS015

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg#63
Batch ID:

Date: 10/8/09 - 10/9/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg#63

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

Solvent ID #: See pg#63

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BDE	F020623	T39172-2 MSd	5ml	8260	W	<2	19	10x	N/A	N/A	Y	5ml/50ml / 12.5 µl/40ml	
BE	24	Blk				N/A	20	N/A				Cleanup Blk	
A	25	BFB					21					40 µl/40ml/Auto	
BC	26	CC3547-40					22					20 µl/50ml FV	
BDE	27	BS					23					12.5 µl/40ml	
BE	28	Blk					24					Cleanup Blk	
	29	MB					25						
	30	T39169-7				<2	26	1x	1				
	31	187-6					27		1				
	32	169-1					28		9				
BDE	33	-1 MS					29		8			12.5 µl/40ml	
	34	-1 MSd					29		8			↓	
BE	35	Blk				N/A	30	N/A	N/A			Cleanup Blk	
	36	T39169-2				<2	31	1x	6				
	37	-3					32		6				
	38	-4					33		5				
	39	-5					34		6				
	40	-6					35		6				
	41	T39187-1					36		6				
	42	-2					37		6				

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

Form: MS015

ACCUTEST.

GC/MS VOLATILE ANALYSIS LOG

Batch MS: See pg #63
Batch ID:

Date: 10/8/09 - 10/9/09

Analyst Signature:

Standard Data

Ref #	Description
A	BFB
B	Internal Standard
C	8260 Standard
D	8260 BS/MS/MSD
E	Surrogate Standard
F	GRO Marker
G	GRO Standard
H	GRO LCS

See pg #63

Columns: Rtx-624
SW-846/EPA Method: 8260B/624
Initial Cal. Method
Calibration Date:

See pg #63

Solvent ID #:

Solvent: Methanol

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	Sample ID	Sample Amount	Method	MTX	PH	ALS #	Dil.	Vial #	Med. Lvl	Run OK	Comments	Init.
BB	F020643	T39187-3	5ml	8260	W	<2	38	1X	6	N/A	Y		AW
	44	-4							6				
	45	-5							4				
	46	Blk				N/A		N/A	N/A			cleanup pk	
	47												
	48												
	49												
	50												
	51	T39390-2				<2		1X	6			for confirmation only -	
	52	Blk				N/A	47	N/A	N/A			cleanup pk	

AW 10/9/09

MTX = Matrix Designate W for water, S for soil, O for oil, and TCLP or SPLP for leachates. Sample Amount = Volume (ML) or Weight (g)

Form: MS015

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13205-MB	J13696.D	1	10/08/09	SC	10/07/09	OP13205	EJ629

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5

CAS No.	Compound	Result	RL	MDL	Units	Q
105-67-9	2,4-Dimethylphenol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.83	ug/l	
	3&4-Methylphenol	ND	5.0	1.6	ug/l	
108-95-2	Phenol	ND	5.0	0.75	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.6	ug/l	
120-12-7	Anthracene	ND	5.0	1.1	ug/l	
86-73-7	Fluorene	ND	5.0	1.3	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.97	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	64%	10-66%
4165-62-2	Phenol-d5	47%	10-53%
118-79-6	2,4,6-Tribromophenol	83%	32-128%
4165-60-0	Nitrobenzene-d5	86%	29-115%
321-60-8	2-Fluorobiphenyl	77%	34-113%
1718-51-0	Terphenyl-d14	103%	12-145%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1708-27-6	Furan, 2,3-dihydro-3-methyl-	4.02	15	ug/l	JN
99-82-1	1-Methyl-4-(1-methylethyl)-cyclohe	4.04	7.6	ug/l	JN
1000113-52-1	2,3,3-Trimethyl-1-hexene	4.13	7.2	ug/l	JN
49622-18-6	Decane, 3,3,4-trimethyl-	4.24	9.1	ug/l	JN
20662-83-3	Oxazole, 4,5-dimethyl-	4.26	13	ug/l	JN
6846-50-0	2,2,4-Trimethyl-1,3-pentanediol di	7.17	18	ug/l	JN
1438-62-6	1-Naphthalenepropanol, .alpha.-eth	13.51	4	ug/l	JN
	Total TIC, Semi-Volatile		73.9	ug/l	J

Method Blank Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13269-MB	H35492.D	1	10/20/09	SC	10/07/09	OP13269	EH1917

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.20	0.042	ug/l	
208-96-8	Acenaphthylene	ND	0.20	0.072	ug/l	
120-12-7	Anthracene	ND	0.20	0.054	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.041	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.064	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.060	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.056	ug/l	
218-01-9	Chrysene	ND	0.20	0.044	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.060	ug/l	
206-44-0	Fluoranthene	ND	0.20	0.046	ug/l	
86-73-7	Fluorene	ND	0.20	0.064	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.061	ug/l	
91-20-3	Naphthalene	ND	0.20	0.075	ug/l	
85-01-8	Phenanthrene	ND	0.20	0.075	ug/l	
129-00-0	Pyrene	ND	0.20	0.079	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	98% [a]	17-131%
321-60-8	2-Fluorobiphenyl	134% [a]	15-137%
1718-51-0	Terphenyl-d14	136% [a]	10-160%

(a) Recovery was adjusted for 10x spiking.

Blank Spike/Blank Spike Duplicate Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13205-BS	J13700.D	1	10/08/09	SC	10/07/09	OP13205	EJ629
OP13205-BSD	J13701.D	1	10/08/09	SC	10/07/09	OP13205	EJ629

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-98-5	Benzenethiol	50	11.1	22	8.4	17	28	10-98/30
105-67-9	2,4-Dimethylphenol	50	26.9	54	26.8	54	0	27-87/30
95-48-7	2-Methylphenol	50	29.7	59	29.7	59	0	25-84/30
	3&4-Methylphenol	100	55.8	56	56.1	56	1	25-77/30
108-95-2	Phenol	50	16.0	32	16.1	32	1	10-53/30
83-32-9	Acenaphthene	50	39.3	79	39.5	79	1	41-110/30
120-12-7	Anthracene	50	44.4	89	44.3	89	0	59-105/30
86-73-7	Fluorene	50	41.3	83	41.2	82	0	47-99/30
91-20-3	Naphthalene	50	30.0	60	30.2	60	1	37-89/30
85-01-8	Phenanthrene	50	43.1	86	43.5	87	1	59-103/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	45%	45%	10-66%
4165-62-2	Phenol-d5	30%	30%	10-53%
118-79-6	2,4,6-Tribromophenol	88%	90%	32-128%
4165-60-0	Nitrobenzene-d5	73%	74%	29-115%
321-60-8	2-Fluorobiphenyl	75%	76%	34-113%
1718-51-0	Terphenyl-d14	89%	96%	12-145%

Blank Spike/Blank Spike Duplicate Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13269-BS [a]	H35493.D	1	10/20/09	SC	10/07/09	OP13269	EH1917
OP13269-BSD [a]	H35494.D	1	10/20/09	SC	10/07/09	OP13269	EH1917

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	3.0	60	3.1	62	3	10-125/30
208-96-8	Acenaphthylene	5	3.3	66	2.9	58	13	10-141/30
120-12-7	Anthracene	5	2.7	54	2.7	54	0	13-139/30
56-55-3	Benzo(a)anthracene	5	3.8	76	3.8	76	0	24-151/30
50-32-8	Benzo(a)pyrene	5	3.3	66	3.2	64	3	36-146/30
205-99-2	Benzo(b)fluoranthene	5	3.6	72	3.4	68	6	27-159/30
207-08-9	Benzo(k)fluoranthene	5	4.5	90	4.5	90	0	26-157/30
218-01-9	Chrysene	5	3.5	70	3.6	72	3	26-146/30
53-70-3	Dibenzo(a,h)anthracene	5	3.6	72	4.2	84	15	23-161/30
206-44-0	Fluoranthene	5	3.2	64	3.3	66	3	20-140/30
86-73-7	Fluorene	5	2.7	54	2.2	44	20	16-126/30
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.4	68	4.1	82	19	25-153/30
91-20-3	Naphthalene	5	2.1	42	2.2	44	5	11-111/30
85-01-8	Phenanthrene	5	3.7	74	3.7	74	0	23-135/30
129-00-0	Pyrene	5	3.6	72	3.7	74	3	27-138/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	52%	48%	17-131%
321-60-8	2-Fluorobiphenyl	68%	70%	15-137%
1718-51-0	Terphenyl-d14	71%	72%	10-160%

(a) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13205-MS	J13713.D	1	10/08/09	SC	10/07/09	OP13205	EJ630
OP13205-MSD	J13714.D	1	10/09/09	SC	10/07/09	OP13205	EJ630
T39314-2	J13712.D	1	10/08/09	SC	10/07/09	OP13205	EJ630

The QC reported here applies to the following samples: **Method:** SW846 8270C

T39187-1, T39187-2, T39187-3, T39187-4, T39187-5

CAS No.	Compound	T39314-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-98-5	Benzenethiol	10 U		100	ND	0* a	ND	0* b	nc	10-98/36
105-67-9	2,4-Dimethylphenol	5.0 U		100	64.4	64	66.0	66	2	27-87/26
95-48-7	2-Methylphenol	5.0 U		100	135	135*	65.0	65	70*	25-84/31
	3&4-Methylphenol	5.0 U		200	131	66	134	67	2	25-77/25
108-95-2	Phenol	5.0 U		100	49.4	49	50.0	50	1	10-53/35
83-32-9	Acenaphthene	5.0 U		100	65.6	66	66.9	67	2	41-110/21
120-12-7	Anthracene	5.0 U		100	80.3	80	81.7	82	2	59-105/18
86-73-7	Fluorene	5.0 U		100	67.0	67	70.3	70	5	47-99/22
91-20-3	Naphthalene	5.0 U		100	60.6	61	62.5	63	3	37-89/24
85-01-8	Phenanthrene	5.0 U		100	79.2	79	80.2	80	1	59-103/19

CAS No.	Surrogate Recoveries	MS	MSD	T39314-2	Limits
367-12-4	2-Fluorophenol	59%	57%	35%	10-66%
4165-62-2	Phenol-d5	51%	50%	23%	10-53%
118-79-6	2,4,6-Tribromophenol	83%	80%	53%	32-128%
4165-60-0	Nitrobenzene-d5	72%	70%	49%	29-115%
321-60-8	2-Fluorobiphenyl	67%	64%	42%	34-113%
1718-51-0	Terphenyl-d14	95%	90%	90%	12-145%

(a) Compounds was not spiked in this ms sample.
(b) Compounds was not spiked in this msd sample.

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1917-DFTPP
Lab File ID: H35483.D
Instrument ID: GCMSH
Injection Date: 10/20/09
Injection Time: 10:23

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	25242	40.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	39240	63.0		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	34233	55.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	62272	100.0		Pass
199	5.0 - 9.0% of mass 198	4517	7.3		Pass
275	10.0 - 30.0% of mass 198	11534	18.5		Pass
365	1.0 - 100.0% of mass 198	947	1.5		Pass
441	Present, but less than mass 443	4702	7.6	(83.5) [b]	Pass
442	40.0 - 100.0% of mass 198	29253	47.0		Pass
443	17.0 - 23.0% of mass 442	5629	9.0	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1917-IC1917	H35485.D	10/20/09	11:10	00:47	Initial cal 1
EH1917-IC1917	H35486.D	10/20/09	11:34	01:11	Initial cal 0.1
EH1917-IC1917	H35487.D	10/20/09	12:03	01:40	Initial cal 0.2
EH1917-IC1917	H35488.D	10/20/09	12:36	02:13	Initial cal 5
EH1917-IC1917	H35489.D	10/20/09	13:01	02:38	Initial cal 10
EH1917-ICC1917	H35490.D	10/20/09	13:34	03:11	Initial cal 2.5
EH1917-ICV1917	H35491.D	10/20/09	13:58	03:35	Initial cal verification 2.5
OP13269-MB	H35492.D	10/20/09	14:31	04:08	Method Blank
OP13269-BS	H35493.D	10/20/09	14:57	04:34	Blank Spike
OP13269-BSD	H35494.D	10/20/09	15:28	05:05	Blank Spike Duplicate
ZZZZZZ	H35495.D	10/20/09	15:56	05:33	(unrelated sample)
ZZZZZZ	H35496.D	10/20/09	16:24	06:01	(unrelated sample)
ZZZZZZ	H35497.D	10/20/09	16:46	06:23	(unrelated sample)
ZZZZZZ	H35498.D	10/20/09	17:17	06:54	(unrelated sample)
ZZZZZZ	H35499.D	10/20/09	17:48	07:25	(unrelated sample)
ZZZZZZ	H35500.D	10/20/09	18:17	07:54	(unrelated sample)
T39187-2	H35502.D	10/20/09	19:07	08:44	MW22:1009
T39187-5	H35503.D	10/20/09	19:39	09:16	MW19:1009
ZZZZZZ	H35504.D	10/20/09	20:08	09:45	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample:	EH1917-DFTPP	**Injection Date:**	10/20/09
Lab File ID:	H35483.D	**Injection Time:**	10:23
Instrument ID:	GCMSH		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
T39314-2	H35505.D	10/20/09	20:37	10:14	(used for QC only; not part of job T39187)
ZZZZZZ	H35508.D	10/20/09	22:03	11:40	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-DFTPP
Lab File ID: H35512.D
Instrument ID: GCMSH
Injection Date: 10/21/09
Injection Time: 10:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27424	43.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	42760	68.1		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	34749	55.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	62797	100.0		Pass
199	5.0 - 9.0% of mass 198	4472	7.1		Pass
275	10.0 - 30.0% of mass 198	10382	16.5		Pass
365	1.0 - 100.0% of mass 198	872	1.4		Pass
441	Present, but less than mass 443	4082	6.5	(79.6) [b]	Pass
442	40.0 - 100.0% of mass 198	25149	40.0		Pass
443	17.0 - 23.0% of mass 442	5127	8.2	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1918-ICC1918	H35513.D	10/21/09	11:02	00:14	Initial cal 2.5
EH1918-IC1918	H35514.D	10/21/09	11:31	00:43	Initial cal 1
EH1918-IC1918	H35515.D	10/21/09	12:01	01:13	Initial cal 0.1
EH1918-IC1918	H35516.D	10/21/09	12:32	01:44	Initial cal 0.2
EH1918-IC1918	H35517.D	10/21/09	12:58	02:10	Initial cal 5
EH1918-IC1918	H35518.D	10/21/09	13:29	02:41	Initial cal 10
EH1918-ICV1918	H35519.D	10/21/09	13:57	03:09	Initial cal verification 2.5
OP13270-MB	H35520.D	10/21/09	14:31	03:43	Method Blank
OP13270-BS	H35521.D	10/21/09	14:54	04:06	Blank Spike
OP13270-BSD	H35522.D	10/21/09	15:25	04:37	Blank Spike Duplicate
T39187-1	H35523.D	10/21/09	15:54	05:06	MW21:1009
ZZZZZZ	H35524.D	10/21/09	16:23	05:35	(unrelated sample)
ZZZZZZ	H35525.D	10/21/09	16:55	06:07	(unrelated sample)
ZZZZZZ	H35526.D	10/21/09	17:20	06:32	(unrelated sample)
ZZZZZZ	H35527.D	10/21/09	17:51	07:03	(unrelated sample)
ZZZZZZ	H35528.D	10/21/09	18:14	07:26	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-DFTPP
Lab File ID: H35579.D
Instrument ID: GCMSH
Injection Date: 10/23/09
Injection Time: 10:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37381	37.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	59141	59.9		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	52288	53.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	98720	100.0		Pass
199	5.0 - 9.0% of mass 198	7541	7.6		Pass
275	10.0 - 30.0% of mass 198	16213	16.4		Pass
365	1.0 - 100.0% of mass 198	1790	1.8		Pass
441	Present, but less than mass 443	6753	6.8	(80.6) [b]	Pass
442	40.0 - 100.0% of mass 198	43176	43.7		Pass
443	17.0 - 23.0% of mass 442	8380	8.5	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EH1920-ICC1920	H35580.D	10/23/09	11:13	00:21	Initial cal 2.5
EH1920-IC1920	H35581.D	10/23/09	11:39	00:47	Initial cal 1
EH1920-IC1920	H35582.D	10/23/09	12:08	01:16	Initial cal 0.1
EH1920-IC1920	H35583.D	10/23/09	12:40	01:48	Initial cal 0.2
EH1920-IC1920	H35584.D	10/23/09	13:07	02:15	Initial cal 5
EH1920-IC1920	H35585.D	10/23/09	13:31	02:39	Initial cal 10
EH1920-ICV1920	H35586.D	10/23/09	14:13	03:21	Initial cal verification 2.5
ZZZZZZ	H35588.D	10/23/09	15:11	04:19	(unrelated sample)
ZZZZZZ	H35589.D	10/23/09	15:36	04:44	(unrelated sample)
ZZZZZZ	H35590.D	10/23/09	16:05	05:13	(unrelated sample)
ZZZZZZ	H35591.D	10/23/09	16:34	05:42	(unrelated sample)
ZZZZZZ	H35592.D	10/23/09	17:03	06:11	(unrelated sample)
ZZZZZZ	H35593.D	10/23/09	17:31	06:39	(unrelated sample)
ZZZZZZ	H35594.D	10/23/09	17:56	07:04	(unrelated sample)
ZZZZZZ	H35595.D	10/23/09	18:28	07:36	(unrelated sample)
ZZZZZZ	H35596.D	10/23/09	18:57	08:05	(unrelated sample)
ZZZZZZ	H35598.D	10/23/09	19:54	09:02	(unrelated sample)
ZZZZZZ	H35599.D	10/23/09	20:23	09:31	(unrelated sample)
ZZZZZZ	H35600.D	10/23/09	20:45	09:53	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-DFTPP
Lab File ID: H35579.D
Instrument ID: GCMSH
Injection Date: 10/23/09
Injection Time: 10:52

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	H35601.D	10/23/09	21:13	10:21	(unrelated sample)
T39187-3	H35602.D	10/23/09	21:42	10:50	MW18:1009
T39187-4	H35603.D	10/23/09	22:11	11:19	MW33:1009
ZZZZZZ	H35604.D	10/23/09	22:40	11:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ602-DFTPP
Lab File ID: J13032.D
Instrument ID: GCMSJ
Injection Date: 09/05/09
Injection Time: 11:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	291136	41.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	304021	43.4		Pass
70	Less than 2.0% of mass 69	1668	0.24	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	337515	48.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	700800	100.0		Pass
199	5.0 - 9.0% of mass 198	47371	6.8		Pass
275	10.0 - 30.0% of mass 198	197269	28.1		Pass
365	1.0 - 100.0% of mass 198	27963	4.0		Pass
441	Present, but less than mass 443	91285	13.0	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	588032	83.9		Pass
443	17.0 - 23.0% of mass 442	115421	16.5	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ602-CC597	J13033.D	09/05/09	11:38	00:13	Continuing cal 50
EJ602-IC602	J13034.D	09/05/09	12:10	00:45	Initial cal 75
EJ602-ICC602	J13035.D	09/05/09	12:38	01:13	Initial cal 50
EJ602-IC602	J13036.D	09/05/09	13:07	01:42	Initial cal 5
EJ602-IC602	J13037.D	09/05/09	13:36	02:11	Initial cal 10
EJ602-IC602	J13038.D	09/05/09	14:05	02:40	Initial cal 25
EJ602-IC602	J13039.D	09/05/09	14:34	03:09	Initial cal 100
EJ602-ICV602	J13041.D	09/05/09	15:36	04:11	Initial cal verification 50
OP12928-MB	J13042.D	09/05/09	16:05	04:40	Method Blank
T36823-1	J13043.D	09/05/09	16:36	05:11	(used for QC only; not part of job T39187)
OP12931-MB	J13044.D	09/05/09	17:05	05:40	Method Blank
OP12928-MS	J13045.D	09/05/09	17:35	06:10	Matrix Spike
OP12928-MSD	J13046.D	09/05/09	18:04	06:39	Matrix Spike Duplicate
OP12932-MB	J13047.D	09/05/09	18:33	07:08	Method Blank
OP12932-BS	J13048.D	09/05/09	19:02	07:37	Blank Spike
T36825-1	J13049.D	09/05/09	19:31	08:06	(used for QC only; not part of job T39187)
OP12932-MS	J13050.D	09/05/09	20:00	08:35	Matrix Spike
OP12932-MSD	J13051.D	09/05/09	20:28	09:03	Matrix Spike Duplicate
ZZZZZZ	J13052.D	09/05/09	20:58	09:33	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ602-DFTPP
Lab File ID: J13032.D
Instrument ID: GCMSJ
Injection Date: 09/05/09
Injection Time: 11:25

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J13053.D	09/05/09	21:26	10:01	(unrelated sample)
ZZZZZZ	J13055.D	09/05/09	22:24	10:59	(unrelated sample)
ZZZZZZ	J13057.D	09/06/09	09:11	21:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-DFTPP
Lab File ID: J13332.D
Instrument ID: GCMSJ
Injection Date: 09/23/09
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	273877	40.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	279189	41.5		Pass
70	Less than 2.0% of mass 69	1498	0.22	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	316309	47.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	672661	100.0		Pass
199	5.0 - 9.0% of mass 198	45149	6.7		Pass
275	10.0 - 30.0% of mass 198	190080	28.3		Pass
365	1.0 - 100.0% of mass 198	27997	4.2		Pass
441	Present, but less than mass 443	92136	13.7	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	588053	87.4		Pass
443	17.0 - 23.0% of mass 442	113253	16.8	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ615-IC615	J13335.D	09/23/09	11:52	01:15	Initial cal 5
EJ615-IC615	J13336.D	09/23/09	12:23	01:46	Initial cal 10
EJ615-IC615	J13337.D	09/23/09	12:53	02:16	Initial cal 25
EJ615-IC615	J13338.D	09/23/09	13:22	02:45	Initial cal 100
EJ615-IC615	J13339.D	09/23/09	13:52	03:15	Initial cal 125
EJ615-ICC615	J13340.D	09/23/09	14:21	03:44	Initial cal 50
EJ615-IC615	J13341.D	09/23/09	14:51	04:14	Initial cal 75
EJ615-ICV615	J13342.D	09/23/09	15:21	04:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-DFTPP
Lab File ID: J13687.D
Instrument ID: GCMSJ
Injection Date: 10/08/09
Injection Time: 10:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	135432	47.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	130341	45.2		Pass
70	Less than 2.0% of mass 69	563	0.2	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	144448	50.1		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	288299	100.0		Pass
199	5.0 - 9.0% of mass 198	19921	6.9		Pass
275	10.0 - 30.0% of mass 198	84237	29.2		Pass
365	1.0 - 100.0% of mass 198	14155	4.9		Pass
441	Present, but less than mass 443	42573	14.8	(83.7) [b]	Pass
442	40.0 - 100.0% of mass 198	266517	92.4		Pass
443	17.0 - 23.0% of mass 442	50891	17.7	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ629-CC615	J13688.D	10/08/09	10:50	00:16	Continuing cal 50
EJ629-ICC629	J13689.D	10/08/09	11:20	00:46	Initial cal 50
EJ629-IC629	J13690.D	10/08/09	11:50	01:16	Initial cal 40
EJ629-IC629	J13691.D	10/08/09	12:21	01:47	Initial cal 75
EJ629-IC629	J13692.D	10/08/09	12:51	02:17	Initial cal 5
EJ629-IC629	J13693.D	10/08/09	13:22	02:48	Initial cal 25
EJ629-IC629	J13694.D	10/08/09	13:52	03:18	Initial cal 100
EJ629-ICV629	J13695.D	10/08/09	14:26	03:52	Initial cal verification 50
OP13205-MB	J13696.D	10/08/09	14:56	04:22	Method Blank
OP13205-BS	J13700.D	10/08/09	17:27	06:53	Blank Spike
OP13205-BSD	J13701.D	10/08/09	17:59	07:25	Blank Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ630-DFTPP
Lab File ID: J13702.D
Instrument ID: GCMSJ
Injection Date: 10/08/09
Injection Time: 18:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	200192	44.2		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	197781	43.6		Pass
70	Less than 2.0% of mass 69	1157	0.26	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	226389	50.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	453163	100.0		Pass
199	5.0 - 9.0% of mass 198	30736	6.8		Pass
275	10.0 - 30.0% of mass 198	130483	28.8		Pass
365	1.0 - 100.0% of mass 198	19379	4.3		Pass
441	Present, but less than mass 443	63435	14.0	(81.9) [b]	Pass
442	40.0 - 100.0% of mass 198	402155	88.7		Pass
443	17.0 - 23.0% of mass 442	77491	17.1	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ630-CC615	J13703.D	10/08/09	18:44	00:14	Continuing cal 50
EJ630-CC629	J13704.D	10/08/09	19:21	00:51	Continuing cal 50
ZZZZZZ	J13706.D	10/08/09	20:23	01:53	(unrelated sample)
ZZZZZZ	J13707.D	10/08/09	20:54	02:24	(unrelated sample)
ZZZZZZ	J13708.D	10/08/09	21:24	02:54	(unrelated sample)
ZZZZZZ	J13709.D	10/08/09	21:55	03:25	(unrelated sample)
ZZZZZZ	J13710.D	10/08/09	22:25	03:55	(unrelated sample)
ZZZZZZ	J13711.D	10/08/09	22:56	04:26	(unrelated sample)
T39314-2	J13712.D	10/08/09	23:26	04:56	(used for QC only; not part of job T39187)
OP13205-MS	J13713.D	10/08/09	23:57	05:27	Matrix Spike
OP13205-MSD	J13714.D	10/09/09	00:27	05:57	Matrix Spike Duplicate
ZZZZZZ	J13715.D	10/09/09	00:57	06:27	(unrelated sample)
ZZZZZZ	J13717.D	10/09/09	01:58	07:28	(unrelated sample)
ZZZZZZ	J13718.D	10/09/09	02:28	07:58	(unrelated sample)
T39187-1	J13719.D	10/09/09	02:58	08:28	MW21:1009
T39187-2	J13720.D	10/09/09	03:28	08:58	MW22:1009
T39187-5	J13721.D	10/09/09	03:58	09:28	MW19:1009
ZZZZZZ	J13722.D	10/09/09	04:28	09:58	(unrelated sample)
T39187-3	J13723.D	10/09/09	04:58	10:28	MW18:1009

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-DFTPP
Lab File ID: J13725.D
Instrument ID: GCMSJ
Injection Date: 10/09/09
Injection Time: 09:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	163051	50.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	157696	48.8		Pass
70	Less than 2.0% of mass 69	898	0.28	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	169259	52.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	323435	100.0		Pass
199	5.0 - 9.0% of mass 198	21683	6.7		Pass
275	10.0 - 30.0% of mass 198	90573	28.0		Pass
365	1.0 - 100.0% of mass 198	14570	4.5		Pass
441	Present, but less than mass 443	43453	13.4	(82.7) [b]	Pass
442	40.0 - 100.0% of mass 198	274475	84.9		Pass
443	17.0 - 23.0% of mass 442	52571	16.3	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EJ631-CC615	J13726.D	10/09/09	09:27	00:14	Continuing cal 50
EJ631-CC629	J13727.D	10/09/09	09:57	00:44	Continuing cal 50
EJ631-CC602	J13728.D	10/09/09	10:27	01:14	Continuing cal 50
OP13214-MB	J13731.D	10/09/09	12:31	03:18	Method Blank
OP13214-BS	J13732.D	10/09/09	13:02	03:49	Blank Spike
OP13214-BSD	J13733.D	10/09/09	13:31	04:18	Blank Spike Duplicate
ZZZZZZ	J13734.D	10/09/09	14:01	04:48	(unrelated sample)
T39417-2	J13735.D	10/09/09	14:35	05:22	(used for QC only; not part of job T39187)
OP13214-MS	J13736.D	10/09/09	15:05	05:52	Matrix Spike
OP13214-MSD	J13737.D	10/09/09	15:34	06:21	Matrix Spike Duplicate
ZZZZZZ	J13738.D	10/09/09	16:04	06:51	(unrelated sample)
ZZZZZZ	J13739.D	10/09/09	16:33	07:20	(unrelated sample)
ZZZZZZ	J13740.D	10/09/09	17:02	07:49	(unrelated sample)
ZZZZZZ	J13741.D	10/09/09	17:31	08:18	(unrelated sample)
ZZZZZZ	J13742.D	10/09/09	18:00	08:47	(unrelated sample)
T39187-4	J13743.D	10/09/09	18:30	09:17	MW33:1009
T39187-3	J13744.D	10/09/09	18:59	09:46	MW18:1009
ZZZZZZ	J13746.D	10/09/09	19:57	10:44	(unrelated sample)
T39187-3	J13747.D	10/09/09	20:26	11:13	MW18:1009

Instrument Performance Check (DFTPP)

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-DFTPP
Lab File ID: J13725.D
Instrument ID: GCMSJ
Injection Date: 10/09/09
Injection Time: 09:13

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
T39187-4	J13748.D	10/09/09	20:56	11:43	MW33:1009
ZZZZZZ	J13750.D	10/09/09	21:55	12:42	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EH1917-ICC1917	**Injection Date:**	10/20/09
Lab File ID:	H35490.D	**Injection Time:**	13:34
Instrument ID:	GCMSH	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	79388	5.65	50031	7.56	57496	9.57	59382	11.09	65445	13.87	20144	16.31
Upper Limit [a]	158776	6.15	100062	8.06	114992	10.07	118764	11.59	130890	14.37	40288	16.81
Lower Limit [b]	39694	5.15	25016	7.06	28748	9.07	29691	10.59	32723	13.37	10072	15.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13269-MB	68270	5.65	55893	7.56	51852	9.57	64250	11.09	56411	13.87	16361	16.31
OP13269-BS [c]	70796	5.65	52004	7.56	57183	9.57	65243	11.09	63524	13.87	18127	16.31
OP13269-BSD [c]	67631	5.65	50168	7.56	58468	9.57	63719	11.09	61836	13.87	18470	16.31
ZZZZZZ	62204	5.65	50791	7.56	45907	9.57	56374	11.09	43522	13.88	12333	16.33
ZZZZZZ	66792	5.65	60616	7.56	51281	9.57	64351	11.09	51504	13.88	15221	16.33
ZZZZZZ	70954	5.65	61377	7.56	51998	9.57	66005	11.09	52907	13.89	15926	16.33
ZZZZZZ	78673	5.65	67314	7.56	60817	9.57	74355	11.09	59778	13.89	16528	16.33
ZZZZZZ	74167	5.65	66862	7.56	57524	9.57	71024	11.09	50466	13.88	13737	16.33
ZZZZZZ	73960	5.65	67000	7.56	58445	9.57	70462	11.09	52479	13.88	14088	16.33
T39187-2	91272	5.65	73446	7.56	71259	9.57	83663	11.09	63416	13.87	13678	16.33
T39187-5	79889	5.65	64869	7.56	62155	9.57	67095	11.09	56589	13.87	13964	16.33
ZZZZZZ	75971	5.65	62273	7.56	61917	9.57	74742	11.09	36652	13.88	6239*	16.33
T39314-2	77969	5.65	63502	7.56	59703	9.57	71349	11.09	51193	13.88	10608	16.33
ZZZZZZ	76276	5.65	60223	7.56	65125	9.57	72244	11.09	33157	13.89	4668*	16.35

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Semivolatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std: EH1918-ICC1918 **Injection Date:** 10/21/09
Lab File ID: H35513.D **Injection Time:** 11:02
Instrument ID: GCMSH **Method:** SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74952	5.65	71607	7.56	63482	9.57	78072	11.09	38772	13.89	6173	16.35
Upper Limit [a]	149904	6.15	143214	8.06	126964	10.07	156144	11.59	77544	14.39	12346	16.85
Lower Limit [b]	37476	5.15	35804	7.06	31741	9.07	39036	10.59	19386	13.39	3087	15.85

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13270-MB	69791	5.65	64084	7.56	39063	9.57	59399	11.09	35168	13.89	7436	16.35
OP13270-BS [c]	79921	5.65	84780	7.56	42809	9.57	78803	11.09	43314	13.89	7925	16.35
OP13270-BSD [c]	80116	5.65	78986	7.56	44110	9.57	74813	11.09	46659	13.88	9333	16.35
T39187-1	71622	5.65	63559	7.56	35610	9.57	65426	11.09	33990	13.88	6313	16.35
ZZZZZZ	86994	5.65	77445	7.56	47381	9.57	75488	11.09	31271	13.88	4505	16.37
ZZZZZZ	89975	5.65	92876	7.56	41661	9.57	92673	11.09	40270	13.88	7494	16.35
ZZZZZZ	80316	5.65	81679	7.56	49031	9.57	73911	11.09	43847	13.89	8494	16.35
ZZZZZZ	66487	5.65	57241	7.56	34820	9.57	61393	11.09	23898	13.90	5725	16.37
ZZZZZZ	65206	5.65	69226	7.56	40925	9.57	65060	11.09	32132	13.89	6581	16.35

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Recoveries were adjusted for 1:10 dilution of the 8270 spike amount.

Semivolatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std: EH1920-ICC1920 **Injection Date:** 10/23/09
Lab File ID: H35580.D **Injection Time:** 11:13
Instrument ID: GCMSH **Method:** SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	99258	5.63	92355	7.54	65780	9.57	81086	11.09	9097	13.90	4085	16.38
Upper Limit [a]	198516	6.13	184710	8.04	131560	10.07	162172	11.59	18194	14.40	8170	16.88
Lower Limit [b]	49629	5.13	46178	7.04	32890	9.07	40543	10.59	4549	13.40	2043	15.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	89429	5.63	88061	7.54	51764	9.57	86210	11.09	10836	13.90	3684	16.37
ZZZZZZ	102446	5.63	80744	7.54	71204	9.57	90555	11.09	13944	13.90	4004	16.38
ZZZZZZ	98217	5.63	91523	7.54	59842	9.57	103625	11.09	19954*	13.90	4810	16.38
ZZZZZZ	111903	5.63	359477*	7.74	73219	9.60	61616	11.11	8642	13.90	4297	16.37
ZZZZZZ	96814	5.63	88464	7.54	67931	9.57	119443	11.09	26997*	13.89	6004	16.37
ZZZZZZ	88107	5.63	69180	7.57	72035	9.57	92496	11.09	14676	13.90	3601	16.40
ZZZZZZ	101956	5.63	375050*	7.69	36621	9.57	64740	11.09	6988	13.90	4397	16.37
ZZZZZZ	83199	5.68	94813	7.60	35438	9.57	90670	11.09	9377	13.90	3580	16.38
ZZZZZZ	88199	5.66	99633	7.60	68056	9.57	103262	11.09	17887	13.92	4819	16.40
ZZZZZZ	88599	5.66	102950	7.60	62056	9.57	112878	11.09	17503	13.90	4346	16.40
ZZZZZZ	79748	5.63	63825	7.54	60715	9.57	85179	11.09	13657	13.90	4104	16.40
ZZZZZZ	70341	5.63	53261	7.54	57262	9.57	62898	11.09	6337	13.94	3170	16.42
ZZZZZZ	102972	5.63	90701	7.54	77689	9.57	93763	11.09	11572	13.92	3829	16.42
T39187-3	86061	5.63	144022	7.57	54265	9.60	41302	11.11	6439	13.89	3852	16.37
T39187-4	73468	5.63	97389	7.60	46390	9.60	58193	11.09	6915	13.90	3557	16.37
ZZZZZZ	83538	5.63	628383*	7.78	29743*	9.60	66271	11.09	7246	13.90	3708	16.38

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EJ630-CC615	**Injection Date:**	10/08/09
Lab File ID:	J13703.D	**Injection Time:**	18:44
Instrument ID:	GCMSJ	**Method:**	SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	714939	4.74	2313081	5.96	1190901	8.43	1538062	11.21	1103444	16.74	645836	19.53
Upper Limit [a]	1429878	5.24	4626162	6.46	2381802	8.93	3076124	11.71	2206888	17.24	1291672	20.03
Lower Limit [b]	357470	4.24	1156541	5.46	595451	7.93	769031	10.71	551722	16.24	322918	19.03

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	601226	4.73	2083762	5.94	1085879	8.41	1489657	11.20	748401	16.71	499290	19.52
ZZZZZZ	547976	4.73	1921917	5.94	1028497	8.41	1467061	11.19	948712	16.71	667040	19.51
ZZZZZZ	572371	4.73	2001861	5.93	1061438	8.41	1485411	11.19	922290	16.71	626911	19.52
ZZZZZZ	589474	4.73	2049985	5.94	1076009	8.41	1498592	11.19	807713	16.71	553236	19.51
ZZZZZZ	704576	4.73	2519638	5.94	1384023	8.41	2039115	11.20	1461726	16.72	1009848	19.52
ZZZZZZ	587401	4.73	2003115	5.93	1028694	8.41	1369883	11.19	705408	16.71	489681	19.51
T39314-2	710108	4.73	2479682	5.94	1308571	8.41	1814832	11.19	1025776	16.71	690662	19.52
OP13205-MS	623859	4.73	2134327	5.95	1117983	8.42	1454233	11.20	975258	16.72	602311	19.53
OP13205-MSD	619023	4.73	2140655	5.95	1164370	8.42	1622337	11.20	1153967	16.73	787111	19.53
ZZZZZZ	595307	4.73	2063212	5.94	1061910	8.41	1433664	11.19	739145	16.71	518959	19.52
ZZZZZZ	565530	4.73	1984320	5.94	1031887	8.41	1390208	11.19	890309	16.71	600844	19.52
ZZZZZZ	431786	4.73	1496900	5.94	787415	8.41	1102795	11.19	687131	16.72	455399	19.52
T39187-1	474184	4.73	1687796	5.94	927614	8.41	1369897	11.20	1182663	16.72	775746	19.53
T39187-2	492034	4.73	1713318	5.94	891600	8.41	1193300	11.19	642717	16.72	417565	19.52
T39187-5	520592	4.73	1853050	5.94	978333	8.41	1392579	11.20	897109	16.72	596254	19.52
ZZZZZZ	566439	4.73	1986599	5.94	1008291	8.41	1337048	11.19	720271	16.72	460635	19.53
T39187-3	742968	4.73	2500454	5.94	1216511	8.41	1571718	11.20	854985	16.72	543937	19.52

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Check Std:	EJ631-CC615	**Injection Date:**	10/09/09
Lab File ID:	J13726.D	**Injection Time:**	09:27
Instrument ID:	GCMSJ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	443966	4.73	1544818	5.95	866250	8.43	1249051	11.21	1159703	16.74	653149	19.54
Upper Limit [a]	887932	5.23	3089636	6.45	1732500	8.93	2498102	11.71	2319406	17.24	1306298	20.04
Lower Limit [b]	221983	4.23	772409	5.45	433125	7.93	624526	10.71	579852	16.24	326575	19.04

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13214-MB	534816	4.73	1857751	5.93	934287	8.41	1165619	11.19	575414*	16.71	396993	19.51
OP13214-BS	542859	4.73	2060963	5.94	940919	8.41	1221476	11.19	882129	16.72	511954	19.52
OP13214-BSD	505251	4.73	1947823	5.94	901570	8.41	1191805	11.19	851884	16.72	473719	19.52
ZZZZZZ	558998	4.72	1932902	5.93	942505	8.41	1133071	11.19	557189*	16.70	378654	19.51
T39417-2	560339	4.73	1979462	5.93	1015140	8.41	1212271	11.19	710926	16.71	476003	19.51
OP13214-MS [c]	605154	4.73	2138134	5.93	1084809	8.41	1294987	11.19	831006	16.72	531012	19.51
OP13214-MSD [d]	619699	4.73	2148401	5.94	1052083	8.41	1182750	11.19	662393	16.71	400084	19.51
ZZZZZZ	603658	4.72	2132060	5.93	1069183	8.41	1302032	11.19	816405	16.71	499054	19.51
ZZZZZZ	667951	4.73	2357037	5.93	1305894	8.41	1784109	11.19	938837	16.71	450487	19.51
ZZZZZZ	487326	4.72	1741479	5.93	904426	8.40	1183557	11.18	637063	16.71	358335	19.51
ZZZZZZ	483726	4.72	1731859	5.93	907831	8.40	1172947	11.18	736003	16.71	465255	19.51
ZZZZZZ	499616	4.72	1731507	5.93	905489	8.40	1120641	11.18	651365	16.70	353195	19.51
T39187-4	570817	4.72	2010581	5.93	1001479	8.40	1229629	11.18	654424	16.70	436589	19.51
T39187-3 [e]	546861	4.72	1924056	5.93	935171	8.40	1086282	11.18	542583*	16.70	344550	19.50
ZZZZZZ	500905	4.72	1438190	5.98	979413	8.42	1348883	11.20	873342	16.72	422456	19.51
T39187-3 [e]	505388	4.72	2054945	5.95	971136	8.43	1390601	11.22	567701*	16.74	260349*	19.53
T39187-4 [f]	569879	4.72	2028961	5.96	992096	8.42	1390154	11.20	671400	16.74	372010	19.52
ZZZZZZ	618280	4.76	1979262	5.93	975991	8.39	996765	11.18	535214*	16.70	144744*	19.50

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Extracted for base-neutral compounds only.
(d) Extracted for base neutral compounds only.
(e) Internal standards are not within the advisory limits due to a matrix interference. Confirmed by reanalysis.
(f) Elevated reporting limits due to matrix interference.

Semivolatile Surrogate Recovery Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
T39187-1	J13719.D	49.0	32.0	84.0	77.0	68.0	96.0
T39187-2	J13720.D	55.0	44.0	77.0	83.0	75.0	99.0
T39187-3	J13747.D	49.0	19.0	75.0	82.0	75.0	129.0
T39187-3	J13744.D	51.0	33.0	70.0	76.0	86.0	96.0
T39187-3	J13723.D	40.0	23.0	52.0	62.0	120.0* [a]	82.0
T39187-4	J13748.D	43.0	19.0	54.0	45.0	81.0	94.0
T39187-4	J13743.D	0.0* [a]	0.0* [a]	0.0* [a]	0.0* [a]	0.0* [a]	91.0
T39187-5	J13721.D	50.0	34.0	79.0	75.0	69.0	103.0
OP13205-BS	J13700.D	45.0	30.0	88.0	73.0	75.0	89.0
OP13205-BSD	J13701.D	45.0	30.0	90.0	74.0	76.0	96.0
OP13205-MB	J13696.D	64.0	47.0	83.0	86.0	77.0	103.0
OP13205-MS	J13713.D	59.0	51.0	83.0	72.0	67.0	95.0
OP13205-MSD	J13714.D	57.0	50.0	80.0	70.0	64.0	90.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-66%
S2 = Phenol-d5	10-53%
S3 = 2,4,6-Tribromophenol	32-128%
S4 = Nitrobenzene-d5	29-115%
S5 = 2-Fluorobiphenyl	34-113%
S6 = Terphenyl-d14	12-145%

(a) Outside control limits due to dilution.

Semivolatile Surrogate Recovery Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
T39187-1	H35523.D	87.0 [a]	98.0 [a]	124.0 [a]
T39187-2	H35502.D	73.0 [a]	94.0 [a]	89.0 [a]
T39187-3	H35602.D	84.0 [a]	111.0 [a]	88.0 [a]
T39187-4	H35603.D	81.0 [a]	60.0 [a]	131.0 [a]
T39187-5	H35503.D	75.0 [a]	101.0 [a]	110.0 [a]
OP13269-BS	H35493.D	52.0	68.0	71.0
OP13269-BSD	H35494.D	48.0	70.0	72.0
OP13269-MB	H35492.D	98.0 [a]	134.0 [a]	136.0 [a]

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	17-131%
S2 = 2-Fluorobiphenyl	15-137%
S3 = Terphenyl-d14	10-160%

(a) Recovery was adjusted for 10x spiking.

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1917-ICC1917
Lab FileID: H35490.D

```
                        Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Tue Oct 20 14:24:14 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35486.D    5   =H35488.D    1   =H35485.D    2.5 =H35490.D
 0.2 =H35487.D    10  =H35489.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                            0.000  -1.00
 3)I N-Nitroso-di-n-pr                                            0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.217 0.424 0.278 0.361 0.240 0.426       0.324  28.37
            ---- Quadratic regression ----  Coefficient =  0.9986
              Response Ratio = -0.08350 + 0.41144 *A + 0.00179 *A^2

 6)T Naphthalene       1.531 1.753 1.622 1.563 1.430 1.875       1.629   9.88
 7)  2-Methylnaphthale 0.830 1.600 2.030 1.658 0.861 1.278       1.376  34.55
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.02423 + 1.92984 *A + -0.25653 *A^2

 8)  1-Methylnaphthale 3.067 1.783 2.042 1.729 1.728 1.662       2.002  26.89
            ---- Quadratic regression ----  Coefficient =  0.9995
              Response Ratio = 0.01690 + 1.83572 *A + -0.07137 *A^2


 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  2.660 2.030 2.403 1.853 2.612 2.931       2.415  16.86
            ---- Quadratic regression ----  Coefficient =  0.9989
              Response Ratio = 0.61420 + 1.13124 *A + 0.13949 *A^2

11)T Acenaphthylene    2.689 3.486 3.475 3.293 2.401 3.427       3.129  14.89
12)T Acenaphthene      2.639 2.266 2.395 2.145 2.492 2.380       2.386   7.20
13)  Dibenzofuran      2.475 1.771 2.062 1.627 2.580 1.584       2.016  21.39
            ---- Quadratic regression ----  Coefficient =  0.9984
              Response Ratio = 0.02227 + 1.82434 *A + -0.09825 *A^2

14)T Fluorene          2.140 1.226 1.377 1.255 1.955 1.054       1.501  29.28
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = 0.01910 + 1.34089 *A + -0.11726 *A^2


15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.229 0.220 0.197 0.193 0.158 0.247       0.207  15.26
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.00730 + 0.18774 *A + 0.00241 *A^2

17)  Pentachlorophenol                                            0.000  -1.00
18)T Phenanthrene      2.474 2.079 2.272 2.080 1.917 2.120       2.157   8.91
19)T Anthracene        2.668 2.138 2.297 2.310 2.117 2.133       2.277   9.21
20)T Fluoranthene      2.204 2.349 2.165 2.104 1.844 2.299       2.161   8.28

21) I   Chrysene-d12          ----------------ISTD---------------------
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1917-ICC1917
Lab FileID: H35490.D

```
22)T Pyrene            2.434 2.395 2.265 2.259 1.850 2.394       2.266   9.56
23)S Terphenyl-d14     0.534 0.526 0.454 0.454 0.400 0.647       0.502  17.25
            ---- Quadratic regression ----  Coefficient =  1.0000
              Response Ratio = 0.01260 + 0.39735 *A + 0.01990 *A^2

24)T Benzo[a]anthracen 1.466 1.588 1.463 1.498 1.112 1.641       1.461  12.67
25)T Chrysene          1.791 1.438 1.406 1.450 1.289 1.356       1.455  12.02

26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 0.853 1.996 1.584 1.582 0.768 2.578       1.560  43.98
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.01918 + 1.39554 *A + 0.47648 *A^2

28)T Benzo[k]fluoranth 2.018 2.401 2.086 2.508 1.729 2.156       2.150  12.99
29)T Benzo[a]pyrene    0.812 1.625 1.390 1.541 0.659 1.721       1.291  34.59
            ---- Quadratic regression ----  Coefficient =  1.0000
              Response Ratio = -0.03665 + 1.56217 *A + 0.06942 *A^2

30)T Indeno[1,2,3-cd]p 0.204 0.558 0.419 0.551 0.291 0.608       0.438  37.12
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.01368 + 0.53093 *A + 0.03285 *A^2

31)T Dibenz[a,h]anthra 0.152 0.368 0.237 0.360 0.086 0.433       0.273  50.05
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = -0.01073 + 0.32600 *A + 0.04438 *A^2

32)T Benzo[g,h,i]peryl 0.149 0.406 0.326 0.376 0.203 0.441       0.317  36.81
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.00939 + 0.37654 *A + 0.02753 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10209SP.M        Tue Oct 20 14:25:17 2009
```

7.7.1

7

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1917-ICV1917
Lab FileID: H35491.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D            Vial: 9
Acq On    : 20 Oct 2009   1:58 pm                   Operator: sheilac
Sample    : icv1917-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1917,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	151	-0.02	5.63
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00	7.56
5	S	Nitrobenzene-d5		----------NA----------				
6	T	Naphthalene	1.629	1.403	13.9	125	-0.03	7.56
		----------	Amount	Calc.	%Drift		----------	
7		2-Methylnaphthalene	2.500	2.219	11.2	130	0.00	8.45
8		1-Methylnaphthalene	2.500	1.985	20.6	117	0.00	8.56
		----------	AvgRF	CCRF	%Dev		----------	
9	I	Acenaphthene-d10	1.000	1.000	0.0	139	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
11	T	Acenaphthylene	3.129	3.230	-3.2	136	0.00	9.41
12	T	Acenaphthene	2.386	2.283	4.3	147	0.00	9.60
		----------	Amount	Calc.	%Drift		----------	
13		Dibenzofuran	2.500	1.989	20.4	123	-0.03	9.78
14	T	Fluorene	2.500	2.046	18.2	119	0.00	10.13
		----------	AvgRF	CCRF	%Dev		----------	
15	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	2.157	2.243	-4.0	138	0.00	11.11
19	T	Anthracene	2.277	2.293	-0.7	127	0.00	11.17
20	T	Fluoranthene	2.161	2.303	-6.6	140	0.00	12.29
21	I	Chrysene-d12	1.000	1.000	0.0	128	0.00	13.87
22	T	Pyrene	2.266	2.353	-3.8	134	0.00	12.51
23	S	Terphenyl-d14		----------NA----------				
24	T	Benzo[a]anthracene	1.461	1.683	-15.2	144	0.00	13.85
25	T	Chrysene	1.455	1.474	-1.3	131	0.00	13.90
26	I	Perylene-d12	1.000	1.000	0.0	142	0.00	16.31
		----------	Amount	Calc.	%Drift		----------	
27	T	Benzo[b]fluoranthene	2.500	2.550	-2.0	152	0.00	15.59

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1917-ICV1917
Lab FileID: H35491.D

			AvgRF	CCRF	%Dev			
28	T	Benzo[k]fluoranthene	2.150	2.519	-17.2	142	0.00	15.64

			Amount	Calc.	%Drift			
29	T	Benzo[a]pyrene	2.500	2.411	3.6	137	0.00	16.21
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.494	0.2	136	-0.02	18.63
31	T	Dibenz[a,h]anthracene	2.500	2.691	-7.6	144	0.00	18.65
32	T	Benzo[g,h,i]perylene	2.500	2.572	-2.9	147	0.00	19.24

H35490.D H10209SP.M Tue Oct 20 14:30:46 2009

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1918-ICC1918
Lab FileID: H35513.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Wed Oct 21 14:15:44 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35515.D    5   =H35517.D    1   =H35514.D    2.5 =H35513.D
 0.2 =H35516.D    10  =H35518.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                          0.000  -1.00
 3)I N-Nitroso-di-n-pr                                          0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.156 0.224 0.199 0.219 0.085 0.146       0.172  30.96
            ---- Quadratic regression ----  Coefficient =  0.9959
              Response Ratio = -0.06229 + 0.29588 *A + -0.01152 *A^2

 6)T Naphthalene       1.313 0.776 1.134 0.967 1.151 0.659       1.000  24.73
            ---- Quadratic regression ----  Coefficient =  0.9975
              Response Ratio = 0.03007 + 0.92245 *A + -0.11112 *A^2

 7)  2-Methylnaphthale 0.311 1.401 1.148 1.474 0.458 1.200       0.999  49.36
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = -0.06428 + 1.66487 *A + -0.17518 *A^2

 8)  1-Methylnaphthale 1.366 1.174 1.913 1.433 1.038 0.960       1.314  26.30
            ---- Quadratic regression ----  Coefficient =  0.9957
              Response Ratio = 0.03314 + 1.44482 *A + -0.20086 *A^2


 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  2.510 3.482 2.577 2.579 2.054 2.967       2.695  17.92
            ---- Quadratic regression ----  Coefficient =  0.9928
              Response Ratio = -0.83418 + 3.65215 *A + -0.04769 *A^2

11)T Acenaphthylene    2.543 2.104 1.807 2.203 2.349 2.482       2.248  12.08
12)T Acenaphthene      2.127 2.547 2.253 2.411 1.945 2.438       2.287   9.78
13)  Dibenzofuran      2.470 1.592 2.195 1.346 2.133 1.539       1.879  23.75
            ---- Quadratic regression ----  Coefficient =  0.9962
              Response Ratio = 0.04899 + 1.48334 *A + 0.01581 *A^2

14)T Fluorene          1.073 0.958 1.145 0.869 1.250 0.981       1.046  13.21

15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.068 0.159 0.136 0.160 0.117 0.142       0.130  26.33
            ---- Quadratic regression ----  Coefficient =  0.9996
              Response Ratio = -0.04921 + 0.17858 *A + -0.00139 *A^2

17)  Pentachlorophenol                                          0.000  -1.00
18)T Phenanthrene      2.078 2.030 1.763 1.968 1.615 2.086       1.923   9.98
19)T Anthracene        2.284 1.908 1.979 2.053 1.921 1.807       1.992   8.27
20)T Fluoranthene      1.738 1.712 1.846 1.869 1.396 1.677       1.706   9.95

21) I   Chrysene-d12          ----------------ISTD---------------------
```

7.7.3

7

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-ICC1918
Lab FileID: H35513.D

```
22)T Pyrene            5.393 3.002 3.463 3.399 3.550 2.835       3.607  25.47
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = 0.06023 + 3.23251 *A + -0.17071 *A^2

23)S Terphenyl-d14     0.883 0.831 0.784 0.729 0.678 0.650       0.759  11.84
24)T Benzo[a]anthracen 1.215 1.386 1.438 1.294 0.961 1.495       1.298  14.89
25)T Chrysene          1.943 1.589 1.442 1.737 1.322 1.560       1.599  13.72

26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 0.856 1.752 0.954 1.789 0.626 2.400       1.396  49.29
            ---- Quadratic regression ----  Coefficient =  0.9984
              Response Ratio = -0.02291 + 1.28253 *A + 0.44842 *A^2

28)T Benzo[k]fluoranth 1.704 2.915 2.173 2.983 1.505 2.591       2.312  26.89
            ---- Quadratic regression ----  Coefficient =  0.9990
              Response Ratio = -0.11840 + 3.31669 *A + -0.26976 *A^2

29)T Benzo[a]pyrene    0.848 1.678 1.392 1.542 0.603 1.721       1.297  35.78
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.04852 + 1.64566 *A + 0.03863 *A^2

30)T Indeno[1,2,3-cd]p 0.435 0.680 0.757 0.562 0.537 0.630       0.600  18.95
            ---- Quadratic regression ----  Coefficient =  0.9970
              Response Ratio = -0.00795 + 0.68227 *A + -0.01877 *A^2

31)T Dibenz[a,h]anthra 0.368 0.468 0.485 0.353 0.184 0.440       0.383  29.04
            ---- Quadratic regression ----  Coefficient =  0.9954
              Response Ratio = -0.01108 + 0.45630 *A + -0.00408 *A^2

32)T Benzo[g,h,i]peryl 0.465 0.563 0.720 0.493 0.426 0.472       0.523  20.35
            ---- Quadratic regression ----  Coefficient =  0.9958
              Response Ratio = -0.00368 + 0.61454 *A + -0.05592 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10219SP.M        Wed Oct 21 14:38:54 2009
```

7.7.3

7

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1918-ICV1918
Lab FileID: H35519.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D            Vial: 8
Acq On    : 21 Oct 2009   1:57 pm                   Operator: sheilac
Sample    : icv1918-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1918,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Wed Oct 21 14:43:08 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	152	0.00	5.65
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	183	0.00	7.56
5	S	Nitrobenzene-d5		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
6	T	Naphthalene	2.500	2.490	0.4	170	0.00	7.59
7		2-Methylnaphthalene	2.500	2.400	4.0	173	0.00	8.45
8		1-Methylnaphthalene	2.500	2.427	2.9	171	0.00	8.56
		----------	AvgRF	CCRF	%Dev		----------	
9	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
11	T	Acenaphthylene	2.248	2.139	4.8	98	0.03	9.43
12	T	Acenaphthene	2.287	2.508	-9.7	105	0.00	9.60
13		Dibenzofuran	1.879	2.245	-19.5	168	0.00	9.81
14	T	Fluorene	1.046	1.289	-23.2	149	0.00	10.16
15	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.923	1.897	1.4	123	0.00	11.11
19	T	Anthracene	1.992	2.235	-12.2	139	0.00	11.17
20	T	Fluoranthene	1.706	1.878	-10.1	128	0.00	12.29
21	I	Chrysene-d12	1.000	1.000	0.0	141	0.00	13.89
		----------	Amount	Calc.	%Drift		----------	
22	T	Pyrene	2.500	2.534	-1.4	135	0.02	12.53
		----------	AvgRF	CCRF	%Dev		----------	
23	S	Terphenyl-d14		----------NA----------				
24	T	Benzo[a]anthracene	1.298	1.376	-6.0	150	0.00	13.87
25	T	Chrysene	1.599	1.706	-6.7	138	0.00	13.92
26	I	Perylene-d12	1.000	1.000	0.0	193	0.00	16.35
		----------	Amount	Calc.	%Drift		----------	
27	T	Benzo[b]fluoranthene	2.500	2.761	-10.4	186	0.02	15.62

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1918-ICV1918
Lab FileID: H35519.D

28	T	Benzo[k]fluoranthene	2.500	2.417	3.3	185	0.00	15.66
29	T	Benzo[a]pyrene	2.500	2.456	1.8	196	0.00	16.24
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.607	-4.3	236	-0.02	18.68
31	T	Dibenz[a,h]anthracene	2.500	2.571	-2.8	246	-0.02	18.68
32	T	Benzo[g,h,i]perylene	2.500	2.610	-4.4	234	-0.02	19.27

H35513.D H10219SP.M Wed Oct 21 14:44:12 2009

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1920-ICC1920
Lab FileID: H35580.D

```
                         Response Factor Report  TXMSH

 Method       : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
 Title        : SIM METHOD FOR BNA
 Last Update  : Fri Oct 23 14:18:42 2009
 Response via : Initial Calibration

 Calibration Files
 0.1 =H35582.D    5   =H35584.D    1   =H35581.D    2.5 =H35580.D
 0.2 =H35583.D    10  =H35585.D        =

    Compound             0.1   5     1     2.5   0.2   10          Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 2)I N-Nitrosodimethyl                                          0.000  -1.00
 3)I N-Nitroso-di-n-pr                                          0.000  -1.00

 4) I   Naphthalene-d8        ----------------ISTD---------------------
 5)S Nitrobenzene-d5   0.042 0.141 0.206 0.175 0.044 0.184       0.132  54.60
            ---- Quadratic regression ----  Coefficient =  0.9930
              Response Ratio = 0.03039 + 0.11977 *A + 0.00487 *A^2

 6)T Naphthalene       1.570 1.114 1.337 1.338 1.493 1.182       1.339  13.03
 7)  2-Methylnaphthale 0.302 1.273 0.758 0.960 0.379 1.309       0.830  51.99
            ---- Quadratic regression ----  Coefficient =  0.9975
              Response Ratio = -0.06583 + 1.17709 *A + 0.06574 *A^2

 8)  1-Methylnaphthale 1.209 1.680 1.496 1.648 1.232 1.663       1.488  14.63

 9) I   Acenaphthene-d10      ----------------ISTD---------------------
10)S 2-Fluorobiphenyl  2.109 2.142 2.332 1.879 1.942 2.855       2.210  16.02
            ---- Quadratic regression ----  Coefficient =  0.9994
              Response Ratio = 0.34256 + 1.41503 *A + 0.11273 *A^2

11)T Acenaphthylene    2.130 2.763 1.704 2.938 2.126 3.170       2.472  22.99
            ---- Quadratic regression ----  Coefficient =  0.9983
              Response Ratio = -0.04641 + 2.54692 *A + 0.25504 *A^2

12)T Acenaphthene      2.303 2.292 2.244 2.276 2.036 2.240       2.232   4.43
13)  Dibenzofuran      2.312 1.317 2.693 1.824 2.223             2.074  25.26
            ---- Quadratic regression ----  Coefficient =  0.9926
              Response Ratio = 0.01863 + 2.46999 *A + -0.94070 *A^2

14)T Fluorene          1.077 0.904 1.267 1.112 1.124 0.865       1.058  14.16

15) I   Phenanthrene-d10      ----------------ISTD---------------------
16)S 2,4,6-Tribromophe 0.047 0.169 0.125 0.149 0.057 0.146       0.115  44.35
            ---- Quadratic regression ----  Coefficient =  0.9977
              Response Ratio = -0.09013 + 0.18793 *A + -0.00152 *A^2

17)  Pentachlorophenol                                          0.000  -1.00
18)T Phenanthrene      1.667 1.959 1.579 1.811 1.545 1.921       1.747  10.06
19)T Anthracene        2.209 1.900 2.110 2.114 2.115 1.707       2.026   9.22
20)T Fluoranthene      0.751 0.988 0.673 0.826 0.573 1.066       0.813  23.06
            ---- Quadratic regression ----  Coefficient =  0.9992
              Response Ratio = -0.02785 + 0.88184 *A + 0.07934 *A^2


21) I   Chrysene-d12          ----------------ISTD---------------------
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-ICC1920
Lab FileID: H35580.D

```
22)T Pyrene            6.492 7.580 6.472 7.477 4.969 6.443       6.572  14.34
23)S Terphenyl-d14     0.652 1.292 0.852 1.095 0.569 1.488       0.991  36.65
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.18129 + 1.09002 *A + 0.03314 *A^2

24)T Benzo[a]anthracen 0.813 0.886 0.611 1.061 0.798 1.334       0.917  27.33
            ---- Quadratic regression ----  Coefficient =  0.9952
              Response Ratio = 0.02531 + 0.58213 *A + 0.29386 *A^2

25)T Chrysene          1.553 2.027 2.263 1.703 1.560 1.661       1.794  16.02
            ---- Quadratic regression ----  Coefficient =  0.9953
              Response Ratio = -0.04084 + 2.22933 *A + -0.21774 *A^2


26) I   Perylene-d12          ----------------ISTD---------------------
27)T Benzo[b]fluoranth 1.475 1.189 0.707 0.952 1.117 1.093       1.089  23.39
            ---- Quadratic regression ----  Coefficient =  0.9954
              Response Ratio = -0.04386 + 1.18553 *A + -0.02724 *A^2

28)T Benzo[k]fluoranth 1.300 2.430 1.824 2.130 0.664 2.671       1.837  40.73
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.07190 + 2.19710 *A + 0.20235 *A^2

29)T Benzo[a]pyrene    1.344 1.455 1.172 1.329 0.416 1.579       1.216  34.12
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.03199 + 1.34106 *A + 0.10073 *A^2

30)T Indeno[1,2,3-cd]p 0.131 1.010 0.843 0.948 0.259 1.045       0.706  57.19
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.03362 + 1.00065 *A + 0.02322 *A^2

31)T Dibenz[a,h]anthra 0.305 0.680 0.549 0.683 0.097 0.734       0.508  50.00
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.01920 + 0.66468 *A + 0.03045 *A^2

32)T Benzo[g,h,i]peryl 0.515 0.881 0.875 0.881 0.232 0.841       0.704  38.59
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.02141 + 0.94561 *A + -0.03858 *A^2

-------------------------------------------------------------------------------
(#) = Out of Range

          H10239SP.M        Fri Oct 23 14:35:06 2009
```

7.7.5

7

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EH1920-ICV1920
Lab FileID: H35586.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D            Vial: 8
Acq On    : 23 Oct 2009   2:13 pm                   Operator: sheilac
Sample    : icv1920-2.5                             Inst    : TXMSH
Misc      : OP12779,EH1920,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title        : SIM METHOD FOR BNA
Last Update  : Fri Oct 23 15:22:10 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	5.63
2	I	N-Nitrosodimethylamine		----------NA----------				
3	I	N-Nitroso-di-n-propylamin		----------NA----------				
4	I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	7.54
5	S	Nitrobenzene-d5		----------NA----------				
6	T	Naphthalene	1.339	1.494	-11.6	146	0.00	7.57
		----------	Amount	Calc.	%Drift	----------		
7		2-Methylnaphthalene	2.500	2.346	6.2	141	0.00	8.46
		----------	AvgRF	CCRF	%Dev	----------		
8		1-Methylnaphthalene	1.488	1.734	-16.5	138	0.00	8.55
9	I	Acenaphthene-d10	1.000	1.000	0.0	153	0.00	9.57
10	S	2-Fluorobiphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
11	T	Acenaphthylene	2.500	1.974	21.0	106	0.00	9.41
		----------	AvgRF	CCRF	%Dev	----------		
12	T	Acenaphthene	2.232	2.333	-4.5	156	0.00	9.59
		----------	Amount	Calc.	%Drift	----------		
13		Dibenzofuran	2.500	1.987	20.5	136	0.00	9.81
		----------	AvgRF	CCRF	%Dev	----------		
14	T	Fluorene	1.058	0.875	17.3	120	0.00	10.16
15	I	Phenanthrene-d10	1.000	1.000	0.0	134	0.00	11.09
16	S	2,4,6-Tribromophenol		----------NA----------				
17		Pentachlorophenol		----------NA----------				
18	T	Phenanthrene	1.747	1.837	-5.2	136	0.00	11.11
19	T	Anthracene	2.026	2.065	-1.9	131	0.00	11.17
		----------	Amount	Calc.	%Drift	----------		
20	T	Fluoranthene	2.500	2.374	5.0	136	0.02	12.31
		----------	AvgRF	CCRF	%Dev	----------		
21	I	Chrysene-d12	1.000	1.000	0.0	182	0.00	13.90
22	T	Pyrene	6.572	5.798	11.8	141	0.00	12.53

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EH1920-ICV1920
Lab FileID: H35586.D

23	S	Terphenyl-d14		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
24	T	Benzo[a]anthracene	2.500	3.067	-22.7	193	0.00	13.88
25	T	Chrysene	2.500	2.275	9.0	198	0.00	13.94
		----------	AvgRF	CCRF	%Dev	----------		
26	I	Perylene-d12	1.000	1.000	0.0	188	0.00	16.38
		----------	Amount	Calc.	%Drift	----------		
27	T	Benzo[b]fluoranthene	2.500	2.336	6.6	202	0.00	15.66
28	T	Benzo[k]fluoranthene	2.500	2.616	-4.6	205	0.00	15.69
29	T	Benzo[a]pyrene	2.500	2.521	-0.8	193	0.00	16.30
30	T	Indeno[1,2,3-cd]pyrene	2.500	2.366	5.4	180	0.02	18.77
31	T	Dibenz[a,h]anthracene	2.500	2.447	2.1	176	0.02	18.77
32	T	Benzo[g,h,i]perylene	2.500	2.178	12.9	165	0.02	19.34

H35580.D H10239SP.M Fri Oct 23 15:24:28 2009

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ602-ICC602
Lab FileID: J13035.D

Response Factor Report AGC-VOA-MSJ

```
Method       : C:\msdchem\1\METHODS\ej602c.m (RTE Integrator)
Title        :
Last Update  : Sat Sep 05 15:31:46 2009
Response via : Initial Calibration

Calibration Files
25  =j13038.D    50  =j13035.D    75  =j13034.D    100 =j13039.D
10.0=j13037.D        =                =
```

Compound	25	50	75	100	10.0	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------						
2) bis(Chloromethyl)						0.000	-1.00
3) 1,4-Dioxane						0.000	-1.00
4) 2-Picoline						0.000	-1.00
5) n-Nitrosodimethyl						0.000	-1.00
6) Pyridine						0.000	-1.00
7) Furfural						0.000	-1.00
8)S 2-Fluorophenol (S	1.303	1.267	1.364	1.144	1.266	1.269	6.33
9)S Phenol-d5 (SURR)	1.547	1.547	1.621	1.637	1.431	1.557	5.24
10)C Phenol						0.000	-1.00
11) Aniline						0.000	-1.00
12) bis(2-Chloroethyl						0.000	-1.00
13) Benzaldehyde						0.000	-1.00
14) 2-Chlorophenol						0.000	-1.00
15) n-Decane	1.936	1.851	1.879	1.606	1.933	1.841	7.41
16) 1,3-Dichlorobenze						0.000	-1.00
17)C 1,4-Dichlorobenze						0.000	-1.00
18) Benzyl Alcohol						0.000	-1.00
19) 1,2-Dichlorobenze						0.000	-1.00
20) Acetophenone						0.000	-1.00
21) 2-Methylphenol						0.000	-1.00
22) bis(2-chloroisopr						0.000	-1.00
23) 4-Methylphenol						0.000	-1.00
24) m+p-Cresols						0.000	-1.00
25)P n-Nitroso-di-n-pr						0.000#	-1.00
26) Hexachloroethane						0.000	-1.00
27) I Naphthalene-d8	----------ISTD----------						
28)S Nitrobenzene-d5 (	0.397	0.384	0.402	0.413	0.366	0.392	4.65
29) Nitrobenzene						0.000	-1.00
30) Isophorone						0.000	-1.00
31) N-Nitrosodiethyla						0.000	-1.00
32)C 2-Nitrophenol						0.000	-1.00
33) 2,4-Dimethylpheno						0.000	-1.00
34) bis(2-Chloroethox						0.000	-1.00
35) Benzoic Acid						0.000	-1.00
36)C 2,4-Dichloropheno						0.000	-1.00
37) 1,2,4-Trichlorobe						0.000	-1.00
38) Naphthalene						0.000	-1.00
39) 4-Chloroaniline						0.000	-1.00
40) Caprolactam						0.000	-1.00
41)C Hexachlorobutadie						0.000	-1.00
42) N-Nitrosodi-n-but	0.043					0.043	0.00
43)C 4-Chloro-3-methyl						0.000	-1.00
44) 2-Methylnaphthale						0.000	-1.00
45) 1-Methylnaphthale						0.000	-1.00

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ602-ICC602
Lab FileID: J13035.D

```
46) I   Acenaphthene-d10      ----------------ISTD---------------------
47)P Hexachlorocyclope                                          0.000  -1.00
48)  1,2,4,5-Tetrachlo                                          0.000  -1.00
49)C 2,4,6-Trichloroph                                          0.000  -1.00
50)  2,4,5-Trichloroph                                          0.000  -1.00
51)S 2-Fluorobiphenyl  1.443 1.452 1.520 1.490 1.404            1.462   3.05
52)  2-Chloronaphthale                                          0.000  -1.00
53)  1,1'-Biphenyl                                              0.000  -1.00
54)  2-Nitroaniline                                             0.000  -1.00
55)  Dimethylphthalate                                          0.000  -1.00
56)  Acenaphthylene                                             0.000  -1.00
57)  2,6-Dinitrotoluen                                          0.000  -1.00
58)  3-Nitroaniline                                             0.000  -1.00
59)C Acenaphthene                                               0.000  -1.00
60)P 2,4-Dinitrophenol                                          0.000# -1.00
61)P 4-Nitrophenol                                              0.000# -1.00
62)  Dibenzofuran                                               0.000  -1.00
63)  2,4-Dinitrotoluen                                          0.000  -1.00
64)  2,3,4,6-Tetrachlo                                          0.000  -1.00
65)  Diethylphthalate                                           0.000  -1.00
66)  Fluorene                                                   0.000  -1.00
67)  4-Chlorophenyl-ph                                          0.000  -1.00
68)  4-Nitroaniline                                             0.000  -1.00

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70)  1,2-Diphenylhydra                                          0.000  -1.00
71)  4,6-Dinitro-2-met                                          0.000  -1.00
72)  Diphenylamine                                              0.000  -1.00
73)  Atrazine                                                   0.000  -1.00
74)C n-Nitrosodiphenyl                                          0.000  -1.00
75)S 2,4,6-Tribromophe 0.117 0.118 0.133 0.147 0.094            0.122  16.32
            ---- Quadratic regression ----  Coefficient =  0.9995
              Response Ratio = 0.01092 + 0.08540 *A + 0.01188 *A^2

76)  4-Bromophenyl-phe                                          0.000  -1.00
77)  Hexachlorobenzene                                          0.000  -1.00
78)C Pentachlorophenol                                          0.000  -1.00
79)  n-Octadecane      0.774 0.817 0.811 0.708 0.764            0.775   5.68
80)  Phenanthrene                                               0.000  -1.00
81)  Anthracene                                                 0.000  -1.00
82)  Carbazole                                                  0.000  -1.00
83)  Pentachlorobenzen                                          0.000  -1.00
84)  Di-n-butylphthala                                          0.000  -1.00
85)C Fluoranthene                                               0.000  -1.00

86) I   Chrysene-d12          ----------------ISTD---------------------
87)  Benzidine                                                  0.000  -1.00
88)  Pyrene                                                     0.000  -1.00
89)S Terphenyl-d14     0.973 0.918 0.977 1.035 0.986            0.978   4.27
90)  Butylbenzylphthal                                          0.000  -1.00
91)  Benzo(a)anthracen                                          0.000  -1.00
92)  3,3'-Dichlorobenz                                          0.000  -1.00
93)  Chrysene                                                   0.000  -1.00
94)  bis(2-Ethylhexyl)                                          0.000  -1.00

95) I   Perylene-d12          ----------------ISTD---------------------
96)C Di-n-octylphthala                                          0.000  -1.00
97)  Benzo(b)fluoranth                                          0.000  -1.00
98)  Benzo(k)fluoranth                                          0.000  -1.00
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ602-ICC602
Lab FileID: J13035.D

```
 99)C Benzo(a)pyrene                                          0.000  -1.00
100)  Indeno(1,2,3-cd)p                                       0.000  -1.00
101)  Dibenz(a,h)anthra                                       0.000  -1.00
102)  Benzo(g,h,i)peryl                                       0.000  -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range

          ej602c.m          Sat Sep 05 15:32:57 2009
```

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ602-ICV602
Lab FileID: J13041.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej602\j13041.D            Vial: 10
Acq On    :  5 Sep 2009   3:36 pm                   Operator: sheilac
Sample    : icv602-50,(c10+c18)                     Inst    : AGC-VOA-MSJ
Misc      : op10821,Ej602,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej602c.m (RTE Integrator)
Title        :
Last Update  : Sat Sep 05 15:31:46 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	5.12
2		bis(Chloromethyl) ether		----------NA----------				
3		1,4-Dioxane		----------NA----------				
4		2-Picoline		----------NA----------				
5		n-Nitrosodimethylamine		----------NA----------				
6		Pyridine		----------NA----------				
7		Furfural		----------NA----------				
8	S	2-Fluorophenol (SURR)		----------NA----------				
9	S	Phenol-d5 (SURR)		----------NA----------				
10	C	Phenol		----------NA----------				
11		Aniline		----------NA----------				
12		bis(2-Chloroethyl)ether		----------NA----------				
13		Benzaldehyde		----------NA----------				
14		2-Chlorophenol		----------NA----------				
15		n-Decane	1.841	1.833	0.4	122	0.00	4.98
16		1,3-Dichlorobenzene		----------NA----------				
17	C	1,4-Dichlorobenzene		----------NA----------				
18		Benzyl Alcohol		----------NA----------				
19		1,2-Dichlorobenzene		----------NA----------				
20		Acetophenone		----------NA----------				
21		2-Methylphenol		----------NA----------				
22		bis(2-chloroisopropyl)eth		----------NA----------				
23		4-Methylphenol		----------NA----------				
24		m+p-Cresols		----------NA----------				
25	P	n-Nitroso-di-n-propylamin		----------NA----------				
26		Hexachloroethane		----------NA----------				
27	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	6.34
28	S	Nitrobenzene-d5 (SURR)		----------NA----------				
29		Nitrobenzene		----------NA----------				
30		Isophorone		----------NA----------				
31		N-Nitrosodiethylamine		----------NA----------				
32	C	2-Nitrophenol		----------NA----------				
33		2,4-Dimethylphenol		----------NA----------				
34		bis(2-Chloroethoxy)methan		----------NA----------				
35		Benzoic Acid		----------NA----------				
36	C	2,4-Dichlorophenol		----------NA----------				
37		1,2,4-Trichlorobenzene		----------NA----------				
38		Naphthalene		----------NA----------				
39		4-Chloroaniline		----------NA----------				
40		Caprolactam		----------NA----------				
41	C	Hexachlorobutadiene		----------NA----------				

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ602-ICV602
Lab FileID: J13041.D

42		N-Nitrosodi-n-butylamine		----------NA----------				
43	C	4-Chloro-3-methylphenol		----------NA----------				
44		2-Methylnaphthalene		----------NA----------				
45		1-Methylnaphthalene		----------NA----------				
46	I	Acenaphthene-d10	1.000	1.000	0.0	127	0.00	8.83
47	P	Hexachlorocyclopentadiene		----------NA----------				
48		1,2,4,5-Tetrachlorobenzen		----------NA----------				
49	C	2,4,6-Trichlorophenol		----------NA----------				
50		2,4,5-Trichlorophenol		----------NA----------				
51	S	2-Fluorobiphenyl (SURR)		----------NA----------				
52		2-Chloronaphthalene		----------NA----------				
53		1,1'-Biphenyl		----------NA----------				
54		2-Nitroaniline		----------NA----------				
55		Dimethylphthalate		----------NA----------				
56		Acenaphthylene		----------NA----------				
57		2,6-Dinitrotoluene		----------NA----------				
58		3-Nitroaniline		----------NA----------				
59	C	Acenaphthene		----------NA----------				
60	P	2,4-Dinitrophenol		----------NA----------				
61	P	4-Nitrophenol		----------NA----------				
62		Dibenzofuran		----------NA----------				
63		2,4-Dinitrotoluene		----------NA----------				
64		2,3,4,6-Tetrachlorophenol		----------NA----------				
65		Diethylphthalate		----------NA----------				
66		Fluorene		----------NA----------				
67		4-Chlorophenyl-phenylethe		----------NA----------				
68		4-Nitroaniline		----------NA----------				
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	11.54
70		1,2-Diphenylhydrazine		----------NA----------				
71		4,6-Dinitro-2-methylpheno		----------NA----------				
72		Diphenylamine		----------NA----------				
73		Atrazine		----------NA----------				
74	C	n-Nitrosodiphenylamine		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
75	S	2,4,6-Tribromophenol (SUR		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
76		4-Bromophenyl-phenylether		----------NA----------				
77		Hexachlorobenzene		----------NA----------				
78	C	Pentachlorophenol		----------NA----------				
79		n-Octadecane	0.775	0.758	2.2	116	-0.02	13.17
80		Phenanthrene		----------NA----------				
81		Anthracene		----------NA----------				
82		Carbazole		----------NA----------				
83		Pentachlorobenzene		----------NA----------				
84		Di-n-butylphthalate		----------NA----------				
85	C	Fluoranthene		----------NA----------				
86	I	Chrysene-d12	1.000	1.000	0.0	109	-0.01	16.84
87		Benzidine		----------NA----------				
88		Pyrene		----------NA----------				
89	S	Terphenyl-d14	0.978	0.010	99.0#	1#	-0.04	14.77
90		Butylbenzylphthalate		----------NA----------				
91		Benzo(a)anthracene		----------NA----------				
92		3,3'-Dichlorobenzidine		----------NA----------				
93		Chrysene		----------NA----------				
94		bis(2-Ethylhexyl)phthalat		----------NA----------				

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ602-ICV602
Lab FileID: J13041.D

```
 95 I   Perylene-d12                1.000   1.000      0.0  108  -0.01   19.52
 96 C   Di-n-octylphthalate                ----------NA----------
 97     Benzo(b)fluoranthene               ----------NA----------
 98     Benzo(k)fluoranthene               ----------NA----------
 99 C   Benzo(a)pyrene                     ----------NA----------
100     Indeno(1,2,3-cd)pyrene             ----------NA----------
101     Dibenz(a,h)anthracene              ----------NA----------
102     Benzo(g,h,i)perylene               ----------NA----------
 ---------------------------------------------------------------------------
 ---------------------------------------------------------------------------

    (#) = Out of Range              SPCC's out = 3  CCC's out = 0
     j13035.D   ej602c.m         Sat Sep 05 16:21:45 2009
```

7.7.8

7

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ615-ICC615
Lab FileID: J13340.D

Response Factor Report AGC-VOA-MSJ

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

Calibration Files
25 =j13337.D 50 =j13340.D 75 =j13341.D 100 =j13338.D
10 =j13336.D 5 =j13335.D 125 =j13339.D =

Compound	25	50	75	100	10	5	125	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) n-Nitrosodim	0.678	0.701	0.713	0.667	0.657	0.662	0.628	0.672	4.21
3) Pyridine	1.145	1.312	1.323	1.182	1.102	1.103	1.138	1.186	7.89
4) 2-Fluorophen	1.224	1.352	1.350	1.276	1.180	1.200	1.205	1.255	5.71
5) Phenol-d5 (S	1.593	1.755	1.739	1.494	1.468	1.508	1.425	1.569	8.42
6) Phenol	1.737	1.904	1.892	1.600	1.594	1.635	1.523	1.698	8.89
7) Aniline	1.729	1.930	1.841	1.723	1.540	1.496		1.710	9.83
8) bis(2-Chloro	1.694	1.749	1.827	1.566	1.620	1.637	1.558	1.664	5.91
9) 2-Chlorophen	1.308	1.403	1.387	1.332	1.247	1.257	1.284	1.317	4.63
10) 1,3-Dichloro	1.466	1.595	1.577	1.514	1.416	1.430	1.444	1.492	4.81
11) 1,4-Dichloro	1.572	1.697	1.668	1.634	1.510	1.562	1.561	1.601	4.19
12) Benzyl Alcoh	0.908	1.000	0.999	0.945	0.818	0.817	0.936	0.918	8.30
13) 1,2-Dichloro	1.459	1.622	1.611	1.565	1.380	1.367	1.506	1.501	6.94
14) 2-Methylphen	1.188	1.241	1.236	1.203	1.143	1.126	1.193	1.190	3.65
15) bis(2-chloro	2.192	2.163	2.165	1.964	2.223	2.155	1.890	2.108	6.04
16) 4-Methylphen	1.209	1.300	1.291	1.337	1.157	1.153	1.367	1.259	6.84
17) m+p-Cresols	1.209	1.300	1.291	1.337	1.157	1.153	1.367	1.259	6.84
18) n-Nitroso-di	1.132	1.182	1.185	1.151	1.105	1.076	1.164	1.142	3.53
19) Hexachloroet	0.571	0.626	0.618	0.609	0.542	0.543	0.578	0.584	5.94
20) I Naphthalene-d8	----------ISTD----------								
21) Nitrobenzene	0.412	0.446	0.447	0.423	0.397	0.403	0.407	0.419	4.85
22) Nitrobenzene	0.409	0.436	0.438	0.415	0.394	0.395	0.397	0.412	4.52
23) Isophorone	0.751	0.786	0.796	0.762	0.732	0.726	0.741	0.756	3.52
24) 2-Nitropheno	0.176	0.200	0.198	0.215	0.155	0.163	0.219	0.189	13.24
25) 2,4-Dimethyl	0.300	0.350	0.352	0.326	0.280	0.267	0.317	0.313	10.46
26) bis(2-Chloro	0.412	0.437	0.442	0.426	0.394	0.397	0.410	0.417	4.48
27) Benzoic Acid	0.140	0.194	0.177	0.188	0.087	0.104	0.199	0.156	29.33
---- Quadratic regression ---- Coefficient = 0.9968									
Response Ratio = -0.01531 + 0.17515 *A + 0.00874 *A^2									
28) 2,4-Dichloro	0.258	0.294	0.295	0.306	0.234	0.239	0.304	0.276	11.26
29) 1,2,4-Trichl	0.316	0.355	0.353	0.353	0.297	0.299	0.347	0.332	7.98
30) Naphthalene	1.052	1.167	1.171	1.129	0.996	1.011	1.100	1.089	6.55
31) 4-Chloroanil	0.310	0.409	0.407	0.400	0.310	0.303	0.401	0.363	14.27
---- Linear regression ---- Coefficient = 0.9982									
Response Ratio = -0.02549 + 0.41205 *A									
32) Hexachlorobu	0.199	0.220	0.222	0.223	0.189	0.188	0.215	0.208	7.47
33) 4-Chloro-3-m	0.292	0.332	0.340	0.342	0.264	0.269	0.340	0.311	11.26
34) 2-Methylnaph	0.640	0.719	0.716	0.702	0.597	0.598	0.687	0.666	8.06
35) 1-Methylnaph	0.667	0.753	0.748	0.735	0.627	0.628	0.722	0.697	7.95
36) I Acenaphthene-d10	----------ISTD----------								
37) Hexachlorocy	0.113	0.209	0.194	0.199	0.028	0.047	0.216	0.144	55.79
---- Quadratic regression ---- Coefficient = 0.9945									

```
                Response Ratio = -0.03402 + 0.20157 *A + 0.00717 *A^2

38) 2,4,6-Trichl 0.321 0.355 0.365 0.364 0.274 0.292 0.365       0.334  11.44
39) 2,4,5-Trichl 0.351 0.387 0.402 0.419 0.277 0.295 0.424       0.365  16.28
             ---- Linear regression ----  Coefficient =  0.9990
                Response Ratio = -0.04071 + 0.43274 *A

40) 2-Fluorobiph 1.525 1.667 1.697 1.651 1.363 1.387 1.617       1.558   8.76
41) 2-Chloronaph 1.095 1.182 1.197 1.162 1.006 1.035 1.147       1.118   6.66
42) 2-Nitroanili 0.382 0.398 0.408 0.371 0.349 0.361 0.361       0.376   5.71
43) Dimethylphth 1.332 1.405 1.445 1.335 1.296 1.279 1.310       1.343   4.49
44) Acenaphthyle 1.897 2.015 2.060 1.895 1.751 1.763 1.880       1.894   6.09
45) 2,6-Dinitrot 0.305 0.328 0.340 0.325 0.285 0.288 0.340       0.316   7.32
46) 3-Nitroanili 0.222 0.295 0.305 0.298 0.222 0.226 0.291       0.266  14.93
             ---- Quadratic regression ----  Coefficient =  0.9976
                Response Ratio = -0.02988 + 0.32934 *A + -0.00850 *A^2

47) Acenaphthene 1.099 1.176 1.196 1.136 1.032 1.027 1.125       1.113   5.88
48) 2,4-Dinitrop 0.058 0.104 0.119 0.122 0.005 0.014 0.130       0.079  67.07
             ---- Quadratic regression ----  Coefficient =  0.9975
                Response Ratio = -0.02255 + 0.10885 *A + 0.00924 *A^2

49) 4-Nitropheno 0.153 0.175 0.182 0.196 0.157 0.113 0.180       0.165  16.66
             ---- Quadratic regression ----  Coefficient =  0.9954
                Response Ratio = -0.01653 + 0.19999 *A + -0.00333 *A^2

50) Dibenzofuran 1.553 1.690 1.731 1.646 1.435 1.436 1.639       1.590   7.47
51) 2,4-Dinitrot 0.375 0.407 0.427 0.388 0.336 0.337 0.380       0.378   8.89
52) 2,3,4,6-Tetr 0.259 0.301 0.309 0.309 0.205 0.217 0.313       0.273  17.02
             ---- Quadratic regression ----  Coefficient =  0.9996
                Response Ratio = -0.02272 + 0.31365 *A + 0.00221 *A^2

53) Diethylphtha 1.364 1.467 1.523 1.414 1.308 1.279 1.402       1.394   6.14
54) Fluorene     1.328 1.476 1.542 1.479 1.210 1.206 1.457       1.386   9.90
55) 4-Chlorophen 0.637 0.712 0.749 0.762 0.586 0.578 0.770       0.685  12.14
             ---- Quadratic regression ----  Coefficient =  0.9997
                Response Ratio = -0.03593 + 0.72331 *A + 0.01949 *A^2

56) 4-Nitroanili 0.206 0.241 0.257 0.259 0.186 0.193 0.242       0.226  13.56
             ---- Quadratic regression ----  Coefficient =  0.9970
                Response Ratio = -0.02565 + 0.28335 *A + -0.00912 *A^2


57) I   Phenanthrene-d10      ----------------ISTD---------------------
58) 1,2-Diphenyl 0.970 1.046 1.028 1.115 0.941 0.952 1.068       1.017   6.39
59) 4,6-Dinitro- 0.098 0.128 0.136 0.138 0.056 0.060 0.141       0.108  34.49
             ---- Linear regression ----  Coefficient =  0.9987
                Response Ratio = -0.02146 + 0.14711 *A

60) Diphenylamin 0.711 0.788 0.777 0.800 0.673 0.692 0.799       0.749   7.30
61) n-Nitrosodip 0.711 0.788 0.777 0.800 0.673 0.692 0.799       0.749   7.30
62) 2,4,6-Tribro 0.120 0.142 0.145 0.164 0.100 0.104 0.167       0.135  20.17
             ---- Linear regression ----  Coefficient =  0.9946
                Response Ratio = -0.04777 + 0.17040 *A

63) 4-Bromopheny 0.239 0.265 0.265 0.273 0.227 0.229 0.269       0.253   7.91
64) Hexachlorobe 0.263 0.283 0.287 0.292 0.258 0.256 0.288       0.275   5.69
65) Pentachlorop 0.071 0.095 0.106 0.118             0.121       0.102  19.75
             ---- Quadratic regression ----  Coefficient =  0.9991
                Response Ratio = -0.02898 + 0.11149 *A + 0.00632 *A^2
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICC615
Lab FileID: J13340.D

```
66) Phenanthrene 1.143 1.240 1.269 1.263 1.099 1.092 1.237       1.192   6.54
67) Anthracene   1.095 1.191 1.243 1.218 1.045 1.041 1.200       1.147   7.41
68) Carbazole    0.837 0.954 1.016 0.974 0.855 0.865 0.966       0.924   7.59
69) Di-n-butylph 1.379 1.439 1.568 1.488 1.389 1.286 1.468       1.431   6.32
70) Fluoranthene 1.034 1.068 1.211 1.119 1.029 0.992 1.111       1.080   6.78

71) I   Chrysene-d12          ----------------ISTD---------------------
72) Benzidine    0.119 0.389 0.498       0.228 0.173             0.281  56.15
            ---- Quadratic regression ----  Coefficient =  0.9908
              Response Ratio = 0.00905 + 0.04030 *A + 0.24552 *A^2

73) Pyrene       1.473 1.686 1.394 1.390 1.294 1.302 1.327       1.409   9.72
74) Terphenyl-d1 0.968 1.117 0.977 0.989 0.845 0.836 0.953       0.955   9.98
75) Butylbenzylp 0.657 0.683 0.662 0.626 0.602 0.570 0.594       0.628   6.60
76) Benzo(a)anth 1.100 1.161 1.160 1.167 1.070 1.111 1.108       1.125   3.34
77) 3,3'-Dichlor 0.188 0.223 0.268 0.333 0.284 0.287 0.348       0.276  20.58
            ---- Quadratic regression ----  Coefficient =  0.9963
              Response Ratio = 0.01656 + 0.13876 *A + 0.06756 *A^2

78) Chrysene     0.959 0.996 1.002 0.939 0.933 0.939 0.873       0.949   4.56
79) bis(2-Ethylh 0.882 0.830 0.894 0.860 0.856 0.767 0.815       0.843   5.13

80) I   Perylene-d12          ----------------ISTD---------------------
81) Di-n-octylph 1.888 1.943 2.022 2.213 1.528 1.539 2.278       1.916  15.44
            ---- Linear regression ----  Coefficient =  0.9959
              Response Ratio = -0.25570 + 2.29892 *A

82) Benzo(b)fluo 1.227 1.357 1.411 1.488 1.111 1.201 1.458       1.322  10.85
83) Benzo(k)fluo 1.212 1.306 1.258 1.224 1.113 1.128 1.211       1.207   5.63
84) Benzo(a)pyre 1.074 1.173 1.200 1.230 0.994 1.027 1.202       1.129   8.42
85) Indeno(1,2,3 0.962 1.053 1.093 0.949 0.924 0.863 0.819       0.952  10.22
86) Dibenz(a,h)a 0.782 0.868 0.912 0.818 0.745 0.693 0.712       0.790  10.23
87) Benzo(g,h,i) 0.759 0.814 0.814 0.663 0.753 0.686 0.544       0.719  13.38
-------------------------------------------------------------------------------
(#) = Out of Range

          ej615mg.m         Wed Sep 23 15:17:07 2009
```

7.7.9

7

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ615-ICV615
Lab FileID: J13342.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej615\j13342.D Vial: 11
Acq On : 23 Sep 2009 3:21 pm Operator: sheilac
Sample : icv615-50 Inst : AGC-VOA-MSJ
Misc : op12949,Ej615,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Wed Sep 23 15:14:24 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	4.88
2		n-Nitrosodimethylamine	0.672	0.742	-10.4	88	0.01	2.65
3		Pyridine	1.186	1.220	-2.9	77	0.02	2.64
4	S	2-Fluorophenol (SURR)		----------NA----------				
5	S	Phenol-d5 (SURR)		----------NA----------				
6	C	Phenol	1.698	1.634	3.8	71	0.02	4.69
7		Aniline	1.710	1.148	32.9	49	0.00	4.63
8		bis(2-Chloroethyl)ether	1.664	1.506	9.5	71	0.00	4.67
9		2-Chlorophenol	1.317	1.288	2.2	76	0.00	4.75
10		1,3-Dichlorobenzene	1.492	1.433	4.0	74	0.00	4.84
11	C	1,4-Dichlorobenzene	1.601	1.501	6.2	73	0.00	4.90
12		Benzyl Alcohol	0.918	0.917	0.1	76	0.00	5.03
13		1,2-Dichlorobenzene	1.501	1.450	3.4	74	0.00	5.03
14		2-Methylphenol	1.190	1.167	1.9	78	0.01	5.17
15		bis(2-chloroisopropyl)eth	2.108	2.030	3.7	78	0.00	5.13
16		4-Methylphenol	1.259	1.244	11.9	80	0.00	5.30
17		m+p-Cresols	1.259	1.244	11.9	80	0.00	5.30
18	P	n-Nitroso-di-n-propylamin	1.142	1.065	6.7	75	-0.01	5.26
19		Hexachloroethane	0.584	0.566	3.1	75	0.00	5.33
20	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	6.12
21	S	Nitrobenzene-d5 (SURR)		----------NA----------				
22		Nitrobenzene	0.412	0.385	6.6	73	-0.01	5.40
23		Isophorone	0.756	0.715	5.4	75	0.00	5.64
24	C	2-Nitrophenol	0.189	0.178	5.8	73	0.00	5.72
25		2,4-Dimethylphenol	0.313	0.279	10.9	66	0.00	5.79
26		bis(2-Chloroethoxy)methan	0.417	0.395	5.3	75	-0.01	5.85
		----------	Amount	Calc.	%Drift		----------	
27		Benzoic Acid	50.000	45.345	9.3	66	-0.03	5.98
		----------	AvgRF	CCRF	%Dev		----------	
28	C	2,4-Dichlorophenol	0.276	0.261	5.4	73	0.00	6.01
29		1,2,4-Trichlorobenzene	0.332	0.300	9.6	70	0.00	6.06
30		Naphthalene	1.089	1.049	3.7	74	0.00	6.15
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	50.000	23.422	53.2	35	0.00	6.22
		----------	AvgRF	CCRF	%Dev		----------	
32	C	Hexachlorobutadiene	0.208	0.196	5.8	73	0.00	6.29
33	C	4-Chloro-3-methylphenol	0.311	0.295	5.1	73	0.00	6.86

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICV615
Lab FileID: J13342.D

34		2-Methylnaphthalene	0.666	0.662	0.6	76	0.00	7.00
35		1-Methylnaphthalene	0.697	0.647	7.2	71	0.00	7.14
36	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00	8.62
		----------	Amount	Calc.	%Drift		----------	
37	P	Hexachlorocyclopentadiene	50.000	43.143	13.7	56	0.00	7.24
		----------	AvgRF	CCRF	%Dev		----------	
38	C	2,4,6-Trichlorophenol	0.334	0.341	-2.1	73	0.00	7.44
		----------	Amount	Calc.	%Drift		----------	
39		2,4,5-Trichlorophenol	50.000	42.862	14.3	66	0.00	7.53
		----------	AvgRF	CCRF	%Dev		----------	
40	S	2-Fluorobiphenyl (SURR)		----------NA----------				
41		2-Chloronaphthalene	1.118	1.121	-0.3	72	0.00	7.71
42		2-Nitroaniline	0.376	0.387	-2.9	74	-0.01	7.90
43		Dimethylphthalate	1.343	1.350	-0.5	73	-0.02	8.22
44		Acenaphthylene	1.894	1.937	-2.3	73	-0.01	8.38
45		2,6-Dinitrotoluene	0.316	0.305	3.5	71	-0.02	8.30
		----------	Amount	Calc.	%Drift		----------	
46		3-Nitroaniline	50.000	39.803	20.4	60	-0.02	8.60
		----------	AvgRF	CCRF	%Dev		----------	
47	C	Acenaphthene	1.113	1.097	1.4	71	-0.01	8.68
		----------	Amount	Calc.	%Drift		----------	
48	P	2,4-Dinitrophenol	50.000	39.851	20.3	55	-0.01	8.79
49	P	4-Nitrophenol	50.000	45.272	9.5	71	0.00	9.10
		----------	AvgRF	CCRF	%Dev		----------	
50		Dibenzofuran	1.590	1.568	1.4	70	-0.01	8.99
51		2,4-Dinitrotoluene	0.378	0.377	0.3	70	-0.02	9.01
		----------	Amount	Calc.	%Drift		----------	
52		2,3,4,6-Tetrachlorophenol	50.000	45.114	9.8	67	0.00	9.26
		----------	AvgRF	CCRF	%Dev		----------	
53		Diethylphthalate	1.394	1.374	1.4	71	-0.02	9.47
54		Fluorene	1.386	1.330	4.0	68	-0.01	9.61
		----------	Amount	Calc.	%Drift		----------	
55		4-Chlorophenyl-phenylethe	50.000	45.072	9.9	68	-0.01	9.63
56		4-Nitroaniline	50.000	38.482	23.0	60	-0.04	9.71
		----------	AvgRF	CCRF	%Dev		----------	
57	I	Phenanthrene-d10	1.000	1.000	0.0	74	0.00	11.43
58		1,2-Diphenylhydrazine	1.017	0.993	2.4	71	-0.01	9.93
		----------	Amount	Calc.	%Drift		----------	
59		4,6-Dinitro-2-methylpheno	50.000	44.289	11.4	66	-0.03	9.78
		----------	AvgRF	CCRF	%Dev		----------	
60		Diphenylamine	0.749	0.609	18.7	58	-0.02	9.87
61	C	n-Nitrosodiphenylamine	0.749	0.609	18.7	58	-0.02	9.87
		----------	Amount	Calc.	%Drift		----------	

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ615-ICV615
Lab FileID: J13342.D

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62 S   2,4,6-Tribromophenol (SUR          ----------NA----------

           ----------------------- AvgRF   CCRF      %Dev   --------------
63     4-Bromophenyl-phenylether   0.253   0.245      3.2   69  -0.01   10.56
64     Hexachlorobenzene           0.275   0.269      2.2   71  -0.02   10.69

           ----------------------- Amount  Calc.    %Drift   -------------
65 C   Pentachlorophenol          50.000  47.078      5.8   70   0.00   11.13

           ----------------------- AvgRF   CCRF      %Dev   --------------
66     Phenanthrene                1.192   1.157      2.9   70  -0.01   11.47
67     Anthracene                  1.147   1.122      2.2   70  -0.01   11.58
68     Carbazole                   0.924   0.812     12.1   63   0.00   11.95
69     Di-n-butylphthalate         1.431   1.445     -1.0   75   0.00   12.76
70 C   Fluoranthene                1.080   1.154     -6.9   80  -0.01   13.92

71 I   Chrysene-d12                1.000   1.000      0.0  106  -0.01   16.95

           ----------------------- Amount  Calc.    %Drift   -------------
72     Benzidine                          ----------NA----------

           ----------------------- AvgRF   CCRF      %Dev   --------------
73     Pyrene                      1.409   1.259     10.6   79  -0.01   14.38
74 S   Terphenyl-d14                      ----------NA----------
75     Butylbenzylphthalate        0.628   0.613      2.4   95  -0.01   15.88
76     Benzo(a)anthracene          1.125   1.092      2.9   99   0.00   16.93

           ----------------------- Amount  Calc.    %Drift   -------------
77     3,3'-Dichlorobenzidine     50.000  52.996     -6.0  121  -0.01   16.92

           ----------------------- AvgRF   CCRF      %Dev   --------------
78     Chrysene                    0.949   0.933      1.7   99  -0.02   17.00
79     bis(2-Ethylhexyl)phthalat   0.843   0.805      4.5  102   0.00   17.14

80 I   Perylene-d12                1.000   1.000      0.0  126   0.00   19.75

           ----------------------- Amount  Calc.    %Drift   -------------
81 C   Di-n-octylphthalate        50.000  41.480     17.0  111  -0.01   18.43

           ----------------------- AvgRF   CCRF      %Dev   --------------
82     Benzo(b)fluoranthene        1.322   1.255      5.1  117  -0.01   19.06
83     Benzo(k)fluoranthene        1.207   1.200      0.6  116  -0.01   19.11
84 C   Benzo(a)pyrene              1.129   0.977     13.5  105  -0.01   19.65
85     Indeno(1,2,3-cd)pyrene      0.952   1.080    -13.4  130  -0.01   21.93
86     Dibenz(a,h)anthracene       0.790   0.893    -13.0  130  -0.02   21.96
87     Benzo(g,h,i)perylene        0.719   0.834    -16.0  130  -0.01   22.55
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------


    j13340.D   ej615mg.m        Wed Sep 23 16:53:38 2009
```

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ629-ICC629
Lab FileID: J13689.D

Response Factor Report AGC-VOA-MSJ

```
Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration

Calibration Files
25  =j13693.D    40  =j13690.D    50  =j13689.D    75  =j13691.D
100 =j13694.D        =                =
```

Compound	25	40	50	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------	----------	ISTD	----------	----------		
2) Pyridine						0.000	-1.00
3)S 2-Fluorophenol (S	1.436	1.530	1.520	1.562	1.650	1.540	5.01
4) Benzenethiol	1.520	1.561	1.515	1.496	1.611	1.540	2.98
5)S Phenol-d5 (SURR)	1.796	1.920	1.932	2.003	2.144	1.959	6.50
6)C Phenol						0.000	-1.00
7) 1,3-Dichlorobenze						0.000	-1.00
8)C 1,4-Dichlorobenze						0.000	-1.00
9) 1,2-Dichlorobenze						0.000	-1.00
10) Indene						0.000	-1.00
11) 2-Methylphenol						0.000	-1.00
12) 4-Methylphenol						0.000	-1.00
13) m+p-Cresols						0.000	-1.00
14) I Naphthalene-d8	----------	----------	ISTD	----------	----------		
15)S Nitrobenzene-d5 (	0.470	0.495	0.495	0.504	0.525	0.498	3.99
16) 2,4-Dimethylpheno						0.000	-1.00
17) Naphthalene						0.000	-1.00
18) Quinoline						0.000	-1.00
19) Resorcinol	0.254	0.280	0.290	0.293	0.322	0.288	8.50
---- Linear regression ---- Coefficient = 0.9951							
Response Ratio = -0.03902 + 0.32709 *A							
20) 1-Methylnaphthale						0.000	-1.00
21) I Acenaphthene-d10	----------	----------	ISTD	----------	----------		
22)S 2-Fluorobiphenyl	1.506	1.619	1.635	1.664	1.776	1.640	5.90
23) Dimethylphthalate						0.000	-1.00
24)P 2,4-Dinitrophenol						0.000	-1.00
25)P 4-Nitrophenol						0.000	-1.00
26) Diethylphthalate						0.000	-1.00
27) I Phenanthrene-d10	----------	----------	ISTD	----------	----------		
28)S 2,4,6-Tribromophe	0.112	0.127	0.136	0.141	0.163	0.136	13.76
29) Phenanthrene						0.000	-1.00
30) Anthracene						0.000	-1.00
31) Di-n-butylphthala						0.000	-1.00
32)C Fluoranthene						0.000	-1.00
33) I Chrysene-d12	----------	----------	ISTD	----------	----------		
34) Pyrene						0.000	-1.00
35)S Terphenyl-d14	1.092	1.231	1.246	1.183	1.382	1.227	8.62
36) Butylbenzylphthal						0.000	-1.00
37) Benzo(a)anthracen						0.000	-1.00
38) Chrysene						0.000	-1.00
39) bis(2-Ethylhexyl)						0.000	-1.00

Initial Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-ICC629
Lab FileID: J13689.D

```
40) I   Perylene-d12          ----------------ISTD---------------------
41)  Methyl Chrysene                                          0.000  -1.00
42)C Di-n-octylphthala                                        0.000  -1.00
43)  7,12-Dimethylbenz                                        0.000  -1.00
44)  Benzo(b)fluoranth                                        0.000  -1.00
45)  Benzo(k)fluoranth                                        0.000  -1.00
46)C Benzo(a)pyrene                                           0.000  -1.00
47)  Dibenz(a,h)acridi                                        0.000  -1.00
48)  Dibenz(a,h)anthra                                        0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          ej629ben+res.m        Thu Oct 08 14:52:12 2009
```

7.7.11

7

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ629-ICV629
Lab FileID: J13695.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej629\j13695.D            Vial: 9
Acq On    :  8 Oct 2009   2:26 pm                   Operator: sheilac
Sample    : icv629-50,(Bzth+Resor)                  Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej629,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:50:46 2009
Response via : Single Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	4.73
2		Pyridine		----------NA----------				
3	S	2-Fluorophenol (SURR)		----------NA----------				
4		Benzenethiol	1.540	1.465	4.9	88	0.00	4.40
5	S	Phenol-d5 (SURR)		----------NA----------				
6	C	Phenol		----------NA----------				
7		1,3-Dichlorobenzene		----------NA----------				
8	C	1,4-Dichlorobenzene		----------NA----------				
9		1,2-Dichlorobenzene		----------NA----------				
10		Indene		----------NA----------				
11		2-Methylphenol		----------NA----------				
12		4-Methylphenol		----------NA----------				
13		m+p-Cresols		----------NA----------				
14	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00	5.94
15	S	Nitrobenzene-d5 (SURR)		----------NA----------				
16		2,4-Dimethylphenol		----------NA----------				
17		Naphthalene		----------NA----------				
18		Quinoline		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
19		Resorcinol	50.000	47.270	5.5	87	-0.01	6.59
		----------	AvgRF	CCRF	%Dev		----------	
20		1-Methylnaphthalene		----------NA----------				
21	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00	8.41
22	S	2-Fluorobiphenyl (SURR)		----------NA----------				
23		Dimethylphthalate		----------NA----------				
24	P	2,4-Dinitrophenol		----------NA----------				
25	P	4-Nitrophenol		----------NA----------				
26		Diethylphthalate		----------NA----------				
27	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	11.19
28	S	2,4,6-Tribromophenol (SUR		----------NA----------				
29		Phenanthrene		----------NA----------				
30		Anthracene		----------NA----------				
31		Di-n-butylphthalate		----------NA----------				
32	C	Fluoranthene		----------NA----------				
33	I	Chrysene-d12	1.000	1.000	0.0	72	0.00	16.71
34		Pyrene		----------NA----------				

Initial Calibration Verification

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ629-ICV629
Lab FileID: J13695.D

35	S	Terphenyl-d14		----------NA----------				
36		Butylbenzylphthalate		----------NA----------				
37		Benzo(a)anthracene		----------NA----------				
38		Chrysene		----------NA----------				
39		bis(2-Ethylhexyl)phthalat		----------NA----------				
40	I	Perylene-d12	1.000	1.000	0.0	85	0.00	19.51
41		Methyl Chrysene		----------NA----------				
42	C	Di-n-octylphthalate		----------NA----------				
43		7,12-Dimethylbenz(a)anthr		----------NA----------				
44		Benzo(b)fluoranthene		----------NA----------				
45		Benzo(k)fluoranthene		----------NA----------				
46	C	Benzo(a)pyrene		----------NA----------				
47		Dibenz(a,h)acridine		----------NA----------				
48		Dibenz(a,h)anthracene		----------NA----------				

j13689.D ej629ben+res.m Thu Oct 08 14:53:03 2009

7.7.12

7

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ630-CC615
Lab FileID: J13703.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej630\j13703.D Vial: 2
Acq On : 8 Oct 2009 6:44 pm Operator: sheilac
Sample : cc615-50 Inst : AGC-VOA-MSJ
Misc : op12949,Ej630,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Fri Oct 09 09:24:30 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	155	0.01	4.74
2		n-Nitrosodimethylamine	0.672	0.682	-1.5	151	0.03	2.48
3		Pyridine	1.186	1.250	-5.4	148	0.03	2.46
4	S	2-Fluorophenol (SURR)	1.255	1.333	-6.2	153	0.04	3.72
5	S	Phenol-d5 (SURR)	1.569	1.775	-13.1	157	0.02	4.52
6	C	Phenol	1.698	1.936	-14.0	158	0.00	4.53
		----------	Amount	Calc.	%Drift		----------	
7		Aniline	50.000	54.757	-9.5	166	0.04	4.49
		----------	AvgRF	CCRF	%Dev		----------	
8		bis(2-Chloroethyl)ether	1.664	1.427	14.2	126	0.00	4.53
9		2-Chlorophenol	1.317	1.305	0.9	144	0.00	4.59
10		1,3-Dichlorobenzene	1.492	1.471	1.4	143	0.01	4.69
11	C	1,4-Dichlorobenzene	1.601	1.631	-1.9	149	0.01	4.75
12		Benzyl Alcohol	0.918	0.901	1.9	140	0.02	4.89
13		1,2-Dichlorobenzene	1.501	1.512	-0.7	145	0.00	4.88
14		2-Methylphenol	1.190	1.174	1.3	147	0.00	5.00
15		bis(2-chloroisopropyl)eth	2.108	1.885	10.6	135	0.01	4.98
16		4-Methylphenol	1.259	1.199	4.8	143	0.01	5.14
17		m+p-Cresols	1.259	1.199	4.8	143	0.01	5.14
18	P	n-Nitroso-di-n-propylamin	1.142	1.016	11.0	133	0.00	5.12
19		Hexachloroethane	0.584	0.589	-0.9	146	0.01	5.18
20	I	Naphthalene-d8	1.000	1.000	0.0	137	0.01	5.96
21	S	Nitrobenzene-d5 (SURR)	0.419	0.452	-7.9	139	-0.06	5.24
22		Nitrobenzene	0.412	0.443	-7.5	139	-0.05	5.26
23		Isophorone	0.756	0.709	6.2	124	-0.06	5.49
24	C	2-Nitrophenol	0.189	0.200	-5.8	137	-0.05	5.56
25		2,4-Dimethylphenol	0.313	0.330	-5.4	130	-0.06	5.64
26		bis(2-Chloroethoxy)methan	0.417	0.427	-2.4	134	-0.05	5.70
		----------	Amount	Calc.	%Drift		----------	
27		Benzoic Acid	50.000	75.624	-51.2#	167	-0.02	5.87
		----------	AvgRF	CCRF	%Dev		----------	
28	C	2,4-Dichlorophenol	0.276	0.300	-8.7	140	-0.06	5.84
29		1,2,4-Trichlorobenzene	0.332	0.345	-3.9	133	-0.06	5.89
30		Naphthalene	1.089	1.147	-5.3	135	-0.06	5.98
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	50.000	52.726	-5.5	140	-0.06	6.05

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ630-CC615
Lab FileID: J13703.D

			AvgRF	CCRF	%Dev			
32	C	Hexachlorobutadiene	0.208	0.231	-11.1	144	-0.05	6.12
33	C	4-Chloro-3-methylphenol	0.311	0.309	0.6	128	-0.05	6.68
34		2-Methylnaphthalene	0.666	0.662	0.6	126	0.00	6.82
35		1-Methylnaphthalene	0.697	0.690	1.0	126	0.00	6.96
36	I	Acenaphthene-d10	1.000	1.000	0.0	126	0.01	8.43
			Amount	Calc.	%Drift			
37	P	Hexachlorocyclopentadiene	50.000	61.760	-23.5	138	0.01	7.05
			AvgRF	CCRF	%Dev			
38	C	2,4,6-Trichlorophenol	0.334	0.347	-3.9	123	0.01	7.26
			Amount	Calc.	%Drift			
39		2,4,5-Trichlorophenol	50.000	46.108	7.8	119	0.00	7.33
			AvgRF	CCRF	%Dev			
40	S	2-Fluorobiphenyl (SURR)	1.558	1.616	-3.7	122	-0.19	7.36
41		2-Chloronaphthalene	1.118	1.160	-3.8	123	-0.19	7.53
42		2-Nitroaniline	0.376	0.385	-2.4	122	-0.20	7.72
43		Dimethylphthalate	1.343	1.214	9.6	109	0.00	8.05
44		Acenaphthylene	1.894	1.849	2.4	115	-0.21	8.19
45		2,6-Dinitrotoluene	0.316	0.287	9.2	110	0.00	8.13
			Amount	Calc.	%Drift			
46		3-Nitroaniline	50.000	50.801	-1.6	128	-0.20	8.42
			AvgRF	CCRF	%Dev			
47	C	Acenaphthene	1.113	1.095	1.6	117	-0.20	8.49
			Amount	Calc.	%Drift			
48	P	2,4-Dinitrophenol	50.000	54.843	-9.7	139	-0.19	8.60
49	P	4-Nitrophenol	50.000	37.062	25.9#	95	0.00	8.87
			AvgRF	CCRF	%Dev			
50		Dibenzofuran	1.590	1.538	3.3	115	-0.21	8.79
51		2,4-Dinitrotoluene	0.378	0.329	13.0	102	0.00	8.83
			Amount	Calc.	%Drift			
52		2,3,4,6-Tetrachlorophenol	50.000	45.269	9.5	112	-0.21	9.06
			AvgRF	CCRF	%Dev			
53		Diethylphthalate	1.394	1.228	11.9	105	-0.12	9.30
54		Fluorene	1.386	1.298	6.3	111	0.00	9.41
			Amount	Calc.	%Drift			
55		4-Chlorophenyl-phenylethe	50.000	44.915	10.2	113	-0.21	9.43
			AvgRF	CCRF	%Dev			
56		4-Nitroaniline	0.226	0.213	5.8	111	-0.21	9.54
57	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	11.21
58		1,2-Diphenylhydrazine	1.017	1.002	1.5	109	-0.07	9.74
			Amount	Calc.	%Drift			
59		4,6-Dinitro-2-methylpheno	50.000	48.680	2.6	112	-0.07	9.60
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ630-CC615
Lab FileID: J13703.D

60		Diphenylamine	0.749	0.774	-3.3	111	-0.08	9.68
61	C	n-Nitrosodiphenylamine	0.749	0.774	-3.3	111	-0.08	9.68
62	S	2,4,6-Tribromophenol (SUR	0.135	0.140	-3.7	112	-0.08	9.88
63		4-Bromophenyl-phenylether	0.253	0.258	-2.0	110	-0.07	10.36
64		Hexachlorobenzene	0.275	0.265	3.6	106	0.00	10.48
		----------	Amount	Calc.	%Drift		----------	
65	C	Pentachlorophenol	50.000	45.524	9.0	101	0.01	10.91
		----------	AvgRF	CCRF	%Dev		----------	
66		Phenanthrene	1.192	1.156	3.0	106	0.00	11.26
67		Anthracene	1.147	1.120	2.4	106	-0.07	11.36
68		Carbazole	0.924	0.866	6.3	103	-0.06	11.74
69		Di-n-butylphthalate	1.431	1.274	11.0	100	-0.03	12.56
70	C	Fluoranthene	1.080	0.935	13.4	99	0.00	13.70
71	I	Chrysene-d12	1.000	1.000	0.0	129	0.00	16.74
		----------	Amount	Calc.	%Drift		----------	
72		Benzidine	50.000	57.116	-14.2	150	-0.03	14.05
		----------	AvgRF	CCRF	%Dev		----------	
73		Pyrene	1.409	1.291	8.4	99	-0.04	14.16
74	S	Terphenyl-d14	0.955	0.890	6.8	103	-0.02	14.57
75		Butylbenzylphthalate	0.628	0.566	9.9	107	0.00	15.67
76		Benzo(a)anthracene	1.125	1.093	2.8	121	0.00	16.71
77		3,3'-Dichlorobenzidine	0.276	0.304	-10.1	176	0.01	16.72
78		Chrysene	0.949	0.934	1.6	121	0.00	16.79
79		bis(2-Ethylhexyl)phthalat	0.843	0.746	11.5	116	0.00	16.95
80	I	Perylene-d12	1.000	1.000	0.0	129	0.00	19.53
81	C	Di-n-octylphthalate	1.916	1.916	0.0	127	0.00	18.24
82		Benzo(b)fluoranthene	1.322	1.330	-0.6	126	0.00	18.85
83		Benzo(k)fluoranthene	1.207	1.306	-8.2	129	0.00	18.90
84	C	Benzo(a)pyrene	1.129	1.150	-1.9	126	0.10	19.43
85		Indeno(1,2,3-cd)pyrene	0.952	1.013	-6.4	124	0.01	21.63
86		Dibenz(a,h)anthracene	0.790	0.845	-7.0	125	0.00	21.66
87		Benzo(g,h,i)perylene	0.719	0.759	-5.6	120	0.00	22.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
j13340.D ej615mg.m Fri Oct 09 09:45:02 2009

7.7.13

7

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ630-CC629
Lab FileID: J13704.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej630\j13704.D            Vial: 3
Acq On    :  8 Oct 2009   7:21 pm                   Operator: sheilac
Sample    : cc629-50,(Bzth+Resor)                   Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej630,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:53:20 2009
Response via : Single Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00	4.73
2		Pyridine		----------NA----------				
3	S	2-Fluorophenol (SURR)	1.540	1.531	0.6	137	0.00	3.72
4		Benzenethiol	1.540	1.576	-2.3	141	0.00	4.41
5	S	Phenol-d5 (SURR)	1.959	1.966	-0.4	138	0.00	4.51
6	C	Phenol		----------NA----------				
7		1,3-Dichlorobenzene		----------NA----------				
8	C	1,4-Dichlorobenzene		----------NA----------				
9		1,2-Dichlorobenzene		----------NA----------				
10		Indene	0.000	0.039	0.0	0#	-0.19	4.73
11		2-Methylphenol		----------NA----------				
12		4-Methylphenol		----------NA----------				
13		m+p-Cresols		----------NA----------				
14	I	Naphthalene-d8	1.000	1.000	0.0	135	0.01	5.95
15	S	Nitrobenzene-d5 (SURR)	0.498	0.496	0.4	135	0.00	5.23
16		2,4-Dimethylphenol		----------NA----------				
17		Naphthalene		----------NA----------				
18		Quinoline		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
19		Resorcinol	50.000	47.900	4.2	131	0.00	6.59
		----------	AvgRF	CCRF	%Dev		----------	
20		1-Methylnaphthalene		----------NA----------				
21	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.01	8.42
22	S	2-Fluorobiphenyl (SURR)	1.640	1.673	-2.0	132	0.00	7.35
23		Dimethylphthalate		----------NA----------				
24	P	2,4-Dinitrophenol		----------NA----------				
25	P	4-Nitrophenol		----------NA----------				
26		Diethylphthalate		----------NA----------				
27	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.01	11.20
28	S	2,4,6-Tribromophenol (SUR	0.136	0.136	0.0	124	0.00	9.87
29		Phenanthrene		----------NA----------				
30		Anthracene		----------NA----------				
31		Di-n-butylphthalate		----------NA----------				
32	C	Fluoranthene		----------NA----------				
33	I	Chrysene-d12	1.000	1.000	0.0	106	0.01	16.72
34		Pyrene		----------NA----------				

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ630-CC629
Lab FileID: J13704.D

35	S	Terphenyl-d14	1.227	1.299	-5.9	110	0.00	14.57
36		Butylbenzylphthalate	----------NA----------					
37		Benzo(a)anthracene	----------NA----------					
38		Chrysene	----------NA----------					
39		bis(2-Ethylhexyl)phthalat	----------NA----------					
40	I	Perylene-d12	1.000	1.000	0.0	116	0.01	19.53
41		Methyl Chrysene	----------NA----------					
42	C	Di-n-octylphthalate	----------NA----------					
43		7,12-Dimethylbenz(a)anthr	----------NA----------					
44		Benzo(b)fluoranthene	----------NA----------					
45		Benzo(k)fluoranthene	----------NA----------					
46	C	Benzo(a)pyrene	----------NA----------					
47		Dibenz(a,h)acridine	----------NA----------					
48		Dibenz(a,h)anthracene	----------NA----------					

j13689.D ej629ben+res.m Fri Oct 09 15:06:44 2009

7.7.14

7

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ631-CC615
Lab FileID: J13726.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ej631\j13726.D Vial: 2
Acq On : 9 Oct 2009 9:27 am Operator: sheilac
Sample : cc615-50 Inst : AGC-VOA-MSJ
Misc : op12949,Ej631,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\ej615mg.m (RTE Integrator)
Title :
Last Update : Fri Oct 09 16:33:16 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	4.73
2		n-Nitrosodimethylamine	0.672	0.702	-4.5	96	0.00	2.46
3		Pyridine	1.186	1.296	-9.3	95	0.00	2.44
4	S	2-Fluorophenol (SURR)	1.255	1.298	-3.4	92	0.03	3.71
5	S	Phenol-d5 (SURR)	1.569	1.753	-11.7	96	0.00	4.51
6	C	Phenol	1.698	1.891	-11.4	96	0.00	4.52
		----------	Amount	Calc.	%Drift		----------	
7		Aniline	50.000	53.453	-6.9	101	0.03	4.49
		----------	AvgRF	CCRF	%Dev		----------	
8		bis(2-Chloroethyl)ether	1.664	1.510	9.3	83	0.00	4.53
9		2-Chlorophenol	1.317	1.311	0.5	90	0.00	4.58
10		1,3-Dichlorobenzene	1.492	1.476	1.1	89	0.00	4.68
11	C	1,4-Dichlorobenzene	1.601	1.605	-0.2	91	0.00	4.75
12		Benzyl Alcohol	0.918	0.873	4.9	84	0.00	4.88
13		1,2-Dichlorobenzene	1.501	1.504	-0.2	89	0.00	4.88
14		2-Methylphenol	1.190	1.196	-0.5	93	0.00	4.99
15		bis(2-chloroisopropyl)eth	2.108	2.094	0.7	93	0.01	4.98
16		4-Methylphenol	1.259	1.234	2.0	91	0.00	5.14
17		m+p-Cresols	1.259	1.234	2.0	91	0.00	5.14
18	P	n-Nitroso-di-n-propylamin	1.142	1.116	2.3	91	-0.01	5.11
19		Hexachloroethane	0.584	0.586	-0.3	90	0.00	5.17
20	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	5.95
21	S	Nitrobenzene-d5 (SURR)	0.419	0.444	-6.0	91	-0.07	5.23
22		Nitrobenzene	0.412	0.438	-6.3	92	-0.07	5.25
23		Isophorone	0.756	0.758	-0.3	88	-0.06	5.49
24	C	2-Nitrophenol	0.189	0.190	-0.5	87	-0.06	5.55
25		2,4-Dimethylphenol	0.313	0.325	-3.8	85	-0.06	5.63
26		bis(2-Chloroethoxy)methan	0.417	0.428	-2.6	90	-0.06	5.69
		----------	Amount	Calc.	%Drift		----------	
27		Benzoic Acid	50.000	60.774	-21.5	103	-0.06	5.83
		----------	AvgRF	CCRF	%Dev		----------	
28	C	2,4-Dichlorophenol	0.276	0.287	-4.0	90	-0.06	5.83
29		1,2,4-Trichlorobenzene	0.332	0.338	-1.8	87	-0.06	5.89
30		Naphthalene	1.089	1.132	-3.9	89	-0.06	5.97
		----------	Amount	Calc.	%Drift		----------	
31		4-Chloroaniline	50.000	51.778	-3.6	92	-0.06	6.04

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-CC615
Lab FileID: J13726.D

			AvgRF	CCRF	%Dev			
32	C	Hexachlorobutadiene	0.208	0.220	-5.8	91	-0.06	6.12
33	C	4-Chloro-3-methylphenol	0.311	0.315	-1.3	87	-0.06	6.68
34		2-Methylnaphthalene	0.666	0.682	-2.4	87	0.00	6.82
35		1-Methylnaphthalene	0.697	0.714	-2.4	87	0.00	6.96
36	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.01	8.43
			Amount	Calc.	%Drift			
37	P	Hexachlorocyclopentadiene	50.000	41.327	17.3	60	0.00	7.05
			AvgRF	CCRF	%Dev			
38	C	2,4,6-Trichlorophenol	0.334	0.325	2.7	84	0.00	7.25
			Amount	Calc.	%Drift			
39		2,4,5-Trichlorophenol	50.000	43.633	12.7	82	0.00	7.33
40	S	2-Fluorobiphenyl (SURR)	50.000	49.519	1.0	85	-0.19	7.36
			AvgRF	CCRF	%Dev			
41		2-Chloronaphthalene	1.118	1.114	0.4	86	-0.20	7.52
42		2-Nitroaniline	0.376	0.392	-4.3	90	-0.20	7.72
43		Dimethylphthalate	1.343	1.295	3.6	84	-0.01	8.04
44		Acenaphthylene	1.894	1.847	2.5	84	-0.21	8.19
45		2,6-Dinitrotoluene	0.316	0.299	5.4	84	0.00	8.12
			Amount	Calc.	%Drift			
46		3-Nitroaniline	50.000	51.040	-2.1	94	-0.20	8.42
			AvgRF	CCRF	%Dev			
47	C	Acenaphthene	1.113	1.105	0.7	86	-0.21	8.49
			Amount	Calc.	%Drift			
48	P	2,4-Dinitrophenol	50.000	55.771	-11.5	104	-0.19	8.60
49	P	4-Nitrophenol	50.000	40.645	18.7	77	0.00	8.87
			AvgRF	CCRF	%Dev			
50		Dibenzofuran	1.590	1.559	1.9	84	-0.21	8.79
51		2,4-Dinitrotoluene	0.378	0.363	4.0	82	0.00	8.83
			Amount	Calc.	%Drift			
52		2,3,4,6-Tetrachlorophenol	50.000	45.277	9.4	82	-0.21	9.05
			AvgRF	CCRF	%Dev			
53		Diethylphthalate	1.394	1.358	2.6	85	0.04	9.29
54		Fluorene	1.386	1.359	1.9	84	0.00	9.41
			Amount	Calc.	%Drift			
55		4-Chlorophenyl-phenylethe	50.000	46.173	7.7	85	-0.21	9.43
			AvgRF	CCRF	%Dev			
56		4-Nitroaniline	0.226	0.235	-4.0	89	-0.21	9.54
57	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00	11.21
58		1,2-Diphenylhydrazine	1.017	0.972	4.4	85	-0.07	9.74
			Amount	Calc.	%Drift			
59		4,6-Dinitro-2-methylpheno	50.000	48.916	2.2	91	-0.07	9.60
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-CC615
Lab FileID: J13726.D

60		Diphenylamine	0.749	0.740	1.2	86	-0.08	9.68
61	C	n-Nitrosodiphenylamine	0.749	0.740	1.2	86	-0.08	9.68
62	S	2,4,6-Tribromophenol (SUR	0.135	0.129	4.4	84	-0.08	9.88
63		4-Bromophenyl-phenylether	0.253	0.245	3.2	85	-0.07	10.36
64		Hexachlorobenzene	0.275	0.263	4.4	85	0.00	10.48
		----------	Amount	Calc.	%Drift		----------	
65	C	Pentachlorophenol	50.000	46.152	7.7	84	0.01	10.91
		----------	AvgRF	CCRF	%Dev		----------	
66		Phenanthrene	1.192	1.165	2.3	86	0.00	11.26
67		Anthracene	1.147	1.130	1.5	87	-0.07	11.36
68		Carbazole	0.924	0.933	-1.0	90	-0.06	11.74
69		Di-n-butylphthalate	1.431	1.406	1.7	90	-0.03	12.56
70	C	Fluoranthene	1.080	1.066	1.3	92	0.00	13.71
71	I	Chrysene-d12	1.000	1.000	0.0	135	0.01	16.74
		----------	Amount	Calc.	%Drift		----------	
72		Benzidine	50.000	55.716	-11.4	151	-0.03	14.05
		----------	AvgRF	CCRF	%Dev		----------	
73		Pyrene	1.409	1.162	17.5	93	-0.03	14.17
74	S	Terphenyl-d14	0.955	0.818	14.3	99	-0.02	14.58
75		Butylbenzylphthalate	0.628	0.544	13.4	108	0.00	15.68
76		Benzo(a)anthracene	1.125	1.094	2.8	128	0.01	16.72
		----------	Amount	Calc.	%Drift		----------	
77		3,3'-Dichlorobenzidine	50.000	67.163	-34.3#	225	0.02	16.72
		----------	AvgRF	CCRF	%Dev		----------	
78		Chrysene	0.949	0.926	2.4	126	0.00	16.80
79		bis(2-Ethylhexyl)phthalat	0.843	0.732	13.2	119	0.01	16.96
80	I	Perylene-d12	1.000	1.000	0.0	130	0.01	19.54
81	C	Di-n-octylphthalate	1.916	2.038	-6.4	137	0.01	18.25
82		Benzo(b)fluoranthene	1.322	1.367	-3.4	131	0.02	18.86
83		Benzo(k)fluoranthene	1.207	1.384	-14.7	138	0.00	18.91
84	C	Benzo(a)pyrene	1.129	1.160	-2.7	129	0.11	19.44
85		Indeno(1,2,3-cd)pyrene	0.952	0.889	6.6	110	0.02	21.64
86		Dibenz(a,h)anthracene	0.790	0.737	6.7	111	0.01	21.66
87		Benzo(g,h,i)perylene	0.719	0.640	11.0	102	0.01	22.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
j13340.D ej615mg.m Mon Oct 12 13:52:55 2009

7.7.15

7

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ631-CC629
Lab FileID: J13727.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej631\j13727.D            Vial: 3
Acq On    :  9 Oct 2009   9:57 am                   Operator: sheilac
Sample    : cc629-50,(Bzth+Resor)                   Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej631,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej629ben+res.m (RTE Integrator)
Title        :
Last Update  : Thu Oct 08 14:53:20 2009
Response via : Single Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	4.73
2		Pyridine		----------NA----------				
3	S	2-Fluorophenol (SURR)	1.540	1.506	2.2	107	0.00	3.71
4		Benzenethiol	1.540	1.510	1.9	108	0.00	4.40
5	S	Phenol-d5 (SURR)	1.959	1.894	3.3	106	-0.01	4.50
6	C	Phenol		----------NA----------				
7		1,3-Dichlorobenzene		----------NA----------				
8	C	1,4-Dichlorobenzene		----------NA----------				
9		1,2-Dichlorobenzene		----------NA----------				
10		Indene		----------NA----------				
11		2-Methylphenol		----------NA----------				
12		4-Methylphenol		----------NA----------				
13		m+p-Cresols		----------NA----------				
14	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.94
15	S	Nitrobenzene-d5 (SURR)	0.498	0.494	0.8	106	0.00	5.22
16		2,4-Dimethylphenol		----------NA----------				
17		Naphthalene		----------NA----------				
18		Quinoline		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
19		Resorcinol	50.000	40.618	18.8	86	-0.01	6.59
		----------	AvgRF	CCRF	%Dev		----------	
20		1-Methylnaphthalene		----------NA----------				
21	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00	8.41
22	S	2-Fluorobiphenyl (SURR)	1.640	1.712	-4.4	101	-0.01	7.34
23		Dimethylphthalate		----------NA----------				
24	P	2,4-Dinitrophenol		----------NA----------				
25	P	4-Nitrophenol		----------NA----------				
26		Diethylphthalate		----------NA----------				
27	I	Phenanthrene-d10	1.000	1.000	0.0	81	0.00	11.19
28	S	2,4,6-Tribromophenol (SUR	0.136	0.132	2.9	79	-0.02	9.86
29		Phenanthrene		----------NA----------				
30		Anthracene		----------NA----------				
31		Di-n-butylphthalate		----------NA----------				
32	C	Fluoranthene		----------NA----------				
33	I	Chrysene-d12	1.000	1.000	0.0	62	0.00	16.71
34		Pyrene		----------NA----------				

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-CC629
Lab FileID: J13727.D

35	S	Terphenyl-d14	1.227	1.275	-3.9	63	-0.01	14.56
36		Butylbenzylphthalate	----------NA----------					
37		Benzo(a)anthracene	----------NA----------					
38		Chrysene	----------NA----------					
39		bis(2-Ethylhexyl)phthalat	----------NA----------					
40	I	Perylene-d12	1.000	1.000	0.0	76	0.00	19.52
41		Methyl Chrysene	----------NA----------					
42	C	Di-n-octylphthalate	----------NA----------					
43		7,12-Dimethylbenz(a)anthr	----------NA----------					
44		Benzo(b)fluoranthene	----------NA----------					
45		Benzo(k)fluoranthene	----------NA----------					
46	C	Benzo(a)pyrene	----------NA----------					
47		Dibenz(a,h)acridine	----------NA----------					
48		Dibenz(a,h)anthracene	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
j13689.D ej629ben+res.m Fri Oct 09 10:35:22 2009

7.7.16

7

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo
Sample: EJ631-CC602
Lab FileID: J13728.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\ej631\j13728.D            Vial: 4
Acq On    :  9 Oct 2009  10:27 am                   Operator: sheilac
Sample    : cc602-50,(c10+c18)                      Inst    : AGC-VOA-MSJ
Misc      : op12949,Ej631,1000,,,1,1,water          Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\msdchem\1\METHODS\ej602c.m (RTE Integrator)
Title        :
Last Update  : Fri Oct 09 10:40:37 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	178	0.00	4.73
2		bis(Chloromethyl) ether		----------NA----------				
3		1,4-Dioxane		----------NA----------				
4		2-Picoline		----------NA----------				
5		n-Nitrosodimethylamine		----------NA----------				
6		Pyridine		----------NA----------				
7		Furfural		----------NA----------				
8	S	2-Fluorophenol (SURR)	1.269	1.207	4.9	170	-0.11	3.71
9	S	Phenol-d5 (SURR)	1.557	1.694	-8.8	195	0.00	4.50
10	C	Phenol		----------NA----------				
11		Aniline		----------NA----------				
12		bis(2-Chloroethyl)ether		----------NA----------				
13		Benzaldehyde		----------NA----------				
14		2-Chlorophenol		----------NA----------				
15		n-Decane	1.841	1.653	10.2	159	0.00	4.61
16		1,3-Dichlorobenzene		----------NA----------				
17	C	1,4-Dichlorobenzene		----------NA----------				
18		Benzyl Alcohol		----------NA----------				
19		1,2-Dichlorobenzene		----------NA----------				
20		Acetophenone		----------NA----------				
21		2-Methylphenol		----------NA----------				
22		bis(2-chloroisopropyl)eth		----------NA----------				
23		4-Methylphenol		----------NA----------				
24		m+p-Cresols		----------NA----------				
25	P	n-Nitroso-di-n-propylamin		----------NA----------				
26		Hexachloroethane		----------NA----------				
27	I	Naphthalene-d8	1.000	1.000	0.0	208#	0.00	5.94
28	S	Nitrobenzene-d5 (SURR)	0.392	0.349	11.0	189	-0.04	5.22
29		Nitrobenzene		----------NA----------				
30		Isophorone		----------NA----------				
31		N-Nitrosodiethylamine		----------NA----------				
32	C	2-Nitrophenol		----------NA----------				
33		2,4-Dimethylphenol		----------NA----------				
34		bis(2-Chloroethoxy)methan		----------NA----------				
35		Benzoic Acid		----------NA----------				
36	C	2,4-Dichlorophenol		----------NA----------				
37		1,2,4-Trichlorobenzene		----------NA----------				
38		Naphthalene		----------NA----------				
39		4-Chloroaniline		----------NA----------				
40		Caprolactam		----------NA----------				
41	C	Hexachlorobutadiene		----------NA----------				

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-CC602
Lab FileID: J13728.D

42		N-Nitrosodi-n-butylamine		----------NA----------				
43	C	4-Chloro-3-methylphenol		----------NA----------				
44		2-Methylnaphthalene		----------NA----------				
45		1-Methylnaphthalene		----------NA----------				
46	I	Acenaphthene-d10	1.000	1.000	0.0	171	0.00	8.41
47	P	Hexachlorocyclopentadiene		----------NA----------				
48		1,2,4,5-Tetrachlorobenzen		----------NA----------				
49	C	2,4,6-Trichlorophenol		----------NA----------				
50		2,4,5-Trichlorophenol		----------NA----------				
51	S	2-Fluorobiphenyl (SURR)	1.462	1.543	-5.5	181	-0.05	7.35
52		2-Chloronaphthalene		----------NA----------				
53		1,1'-Biphenyl		----------NA----------				
54		2-Nitroaniline		----------NA----------				
55		Dimethylphthalate		----------NA----------				
56		Acenaphthylene		----------NA----------				
57		2,6-Dinitrotoluene		----------NA----------				
58		3-Nitroaniline		----------NA----------				
59	C	Acenaphthene		----------NA----------				
60	P	2,4-Dinitrophenol		----------NA----------				
61	P	4-Nitrophenol		----------NA----------				
62		Dibenzofuran		----------NA----------				
63		2,4-Dinitrotoluene		----------NA----------				
64		2,3,4,6-Tetrachlorophenol		----------NA----------				
65		Diethylphthalate		----------NA----------				
66		Fluorene		----------NA----------				
67		4-Chlorophenyl-phenylethe		----------NA----------				
68		4-Nitroaniline		----------NA----------				
69	I	Phenanthrene-d10	1.000	1.000	0.0	181	0.00	11.19
70		1,2-Diphenylhydrazine		----------NA----------				
71		4,6-Dinitro-2-methylpheno		----------NA----------				
72		Diphenylamine		----------NA----------				
73		Atrazine		----------NA----------				
74	C	n-Nitrosodiphenylamine		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
75	S	2,4,6-Tribromophenol (SUR	100.000	94.352	5.6	172	-0.08	9.86
		----------	AvgRF	CCRF	%Dev	----------		
76		4-Bromophenyl-phenylether		----------NA----------				
77		Hexachlorobenzene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
78	C	Pentachlorophenol		----------NA----------				
79		n-Octadecane	50.000	40.300	19.4	127	0.00	12.92
80		Phenanthrene		----------NA----------				
81		Anthracene		----------NA----------				
82		Carbazole		----------NA----------				
83		Pentachlorobenzene		----------NA----------				
84		Di-n-butylphthalate		----------NA----------				
85	C	Fluoranthene		----------NA----------				
86	I	Chrysene-d12	1.000	1.000	0.0	94	-0.27	16.71
87		Benzidine		----------NA----------				
88		Pyrene		----------NA----------				
89	S	Terphenyl-d14	0.978	1.143	-16.9	116	-0.29	14.57
90		Butylbenzylphthalate		----------NA----------				
91		Benzo(a)anthracene		----------NA----------				
92		3,3'-Dichlorobenzidine		----------NA----------				
93		Chrysene		----------NA----------				

Continuing Calibration Summary

Job Number: T39187
Account: ERMUTSLC ERM Salt Lake City
Project: Vertellus-Provo

Sample: EJ631-CC602
Lab FileID: J13728.D

94		bis(2-Ethylhexyl)phthalat		----------NA----------					
95	I	Perylene-d12	1.000	1.000	0.0	81	-0.28	19.52	
96	C	Di-n-octylphthalate		----------NA----------					
97		Benzo(b)fluoranthene		----------NA----------					
98		Benzo(k)fluoranthene		----------NA----------					
99	C	Benzo(a)pyrene		----------NA----------					
100		Indeno(1,2,3-cd)pyrene		----------NA----------					
101		Dibenz(a,h)anthracene		----------NA----------					
102		Benzo(g,h,i)perylene		----------NA----------					

j13035.D ej602c.m Fri Oct 09 11:49:16 2009

7.1.17

7

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 09:36:51 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	474184	40.00	ug/ml	0.00
20) Naphthalene-d8	5.940	136	1687796	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.411	164	927614	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.198	188	1369897	40.00	ug/ml	0.00
71) Chrysene-d12	16.723	240	1182663	40.00	ug/ml	-0.01
80) Perylene-d12	19.526	264	775746	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.720	112	729858	49.05	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 49.05%			
5) Phenol-d5 (SURR)	4.501	99	601352	32.33	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 32.33%			
21) Nitrobenzene-d5 (SURR)	5.218	82	679142	38.37	ug/ml	-0.08
Spiked Amount 50.000	Range 29 - 115		Recovery = 76.74%			
40) 2-Fluorobiphenyl (SURR)	7.341	172	1231304	34.08	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 68.16%			
62) 2,4,6-Tribromophenol (...	9.855	330	386723	83.90	ug/ml	-0.11
Spiked Amount 100.000	Range 32 - 128		Recovery = 83.90%			
74) Terphenyl-d14	14.573	244	1353721	47.94	ug/ml	-0.02
Spiked Amount 50.000	Range 12 - 145		Recovery = 95.88%			

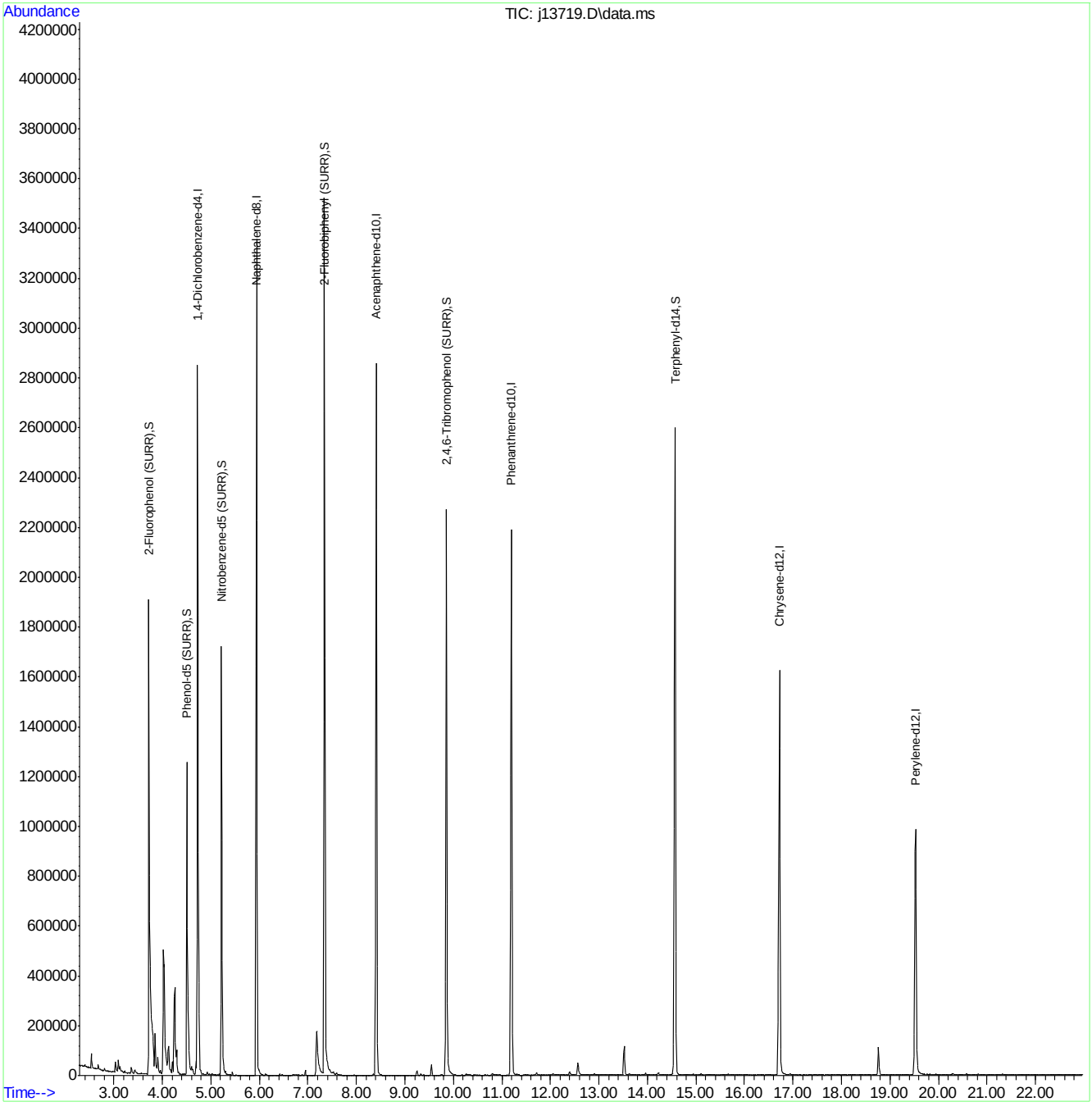
Target Compounds Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 09:36:51 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13719.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.538	44	47	52	rBV	59087	59979	1.27%	0.137%
2	3.030	137	139	147	rBV	39566	49896	1.06%	0.114%
3	3.720	265	268	289	rBV	1900490	3060169	64.77%	6.988%
4	3.849	289	292	297	rVV	159730	190668	4.04%	0.435%
5	3.907	300	303	309	rVB	62082	66873	1.42%	0.153%
6	4.020	321	324	326	rBV	487915	516583	10.93%	1.180%
7	4.127	338	344	355	rVB2	107080	215640	4.56%	0.492%
8	4.239	362	365	366	rVV	307416	254139	5.38%	0.580%
9	4.255	366	368	373	rVV	342460	374204	7.92%	0.854%
10	4.293	373	375	381	rVB	89627	90990	1.93%	0.208%
11	4.501	410	414	430	rBV	1254683	1910871	40.44%	4.363%
12	4.694	445	450	452	rBV	53542	54571	1.15%	0.125%
13	4.726	452	456	466	rVB	2836909	3177322	67.25%	7.255%
14	5.218	544	548	561	rBV	1719486	2131085	45.10%	4.866%
15	5.940	677	683	704	rBV	3356747	3968735	83.99%	9.062%
16	7.175	909	914	938	rBV	177708	517891	10.96%	1.183%
17	7.341	938	945	962	rBV	3513351	4688356	99.22%	10.706%
18	8.411	1137	1145	1159	rBV	2857759	4183334	88.54%	9.552%
19	9.545	1351	1357	1363	rBV	43147	51969	1.10%	0.119%
20	9.855	1406	1415	1433	rBV	2271531	3735014	79.05%	8.529%
21	11.198	1656	1666	1681	rBV2	2190280	3872406	81.96%	8.842%
22	12.567	1912	1922	1936	rBV2	49890	96311	2.04%	0.220%
23	13.519	2093	2100	2109	rBV2	114180	197887	4.19%	0.452%
24	14.573	2284	2297	2311	rBV	2598034	4724984	100.00%	10.789%
25	16.723	2688	2699	2716	rBV	1624207	3285638	69.54%	7.503%
26	18.761	3074	3080	3090	rBV	109526	185686	3.93%	0.424%
27	19.526	3213	3223	3249	rBV	983531	2132037	45.12%	4.868%

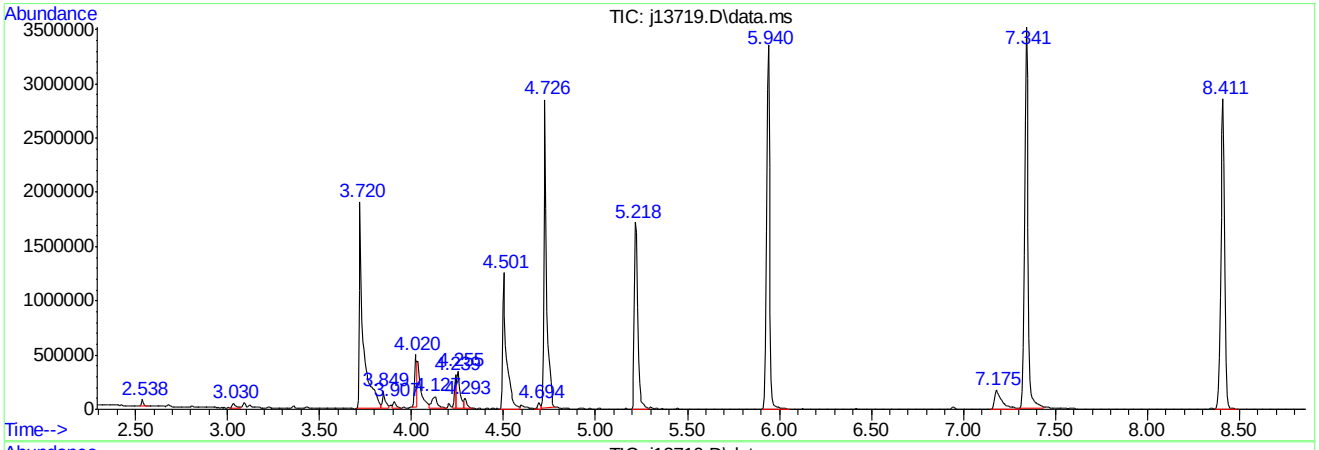
Sum of corrected areas: 43793238

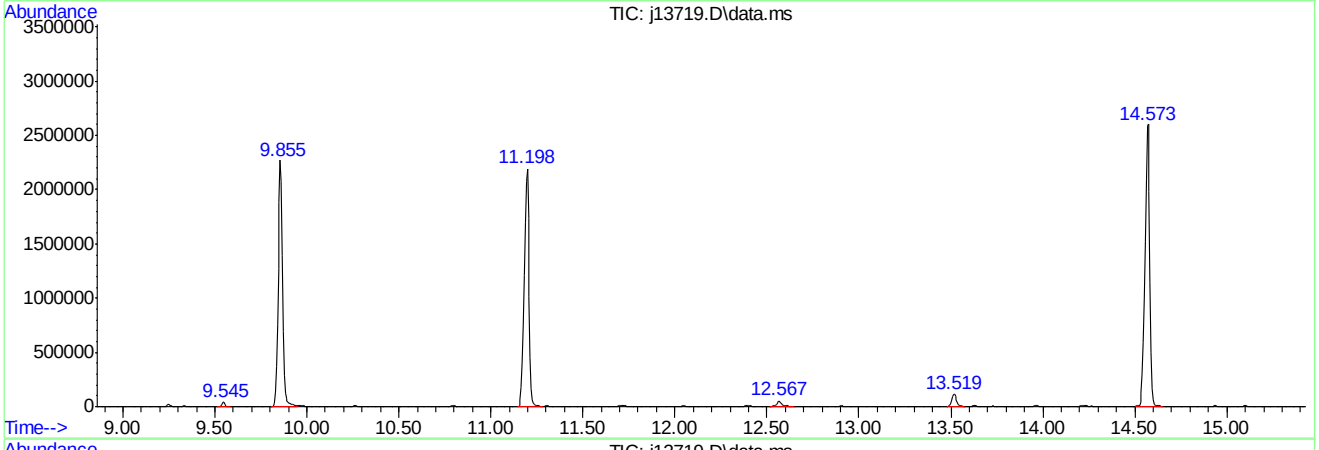
LSC Report - Integrated Chromatogram

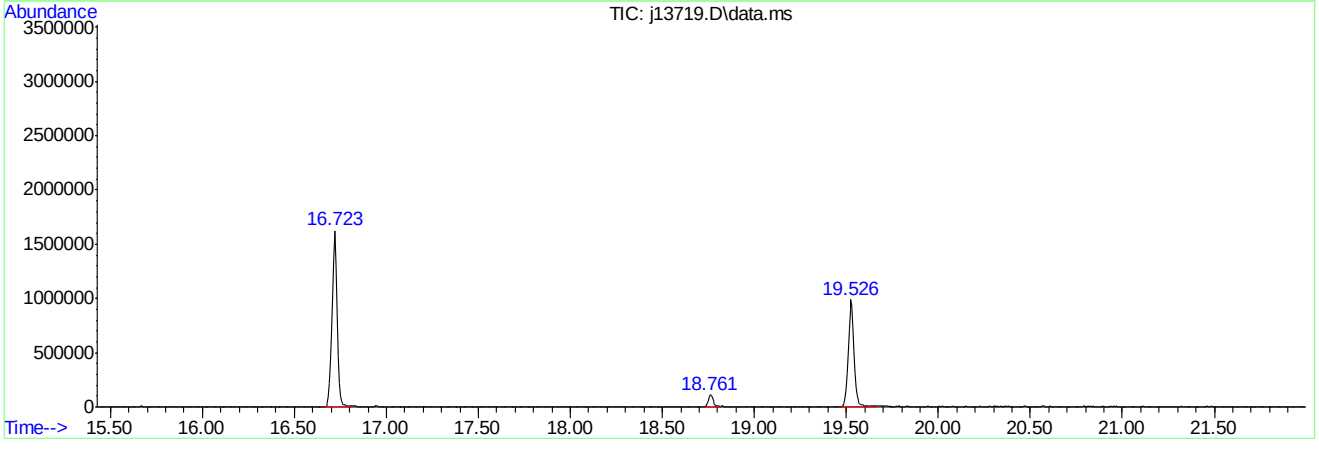
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

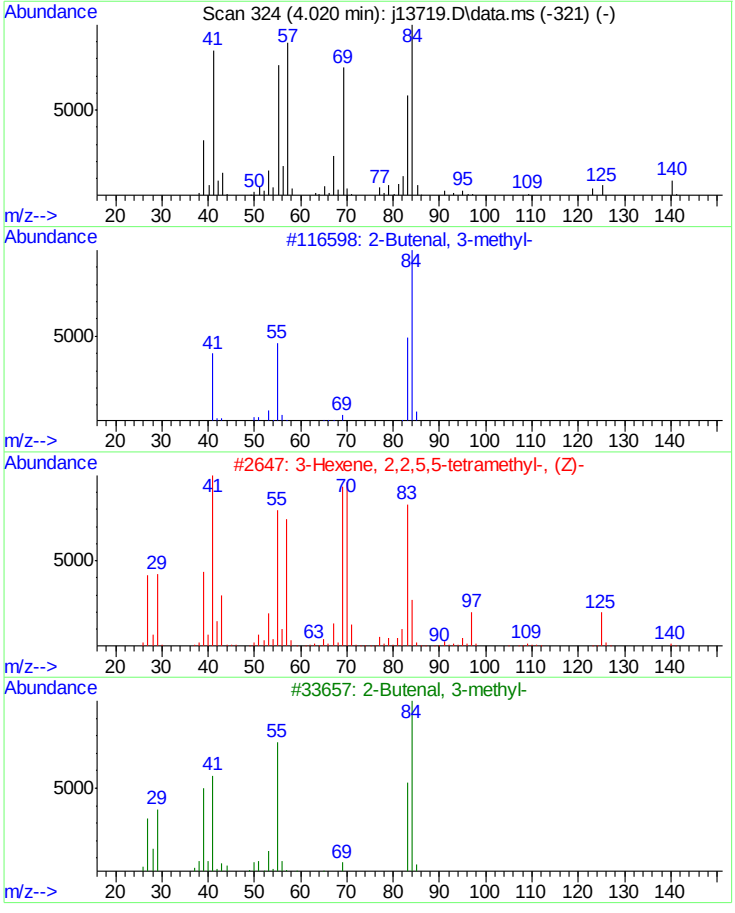
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

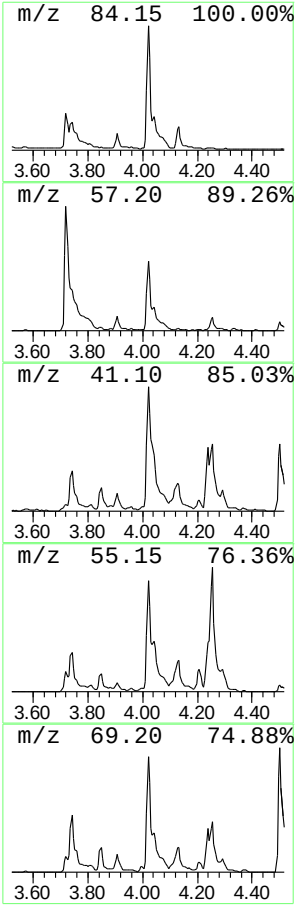
****

Peak Number 1 2-Butenal, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.020	6.50 ug/ml	516583	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	46
2	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	43
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	43
5	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	38





ACCUTEST Laboratories

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

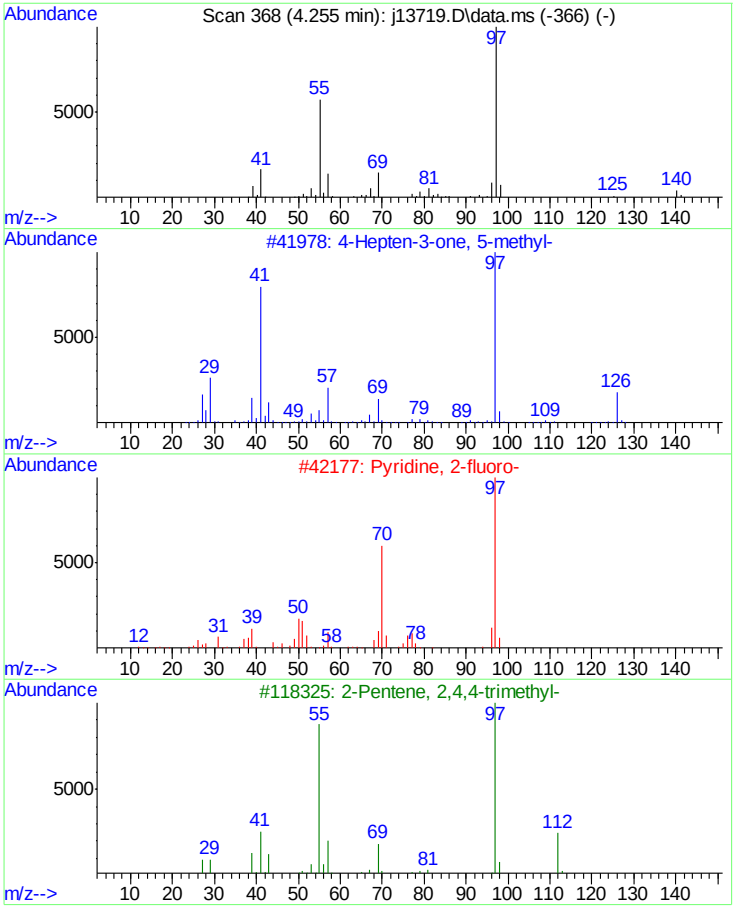
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

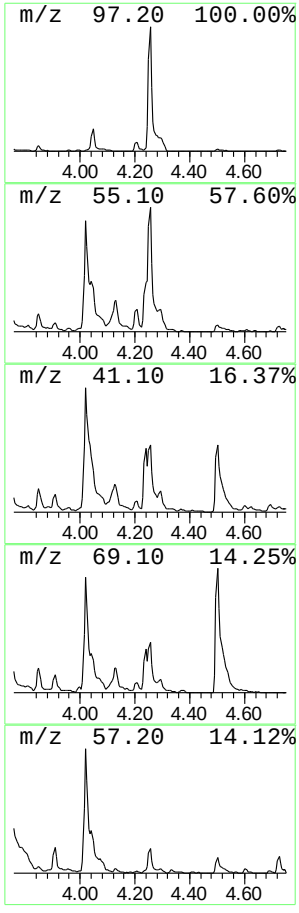
****

Peak Number 2 4-Hepten-3-one, 5-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.255	4.71 ug/ml	374204	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hepten-3-one, 5-methyl-	126	C8H14O	001447-26-3	64
2	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
4	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
5	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

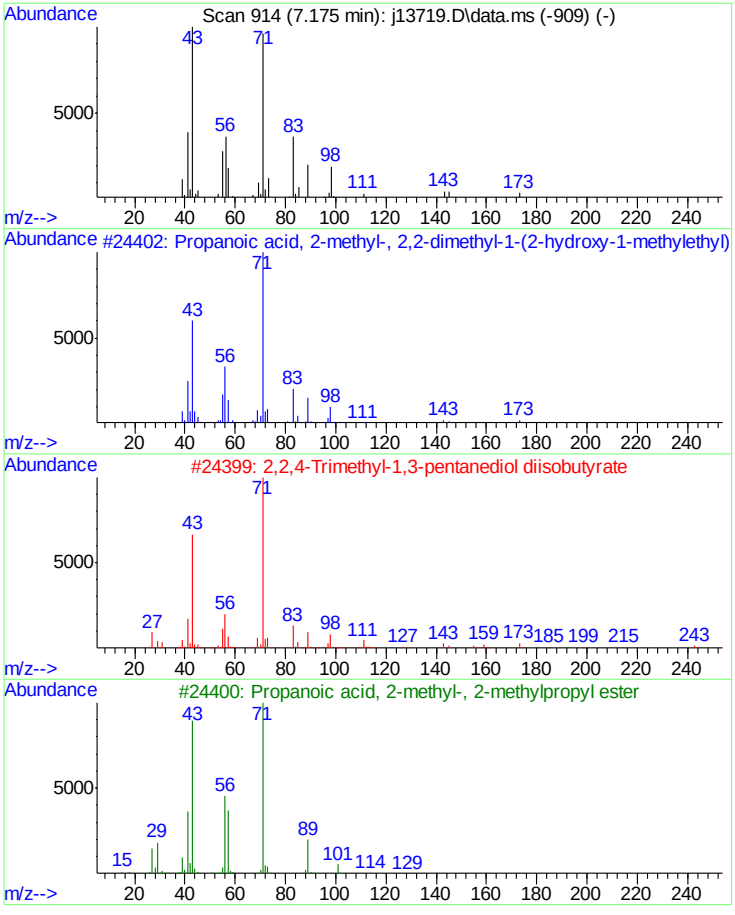
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

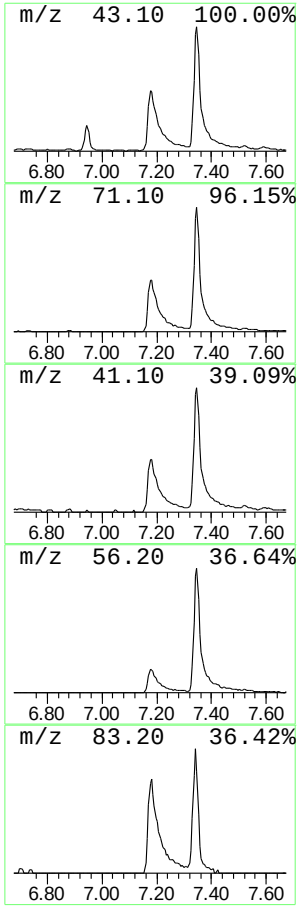
****

Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.175	5.22 ug/ml	517891	Naphthalene-d8	5.940

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	59
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	59
3	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	50
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	43
5	3-Hexenoic acid, 5-hydroxy-2-met...	144	C7H12O3	110678-36-9	42





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13719.D
Acq On : 9 Oct 2009 2:58 am
Operator : sheilac
Sample : t39187-1
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
2-Butenal, 3-me...	4.020	6.5	ug/ml	516583	1	4.726	3177320	40.0
4-Hepten-3-one,...	4.255	4.7	ug/ml	374204	1	4.726	3177320	40.0
Propanoic acid,...	7.175	5.2	ug/ml	517891	2	5.940	3968740	40.0

Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 09:37:23 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	492034	40.00	ug/ml	0.00
20) Naphthalene-d8	5.940	136	1713318	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.411	164	891600	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.192	188	1193300	40.00	ug/ml	-0.01
71) Chrysene-d12	16.717	240	642717	40.00	ug/ml	-0.02
80) Perylene-d12	19.520	264	417565	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.720	112	856270	55.46	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 55.46%			
5) Phenol-d5 (SURR)	4.501	99	846034	43.84	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 43.84%			
21) Nitrobenzene-d5 (SURR)	5.218	82	748851	41.68	ug/ml	-0.08
Spiked Amount 50.000	Range 29 - 115		Recovery = 83.36%			
40) 2-Fluorobiphenyl (SURR)	7.341	172	1294805	37.28	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 74.56%			
62) 2,4,6-Tribromophenol (...	9.855	330	307472	76.58	ug/ml	-0.11
Spiked Amount 100.000	Range 32 - 128		Recovery = 76.58%			
74) Terphenyl-d14	14.562	244	757564	49.36	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery = 98.72%			

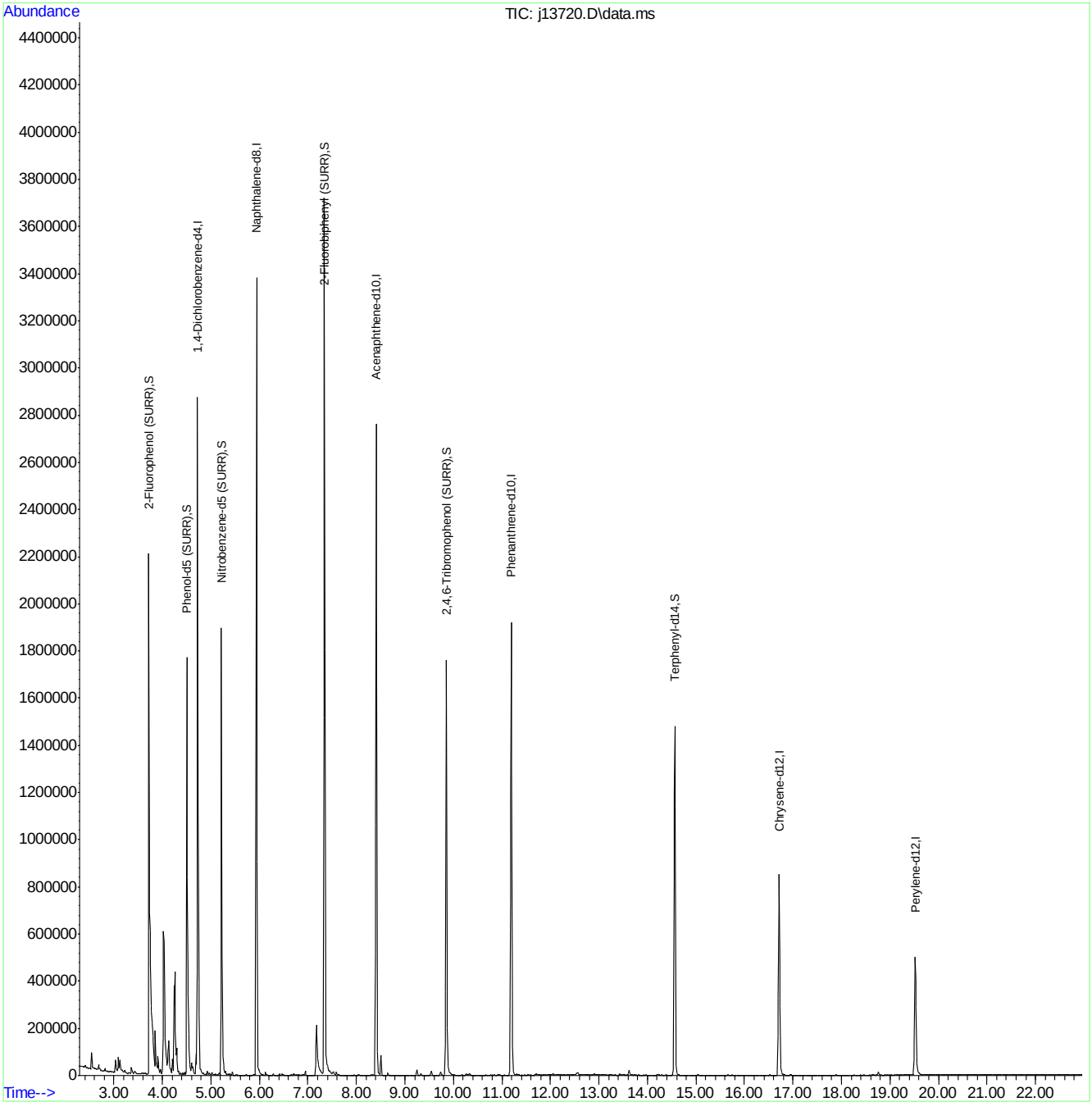
Target Compounds Qvalue

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

Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 09:37:23 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.544	45	48	52	rBV	67561	68488	1.39%	0.169%
2	3.036	137	140	147	rBV	52409	59824	1.21%	0.148%
3	3.094	147	151	154	rVV2	60994	70286	1.43%	0.174%
4	3.121	154	156	168	rVB	51608	69565	1.41%	0.172%
5	3.720	265	268	290	rBV	2205787	3606433	73.17%	8.923%
6	3.849	290	292	298	rVV	181370	229517	4.66%	0.568%
7	3.907	301	303	310	rVB	70501	78055	1.58%	0.193%
8	4.025	321	325	338	rBV2	595870	1241099	25.18%	3.071%
9	4.132	338	345	356	rVB2	134991	265864	5.39%	0.658%
10	4.207	356	359	362	rBV2	58658	57840	1.17%	0.143%
11	4.239	362	365	366	rVV	365027	279463	5.67%	0.691%
12	4.255	366	368	373	rVV	425294	473442	9.61%	1.171%
13	4.293	373	375	380	rVB	104057	110110	2.23%	0.272%
14	4.501	410	414	430	rBV	1769352	2703527	54.85%	6.689%
15	4.694	446	450	452	rBV	85841	85752	1.74%	0.212%
16	4.726	452	456	466	rVB	2850199	3273785	66.42%	8.100%
17	5.218	544	548	561	rBV	1893639	2364413	47.97%	5.850%
18	5.940	677	683	692	rBV	3380814	3988337	80.92%	9.868%
19	7.175	908	914	938	rBV	214769	532752	10.81%	1.318%
20	7.341	938	945	964	rBV	3712064	4928645	100.00%	12.195%
21	8.411	1137	1145	1158	rBV	2760896	4026882	81.70%	9.964%
22	8.502	1158	1162	1172	rVB	87047	113964	2.31%	0.282%
23	9.855	1407	1415	1438	rBV	1761933	2962961	60.12%	7.331%
24	11.192	1656	1665	1681	rBV2	1921428	3377295	68.52%	8.356%
25	14.562	2287	2295	2307	rVB2	1479552	2606447	52.88%	6.449%
26	16.712	2687	2697	2723	rBV	852210	1733910	35.18%	4.290%
27	19.520	3213	3222	3236	rBV	499114	1106723	22.45%	2.738%

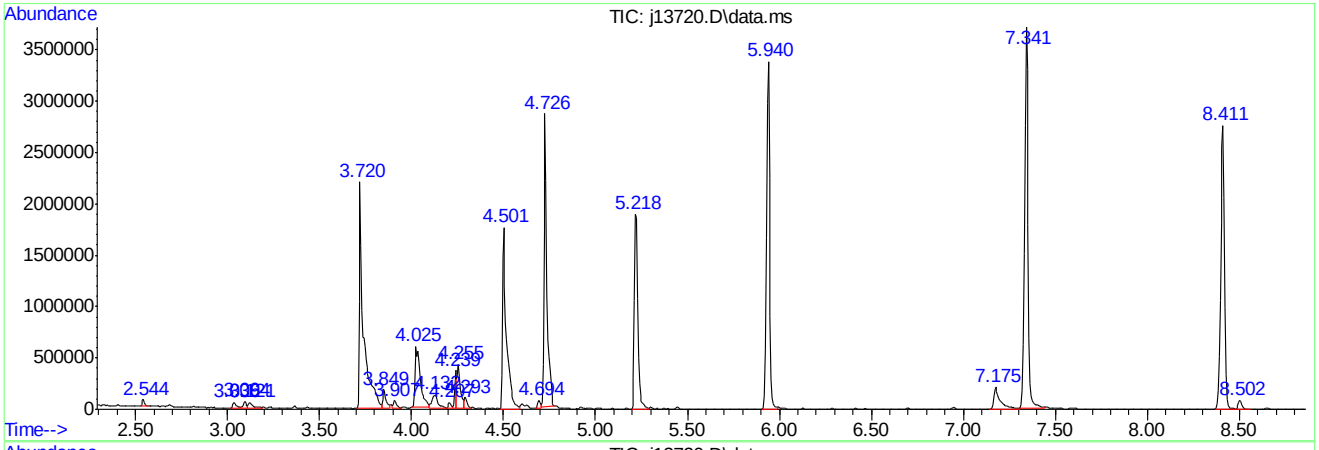
Sum of corrected areas: 40415379

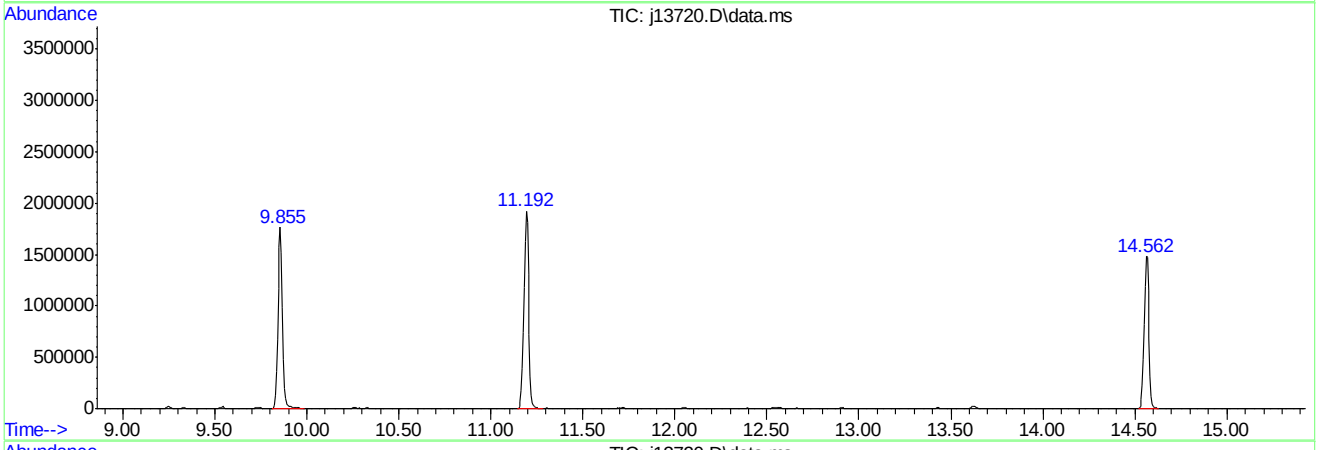
LSC Report - Integrated Chromatogram

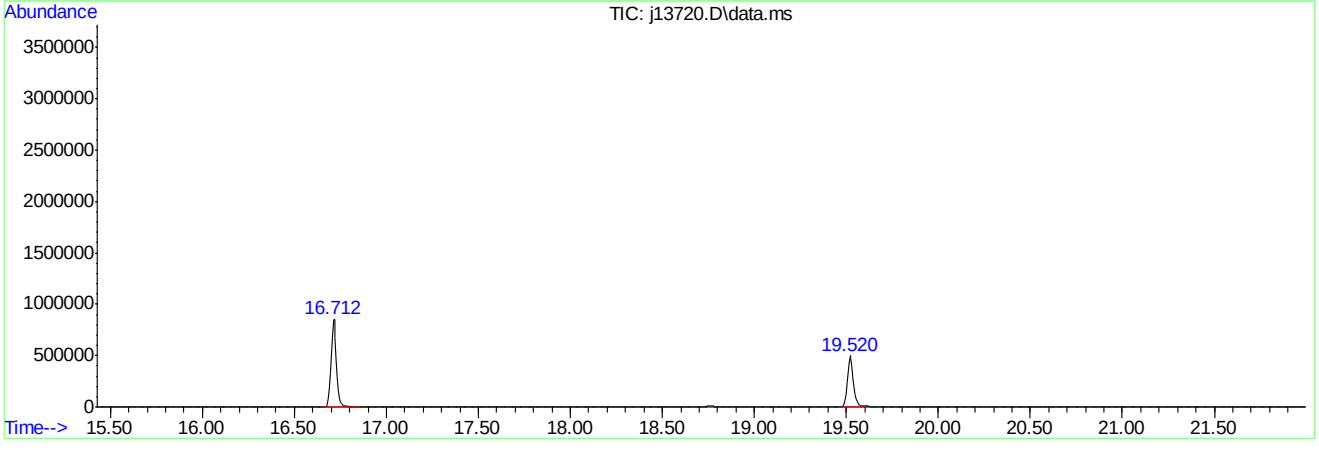
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

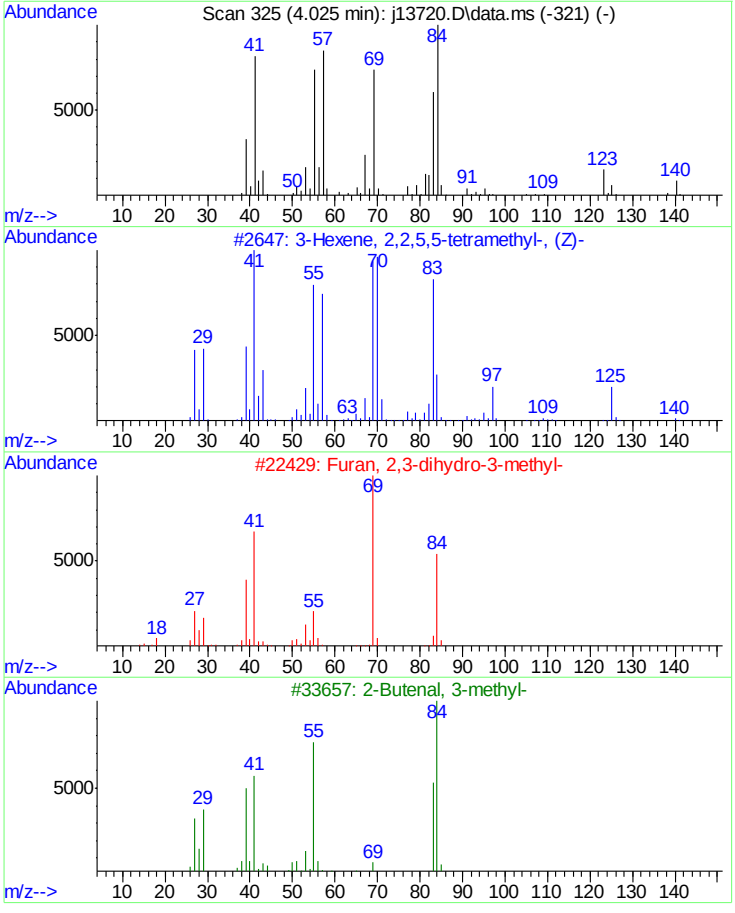
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

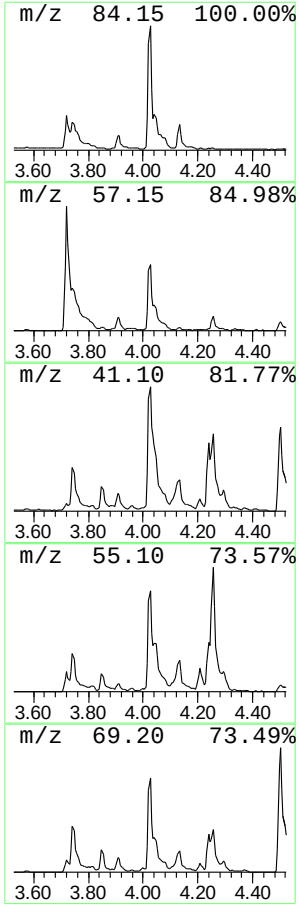
****

Peak Number 1 3-Hexene, 2,2,5,5-tetrameth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.025	15.16 ug/ml	1241100	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	50
2	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	46
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	38
5	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

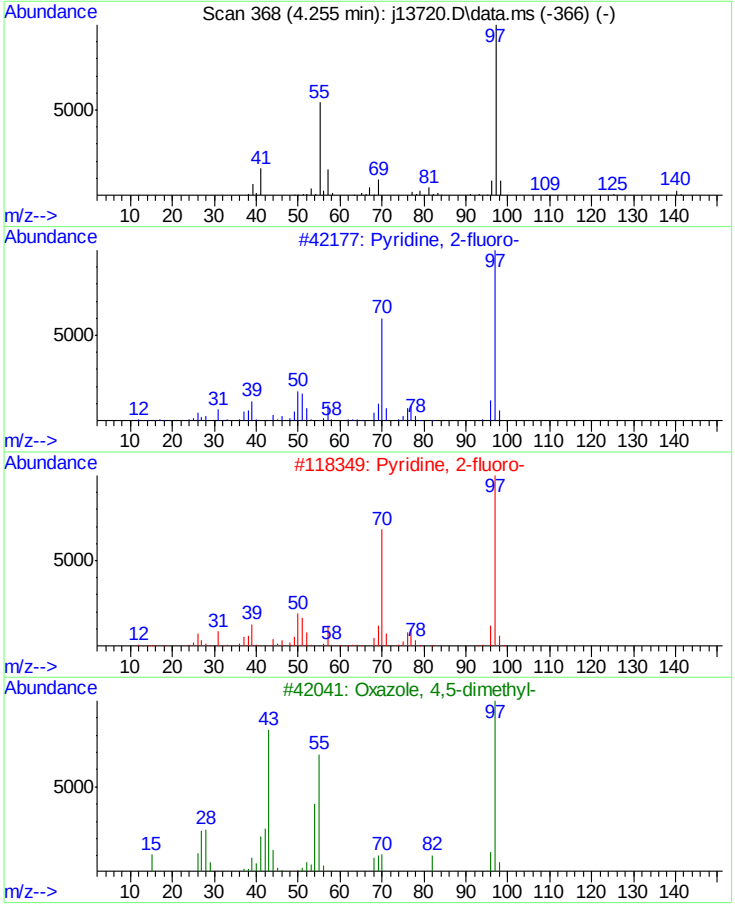
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

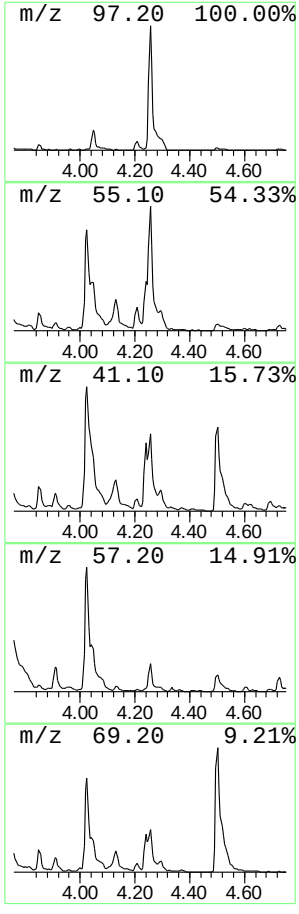
****

Peak Number 2 Pyridine, 2-fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.255	5.78 ug/ml	473442	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
2	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
3	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	56
5	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

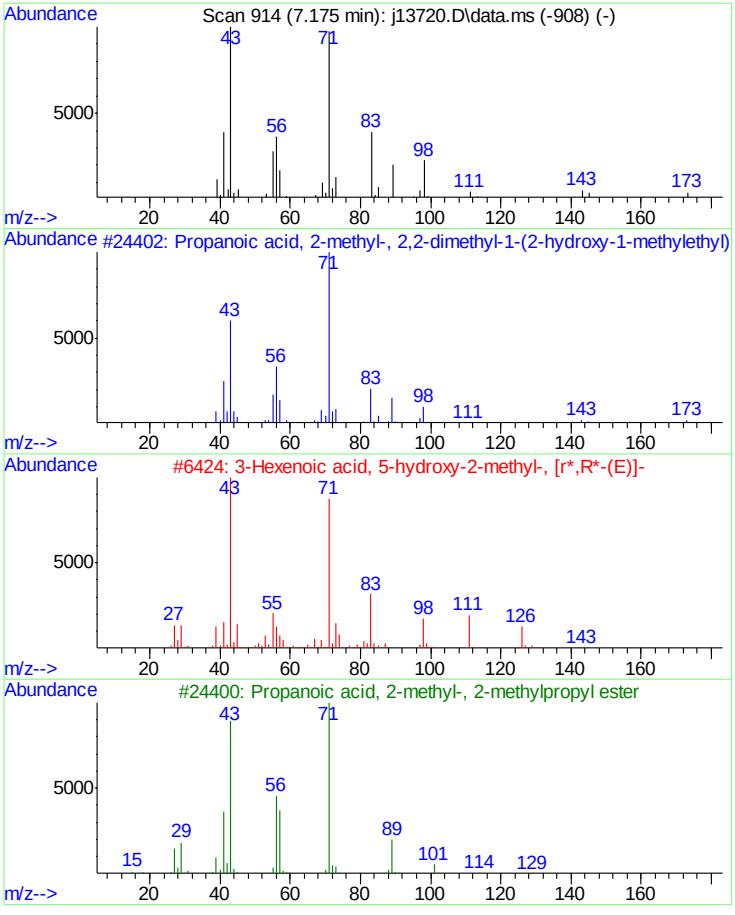
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

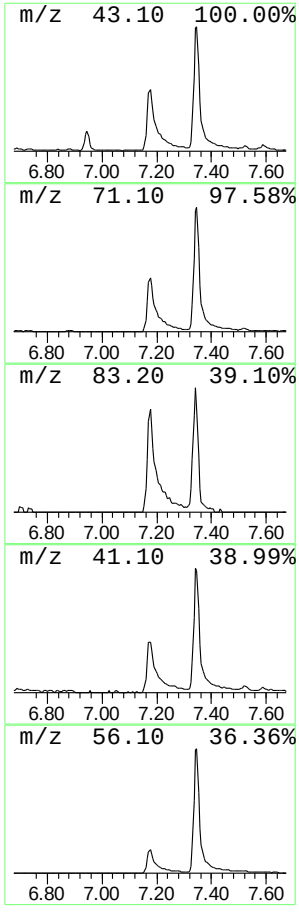
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.175	5.29 ug/ml	532752	Acenaphthene-d10	8.411

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	53
2	3-Hexenoic acid, 5-hydroxy-2-met...	144	C7H12O3	110678-36-9	45
3	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	43
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	38
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	37





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13720.D
Acq On : 9 Oct 2009 3:28 am
Operator : sheilac
Sample : t39187-2
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
3-Hexene, 2,2,5...	4.025	15.2	ug/ml	1241100	1	4.726	3273790	40.0
Pyridine, 2-flu...	4.255	5.8	ug/ml	473442	1	4.726	3273790	40.0
Propanoic acid,...	7.175	5.3	ug/ml	532752	3	8.411	4026880	40.0

8.1.4

8

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13723.D
Acq On : 9 Oct 2009 4:58 am
Operator : sheilac
Sample : t39187-3,40x
Misc : op13205,Ej630,1000,,,1,40,water
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 12 16:07:56 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

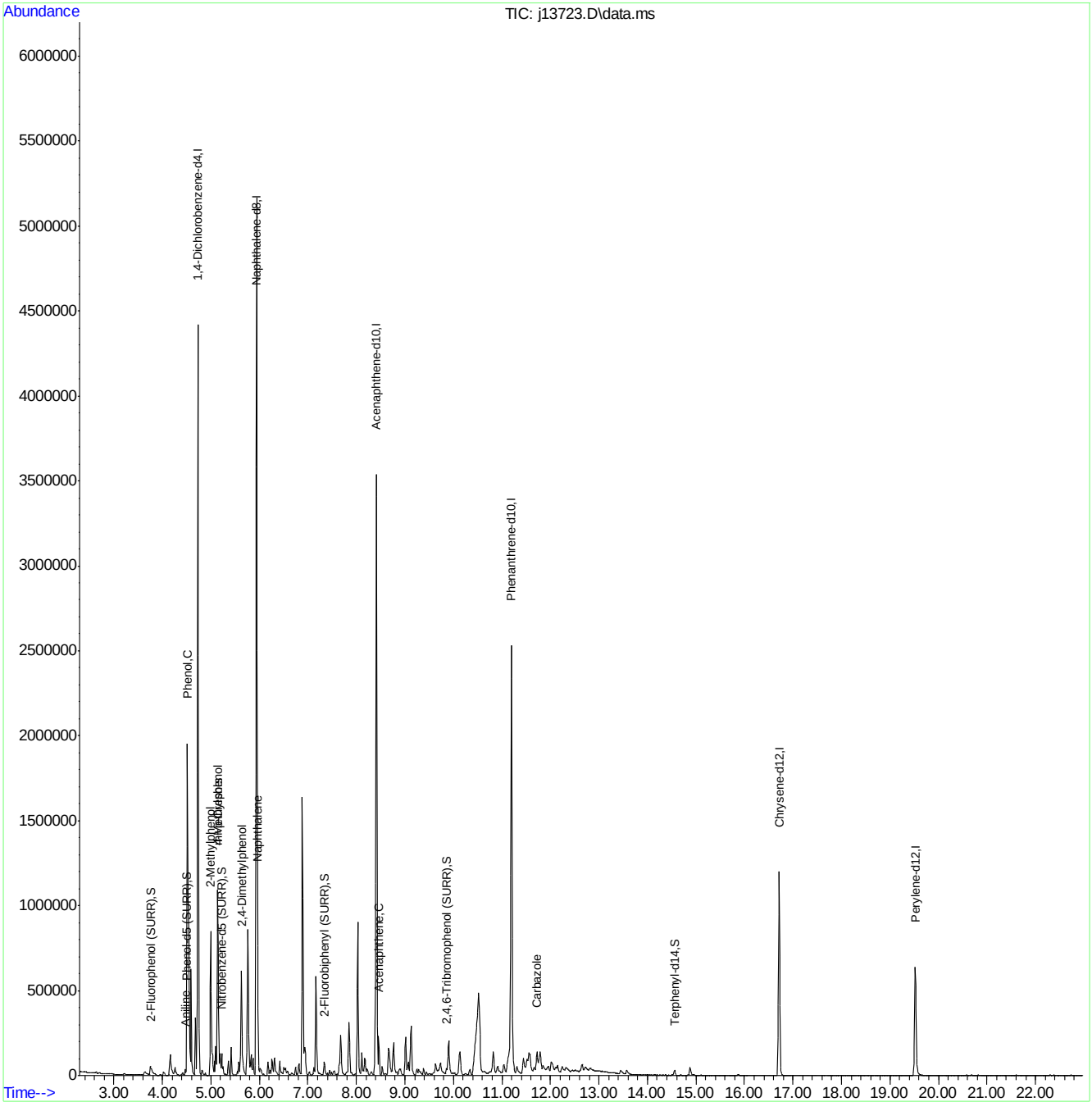
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	742968	40.00	ug/ml	0.00
20) Naphthalene-d8	5.940	136	2500454	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.411	164	1216511	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.198	188	1571718	40.00	ug/ml	0.00
71) Chrysene-d12	16.717	240	854985	40.00	ug/ml	-0.02
80) Perylene-d12	19.520	264	543937	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.752	112	23596	1.01	ug/ml	0.08
Spiked Amount 100.000	Range 10 - 66		Recovery	=	1.01%#	
5) Phenol-d5 (SURR)	4.501	99	16991	0.58	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.58%#	
21) Nitrobenzene-d5 (SURR)	5.223	82	20260	0.77	ug/ml	-0.08
Spiked Amount 50.000	Range 29 - 115		Recovery	=	1.54%#	
40) 2-Fluorobiphenyl (SURR)	7.341	172	35573	1.50	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery	=	3.00%#	
62) 2,4,6-Tribromophenol (...	9.855	330	6824	1.29	ug/ml	-0.11
Spiked Amount 100.000	Range 32 - 128		Recovery	=	1.29%#	
74) Terphenyl-d14	14.562	244	20887	1.02	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery	=	2.04%#	
Target Compounds						Qvalue
6) Phenol	4.512	94	1114030	35.33	ug/ml#	77
7) Aniline	4.490	93	7211	2.87	ug/ml#	41
14) 2-Methylphenol	4.993	108	214364	9.70	ug/ml	99
16) 4-Methylphenol	5.138	108	321875	13.76	ug/ml	99
17) m+p-Cresols	5.138	108	321875	13.76	ug/ml	99
25) 2,4-Dimethylphenol	5.630	122	186672	9.53	ug/ml	99
30) Naphthalene	5.961	128	394153	5.79	ug/ml	100
47) Acenaphthene	8.459	154	75279	2.22	ug/ml	99
68) Carbazole	11.722	167	53427	1.47	ug/ml	99

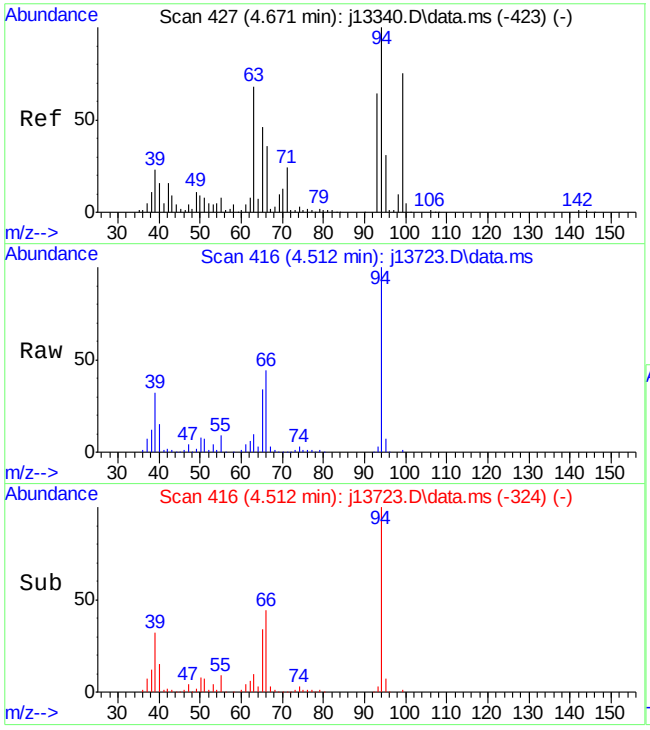
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13723.D
Acq On : 9 Oct 2009 4:58 am
Operator : sheilac
Sample : t39187-3,40x
Misc : op13205,Ej630,1000,,,1,40,water
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 12 16:07:56 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

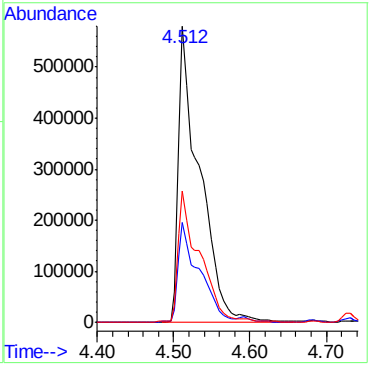


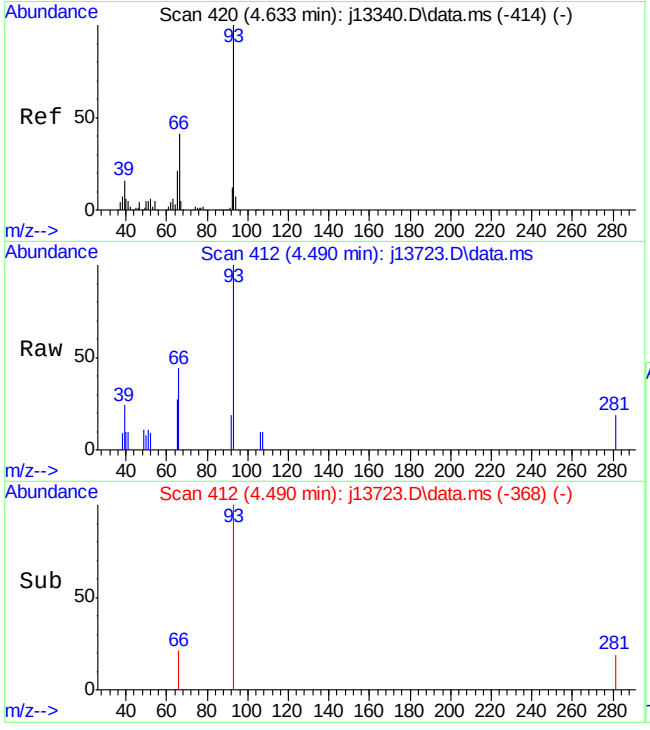


#6
Phenol
Concen: 35.33 ug/ml
RT: 4.512 min Scan# 416
Delta R.T. -0.007 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion: 94 Resp: 1114030

Ion	Ratio	Lower	Upper
94	100		
65	33.5	35.3	75.3#
66	45.3	37.4	77.4

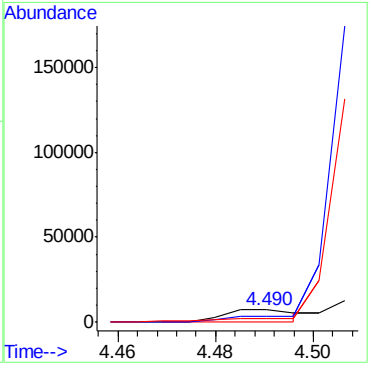


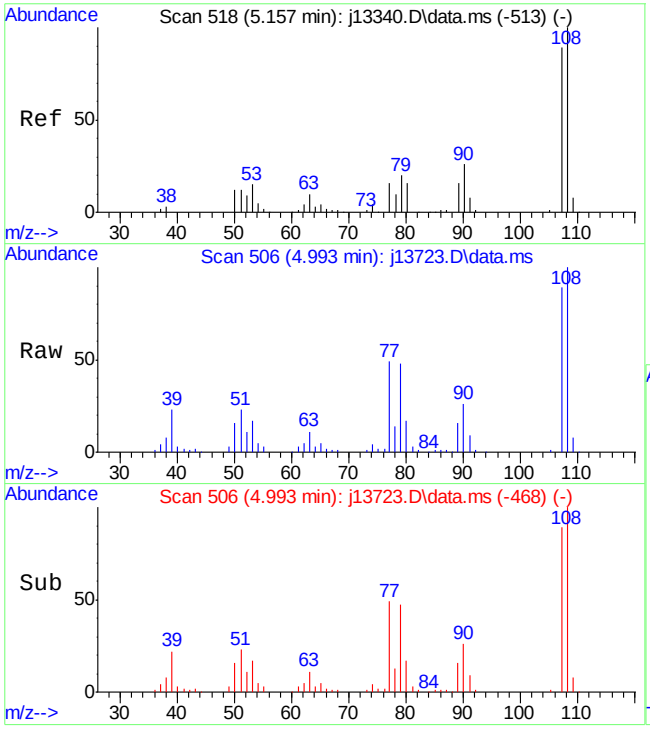


#7
Aniline
Concen: 2.87 ug/ml
RT: 4.490 min Scan# 412
Delta R.T. 0.036 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion: 93 Resp: 7211

Ion	Ratio	Lower	Upper
93	100		
66	0.0	21.2	61.2#
65	0.0	2.0	42.0#

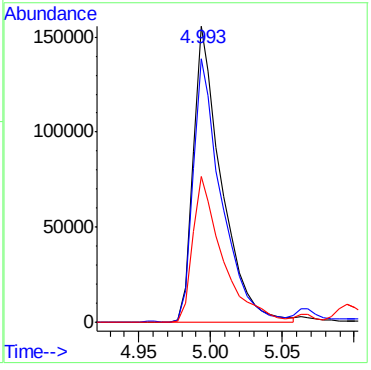


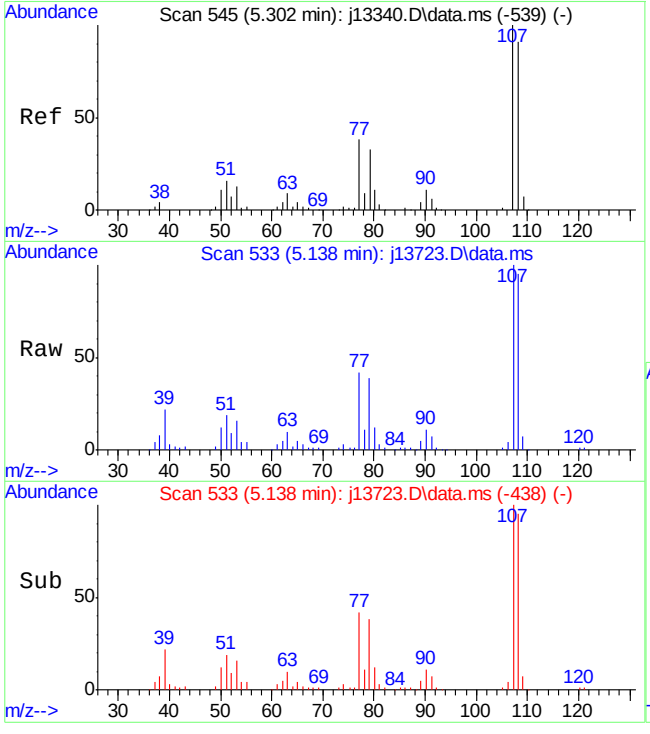


#14
2-Methylphenol
Concen: 9.70 ug/ml
RT: 4.993 min Scan# 506
Delta R.T. 0.001 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:108 Resp: 214364

Ion	Ratio	Lower	Upper
108	100		
107	89.5	69.0	109.0
77	52.1	30.1	70.1

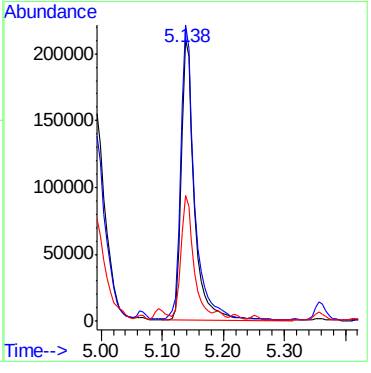


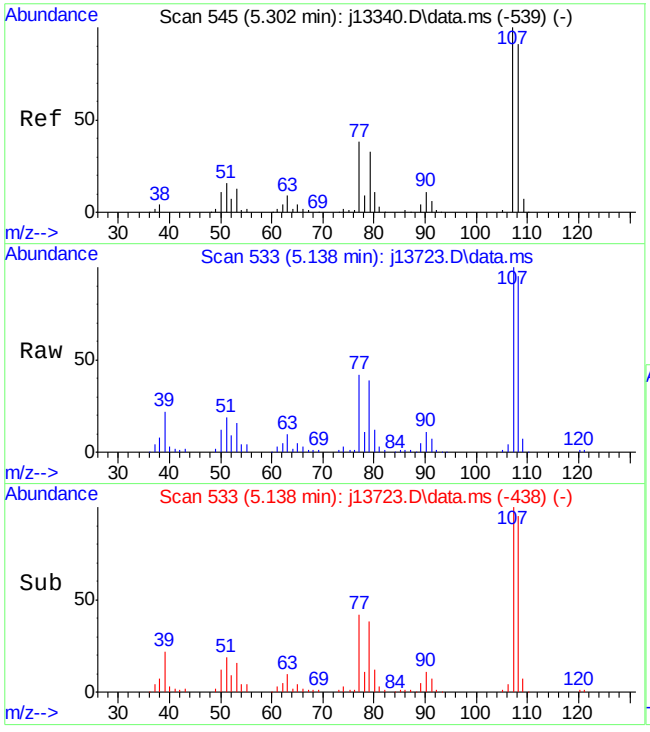


#16
4-Methylphenol
Concen: 13.76 ug/ml
RT: 5.138 min Scan# 533
Delta R.T. 0.008 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:108 Resp: 321875

Ion	Ratio	Lower	Upper
108	100		
107	110.8	90.0	130.0
77	39.2	20.6	60.6

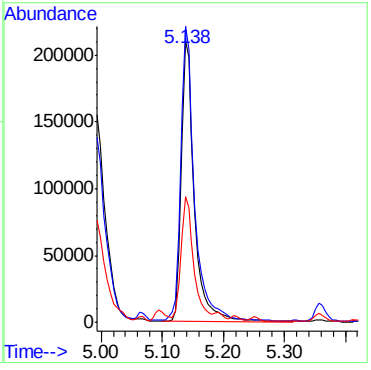


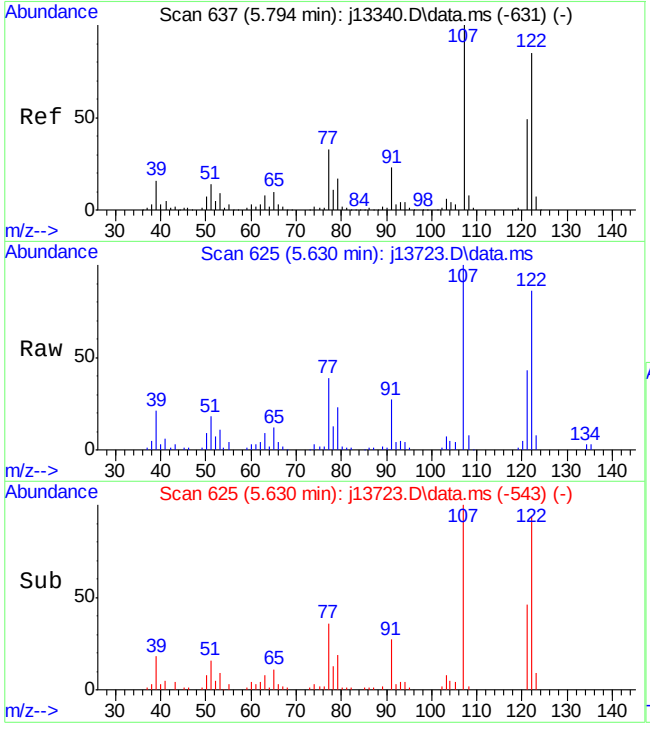


#17
m+p-Cresols
Concen: 13.76 ug/ml
RT: 5.138 min Scan# 533
Delta R.T. 0.008 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:108 Resp: 321875

Ion	Ratio	Lower	Upper
108	100		
107	110.8	90.0	130.0
77	39.2	20.6	60.6

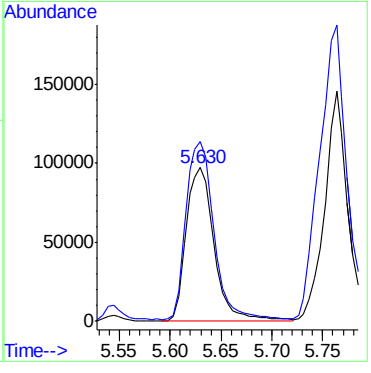


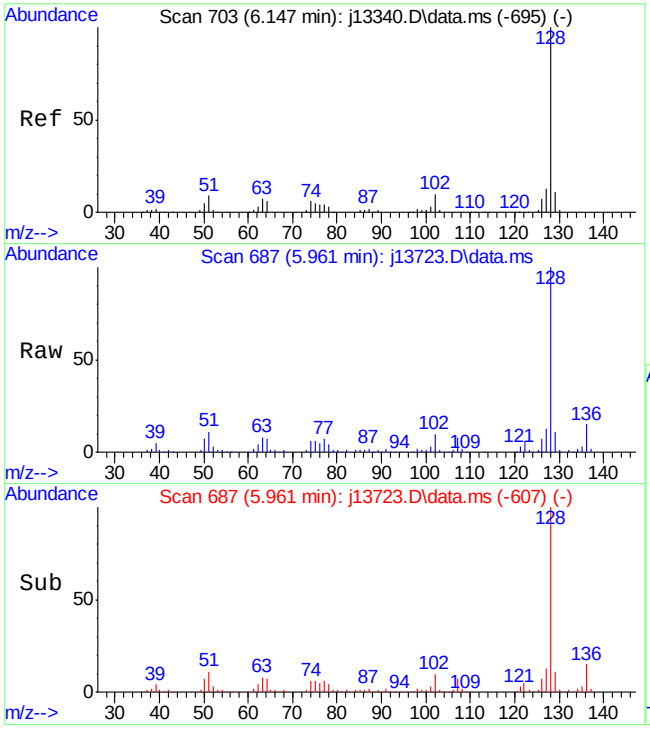


#25
2,4-Dimethylphenol
Concen: 9.53 ug/ml
RT: 5.630 min Scan# 625
Delta R.T. -0.063 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:122 Resp: 186672

Ion	Ratio	Lower	Upper
122	100		
107	118.2	96.7	136.7

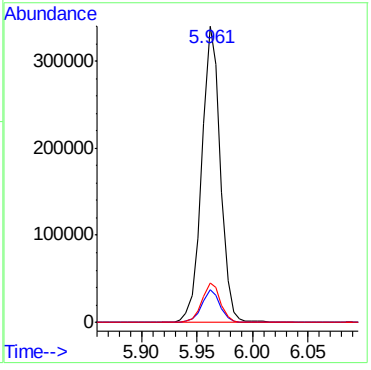


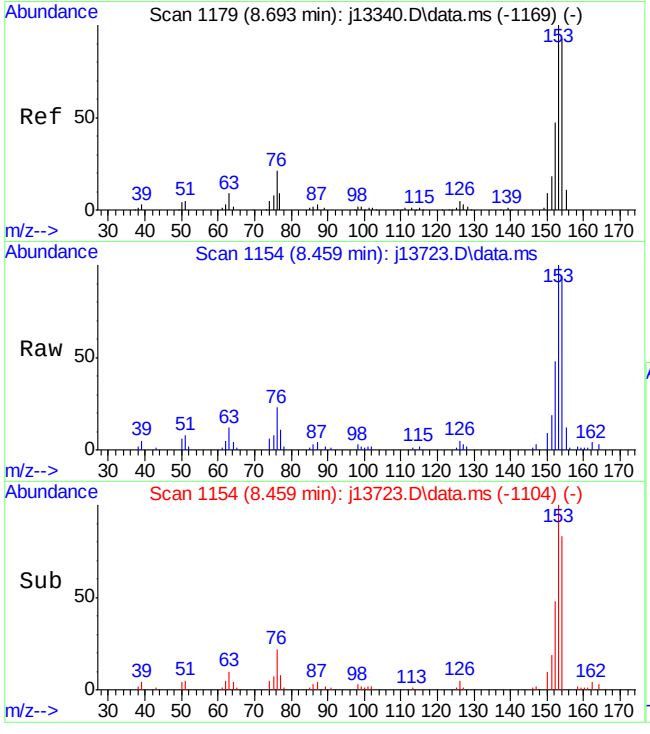


#30
Naphthalene
Concen: 5.79 ug/ml
RT: 5.961 min Scan# 687
Delta R.T. -0.073 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:128 Resp: 394153

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.2	0.0	33.4

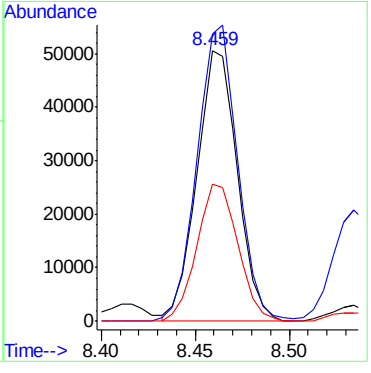


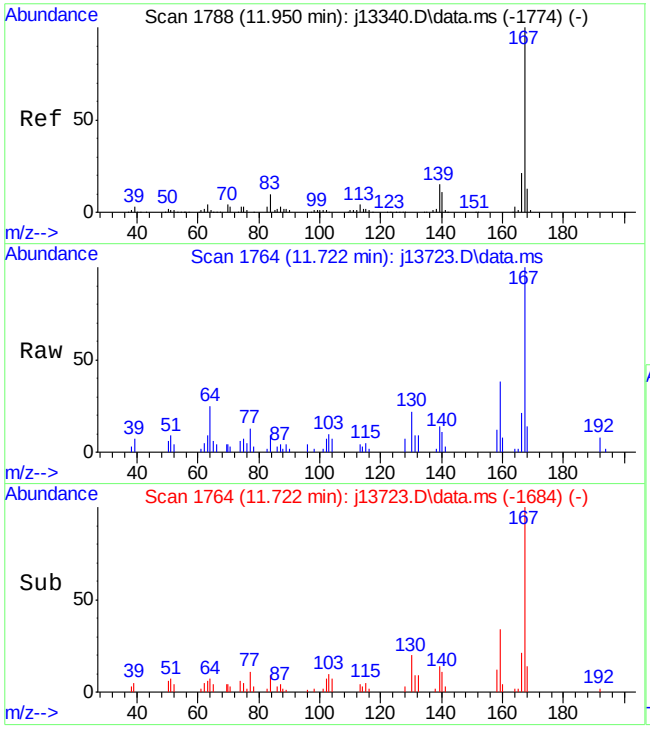


#47
Acenaphthene
Concen: 2.22 ug/ml
RT: 8.459 min Scan# 1154
Delta R.T. -0.234 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:154 Resp: 75279

Ion	Ratio	Lower	Upper
154	100		
153	109.6	87.9	127.9
152	51.4	31.3	71.3

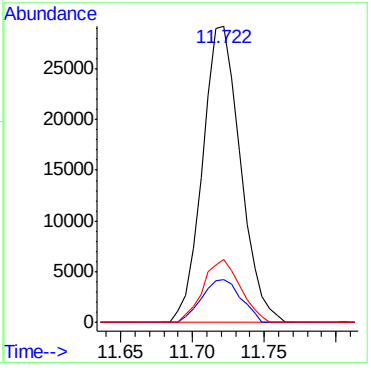




#68
Carbazole
Concen: 1.47 ug/ml
RT: 11.722 min Scan# 1764
Delta R.T. -0.072 min
Lab File: j13723.D
Acq: 9 Oct 2009 4:58 am

Tgt Ion:167 Resp: 53427

Ion	Ratio	Lower	Upper
167	100		
139	14.9	0.0	34.1
166	20.9	0.9	40.9



8.1.5
8

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/14/09 10:49

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13744.D
Acq On : 9 Oct 2009 6:59 pm
Operator : sheilac
Sample : t39187-3,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 15:49:53 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

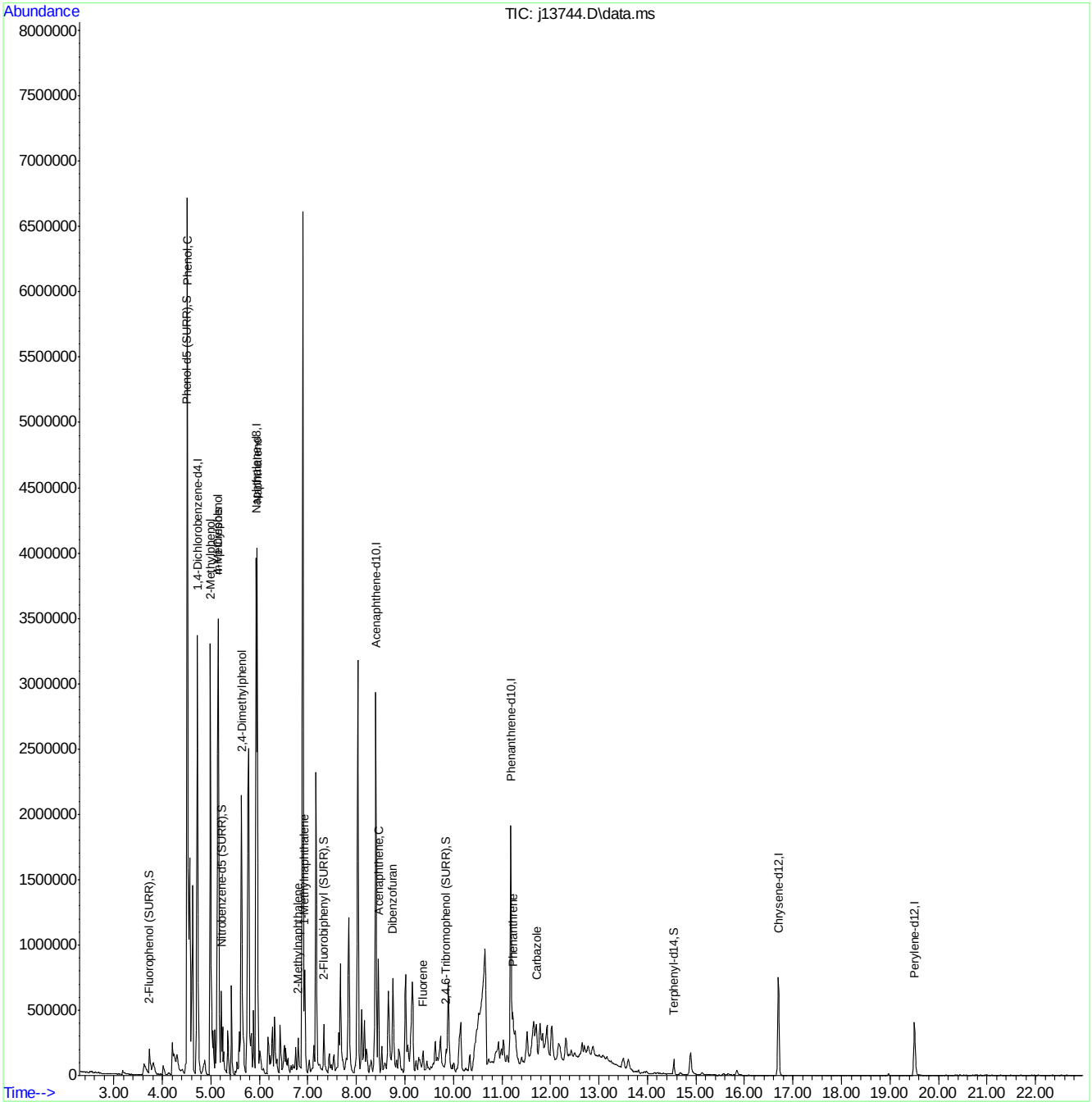
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	546861	40.00	ug/ml	0.00
20) Naphthalene-d8	5.935	136	1924056	40.00	ug/ml	-0.01
36) Acenaphthene-d10	8.400	164	935171	40.00	ug/ml	-0.02
57) Phenanthrene-d10	11.182	188	1086282	40.00	ug/ml	-0.02
71) Chrysene-d12	16.701	240	542583	40.00	ug/ml	-0.03
80) Perylene-d12	19.504	264	344550	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.731	112	87704	5.11	ug/ml	0.06
Spiked Amount 100.000	Range 10 - 66		Recovery	=	5.11%#	
5) Phenol-d5 (SURR)	4.507	99	71268	3.32	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	3.32%#	
21) Nitrobenzene-d5 (SURR)	5.213	82	76271	3.78	ug/ml	-0.09
Spiked Amount 50.000	Range 29 - 115		Recovery	=	7.56%#	
40) 2-Fluorobiphenyl (SURR)	7.331	172	135087	4.28	ug/ml	-0.21
Spiked Amount 50.000	Range 34 - 113		Recovery	=	8.56%#	
62) 2,4,6-Tribromophenol (...	9.850	330	25761	7.05	ug/ml	-0.11
Spiked Amount 100.000	Range 32 - 128		Recovery	=	7.05%#	
74) Terphenyl-d14	14.546	244	62426	4.82	ug/ml	-0.05
Spiked Amount 50.000	Range 12 - 145		Recovery	=	9.64%#	
Target Compounds						Qvalue
6) Phenol	4.517	94	4169054m	179.61	ug/ml	
14) 2-Methylphenol	4.988	108	812151	49.91	ug/ml	98
16) 4-Methylphenol	5.148	108	1251972	72.73	ug/ml	96
17) m+p-Cresols	5.148	108	1251972	72.73	ug/ml	96
25) 2,4-Dimethylphenol	5.635	122	716366	47.54	ug/ml	100
30) Naphthalene	5.956	128	1555807	29.69	ug/ml	100
34) 2-Methylnaphthalene	6.801	142	83306	2.60	ug/ml	99
35) 1-Methylnaphthalene	6.935	142	139756	4.17	ug/ml	93
47) Acenaphthene	8.454	154	280084	10.76	ug/ml	100
50) Dibenzofuran	8.753	168	112516m	3.03	ug/ml	
54) Fluorene	9.374	166	66060	2.04	ug/ml	97
66) Phenanthrene	11.224	178	136155	4.21	ug/ml	98
68) Carbazole	11.711	167	154325	6.15	ug/ml	98

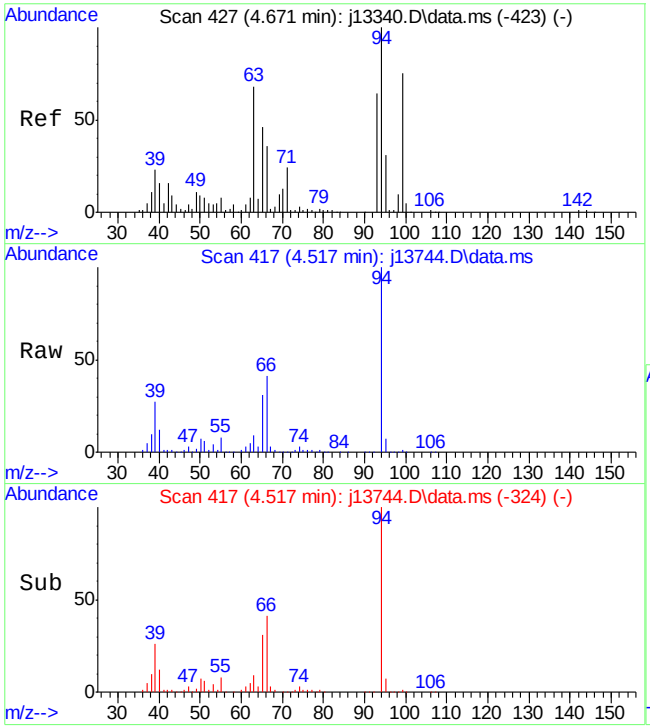
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13744.D
Acq On : 9 Oct 2009 6:59 pm
Operator : sheilac
Sample : t39187-3,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 15:49:53 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

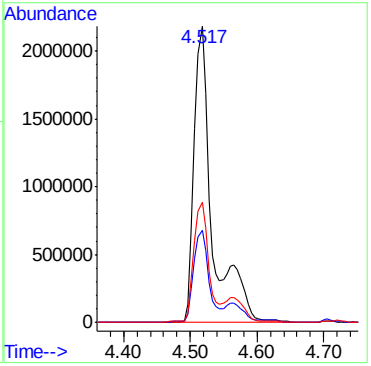


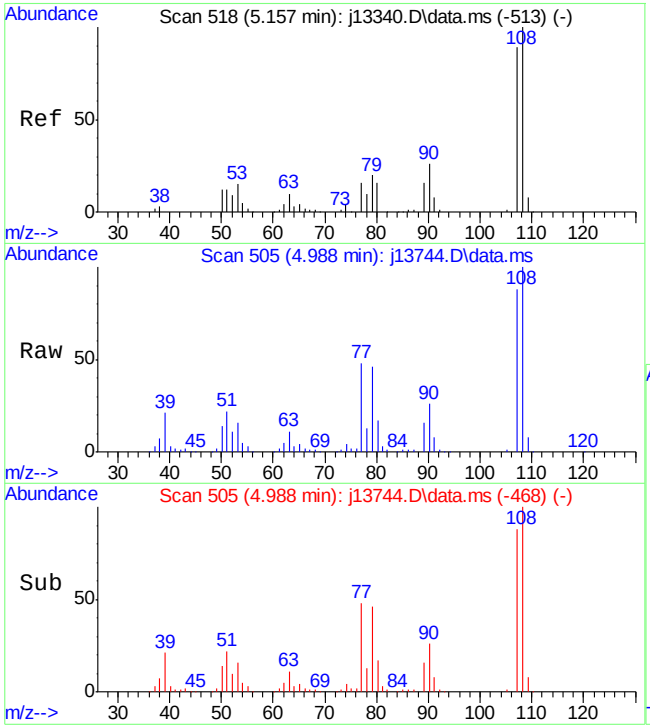


#6
Phenol
Concen: 179.61 ug/ml m
RT: 4.517 min Scan# 417
Delta R.T. -0.001 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion: 94 Resp: 4169054

Ion	Ratio	Lower	Upper
94	100		
65	25.3	35.3	75.3#
66	33.0	37.4	77.4#

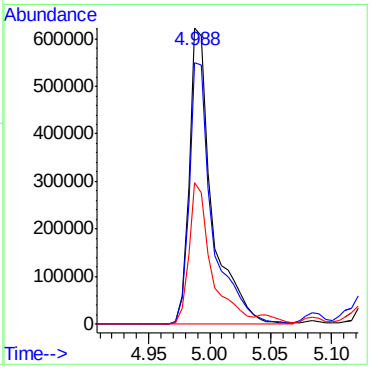


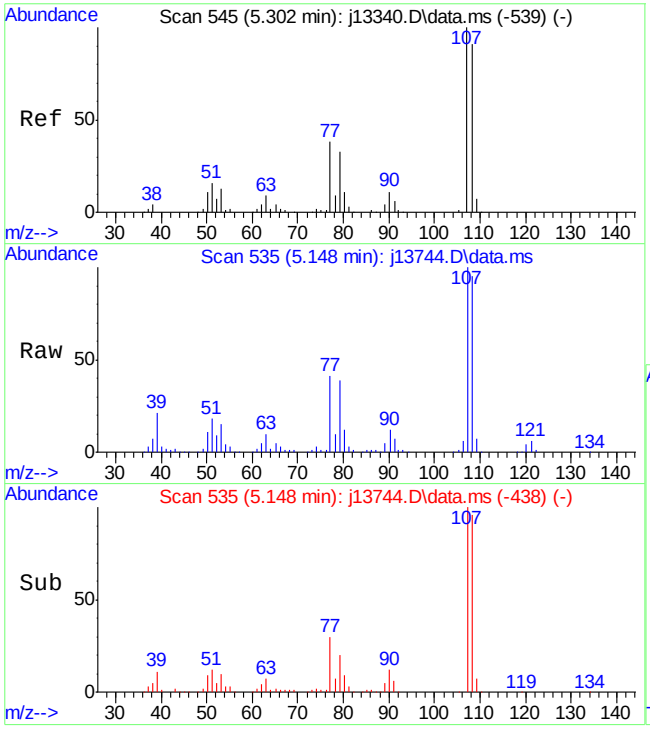


#14
2-Methylphenol
Concen: 49.91 ug/ml
RT: 4.988 min Scan# 505
Delta R.T. -0.004 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:108 Resp: 812151

Ion	Ratio	Lower	Upper
108	100		
107	89.6	69.0	109.0
77	47.4	30.1	70.1

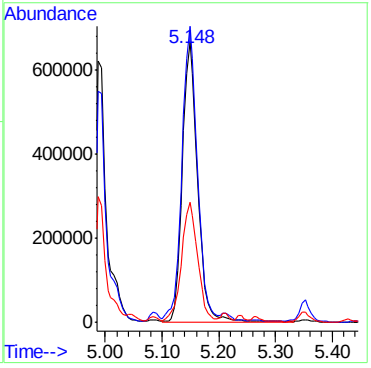


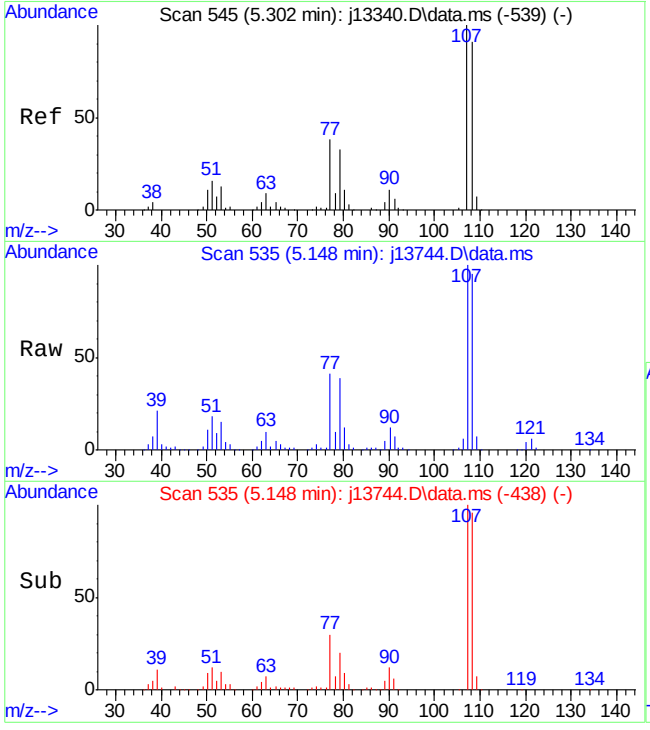


#16
4-Methylphenol
Concen: 72.73 ug/ml
RT: 5.148 min Scan# 535
Delta R.T. 0.019 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:108 Resp: 1251972

Ion	Ratio	Lower	Upper
108	100		
107	106.1	90.0	130.0
77	44.4	20.6	60.6

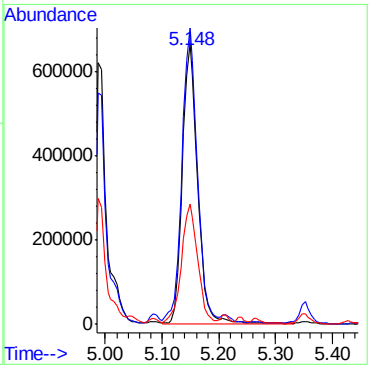


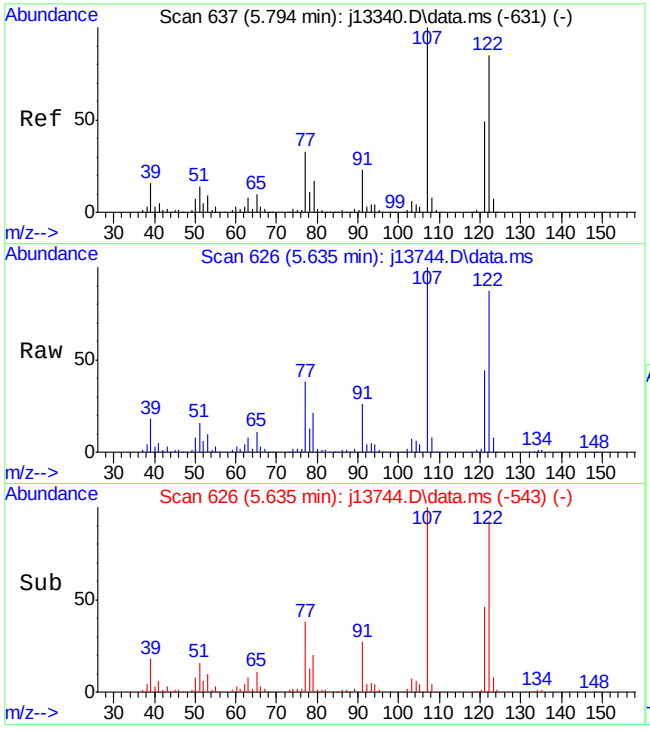


#17
m+p-Cresols
Concen: 72.73 ug/ml
RT: 5.148 min Scan# 535
Delta R.T. 0.019 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:108 Resp: 1251972

Ion	Ratio	Lower	Upper
108	100		
107	106.1	90.0	130.0
77	44.4	20.6	60.6

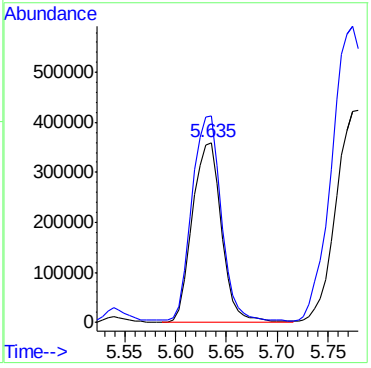


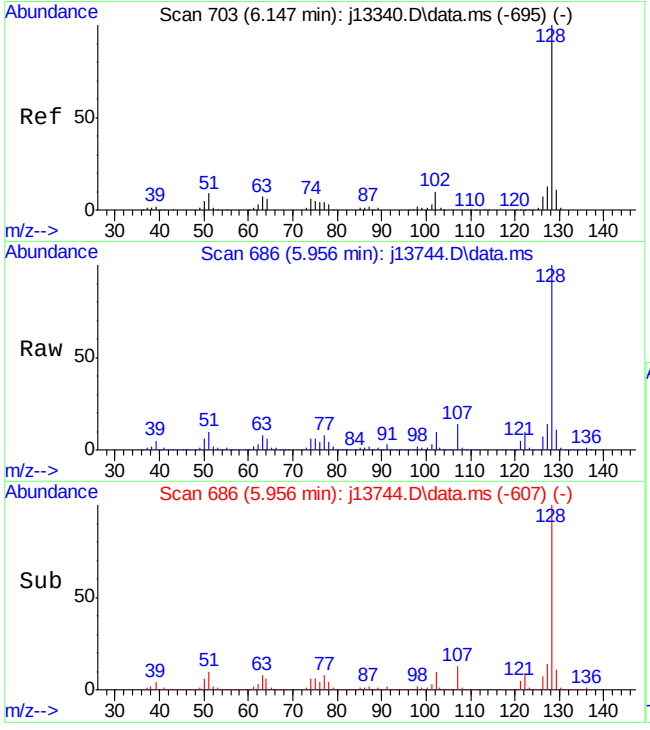


#25
2,4-Dimethylphenol
Concen: 47.54 ug/ml
RT: 5.635 min Scan# 626
Delta R.T. -0.058 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:122 Resp: 716366

Ion	Ratio	Lower	Upper
122	100		
107	116.3	96.7	136.7

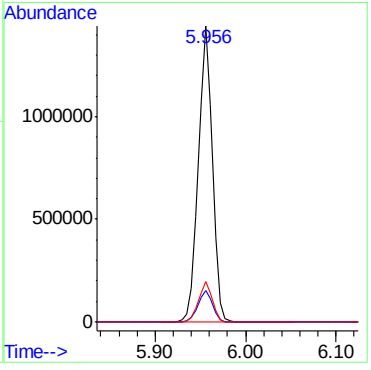


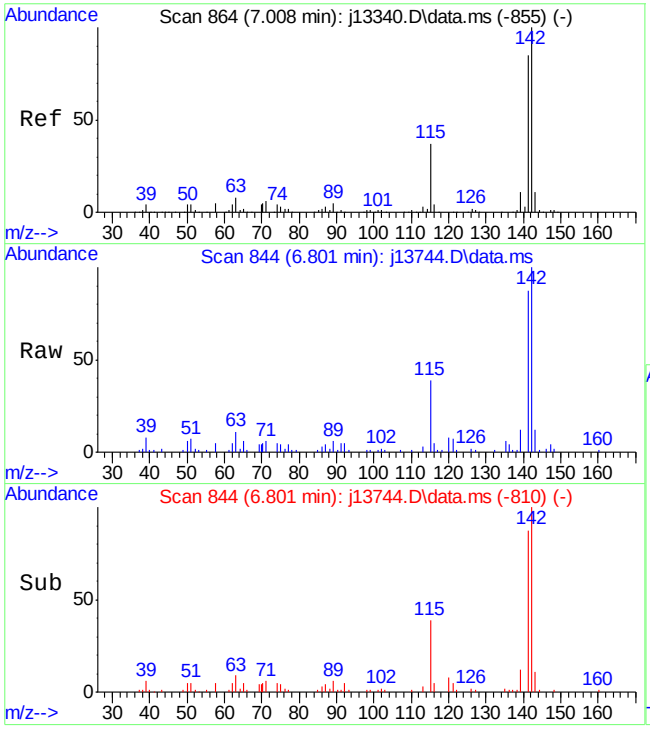


#30
Naphthalene
Concen: 29.69 ug/ml
RT: 5.956 min Scan# 686
Delta R.T. -0.078 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:128 Resp: 1555807

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.4	0.0	33.4

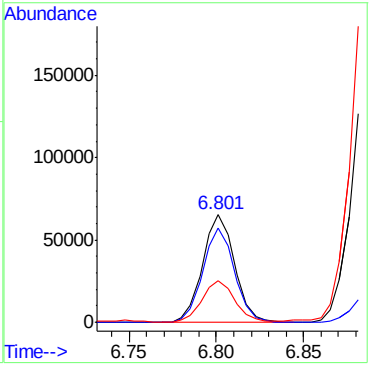


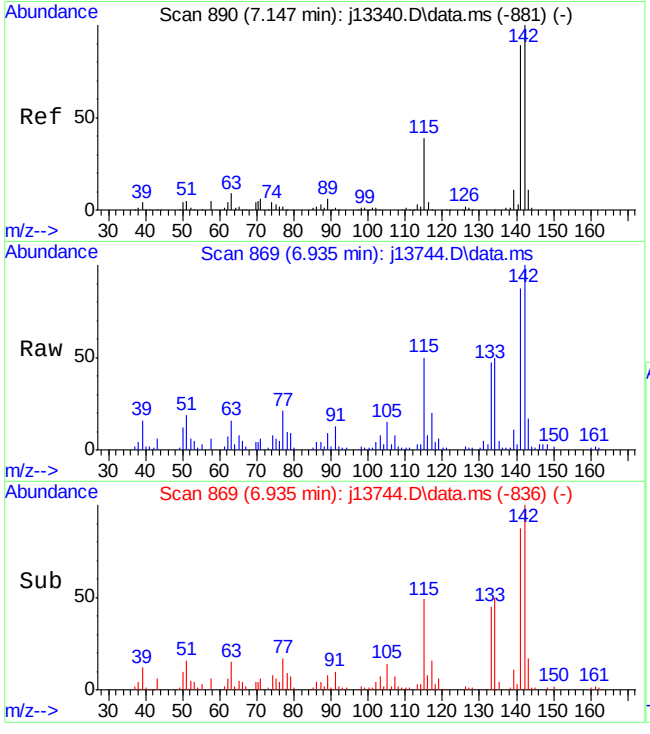


#34
2-Methylnaphthalene
Concen: 2.60 ug/ml
RT: 6.801 min Scan# 844
Delta R.T. -0.016 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:142 Resp: 83306

Ion	Ratio	Lower	Upper
142	100		
141	86.2	66.2	106.2
115	39.8	17.8	57.8

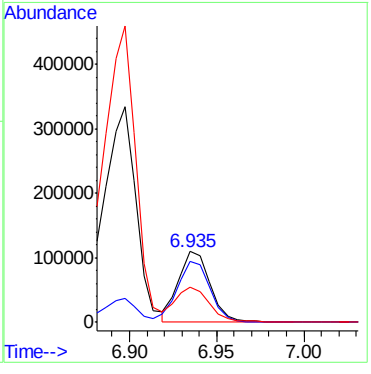


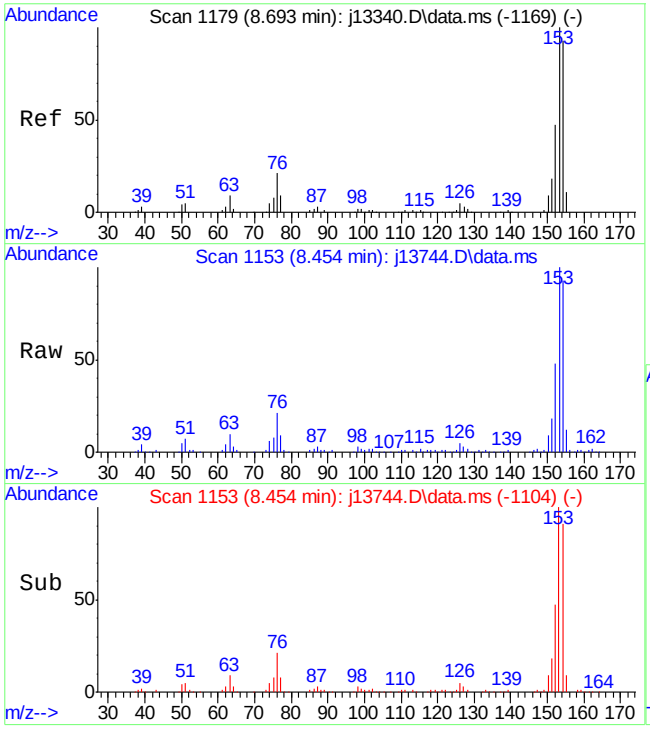


#35
1-Methylnaphthalene
Concen: 4.17 ug/ml
RT: 6.935 min Scan# 869
Delta R.T. -0.021 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:142 Resp: 139756

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.4	109.4
115	51.4	18.9	58.9

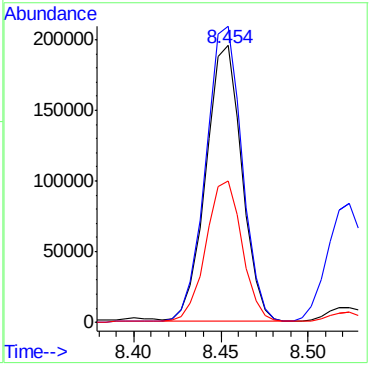


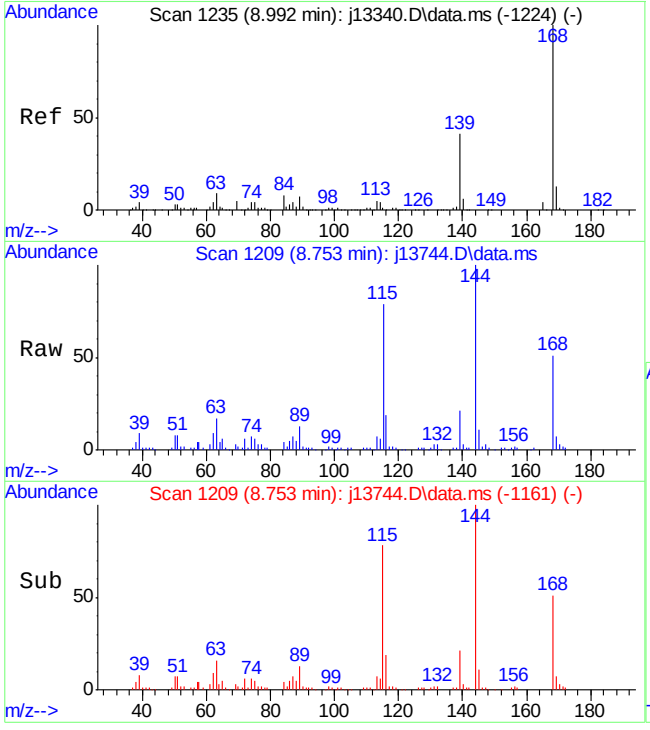


#47
Acenaphthene
Concen: 10.76 ug/ml
RT: 8.454 min Scan# 1153
Delta R.T. -0.239 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:154 Resp: 280084

Ion	Ratio	Lower	Upper
154	100		
153	107.9	87.9	127.9
152	51.2	31.3	71.3

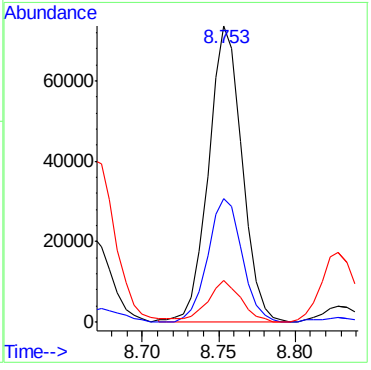


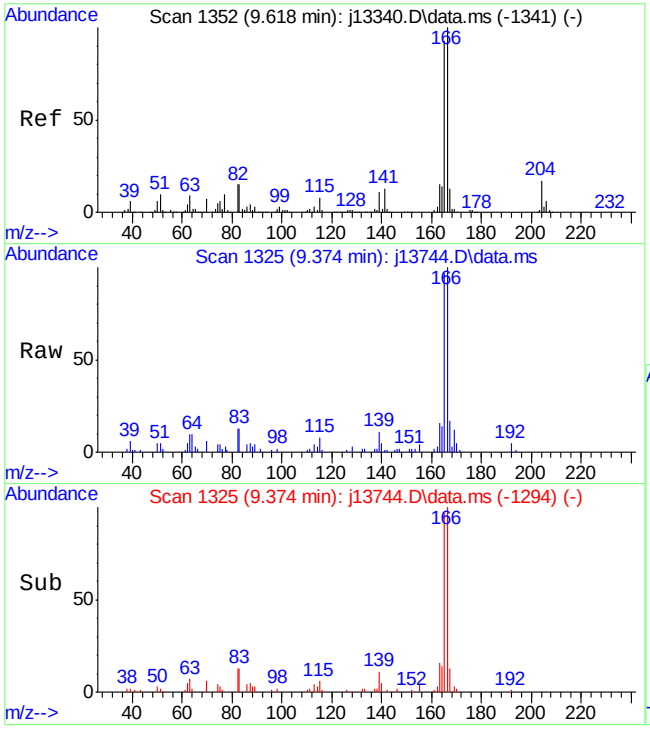


#50
Dibenzofuran
Concen: 3.03 ug/ml m
RT: 8.753 min Scan# 1209
Delta R.T. -0.245 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:168 Resp: 112516

Ion	Ratio	Lower	Upper
168	100		
139	0.0	21.2	61.2#
169	0.0	0.0	33.2

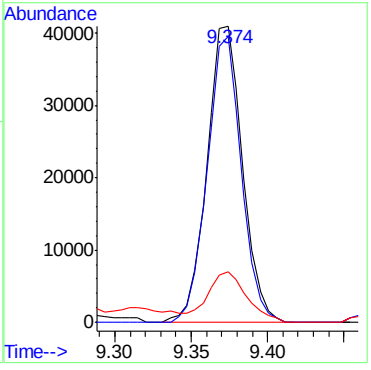


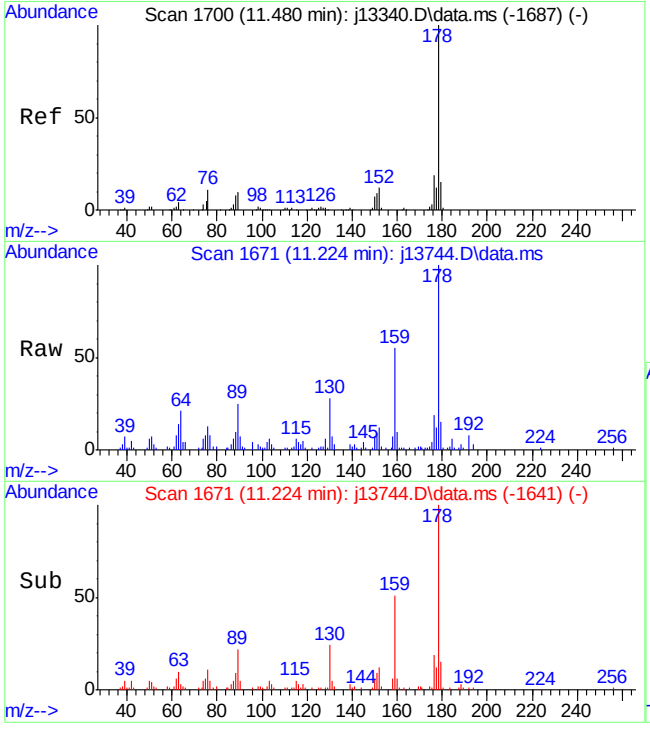


#54
Fluorene
Concen: 2.04 ug/ml
RT: 9.374 min Scan# 1325
Delta R.T. -0.032 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:166 Resp: 66060

Ion	Ratio	Lower	Upper
166	100		
165	92.7	73.8	113.8
167	19.2	0.0	33.3

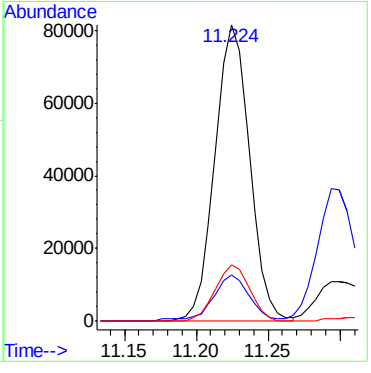


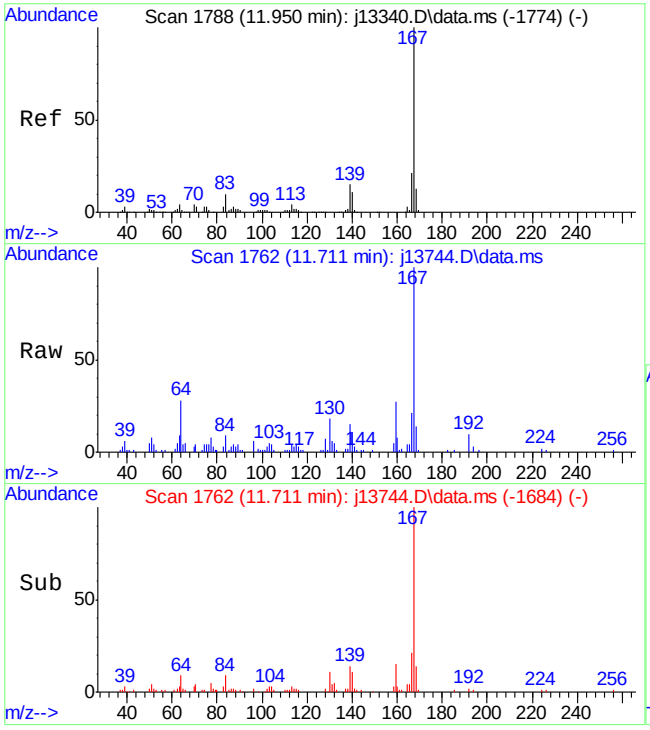


#66
Phenanthrene
Concen: 4.21 ug/ml
RT: 11.224 min Scan# 1671
Delta R.T. -0.037 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:178 Resp: 136155

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	35.2
176	18.9	0.0	39.2

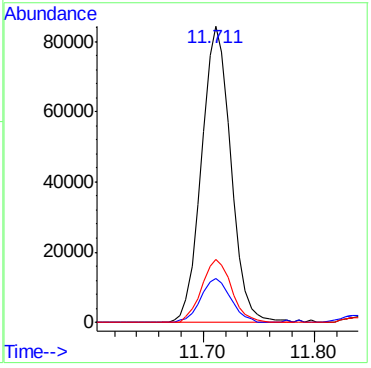




#68
Carbazole
Concen: 6.15 ug/ml
RT: 11.711 min Scan# 1762
Delta R.T. -0.082 min
Lab File: j13744.D
Acq: 9 Oct 2009 6:59 pm

Tgt Ion:167 Resp: 154325

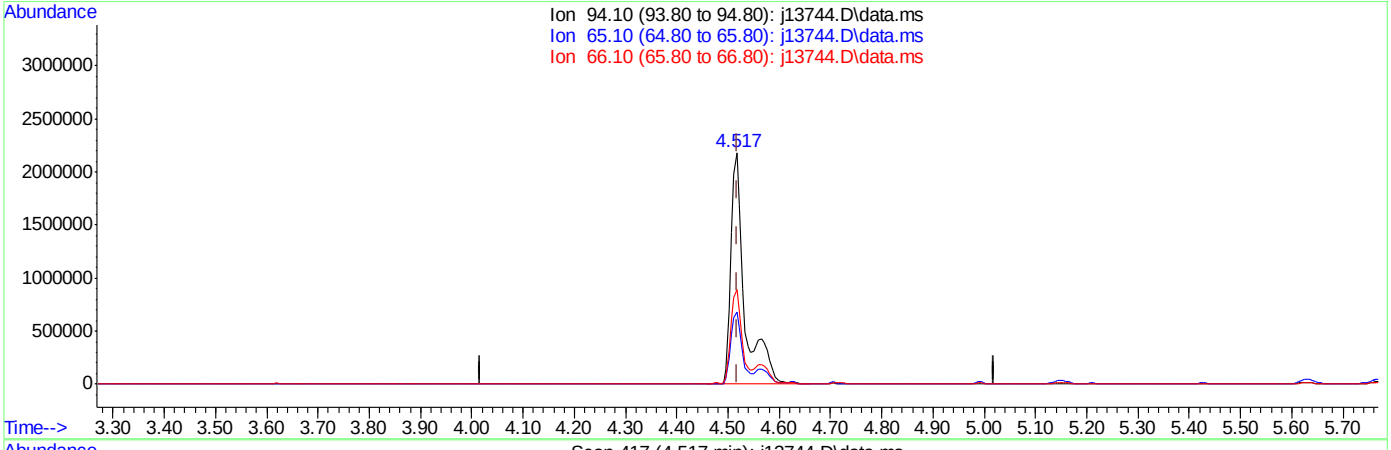
Ion	Ratio	Lower	Upper
167	100		
139	15.0	0.0	34.1
166	21.5	0.9	40.9

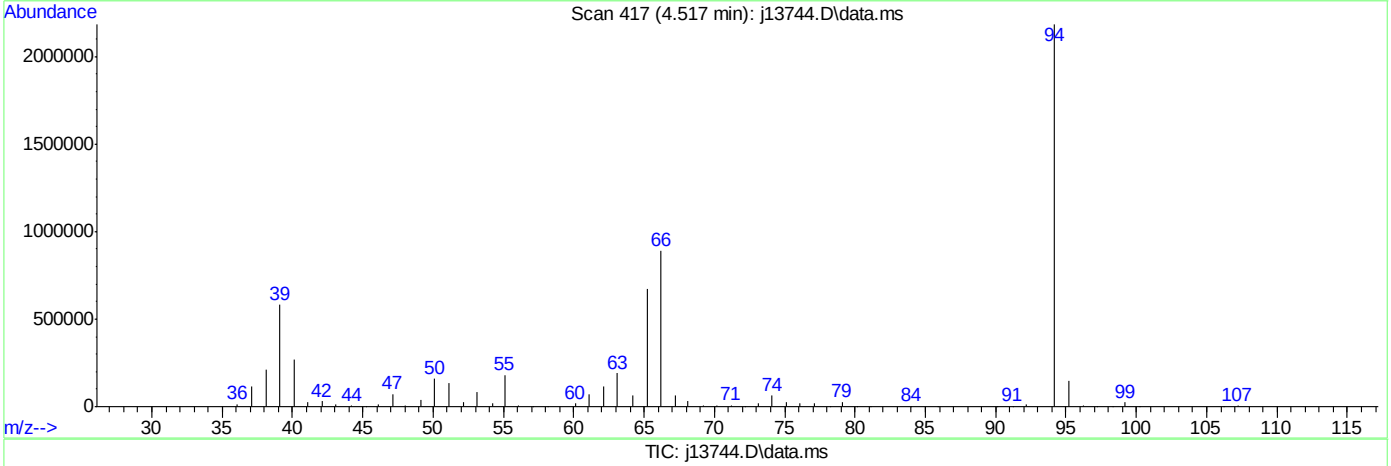


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13744.D
Acq On : 9 Oct 2009 6:59 pm
Operator : sheilac
Sample : t39187-3,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 15:49:53 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13744.D\data.ms

(6) Phenol (C)

4.517min (-0.001) 179.61ug/ml m

response 4169054

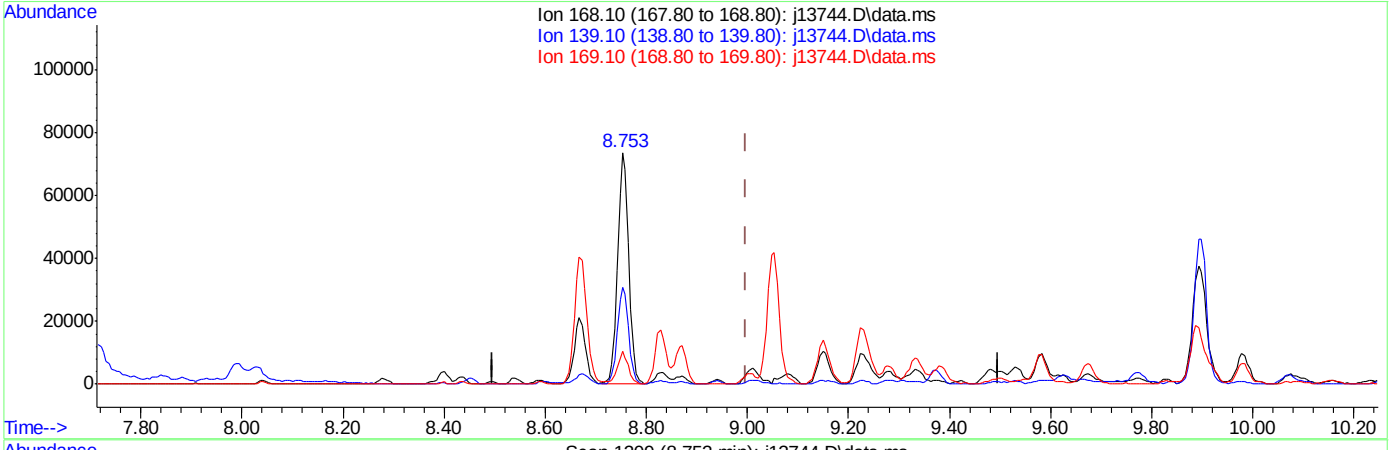
Ion	Exp%	Act%
94.10	100	100
65.10	55.30	25.31#
66.10	57.40	33.03#
0.00	0.00	0.00

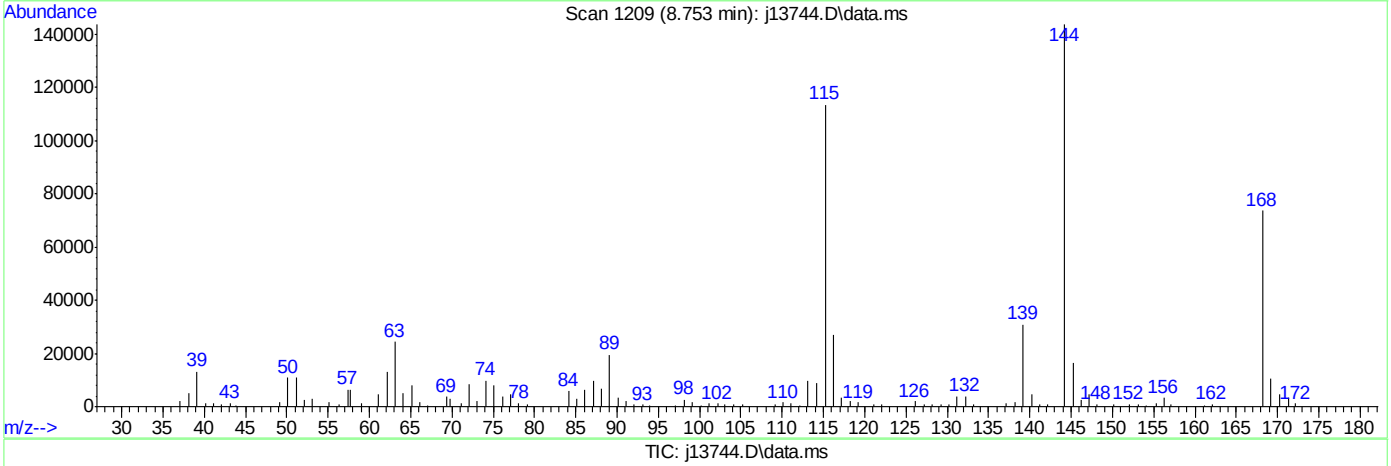
ACCUTEST Laboratories

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13744.D
Acq On : 9 Oct 2009 6:59 pm
Operator : sheilac
Sample : t39187-3,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 15:49:53 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13744.D\data.ms

(50) Dibenzofuran

8.753min (-0.245) 3.03ug/ml m

response 112516

Ion	Exp%	Act%
168.10	100	100
139.10	41.20	0.00#
169.10	13.20	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/14/09 10:49

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 15:12:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

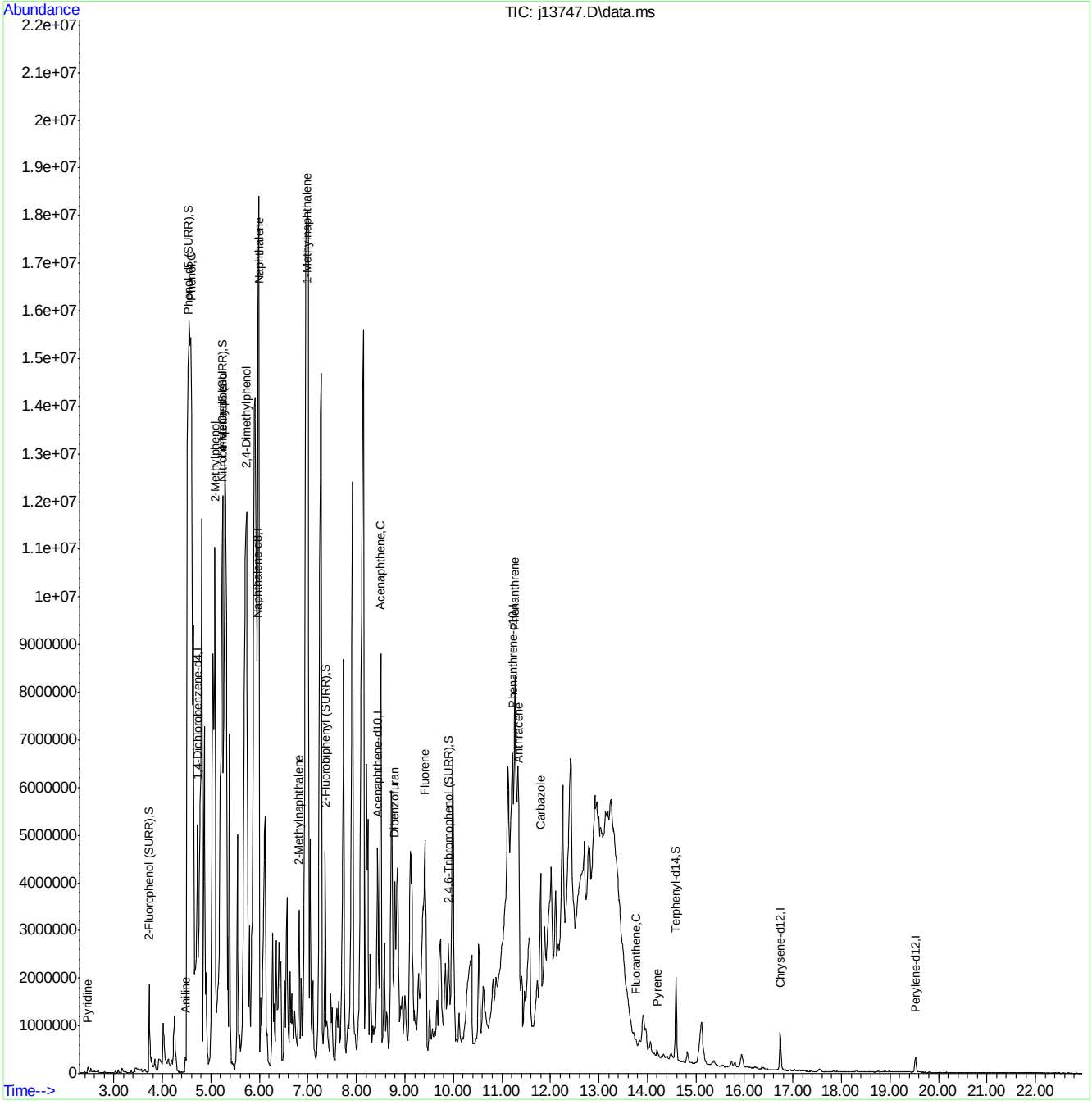
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	505388	40.00	ug/ml	0.00
20) Naphthalene-d8	5.951	136	2054945	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.433	164	971136	40.00	ug/ml	0.02
57) Phenanthrene-d10	11.219	188	1390601	40.00	ug/ml	0.02
71) Chrysene-d12	16.739	240	567701	40.00	ug/ml	0.00
80) Perylene-d12	19.526	264	260349	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.726	112	770662	48.59	ug/ml	0.05
Spiked Amount 100.000	Range 10 - 66		Recovery = 48.59%			
5) Phenol-d5 (SURR)	4.539	99	379472	19.14	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 53		Recovery = 19.14%			
21) Nitrobenzene-d5 (SURR)	5.234	82	881730m	40.92	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery = 81.84%			
40) 2-Fluorobiphenyl (SURR)	7.357	172	1482038	37.66	ug/ml	-0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 75.32%			
62) 2,4,6-Tribromophenol (...	9.903	330	353091	75.46	ug/ml	-0.06
Spiked Amount 100.000	Range 32 - 128		Recovery = 75.46%			
74) Terphenyl-d14	14.589	244	875549	64.59	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 129.18%			
Target Compounds						Qvalue
3) Pyridine	2.458	79	63511	4.24	ug/ml	92
6) Phenol	4.592	94	40529392m	1889.37	ug/ml	
7) Aniline	4.475	93	168143	8.78	ug/ml	94
14) 2-Methylphenol	5.084	108	8122361m	540.13	ug/ml	
16) 4-Methylphenol	5.239	108	13601257m	854.99	ug/ml	
17) m+p-Cresols	5.239	108	13601257m	854.99	ug/ml	
25) 2,4-Dimethylphenol	5.731	122	8111520	504.06	ug/ml	94
30) Naphthalene	5.988	128	15147297	270.64	ug/ml	99
34) 2-Methylnaphthalene	6.817	142	869953	25.44	ug/ml	100
35) 1-Methylnaphthalene	6.978	142	1777870m	49.64	ug/ml	
47) Acenaphthene	8.502	154	3435640	127.15	ug/ml	100
50) Dibenzofuran	8.791	168	1290939	33.45	ug/ml	99
54) Fluorene	9.411	166	845481	25.13	ug/ml	96
66) Phenanthrene	11.267	178	1969168	47.53	ug/ml	99
67) Anthracene	11.348	178	483497m	12.12	ug/ml	
68) Carbazole	11.797	167	2184358	68.01	ug/ml	99
70) Fluoranthene	13.765	202	73332	1.95	ug/ml	96
73) Pyrene	14.193	202	57967	2.90	ug/ml	83

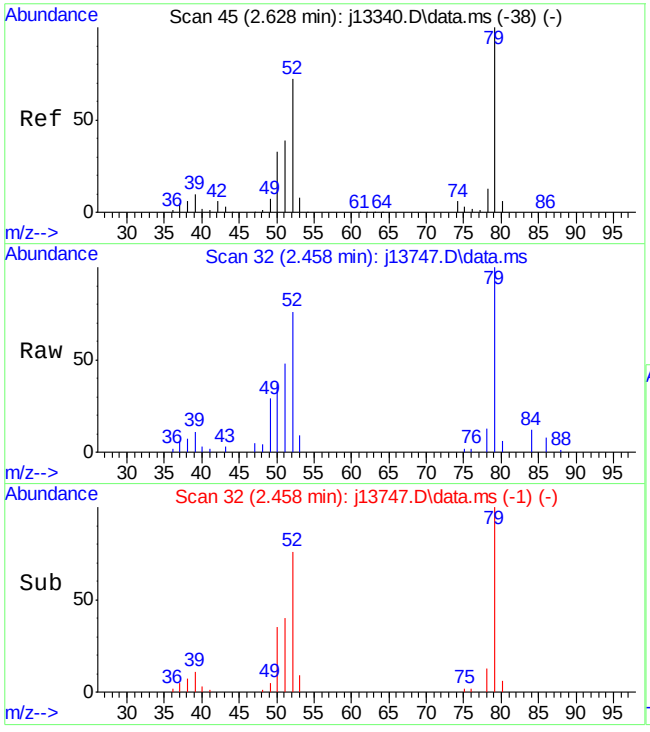
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 15:12:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

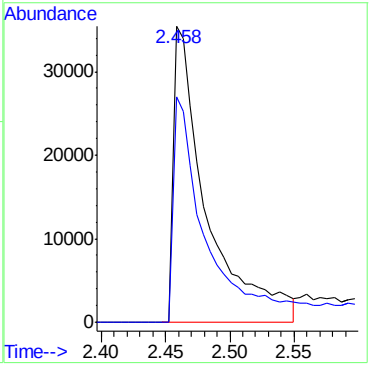


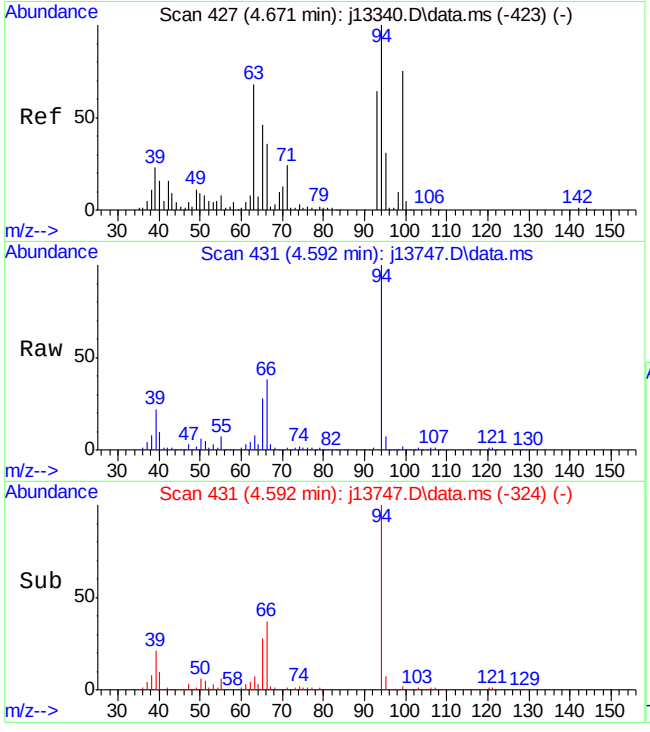


#3
Pyridine
Concen: 4.24 ug/ml
RT: 2.458 min Scan# 32
Delta R.T. 0.026 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion: 79 Resp: 63511

Ion	Ratio	Lower	Upper
79	100		
52	78.9	52.6	92.6

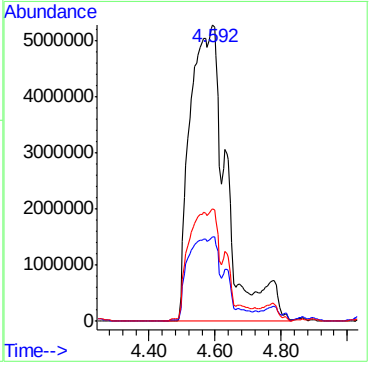


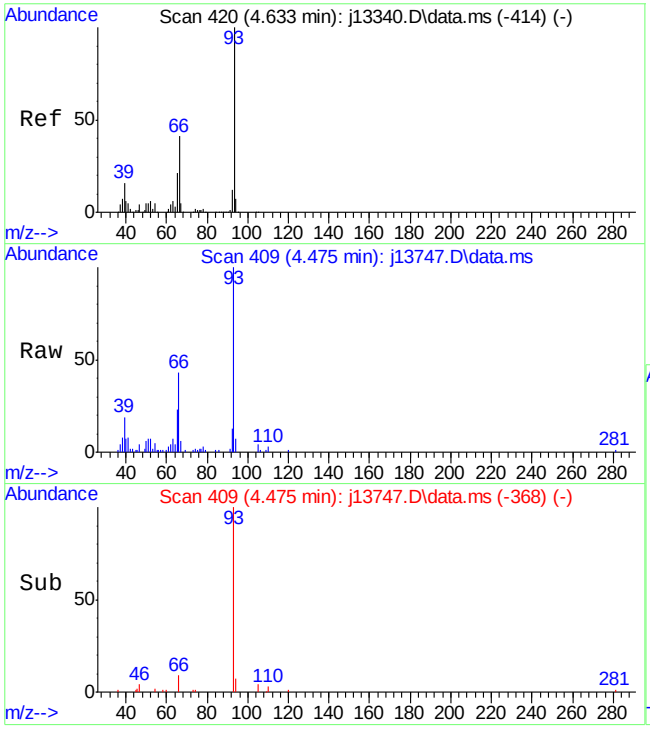


#6
Phenol
Concen: 1889.37 ug/ml m
RT: 4.592 min Scan# 431
Delta R.T. 0.074 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion: 94 Resp:40529392

Ion	Ratio	Lower	Upper
94	100		
65	0.0	35.3	75.3#
66	0.0	37.4	77.4#

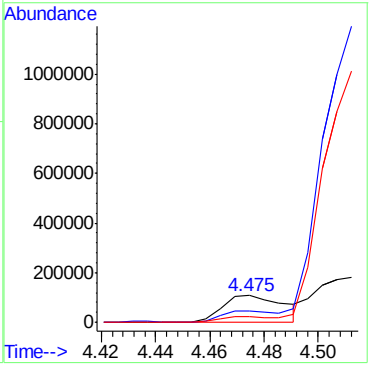


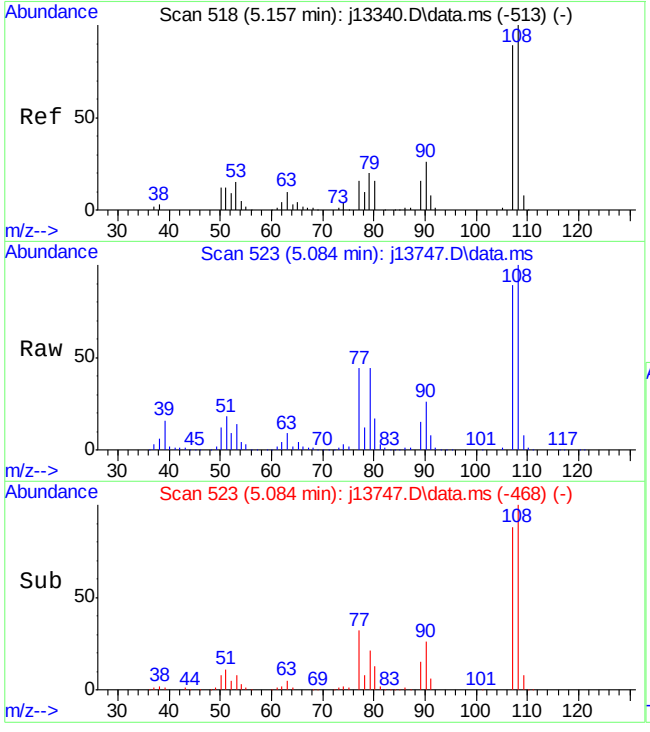


#7
Aniline
Concen: 8.78 ug/ml
RT: 4.475 min Scan# 409
Delta R.T. 0.020 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion: 93 Resp: 168143

Ion	Ratio	Lower	Upper
93	100		
66	36.8	21.2	61.2
65	19.4	2.0	42.0

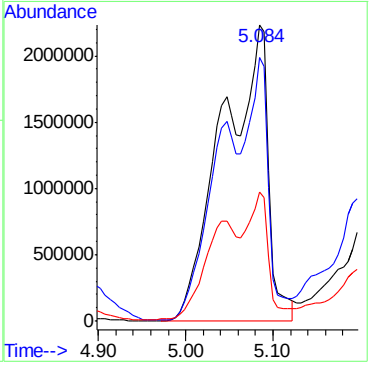


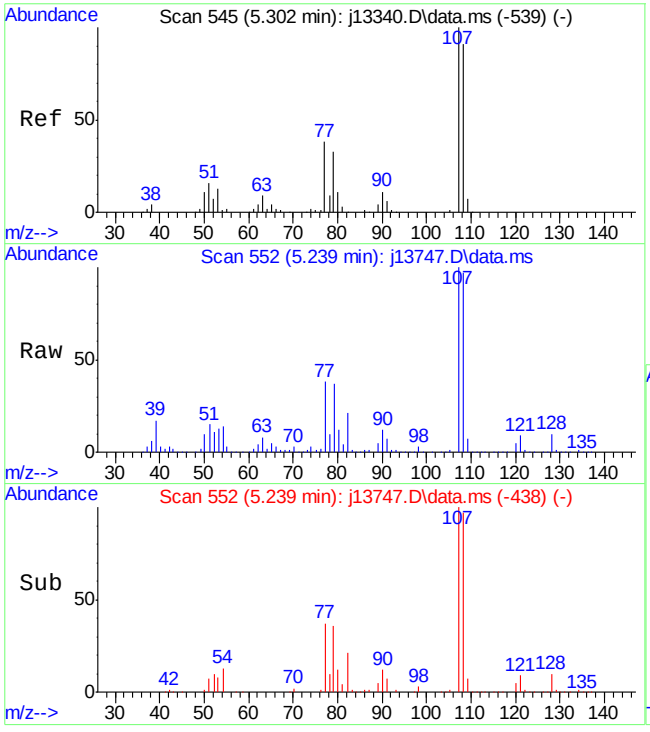


#14
2-Methylphenol
Concen: 540.13 ug/ml m
RT: 5.084 min Scan# 523
Delta R.T. 0.092 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:108 Resp: 8122361

Ion	Ratio	Lower	Upper
108	100		
107	47.8	69.0	109.0#
77	25.4	30.1	70.1#

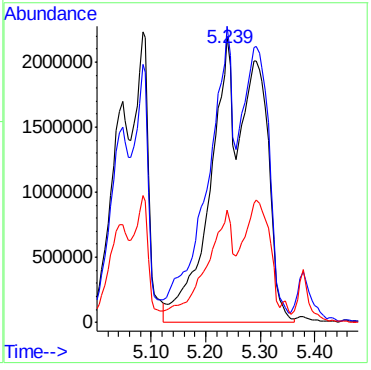


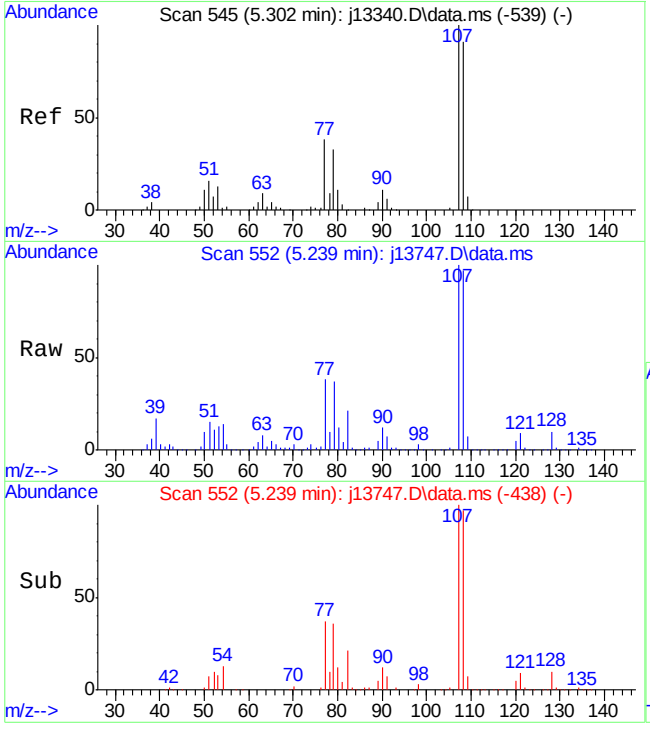


#16
4-Methylphenol
Concen: 854.99 ug/ml m
RT: 5.239 min Scan# 552
Delta R.T. 0.110 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:108 Resp:13601257

Ion	Ratio	Lower	Upper
108	100		
107	47.6	90.0	130.0#
77	21.0	20.6	60.6

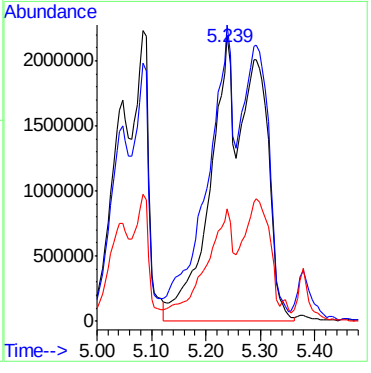


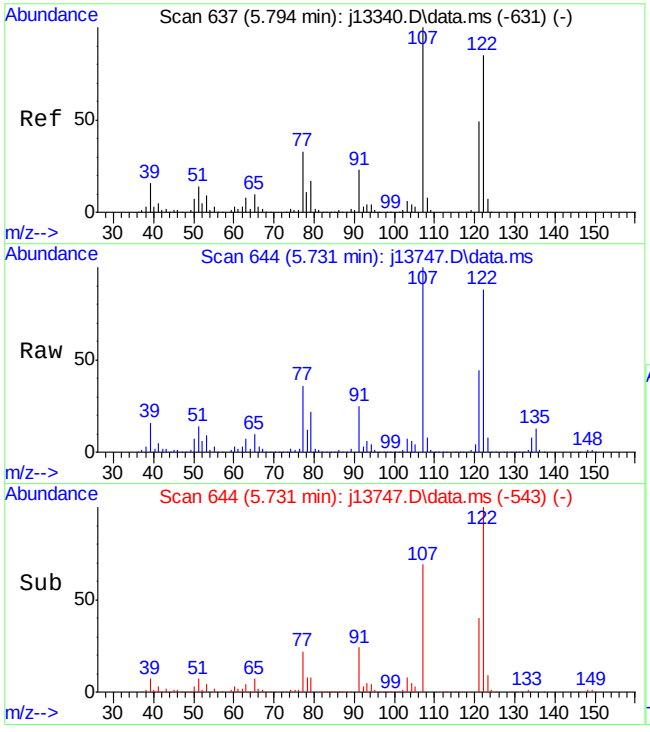


#17
m+p-Cresols
Concen: 854.99 ug/ml m
RT: 5.239 min Scan# 552
Delta R.T. 0.110 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:108 Resp:13601257

Ion	Ratio	Lower	Upper
108	100		
107	47.6	90.0	130.0#
77	21.0	20.6	60.6

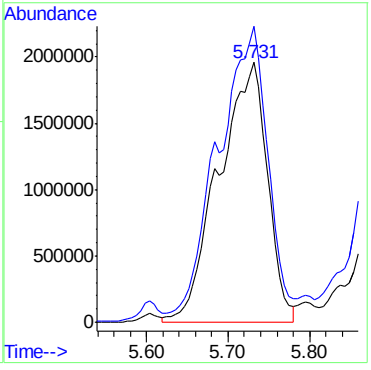


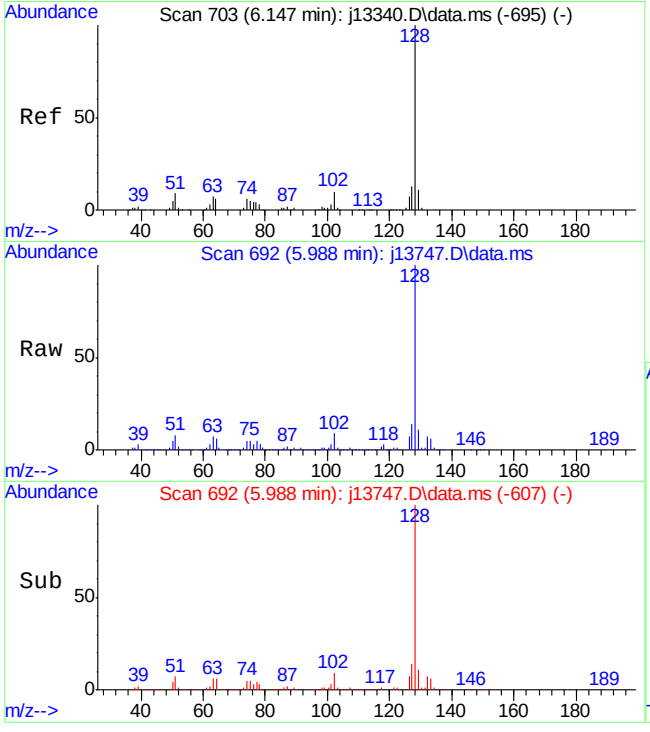


#25
2,4-Dimethylphenol
Concen: 504.06 ug/ml
RT: 5.731 min Scan# 644
Delta R.T. 0.038 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:122 Resp: 8111520

Ion	Ratio	Lower	Upper
122	100		
107	109.8	96.7	136.7

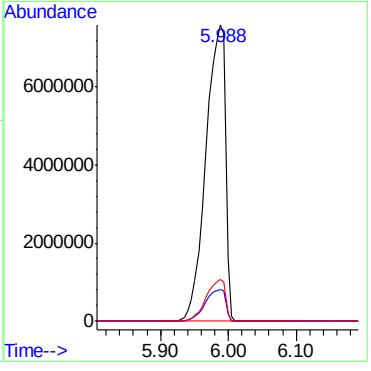


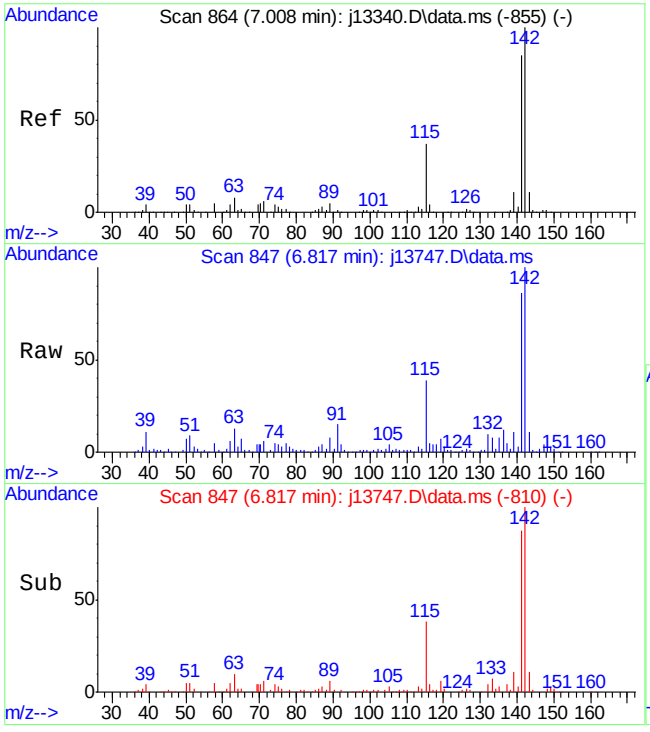


#30
Naphthalene
Concen: 270.64 ug/ml
RT: 5.988 min Scan# 692
Delta R.T. -0.046 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:128 Resp:15147297

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	30.9
127	13.8	0.0	33.4

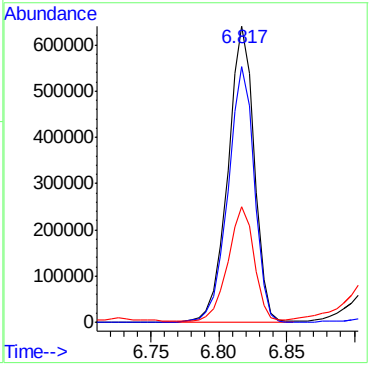


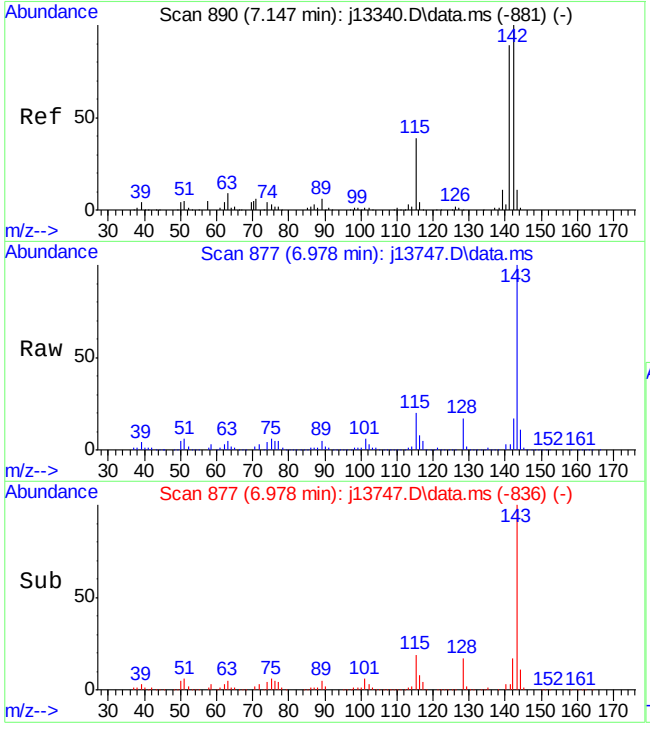


#34
2-Methylnaphthalene
Concen: 25.44 ug/ml
RT: 6.817 min Scan# 847
Delta R.T. 0.000 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:142 Resp: 869953

Ion	Ratio	Lower	Upper
142	100		
141	86.2	66.2	106.2
115	38.3	17.8	57.8

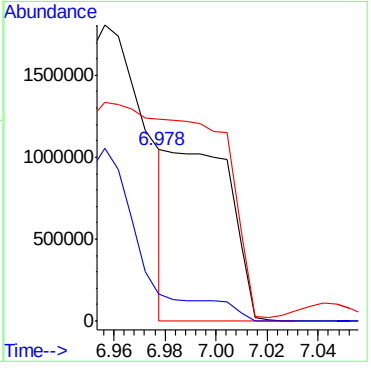


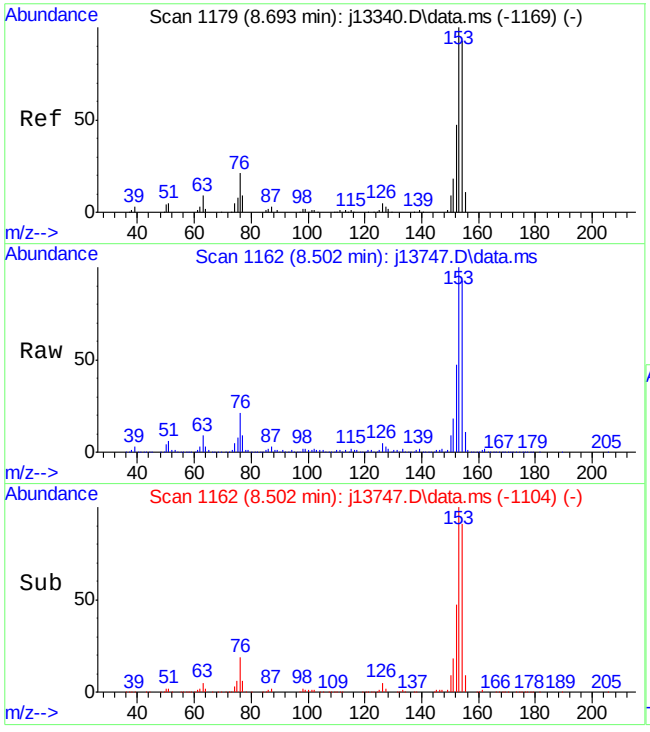


#35
1-Methylnaphthalene
Concen: 49.64 ug/ml m
RT: 6.978 min Scan# 877
Delta R.T. 0.022 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:142 Resp: 1777870

Ion	Ratio	Lower	Upper
142	100		
141	42.1	69.4	109.4#
115	18.7	18.9	58.9#

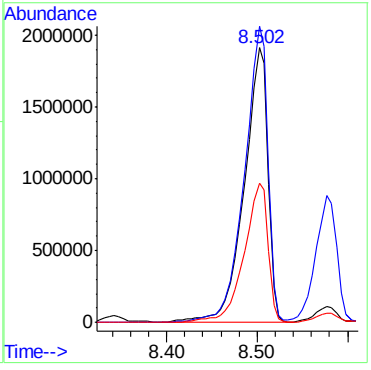


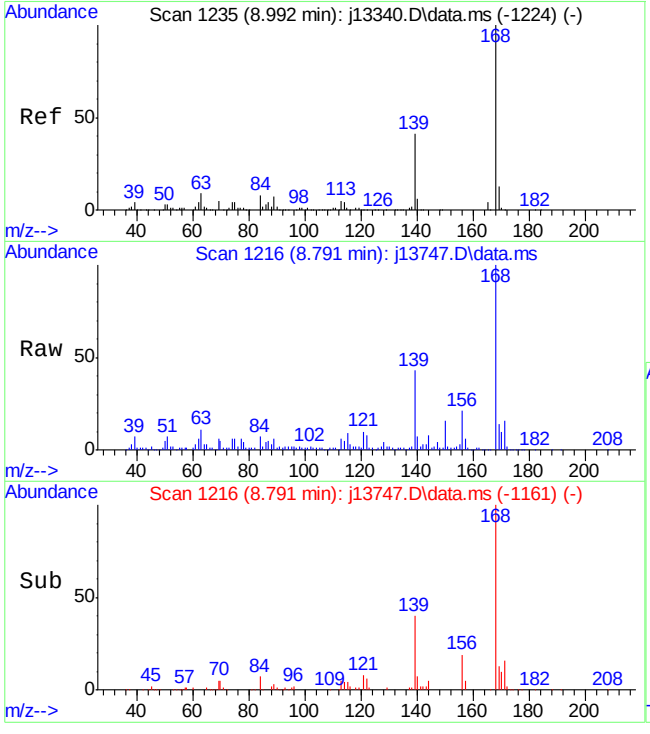


#47
Acenaphthene
Concen: 127.15 ug/ml
RT: 8.502 min Scan# 1162
Delta R.T. -0.191 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:154 Resp: 3435640

Ion	Ratio	Lower	Upper
154	100		
153	107.7	87.9	127.9
152	51.3	31.3	71.3

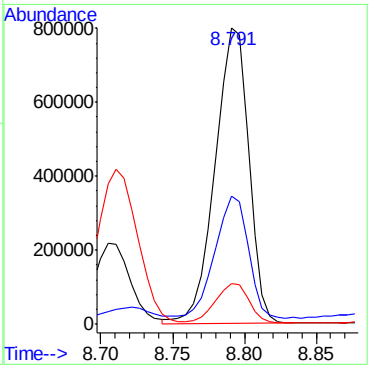


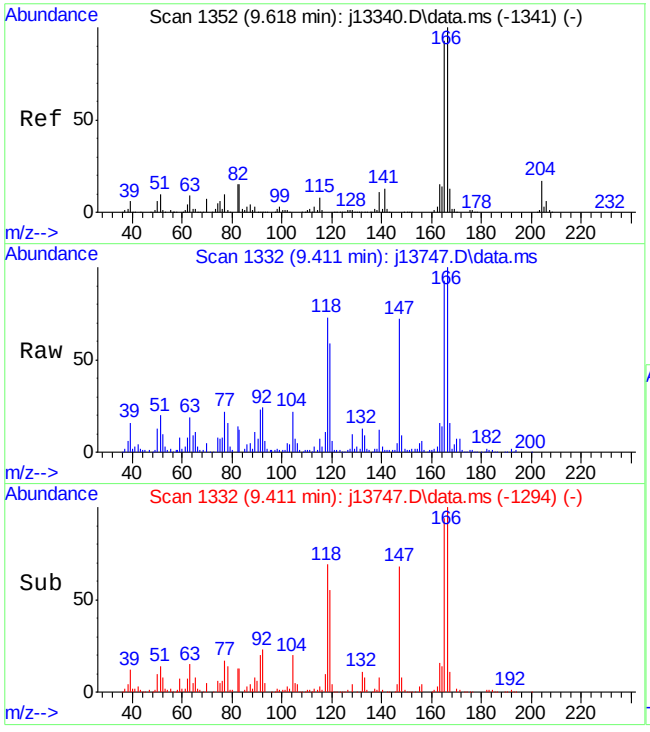


#50
Dibenzofuran
Concen: 33.45 ug/ml
RT: 8.791 min Scan# 1216
Delta R.T. -0.207 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:168 Resp: 1290939

Ion	Ratio	Lower	Upper
168	100		
139	40.8	21.2	61.2
169	13.9	0.0	33.2

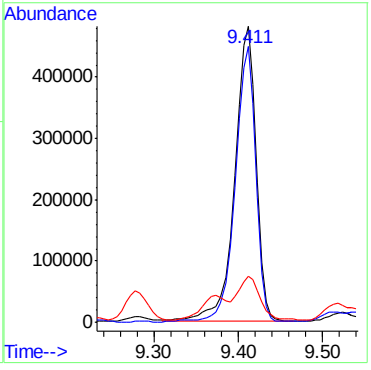


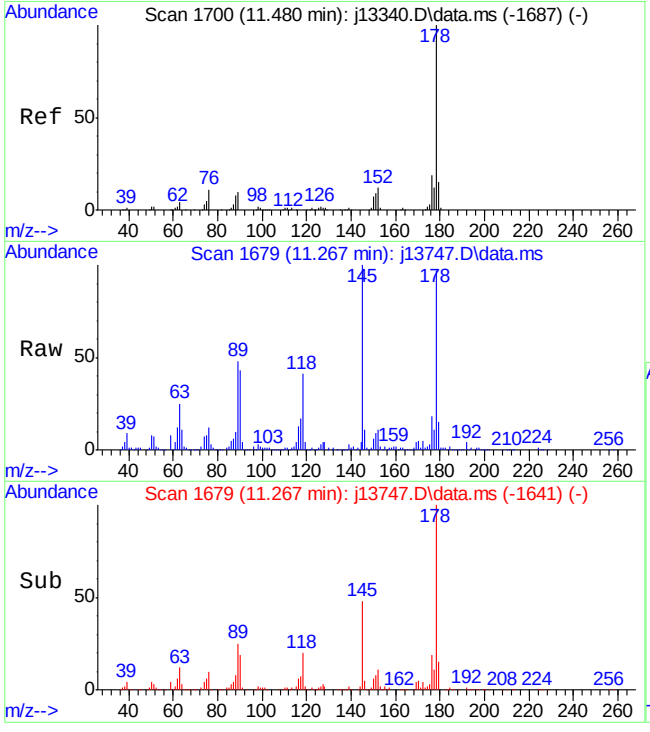


#54
Fluorene
Concen: 25.13 ug/ml
RT: 9.411 min Scan# 1332
Delta R.T. 0.005 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:166 Resp: 845481

Ion	Ratio	Lower	Upper
166	100		
165	89.5	73.8	113.8
167	15.0	0.0	33.3

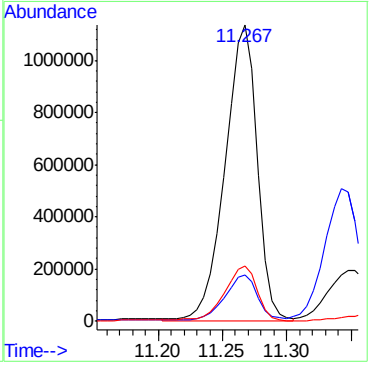


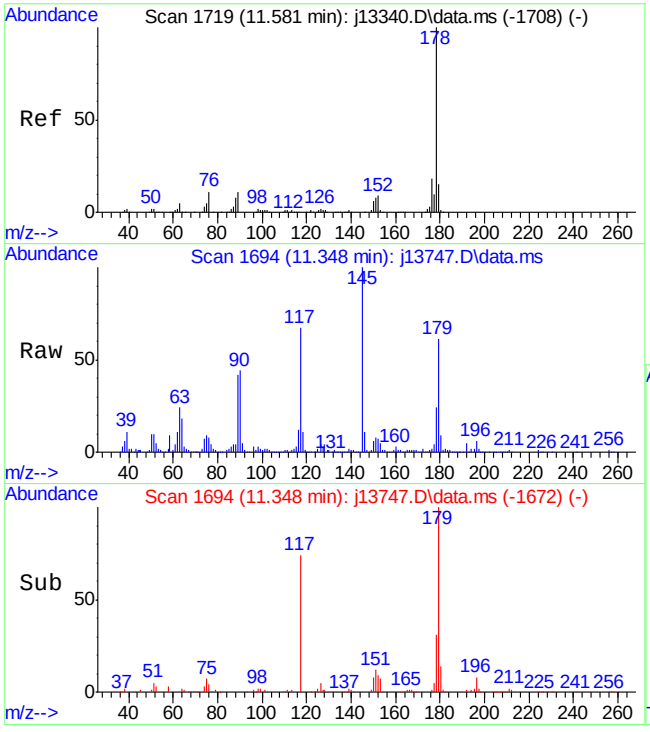


#66
Phenanthrene
Concen: 47.53 ug/ml
RT: 11.267 min Scan# 1679
Delta R.T. 0.006 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:178 Resp: 1969168

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	35.2
176	19.1	0.0	39.2

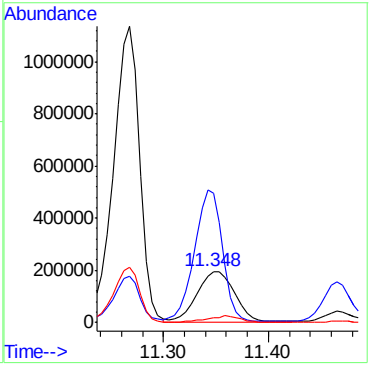


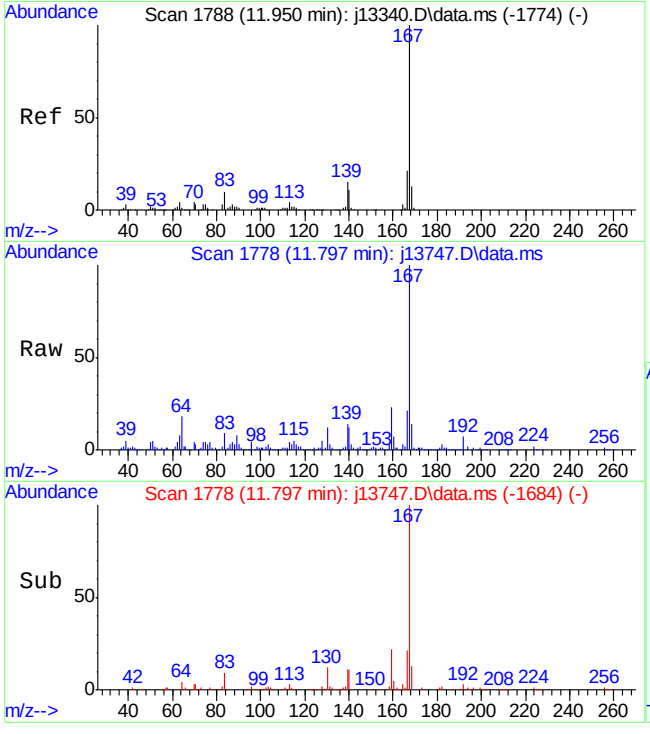


#67
Anthracene
Concen: 12.12 ug/ml m
RT: 11.348 min Scan# 1694
Delta R.T. -0.081 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:178 Resp: 483497

Ion	Ratio	Lower	Upper
178	100		
179	0.0	0.0	35.1
176	0.0	0.0	38.3

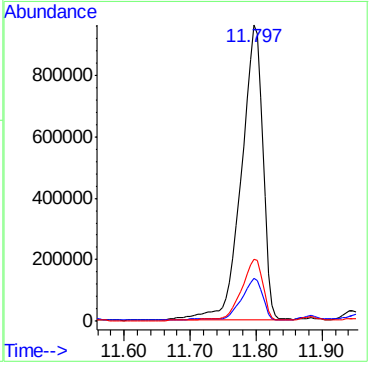


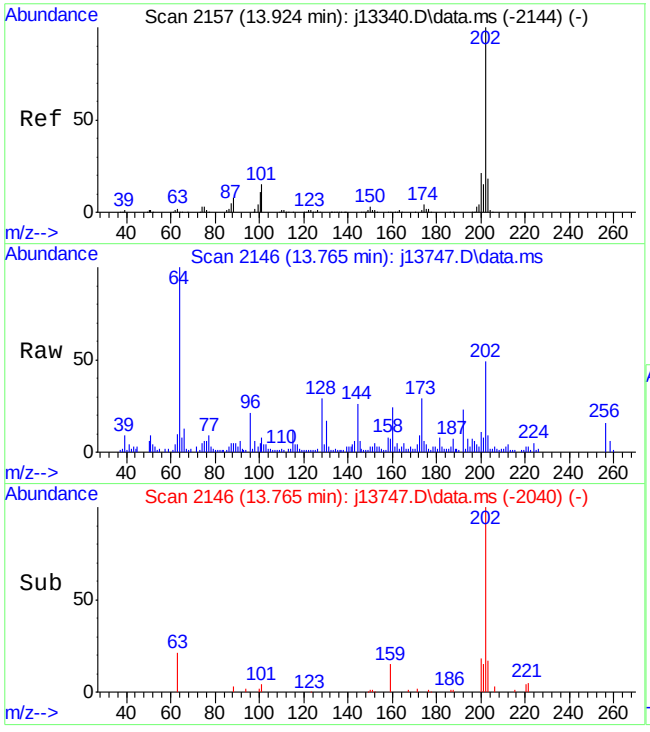


#68
Carbazole
Concen: 68.01 ug/ml
RT: 11.797 min Scan# 1778
Delta R.T. 0.003 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:167 Resp: 2184358

Ion	Ratio	Lower	Upper
167	100		
139	13.6	0.0	34.1
166	21.1	0.9	40.9

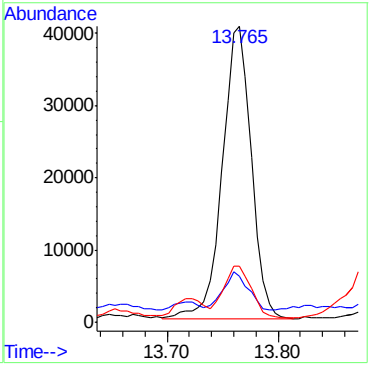


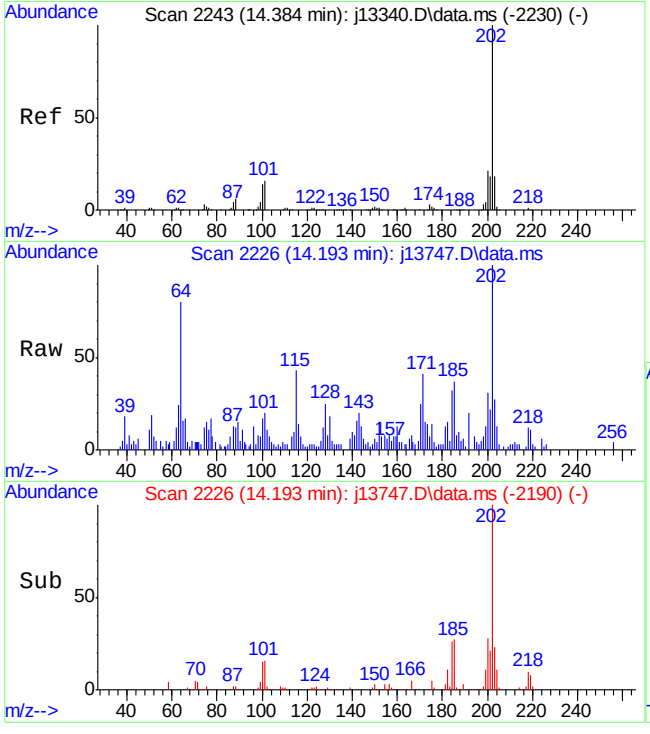


#70
Fluoranthene
Concen: 1.95 ug/ml
RT: 13.765 min Scan# 2146
Delta R.T. 0.064 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:202 Resp: 73332

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	33.9
203	17.0	0.0	37.3

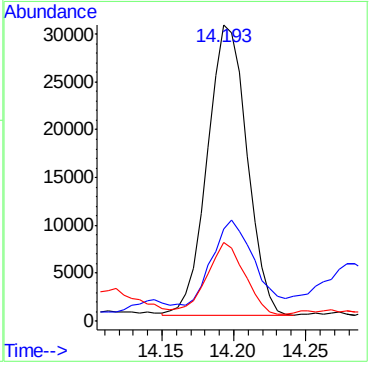




#73
Pyrene
Concen: 2.90 ug/ml
RT: 14.193 min Scan# 2226
Delta R.T. -0.008 min
Lab File: j13747.D
Acq: 9 Oct 2009 8:26 pm

Tgt Ion:202 Resp: 57967

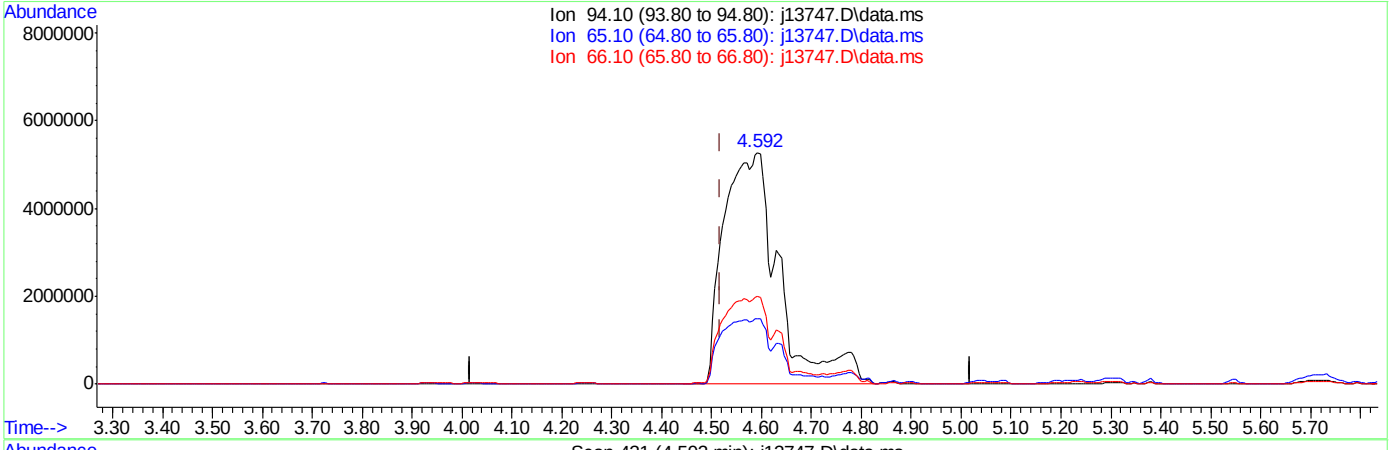
Ion	Ratio	Lower	Upper
202	100		
200	30.1	0.5	40.5
203	23.5	0.0	37.8

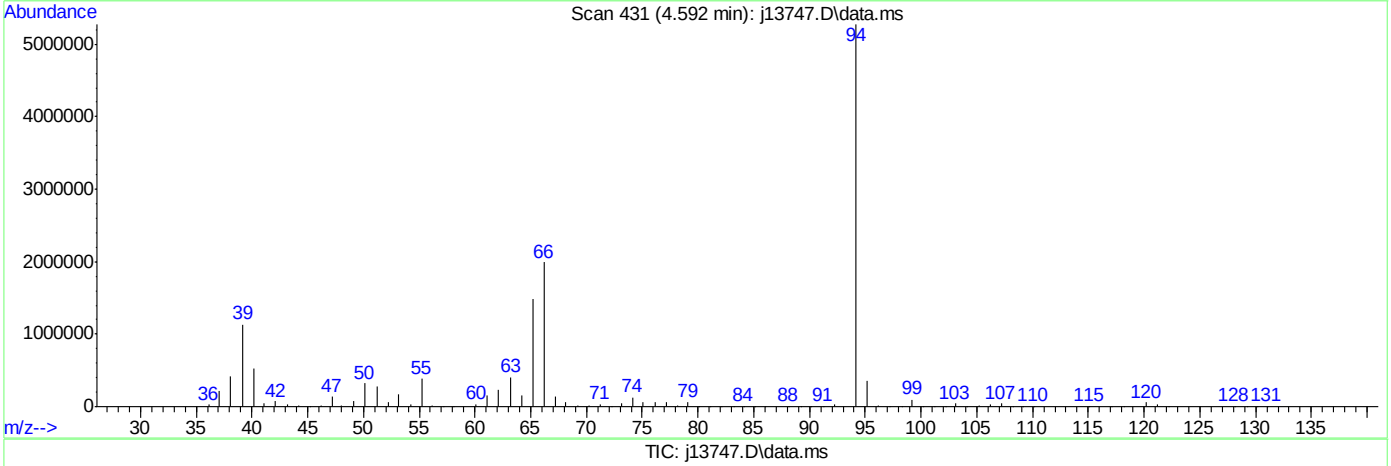


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 15:56:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(6) Phenol (C)

4.592min (+0.074) 1889.37ug/ml m

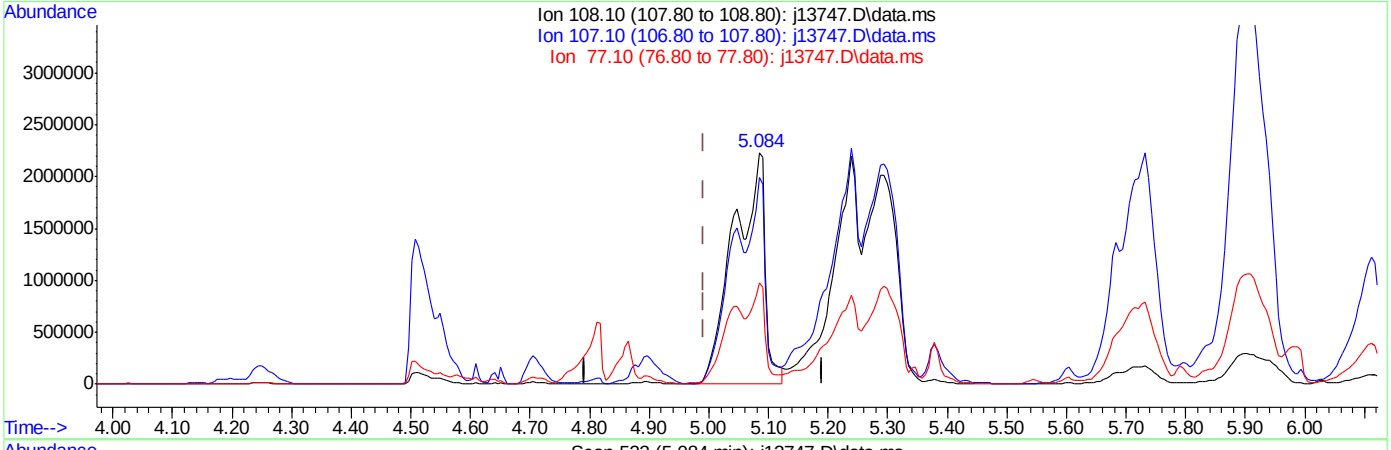
response 40529392

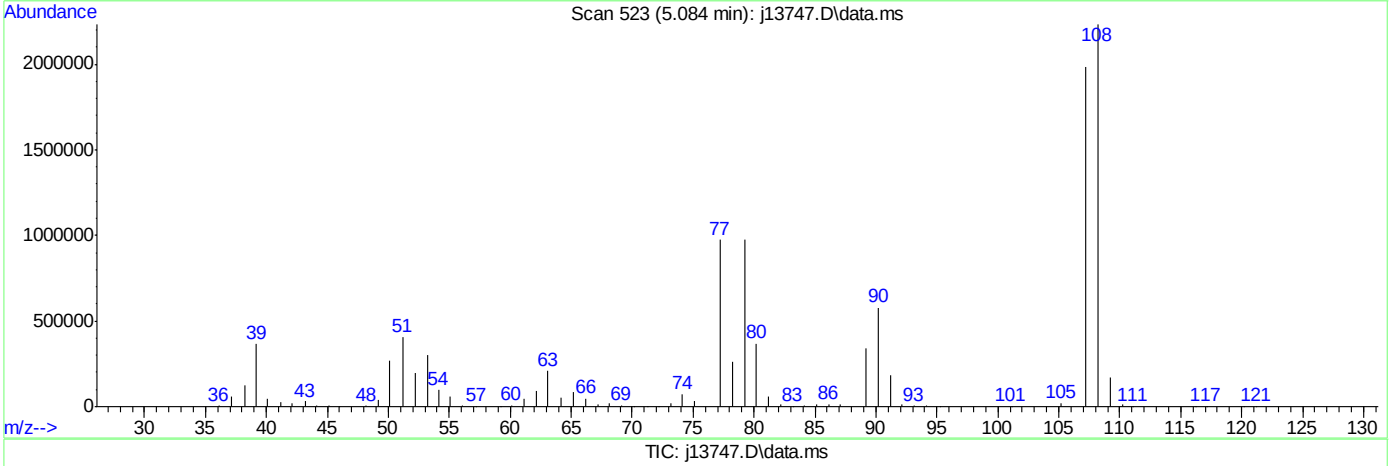
Ion	Exp%	Act%
94.10	100	100
65.10	55.30	0.01#
66.10	57.40	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 15:56:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(14) 2-Methylphenol

5.084min (+0.092) 540.13ug/ml m

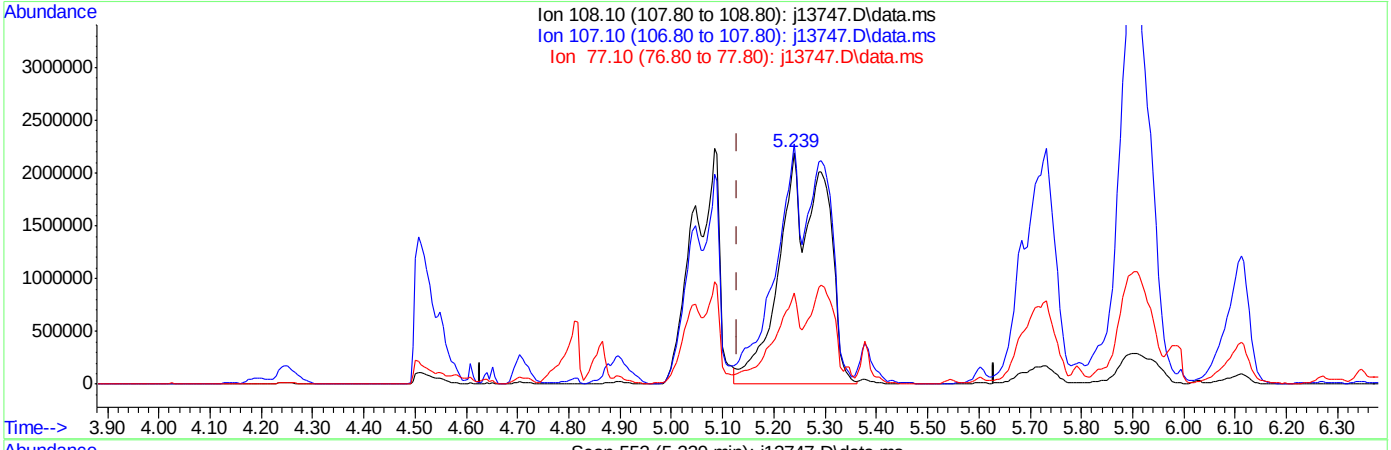
response 8122361

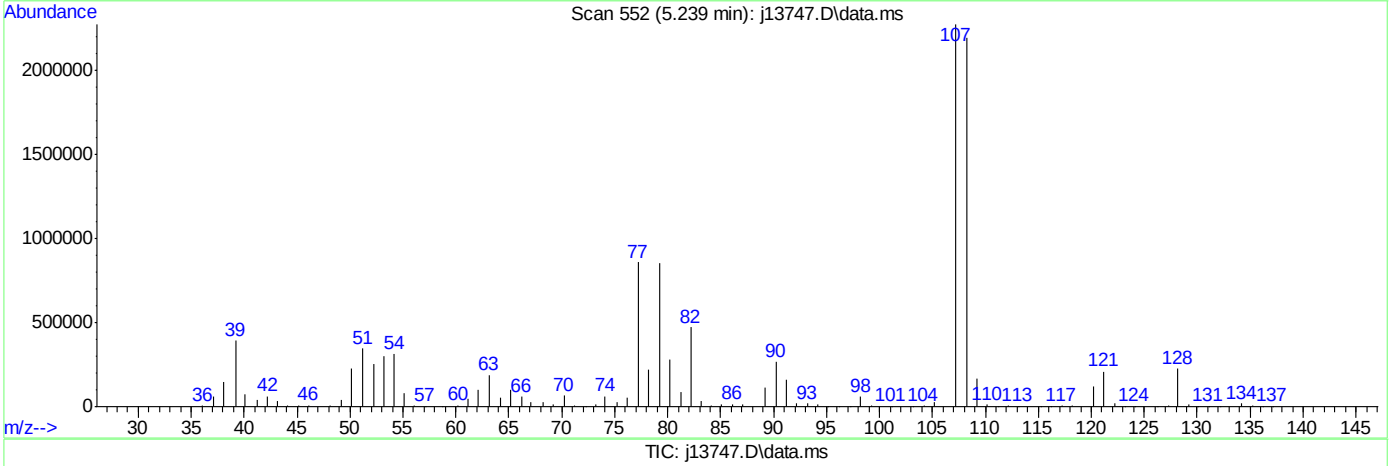
Ion	Exp%	Act%
108.10	100	100
107.10	89.00	47.83#
77.10	50.10	25.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 15:56:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(16) 4-Methylphenol

5.239min (+0.110) 854.99ug/ml m

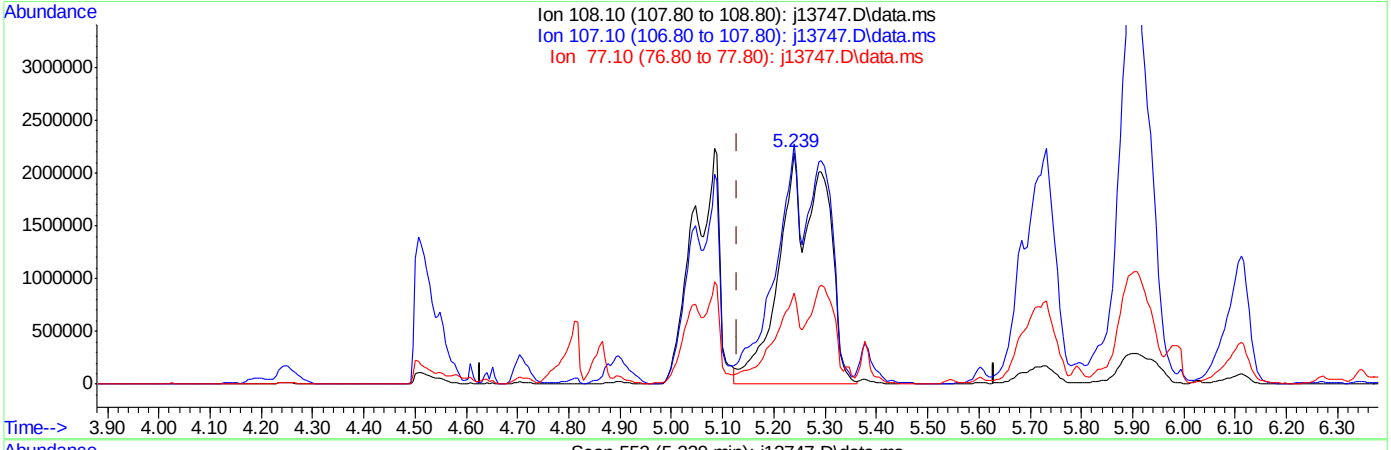
response 13601257

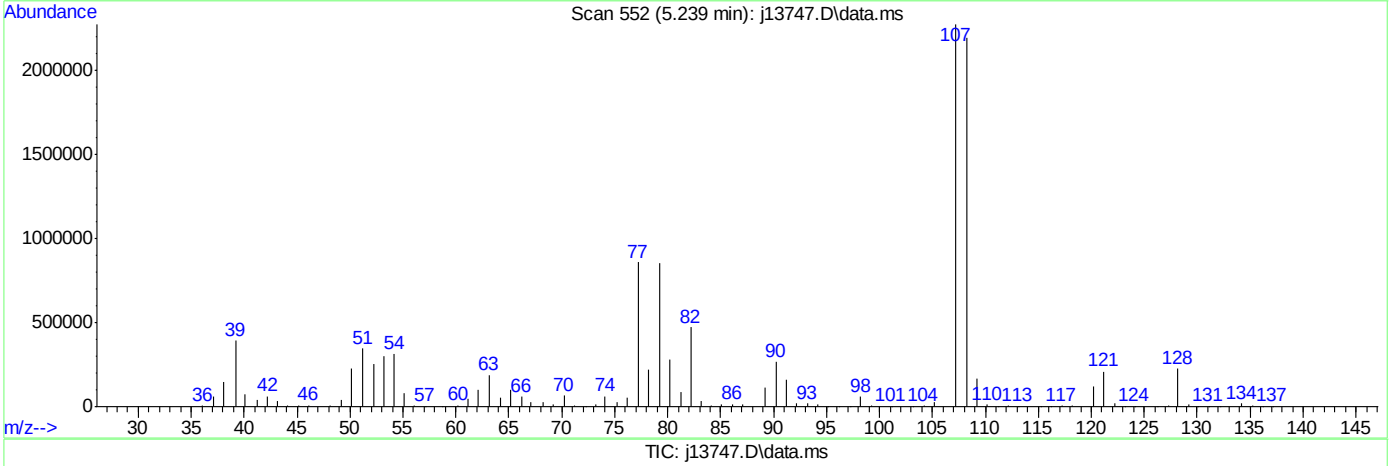
Ion	Exp%	Act%
108.10	100	100
107.10	110.00	47.61#
77.10	40.60	20.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 15:56:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(17) m+p-Cresols

5.239min (+0.110) 854.99ug/ml m

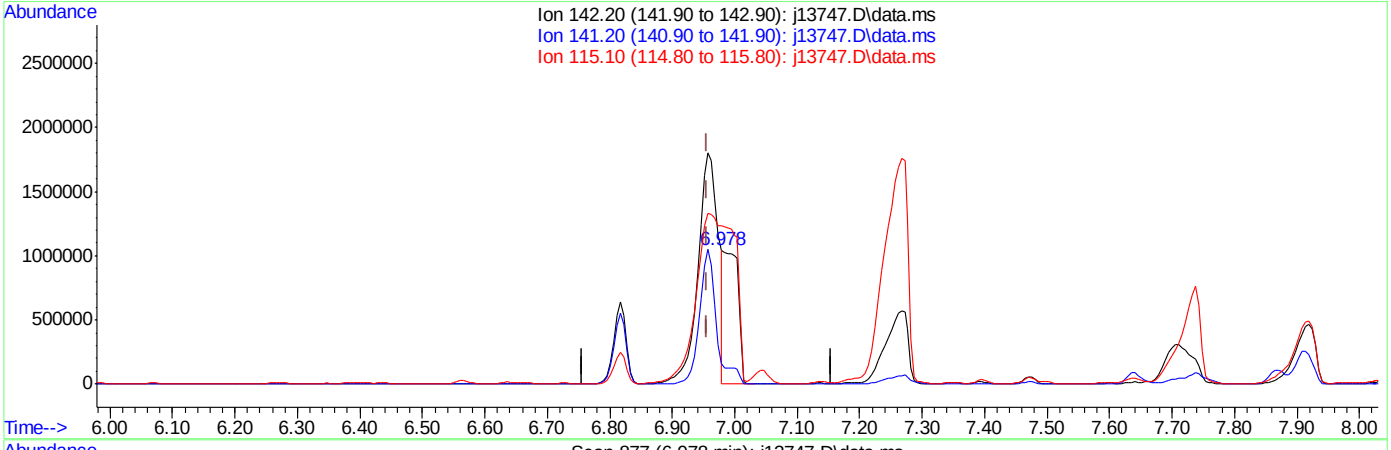
response 13601257

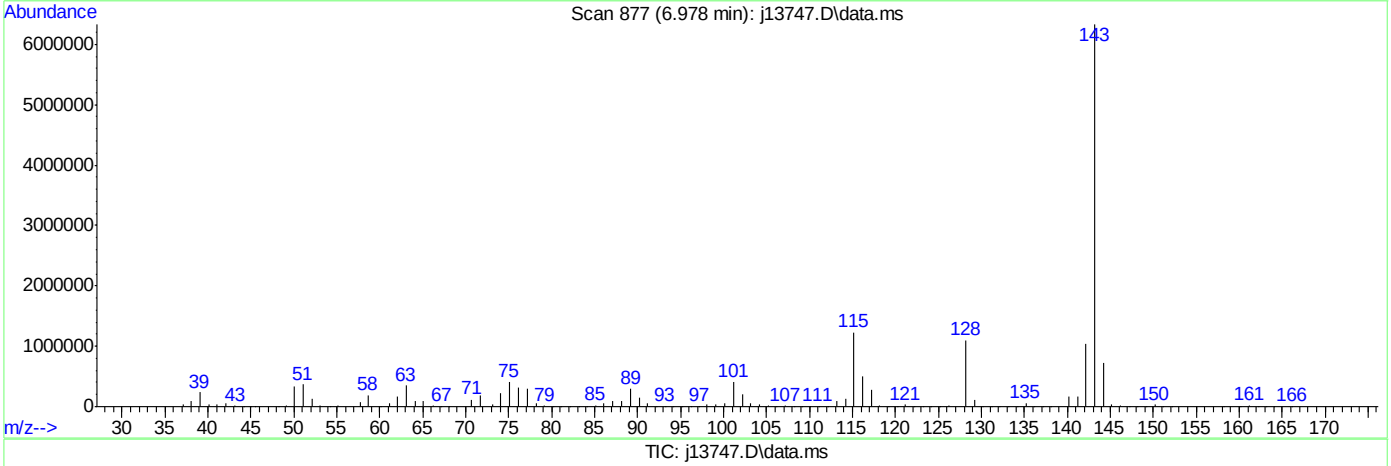
Ion	Exp%	Act%
108.10	100	100
107.10	110.00	47.61#
77.10	40.60	20.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 15:56:19 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(35) 1-Methylnaphthalene

6.978min (+0.022) 49.64ug/ml m

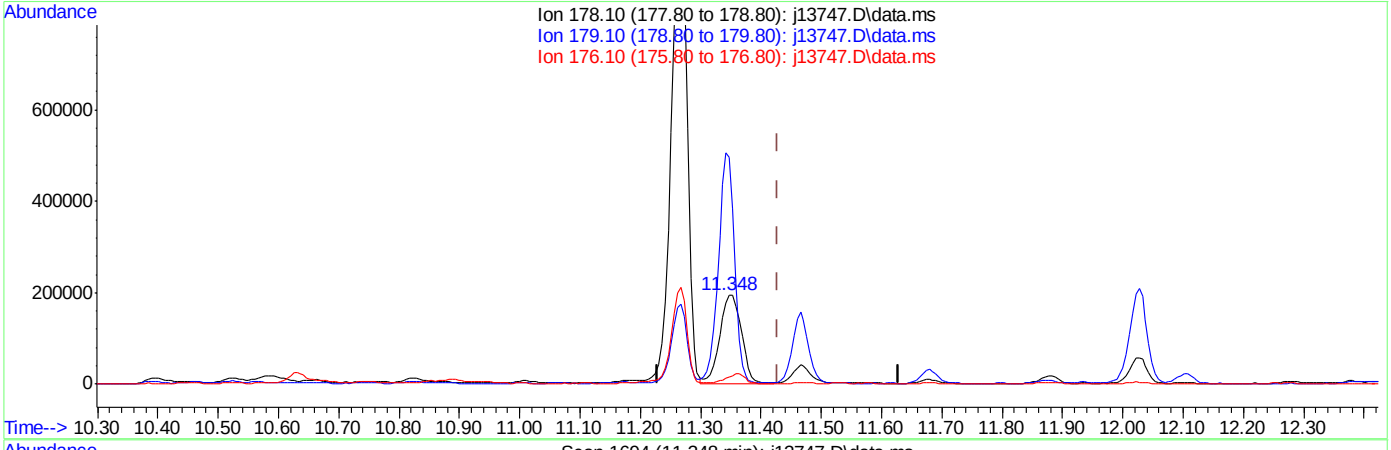
response 1777870

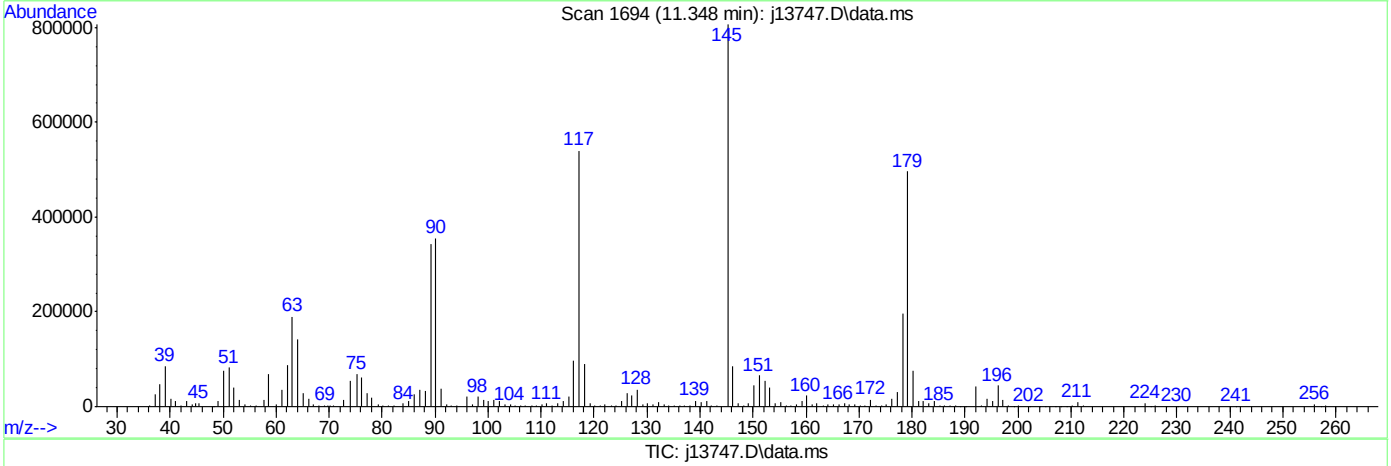
Ion	Exp%	Act%
142.20	100	100
141.20	89.40	42.08#
115.10	38.90	18.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 15:12:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13747.D\data.ms

(67) Anthracene

11.348min (-0.081) 12.12ug/ml m

response 483497

Ion	Exp%	Act%
178.10	100	100
179.10	15.10	0.00
176.10	18.30	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 20000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13747.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.726	265	269	276	rBV	1833075	2680946	3.83%	0.329%
2	4.015	319	323	337	rBV3	854760	1732641	2.47%	0.213%
3	4.245	360	366	378	rVB2	1160226	2661060	3.80%	0.326%
4	4.549	411	423	427	rBV5	15537736	64173802	91.60%	7.872%
5	4.635	436	439	444	rVB	7322359	11573559	16.52%	1.420%
6	4.721	452	455	458	rVB	2806873	2408465	3.44%	0.295%
7	4.817	459	473	475	rVB	10970802	25782794	36.80%	3.163%
8	4.865	475	482	485	rBV	6603991	9927376	14.17%	1.218%
9	4.897	485	488	498	rVB	1921730	3262104	4.66%	0.400%
10	5.042	499	515	519	rBV3	8603121	23679481	33.80%	2.905%
11	5.084	520	523	528	rVB	9780195	12662859	18.08%	1.553%
12	5.191	537	543	544	rBV	4300251	5330071	7.61%	0.654%
13	5.239	545	552	555	rVV3	9344591	19270934	27.51%	2.364%
14	5.293	558	562	570	rVB3	11123374	29081491	41.51%	3.567%
15	5.346	570	572	574	rVB	1883365	1286427	1.84%	0.158%
16	5.378	574	578	587	rVB	6933767	8317597	11.87%	1.020%
17	5.544	602	609	617	rBV	4852788	7175666	10.24%	0.880%
18	5.715	622	641	642	rBV4	10997296	30544428	43.60%	3.747%
19	5.790	652	655	659	rVB2	2119902	2203458	3.15%	0.270%
20	5.844	659	665	666	rVV2	2061209	2778423	3.97%	0.341%
21	5.903	666	676	685	rVV	13263775	57466786	82.03%	7.049%
22	5.988	686	692	696	rVB	17975399	35796189	51.10%	4.391%
23	6.031	696	700	702	rBV	1167154	1424734	2.03%	0.175%
24	6.111	702	715	722	rVB	4611567	13830140	19.74%	1.697%
25	6.272	736	745	749	rBV	2796460	4724509	6.74%	0.580%
26	6.304	749	751	754	rVV	1258766	1461769	2.09%	0.179%
27	6.347	754	759	763	rVV	2564174	4279796	6.11%	0.525%
28	6.400	765	769	773	rVV2	2487772	4659823	6.65%	0.572%
29	6.438	773	776	782	rVB2	2088484	3303149	4.72%	0.405%
30	6.512	785	790	794	rBV2	1664551	2613684	3.73%	0.321%
31	6.566	794	800	808	rVV3	3313327	6511065	9.29%	0.799%
32	6.630	808	812	815	rVV	1696880	2275903	3.25%	0.279%
33	6.662	815	818	821	rVV	1214050	1645496	2.35%	0.202%
34	6.689	821	823	826	rVV	856673	934336	1.33%	0.115%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 20000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	6.726	826	830	841	rVV3	785194	1645836	2.35%	0.202%
36	6.817	841	847	852	rVV2	2872402	4312895	6.16%	0.529%
37	6.865	852	856	860	rVV	1384924	1864981	2.66%	0.229%
38	6.983	860	878	881	rVV2	17389616	70055572	100.00%	8.594%
39	7.042	885	889	896	rVV	4157402	6680229	9.54%	0.819%
40	7.101	896	900	911	rVB2	1642922	2733045	3.90%	0.335%
41	7.267	912	931	939	rBV2	14380507	42524684	60.70%	5.216%
42	7.357	939	948	952	rBV	4031480	5844491	8.34%	0.717%
43	7.470	964	969	972	rBV	1210156	1702623	2.43%	0.209%
44	7.497	972	974	984	rVB	1103006	1400834	2.00%	0.172%
45	7.593	985	992	996	rBV3	1079629	2206981	3.15%	0.271%
46	7.636	996	1000	1005	rVV	922740	1359764	1.94%	0.167%
47	7.737	1006	1019	1027	rVB2	8275110	18381521	26.24%	2.255%
48	7.828	1027	1036	1038	rBV2	624387	1406817	2.01%	0.173%
49	7.919	1039	1053	1061	rVB2	11597451	27007575	38.55%	3.313%
50	8.144	1069	1095	1100	rBV	15083673	56870623	81.18%	6.976%
51	8.208	1100	1107	1109	rVV	5817053	9646293	13.77%	1.183%
52	8.235	1109	1112	1116	rVV	4626710	6080242	8.68%	0.746%
53	8.288	1116	1122	1129	rVB2	1855178	3500016	5.00%	0.429%
54	8.438	1142	1150	1155	rBV3	3802451	7917740	11.30%	0.971%
55	8.502	1155	1162	1167	rVB	8150880	14605338	20.85%	1.792%
56	8.577	1169	1176	1180	rBV	2020323	3115441	4.45%	0.382%
57	8.625	1181	1185	1191	rVB3	771490	1468750	2.10%	0.180%
58	8.721	1192	1203	1211	rBV4	5389139	15469798	22.08%	1.898%
59	8.791	1211	1216	1220	rVV2	2778789	5221824	7.45%	0.641%
60	8.844	1220	1226	1235	rVB2	3243852	9154179	13.07%	1.123%
61	9.000	1249	1255	1267	rVB	939312	2419536	3.45%	0.297%
62	9.112	1267	1276	1279	rBV2	3967298	9361875	13.36%	1.148%
63	9.278	1301	1307	1312	rBV	1171364	2498833	3.57%	0.307%
64	9.374	1321	1325	1327	rBV3	866456	1321992	1.89%	0.162%
65	9.411	1328	1332	1337	rVB	1754601	2654984	3.79%	0.326%
66	9.513	1345	1351	1357	rBV3	821904	1631344	2.33%	0.200%
67	9.663	1373	1379	1382	rBV2	744960	1234141	1.76%	0.151%
68	9.732	1382	1392	1403	rVV3	2061330	7326068	10.46%	0.899%
69	9.834	1404	1411	1416	rVV4	1563655	4022010	5.74%	0.493%
70	9.898	1417	1423	1430	rVV5	2020739	5463228	7.80%	0.670%
71	9.989	1431	1440	1451	rVB3	5964952	15790776	22.54%	1.937%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On    :  9 Oct 2009   8:26 pm
Operator  : sheilac
Sample    : t39187-3
Misc      : op13205,Ej631,1000,,,1,1,water
ALS Vial  : 23   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                          Filtering: 5
Sampling  : 1                            Min Area: 20000 Area counts
Start Thrs: 0.2                         Max Peaks: 100
Stop Thrs : 0                       Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	10.117	1459	1464	1473	rVB4	639115	1130875	1.61%	0.139%
73	10.524	1532	1540	1548	rBV3	1976347	4836096	6.90%	0.593%
74	10.615	1550	1557	1563	rBV2	919340	2370446	3.38%	0.291%
75	11.267	1675	1679	1687	rVB	2676127	4125160	5.89%	0.506%
76	11.465	1711	1716	1720	rBV	725398	1444098	2.06%	0.177%
77	11.797	1770	1778	1784	rBV	2580633	5403768	7.71%	0.663%
78	13.910	2167	2173	2180	rBV3	487505	1381457	1.97%	0.169%
79	14.589	2292	2300	2317	rVB2	1769324	3501923	5.00%	0.430%
80	15.118	2381	2399	2422	rVB2	878577	4364388	6.23%	0.535%
81	15.942	2545	2553	2567	rVB3	256626	816293	1.17%	0.100%
82	16.739	2694	2702	2719	rVB	805371	1729487	2.47%	0.212%
83	19.526	3214	3223	3238	rVB	326925	732977	1.05%	0.090%

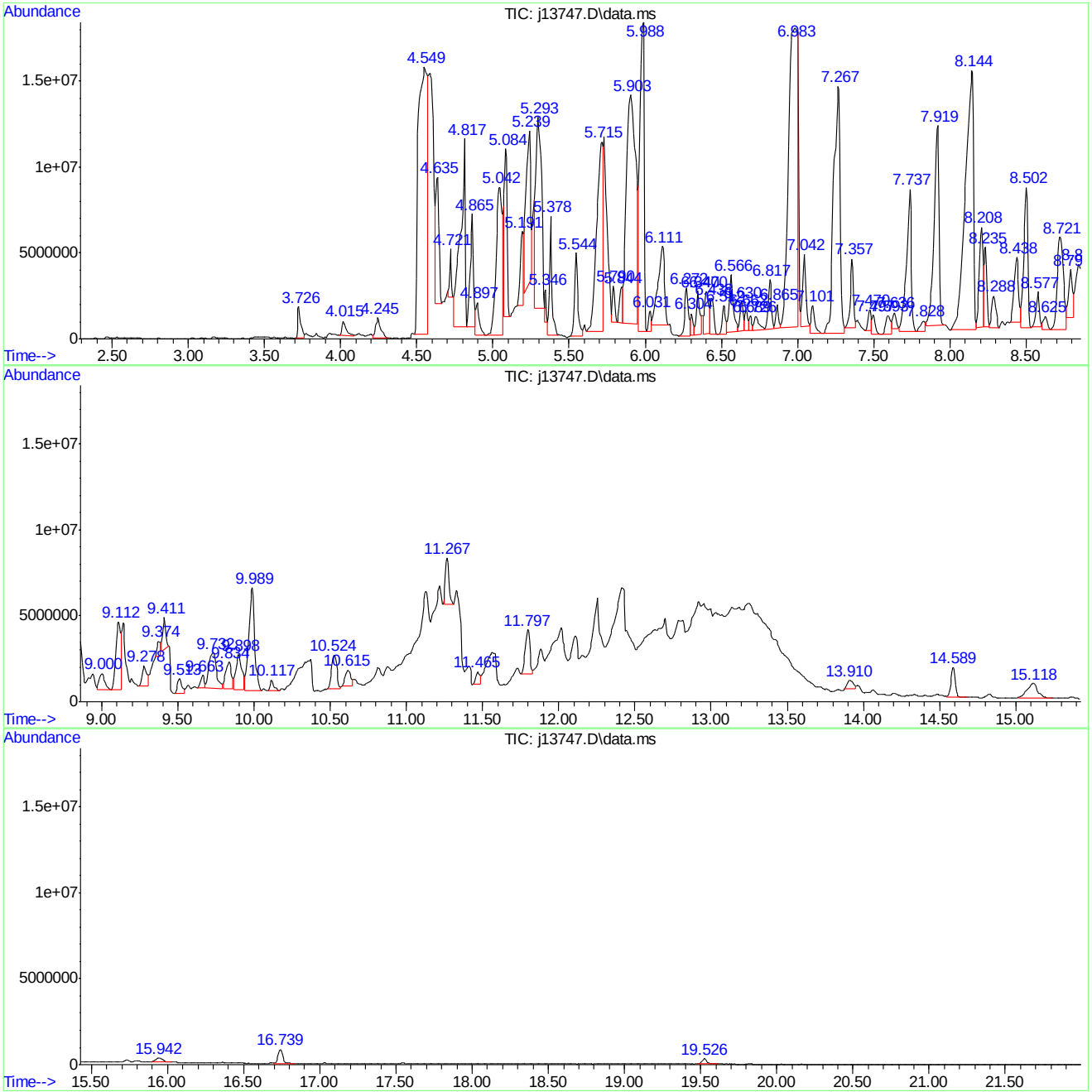
Sum of corrected areas: 815200808

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On    :  9 Oct 2009   8:26 pm
Operator  : sheilac
Sample    : t39187-3
Misc      : op13205,Ej631,1000,,,1,1,water
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```



Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

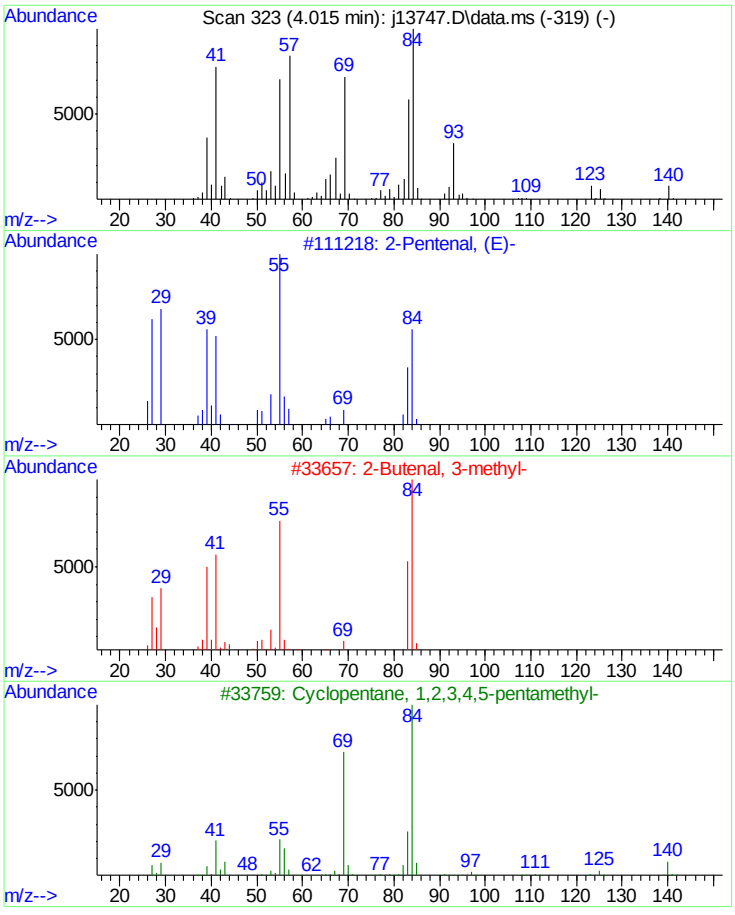
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

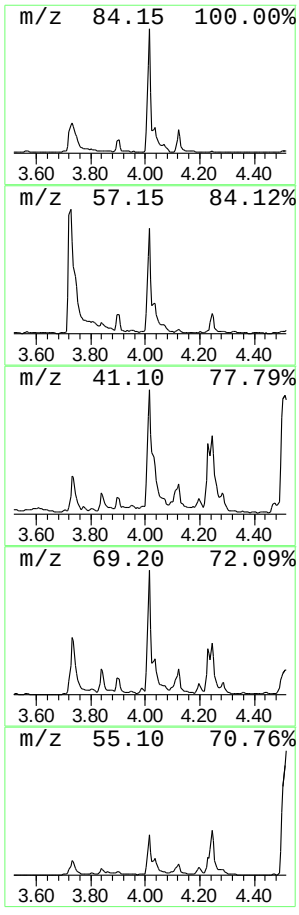
****

Peak Number 1 2-Pentenal, (E)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.015	28.78 ug/ml	1732640	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenal, (E)-	84	C5H8O	001576-87-0	47
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	46
3	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	38
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	35
5	Cyclopentanemethanol, 1-amino-	115	C6H13NO	010316-79-7	35





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

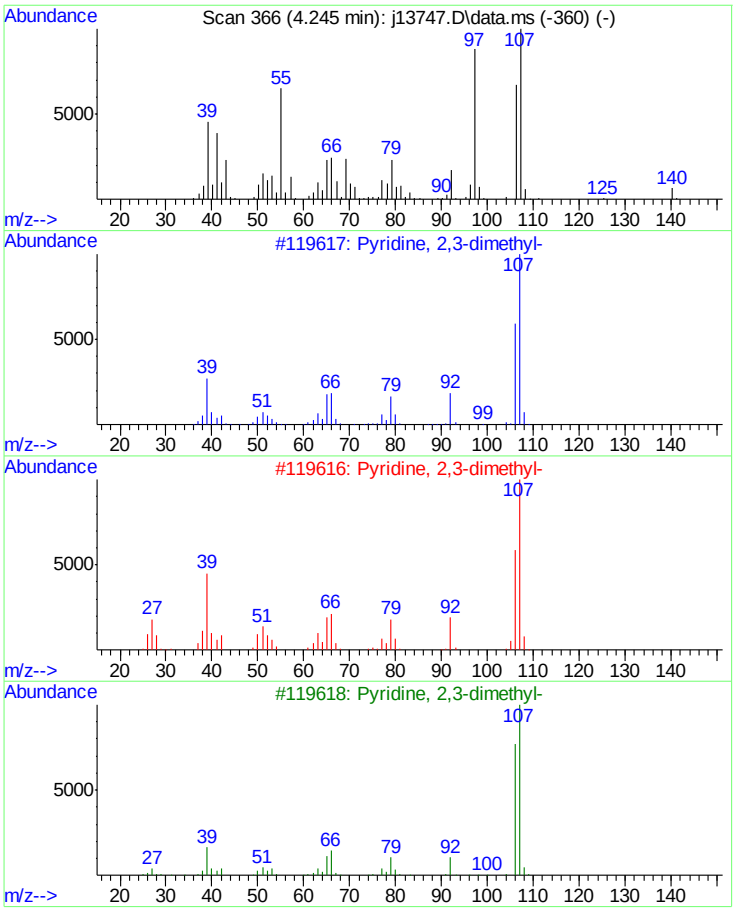
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

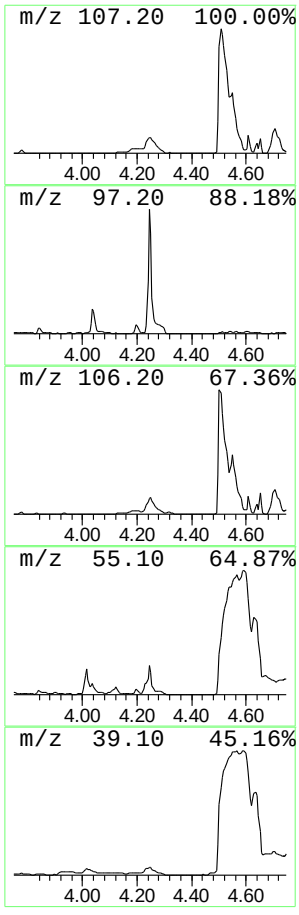
****

Peak Number 2 Pyridine, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.245	44.20 ug/ml	2661060	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	93
2	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	93
3	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	91
4	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	91
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	83





Library Search Compound Report

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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

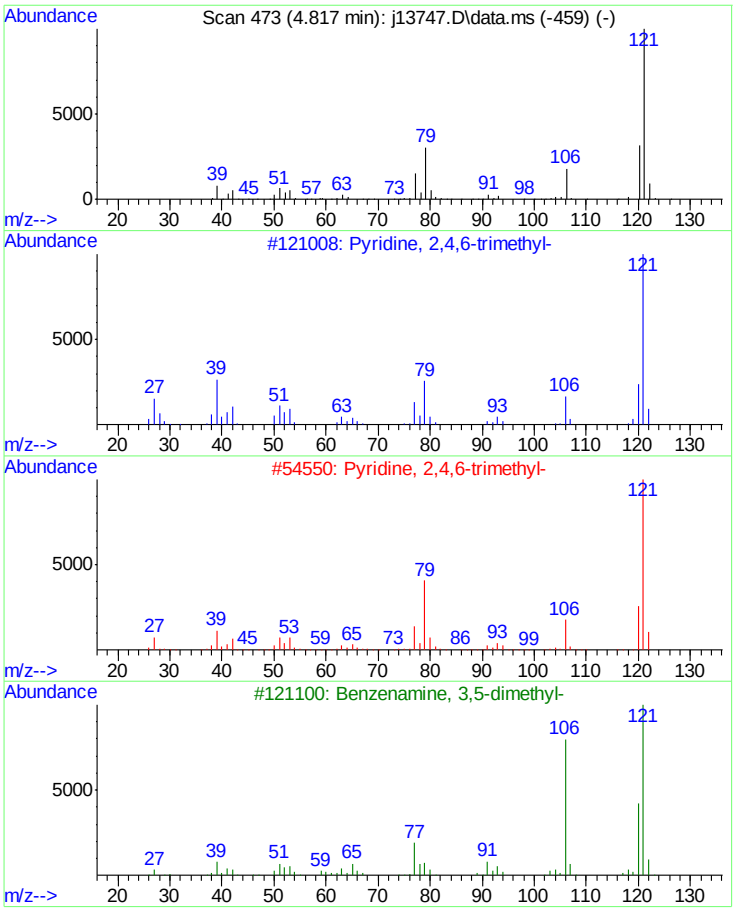
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

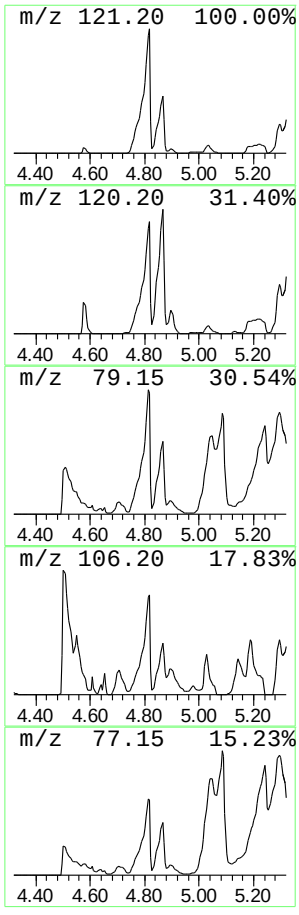
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pyridine, 2,4,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.817	428.20 ug/ml	25782800	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	90
2	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	87
3	Benzenamine, 3,5-dimethyl-	121	C8H11N	000108-69-0	64
4	Benzenamine, 3,5-dimethyl-	121	C8H11N	000108-69-0	53
5	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	47





Library Search Compound Report

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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

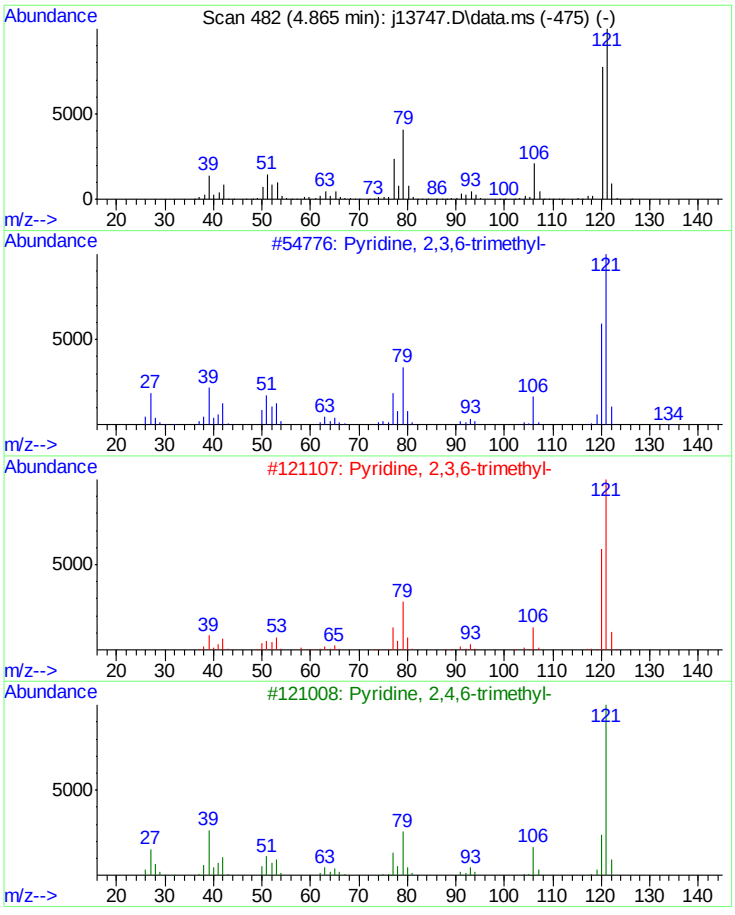
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

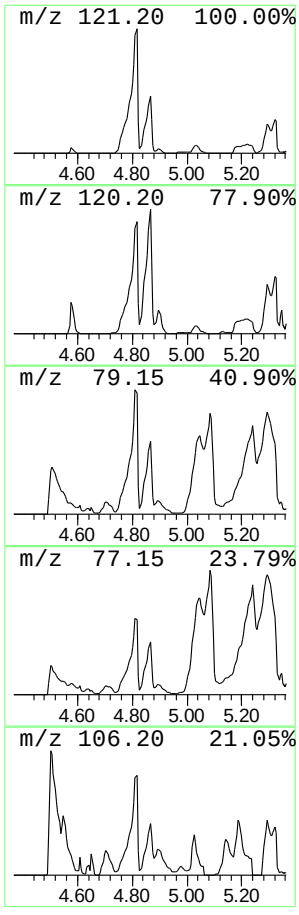
****

Peak Number 4 Pyridine, 2,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.865	164.88 ug/ml	9927380	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	87
2	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	86
3	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	68
4	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	68
5	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	64





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

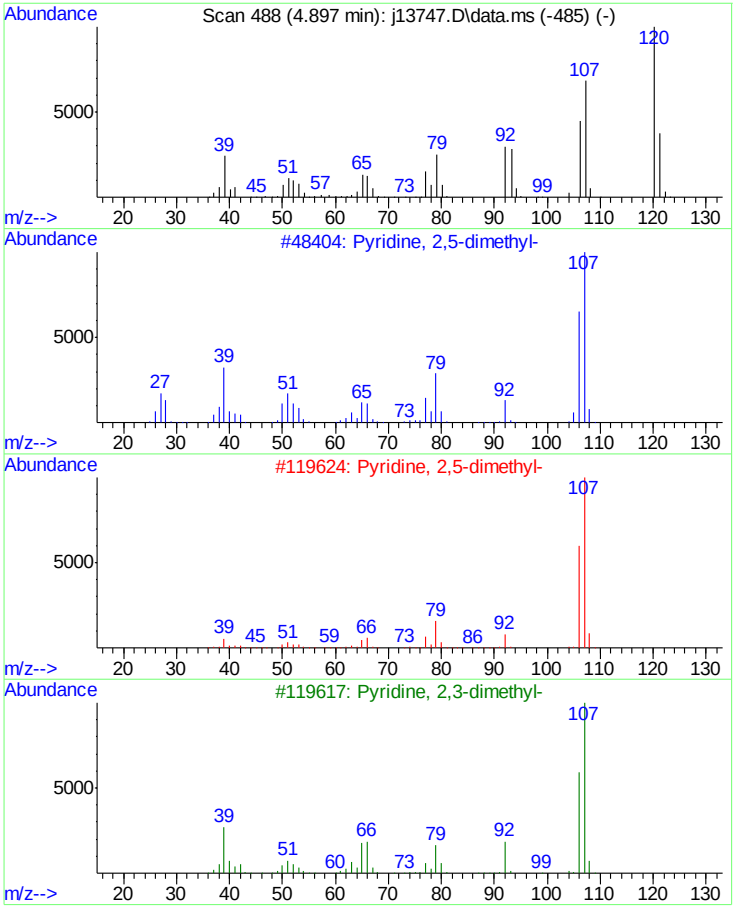
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

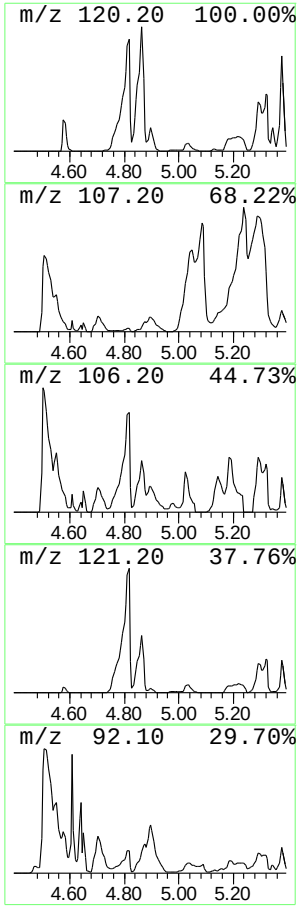
****

Peak Number 5 Pyridine, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.897	54.18 ug/ml	3262100	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	86
2	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	64
3	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	55
4	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	50
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:26 pm
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Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

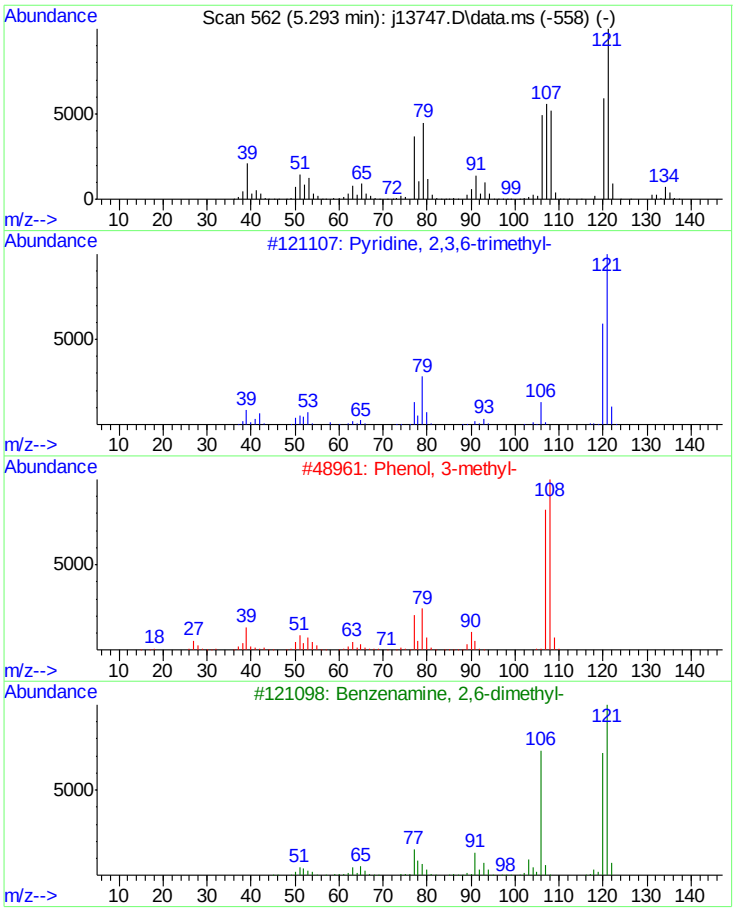
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

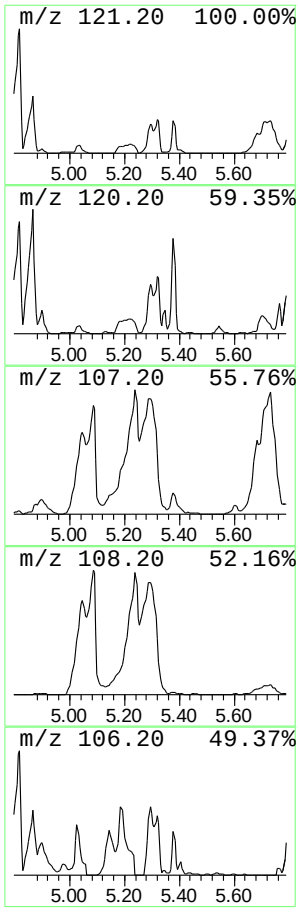
****

Peak Number 6 Pyridine, 2,3,6-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.293	482.99 ug/ml	29081500	1,4-Dichlorobenzene-d4	4.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	64
2	Phenol, 3-methyl-	108	C7H8O	000108-39-4	62
3	Benzenamine, 2,6-dimethyl-	121	C8H11N	000087-62-7	60
4	Benzenamine, 2,5-dimethyl-	121	C8H11N	000095-78-3	60
5	Benzenamine, 2,5-dimethyl-	121	C8H11N	000095-78-3	58





Library Search Compound Report

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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

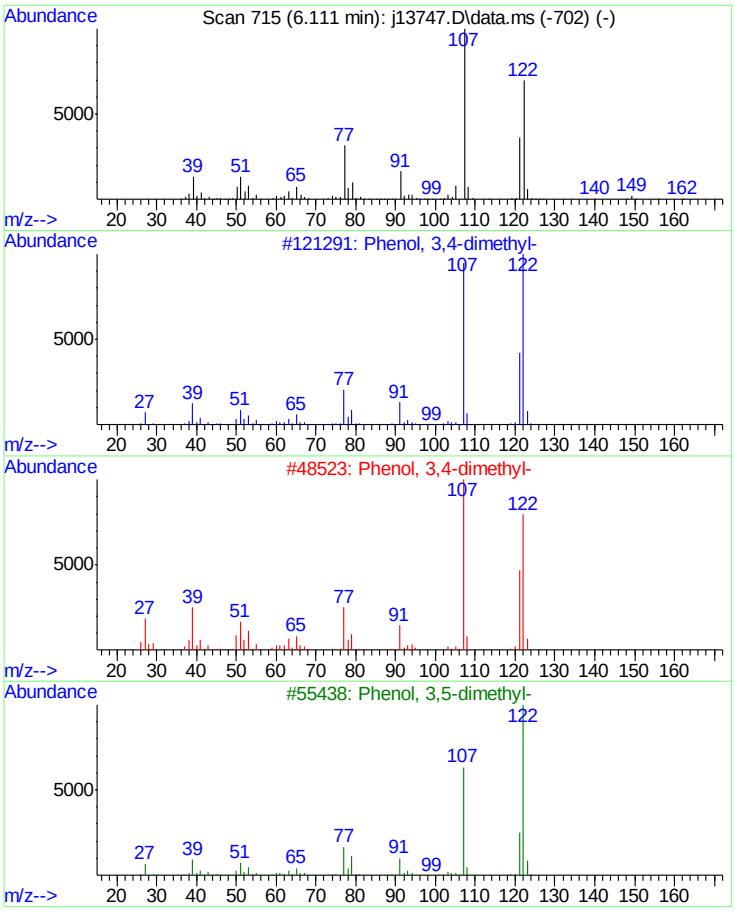
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

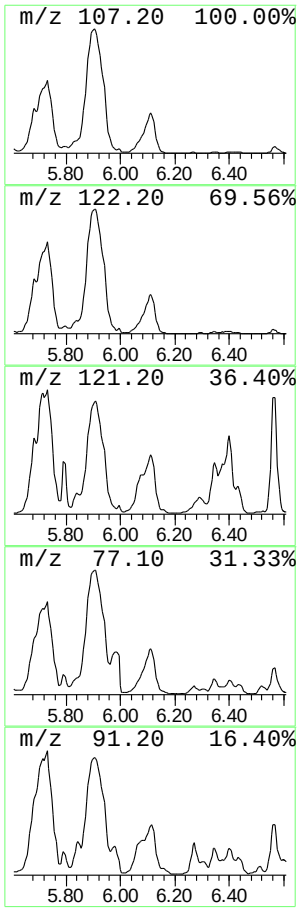
****

Peak Number 7 Phenol, 3,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.111	15.45 ug/ml	13830100	Naphthalene-d8	5.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	93
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	91
3	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	90
4	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	90
5	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	90





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

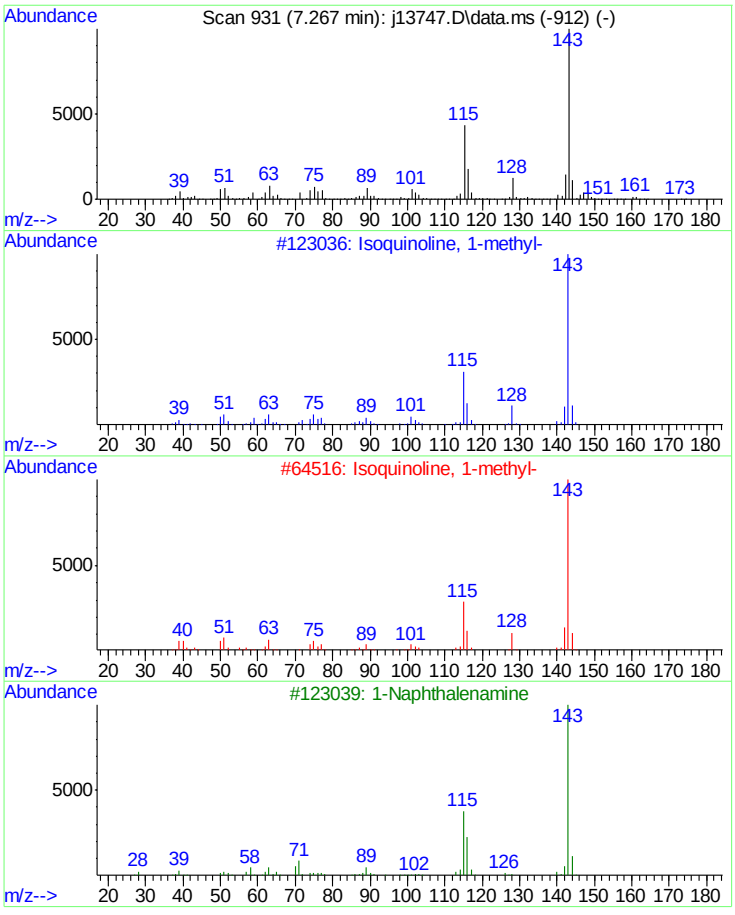
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

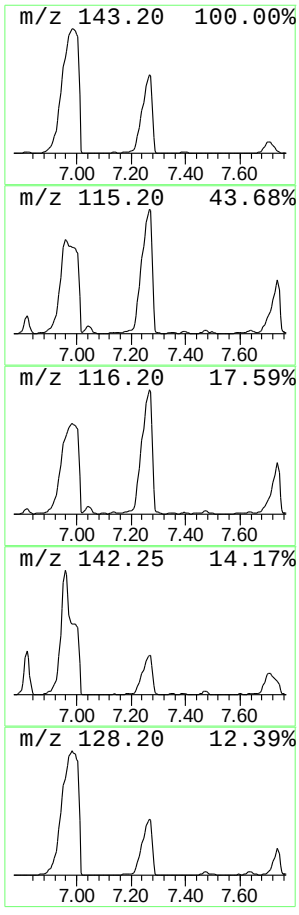
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Isoquinoline, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.267	214.83 ug/ml	42524700	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	94
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	94
3	1-Naphthalenamine	143	C10H9N	000134-32-7	93
4	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	93
5	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

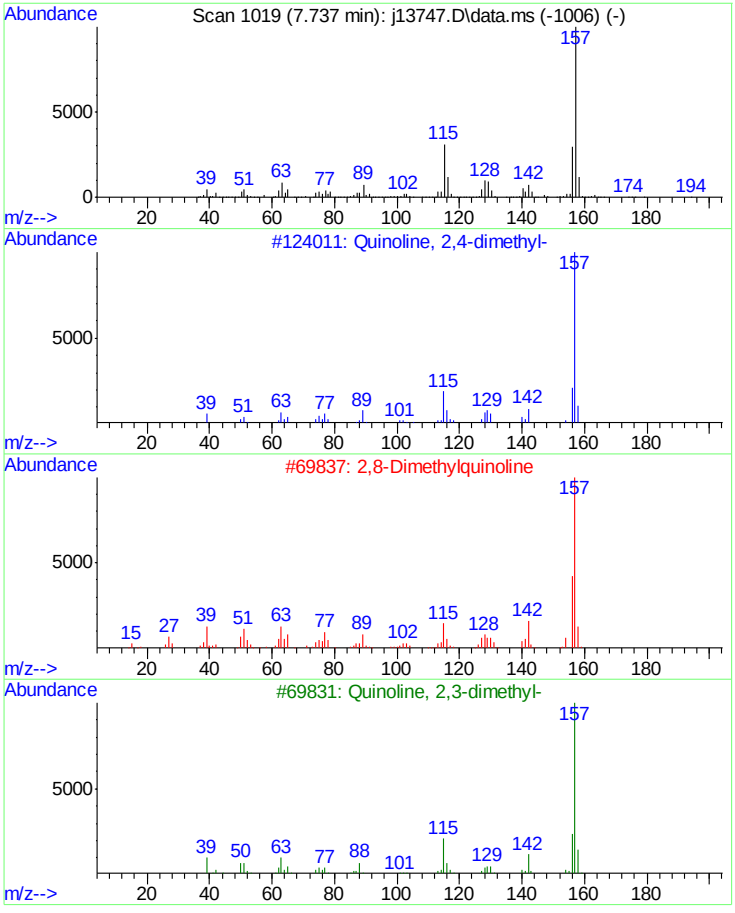
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

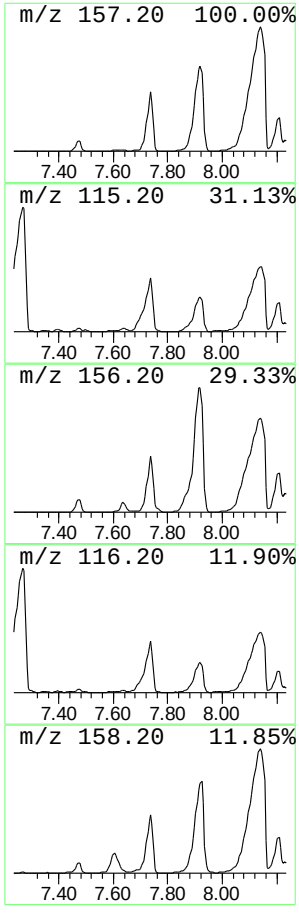
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Quinoline, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.737	92.86 ug/ml	18381500	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	90
2	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	90
3	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	86
4	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	83
5	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	80





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

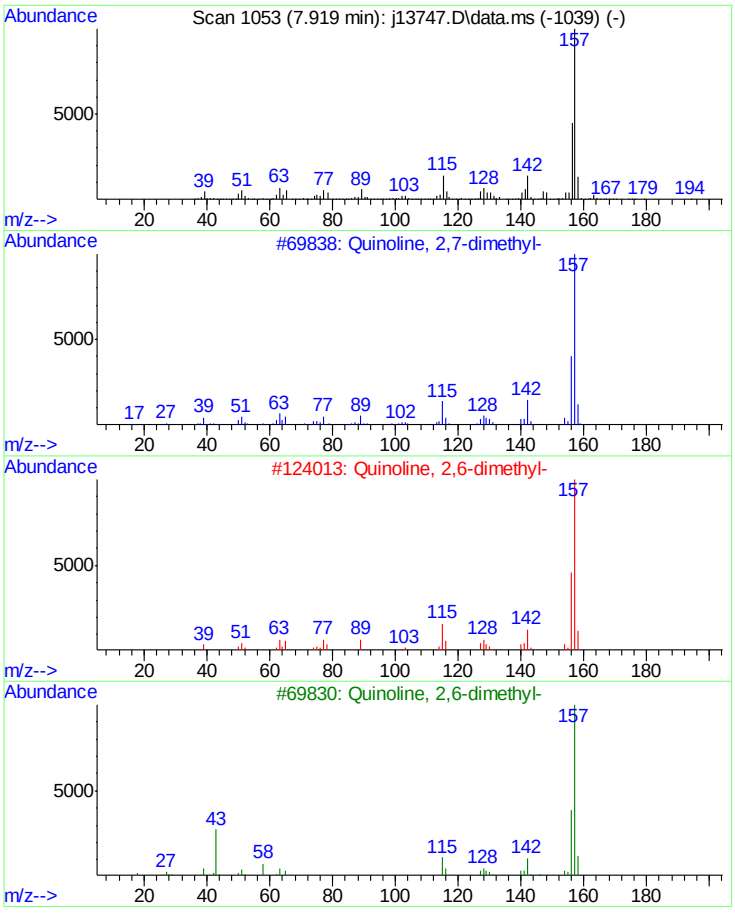
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

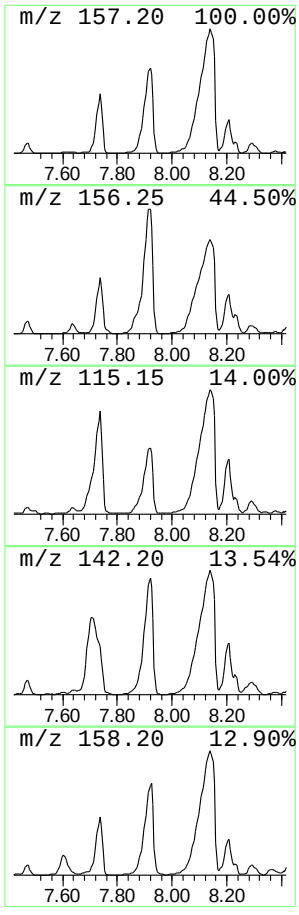
****

Peak Number 10 Quinoline, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.919	136.44 ug/ml	27007600	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	96
2	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
3	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	93
5	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	86





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 11 Quinoline, 2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.144	287.31 ug/ml	56870600	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	94
2	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	94
3	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
4	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	90
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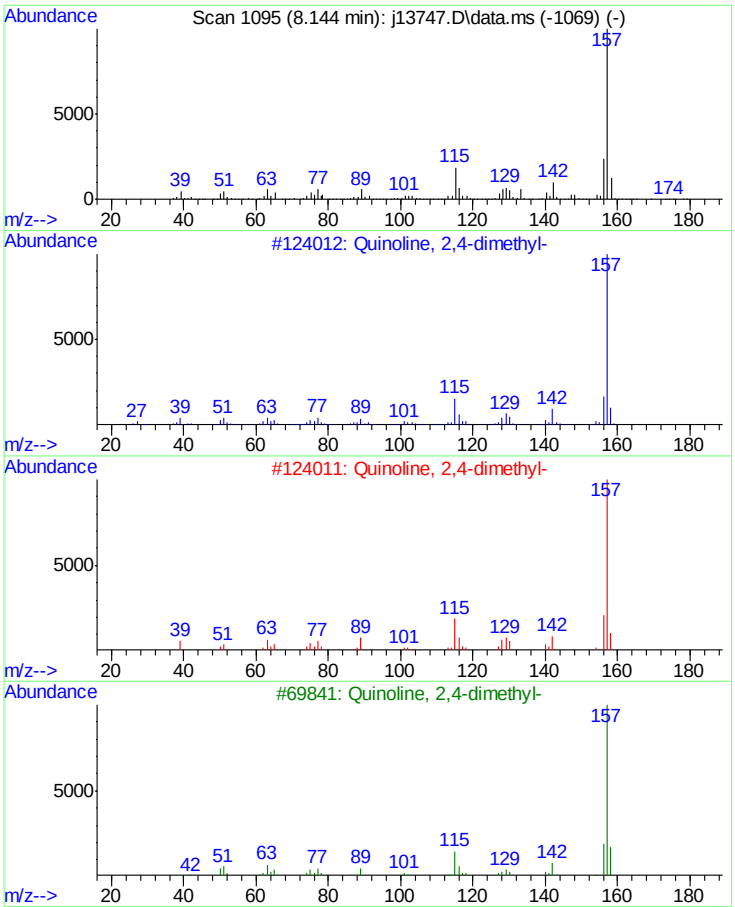

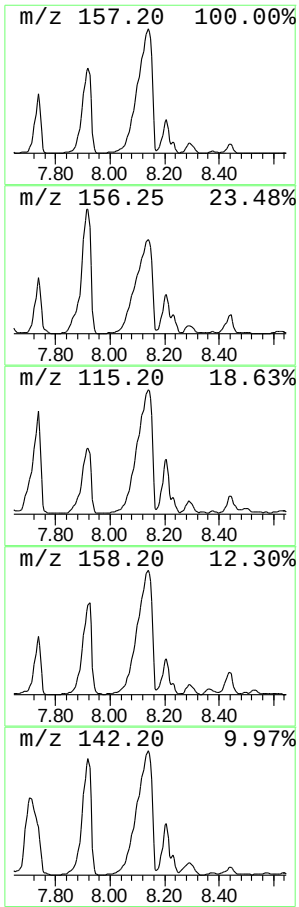

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Quinoline, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.208	48.73 ug/ml	9646290	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	95
2	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	89
3	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	81
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	81
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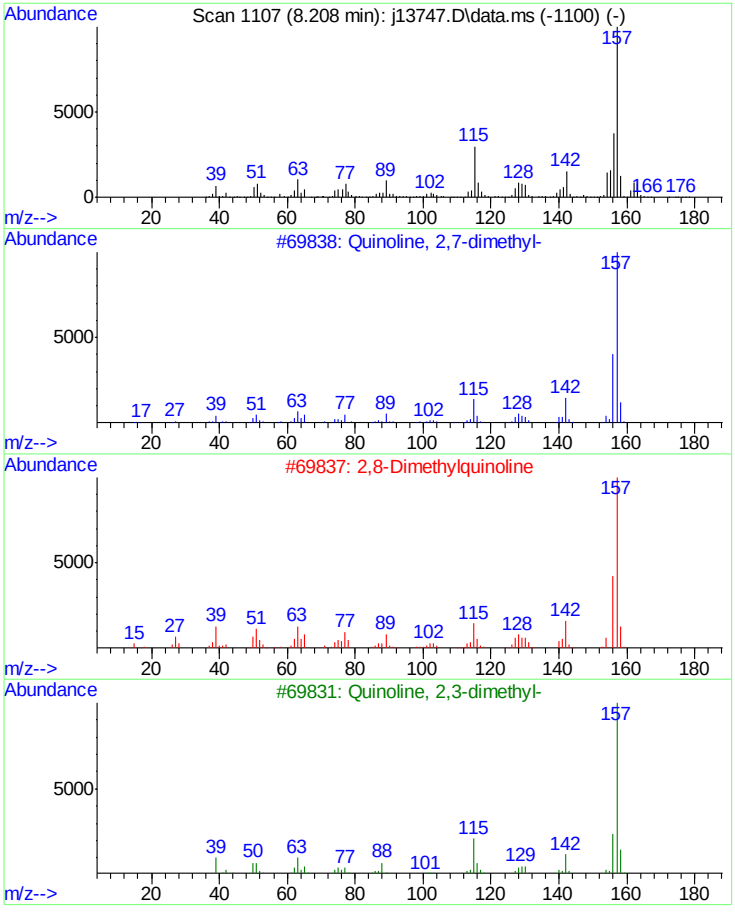

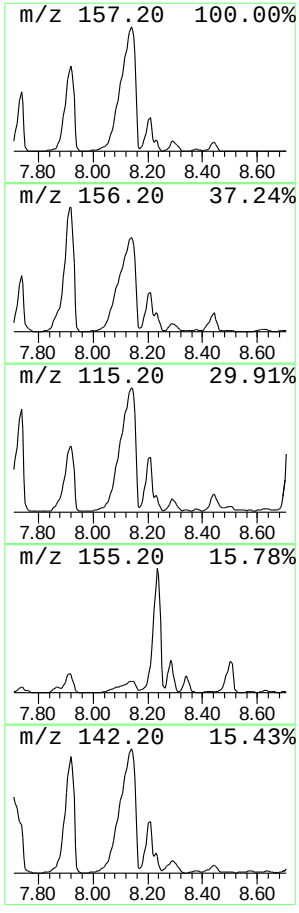

Library Search Compound Report

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Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

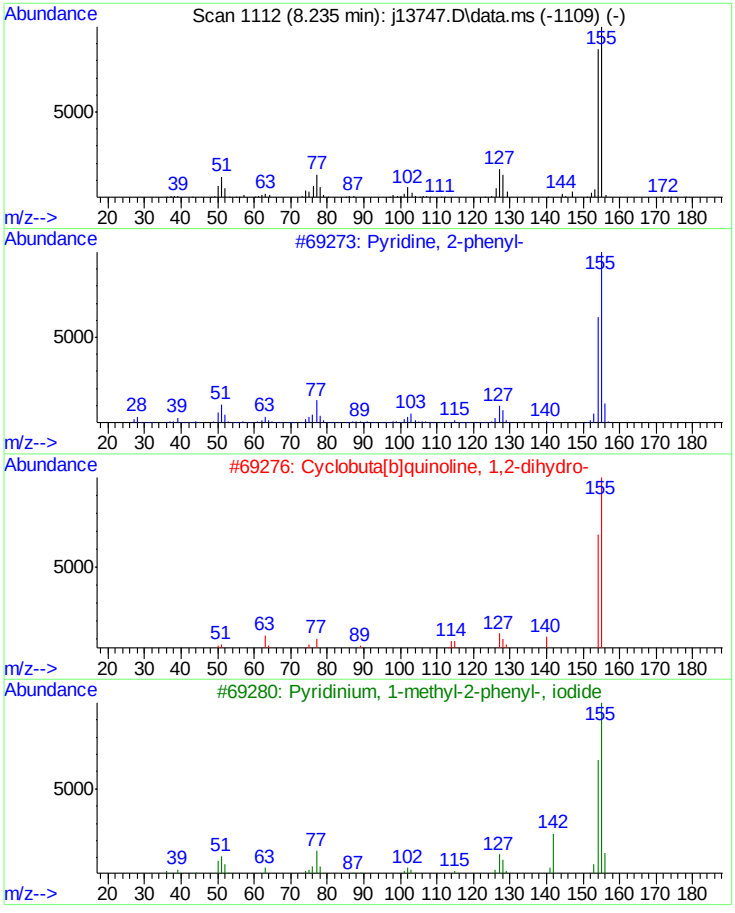
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

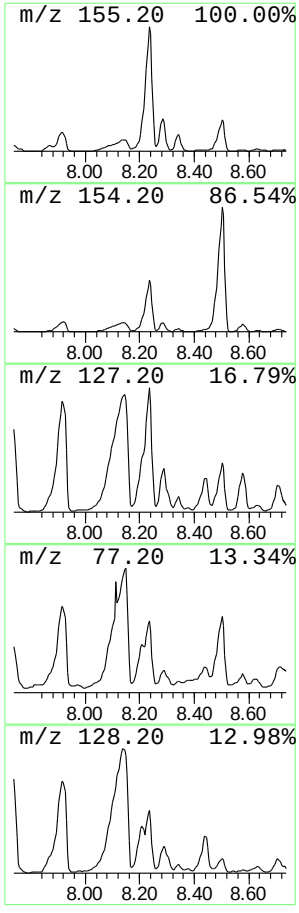
****

Peak Number 13 Pyridine, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.235	30.72 ug/ml	6080240	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	90
2	Cyclobuta[b]quinoline, 1,2-dihydro-	155	C11H9N	013353-49-6	78
3	Pyridinium, 1-methyl-2-phenyl-, ...	297	C12H12IN	052806-02-7	64
4	Pyridine, 3-phenyl-	155	C11H9N	001008-88-4	58
5	Pyridine, 4-phenyl-	155	C11H9N	000939-23-1	52





Library Search Compound Report

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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Quinoline, dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.288	17.68 ug/ml	3500020	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	70
2	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	60
3	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	55
4	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	49
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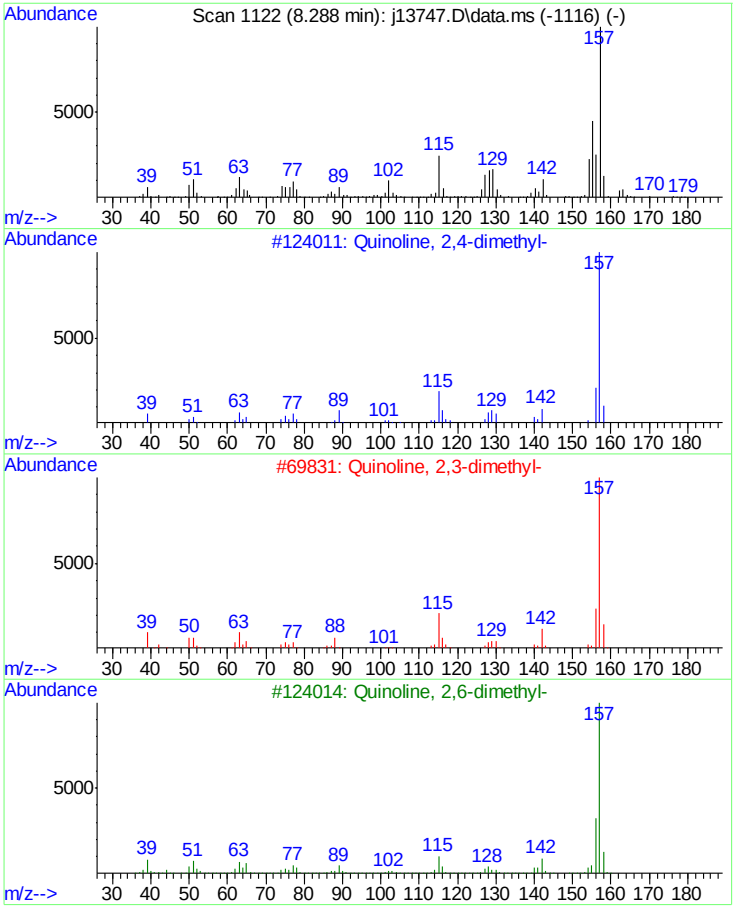

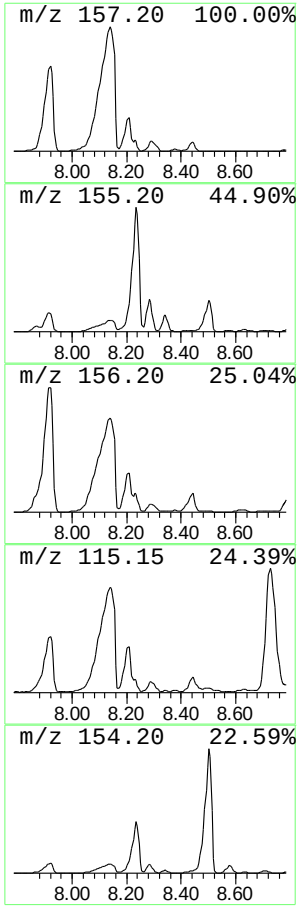

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ALS Vial : 23 Sample Multiplier: 1

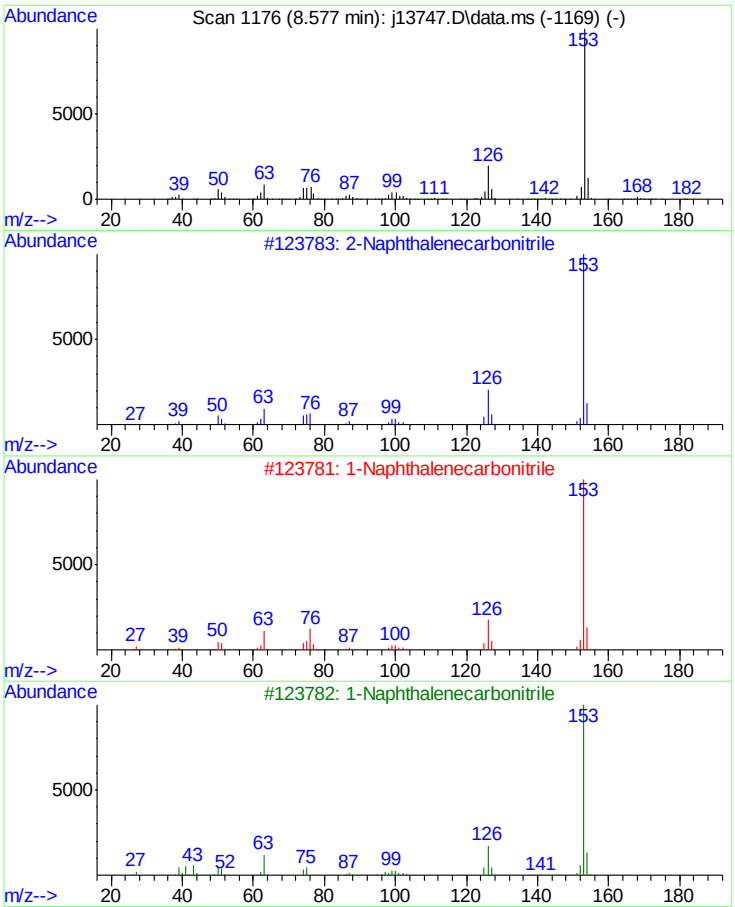
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

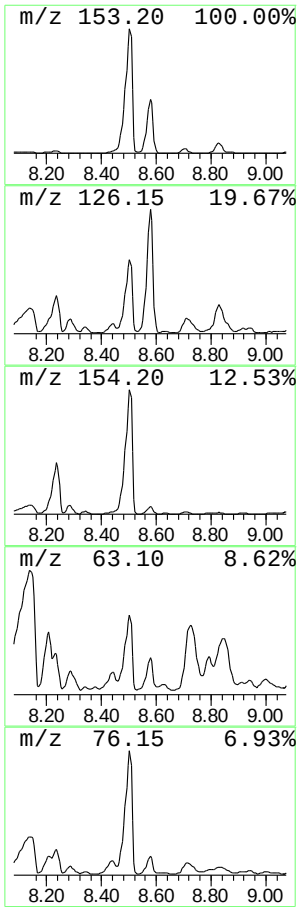
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2-Naphthalenecarbonitrile Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.577	15.74 ug/ml	3115440	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





Library Search Compound Report

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Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

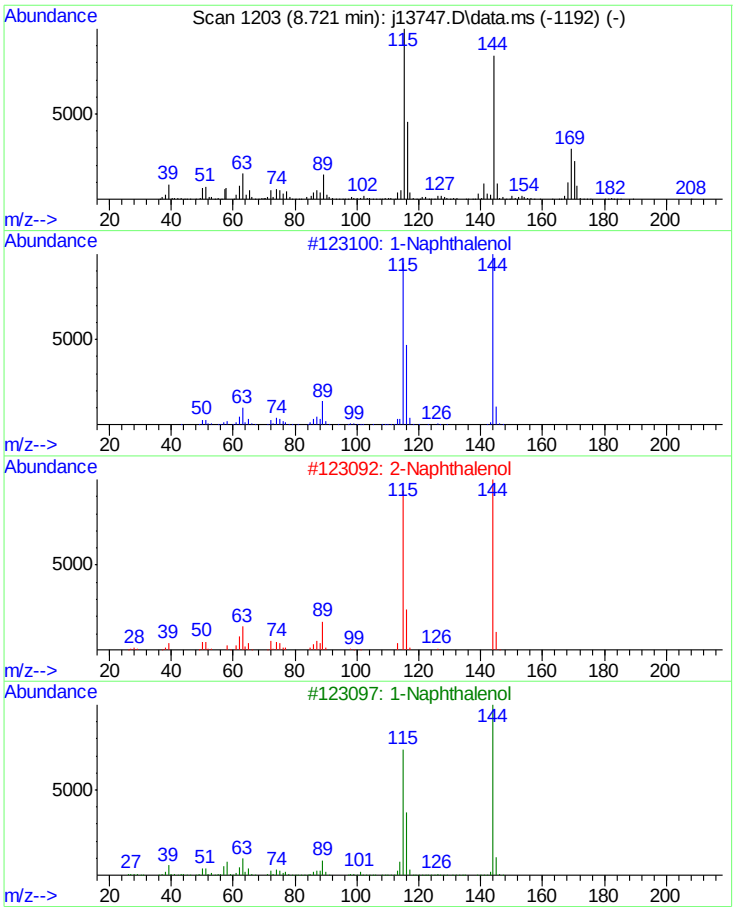
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

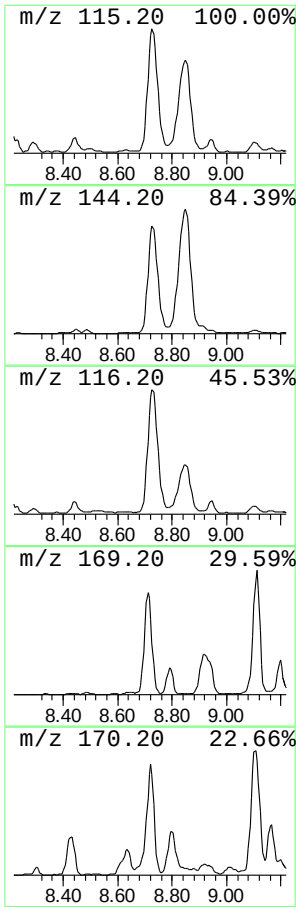
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-Naphthalenol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.721	78.15 ug/ml	15469800	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol	144	C10H8O	000090-15-3	96
2	2-Naphthalenol	144	C10H8O	000135-19-3	93
3	1-Naphthalenol	144	C10H8O	000090-15-3	89
4	2-Naphthalenol	144	C10H8O	000135-19-3	89
5	1-Naphthalenol	144	C10H8O	000090-15-3	89





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Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

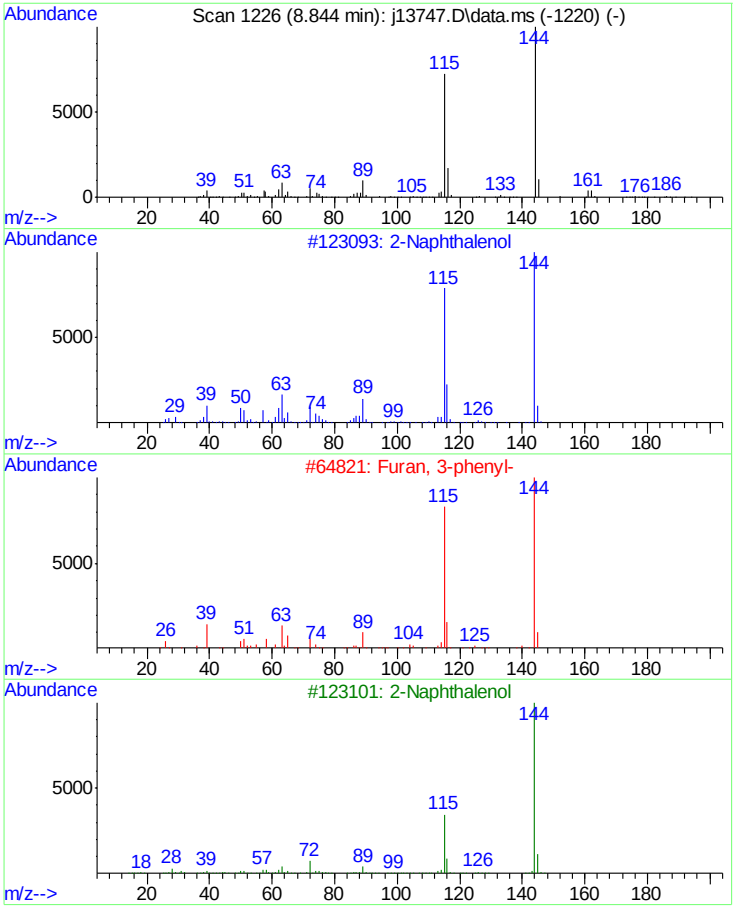
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

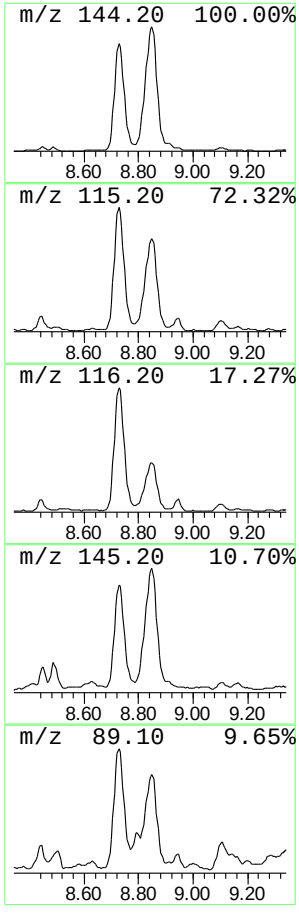
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Naphthalenol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.844	46.25 ug/ml	9154180	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	91
2	Furan, 3-phenyl-	144	C10H8O	013679-41-9	90
3	2-Naphthalenol	144	C10H8O	000135-19-3	90
4	Furan, 3-phenyl-	144	C10H8O	013679-41-9	90
5	2-Naphthalenol	144	C10H8O	000135-19-3	87





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Sample    : t39187-3
Misc      : op13205,Ej631,1000,,,1,1,water
ALS Vial  : 23   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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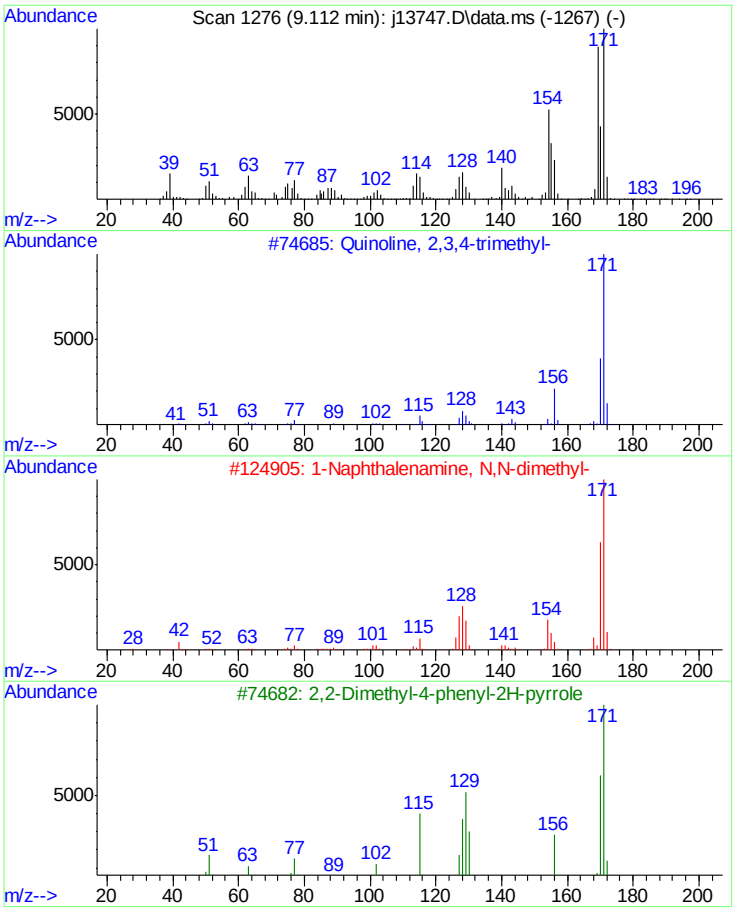
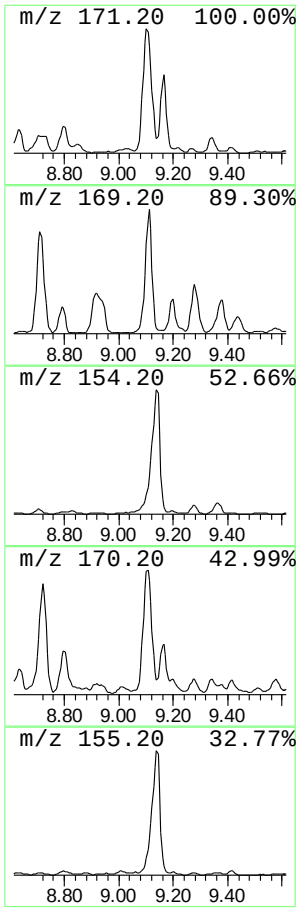
****

Peak Number 18 Quinoline, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.112	47.30 ug/ml	9361880	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,3,4-trimethyl-	171	C12H13N	002437-72-1	50
2	1-Naphthalenamine, N,N-dimethyl-	171	C12H13N	000086-56-6	43
3	2,2-Dimethyl-4-phenyl-2H-pyrrole	171	C12H13N	080541-54-4	41
4	2(1H)-Pyridinone, 4-phenyl-	171	C11H9NO	019006-81-6	38
5	Benzene, (dibromomethyl)-	248	C7H6Br2	000618-31-5	38





Library Search Compound Report

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Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

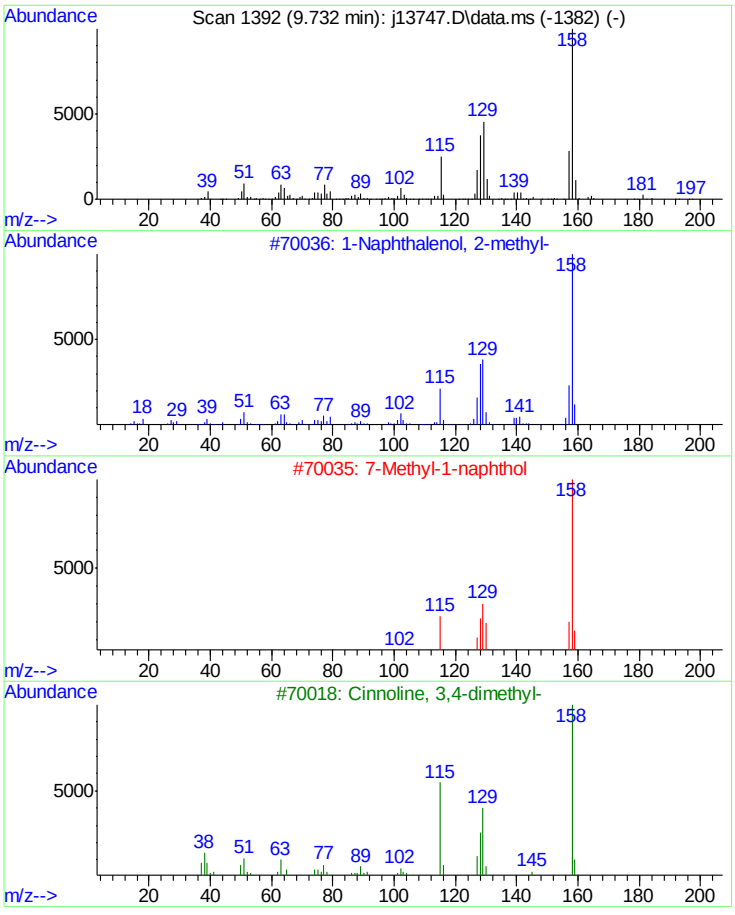
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

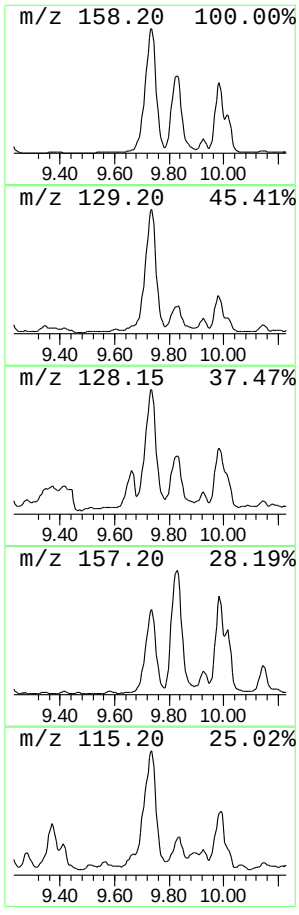
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1-Naphthalenol, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.732	37.01 ug/ml	7326070	Acenaphthene-d10	8.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	96
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	72
3	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	64
4	1,8-Naphthyridine, 2,6-dimethyl-	158	C10H10N2	014757-45-0	46
5	Naphthalene, 2-methoxy-	158	C11H10O	000093-04-9	46





Library Search Compound Report

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Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

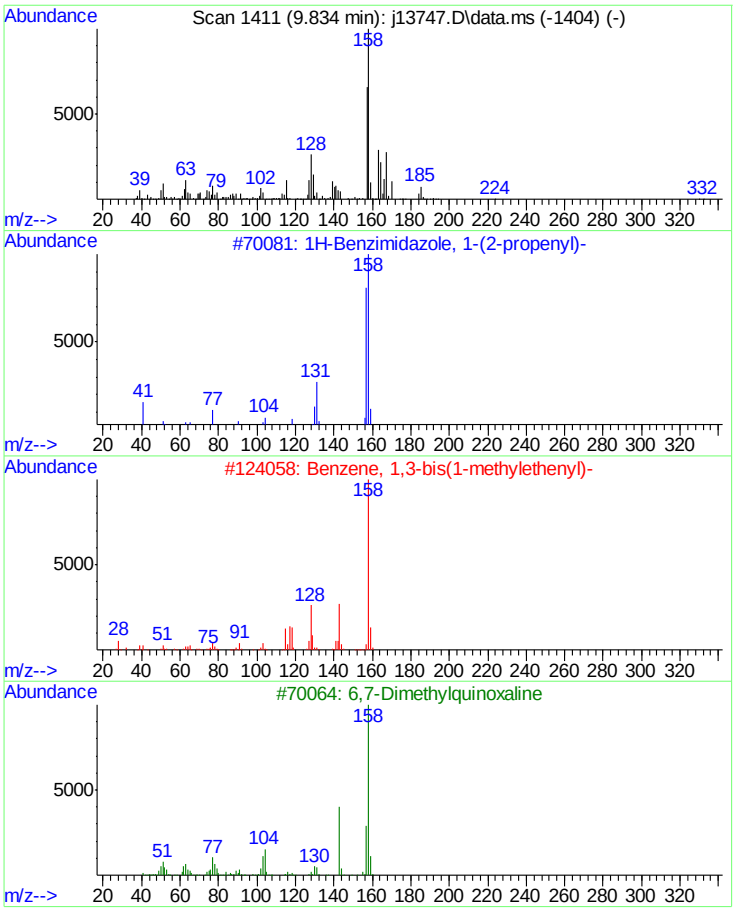
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

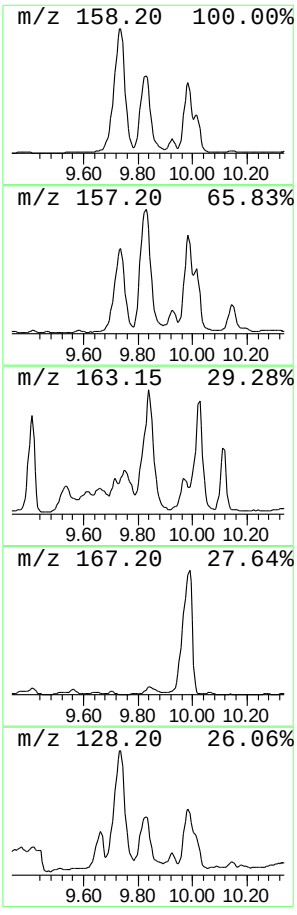
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Benzimidazole, 1-(2-prop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.834	39.00 ug/ml	4022010	Phenanthrene-d10	11.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	43
2	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	38
3	6,7-Dimethylquinoxaline	158	C10H10N2	1000128-23-0	38
4	2,4,4-Trimethyl-3,4-dihydroquino...	173	C12H15N	063177-93-5	37
5	1,3-Oxazolidine, 4-methyl-trans-...	264	C17H16N2O	1000138-86-9	37





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Acq On : 9 Oct 2009 8:26 pm
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Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

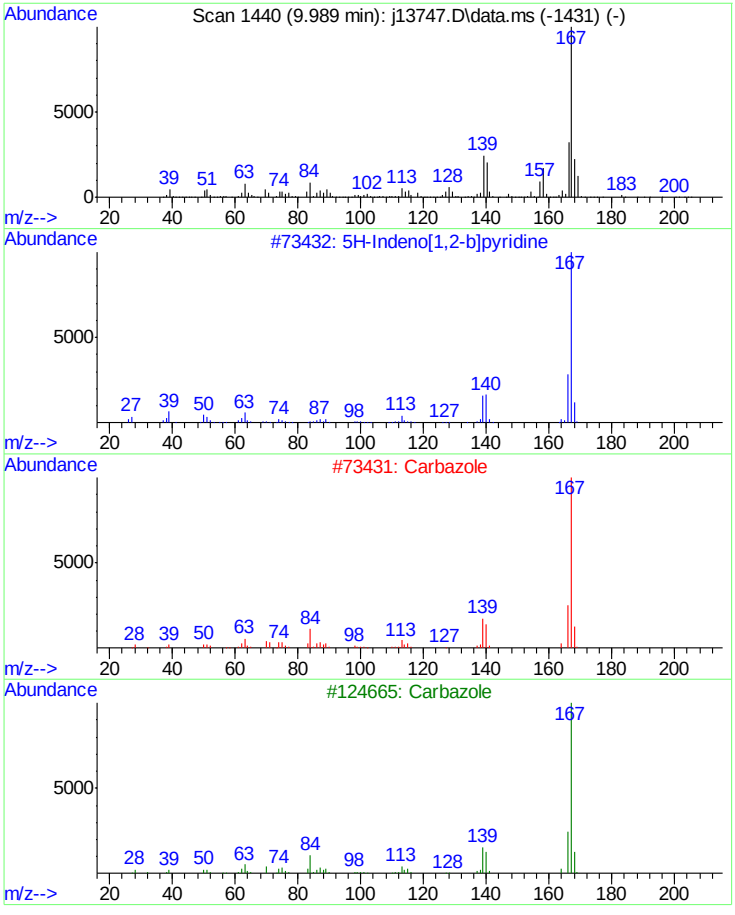
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

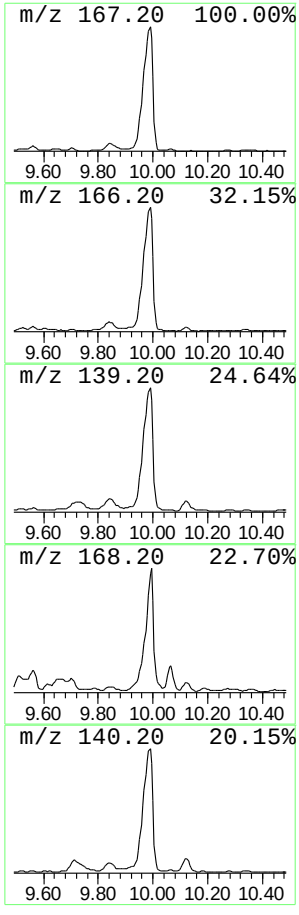
****

Peak Number 21 5H-Indeno[1,2-b]pyridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.989	153.12 ug/ml	15790800	Phenanthrene-d10	11.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	76
3	Carbazole	167	C12H9N	000086-74-8	76
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	68
5	Carbazole	167	C12H9N	000086-74-8	53





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Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

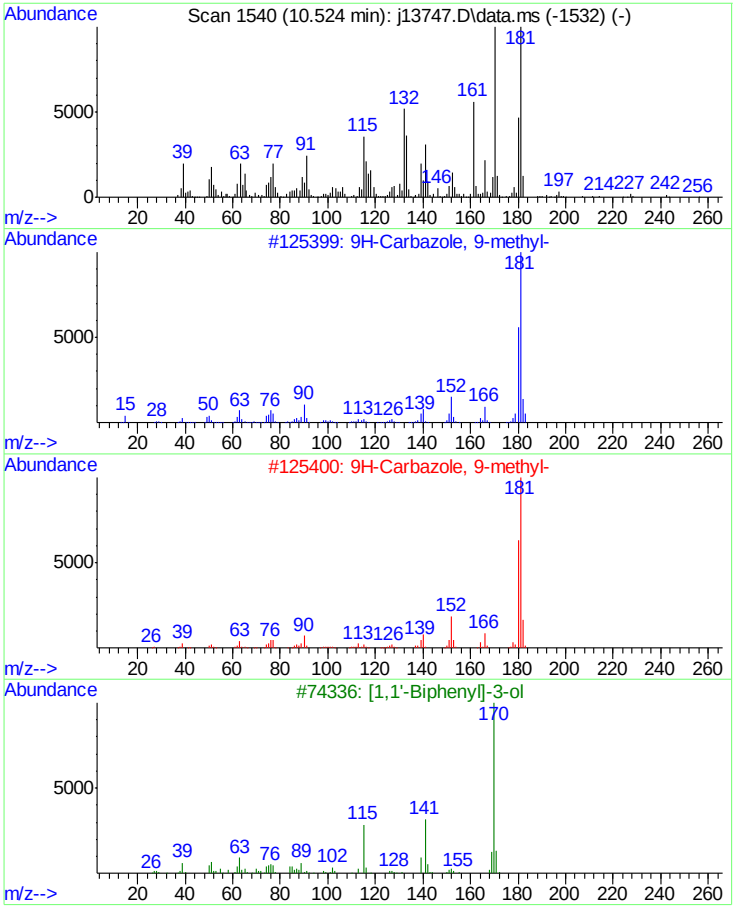
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

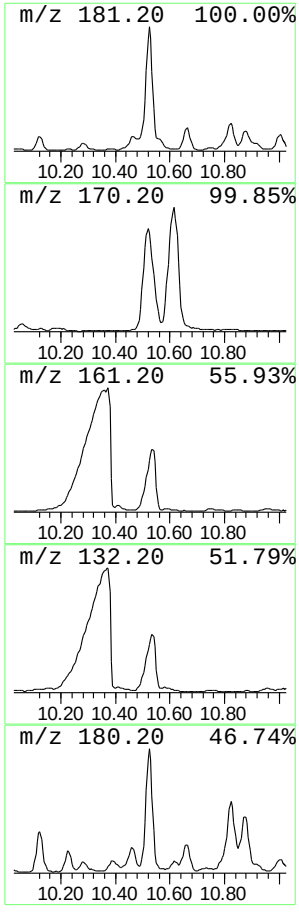
****

Peak Number 22 9H-Carbazole, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.524	46.89 ug/ml	4836100	Phenanthrene-d10	11.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	38
2	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	38
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	35
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	35
5	8-Methyl-4-azafluorene	181	C13H11N	1000216-51-8	30





Library Search Compound Report

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Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 23 p-Hydroxybiphenyl Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.615	22.99 ug/ml	2370450	Phenanthrene-d10	11.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	76
3	1-Isoquinolinecarbonitrile, 2-oxide	170	C10H6N2O	006969-11-5	62
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	62
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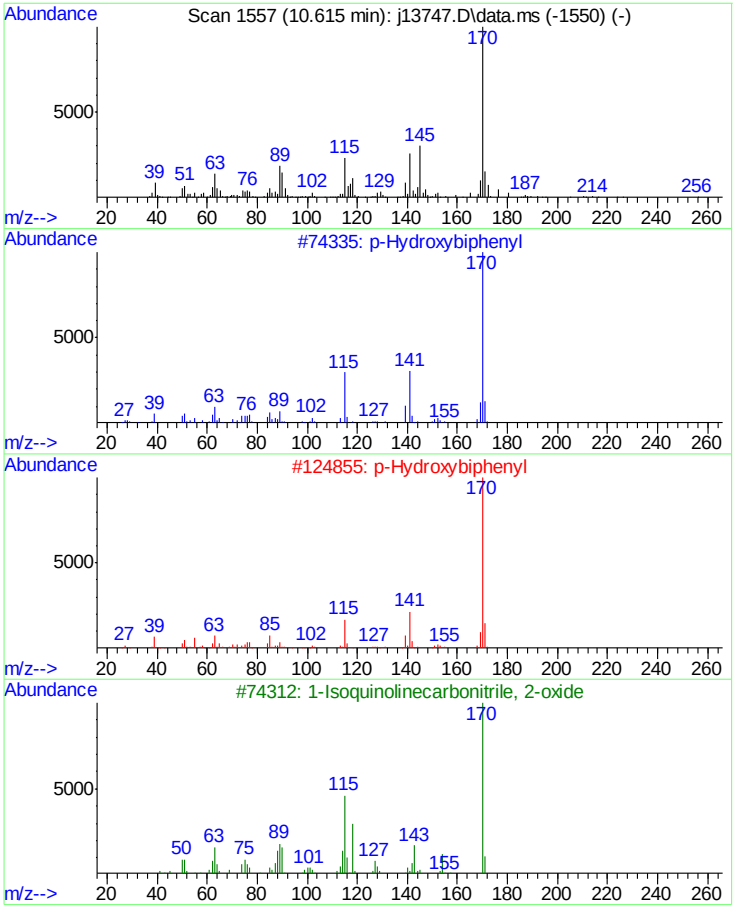

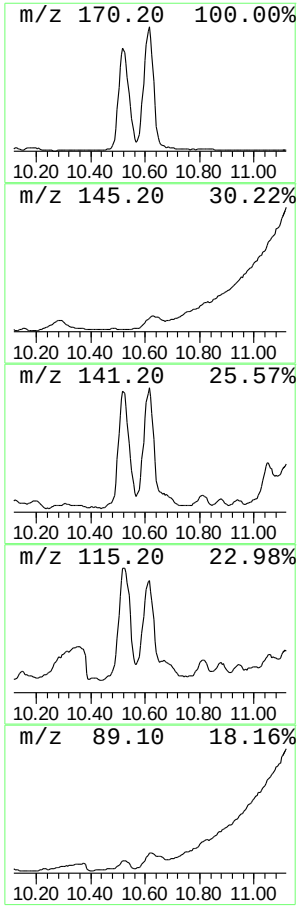

ACCUTEST Laboratories T39187

Library Search Compound Report

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Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

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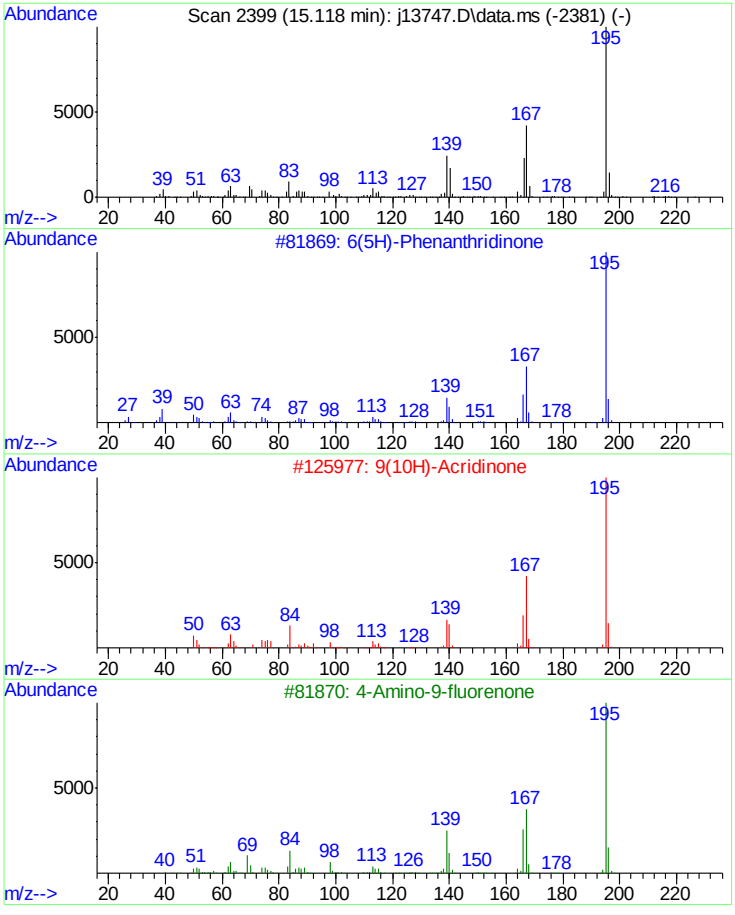
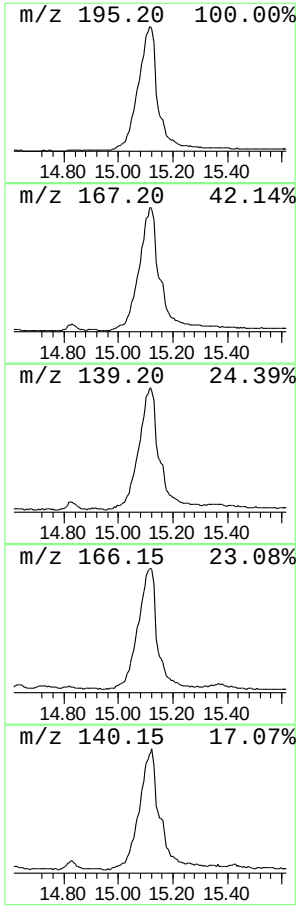
Peak Number 24 6(5H)-Phenanthridinone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.118	100.94 ug/ml	4364390	Chrysene-d12	16.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	97
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
5	8-Methyl-4-azafluorenone	195	C13H9NO	1000216-52-6	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

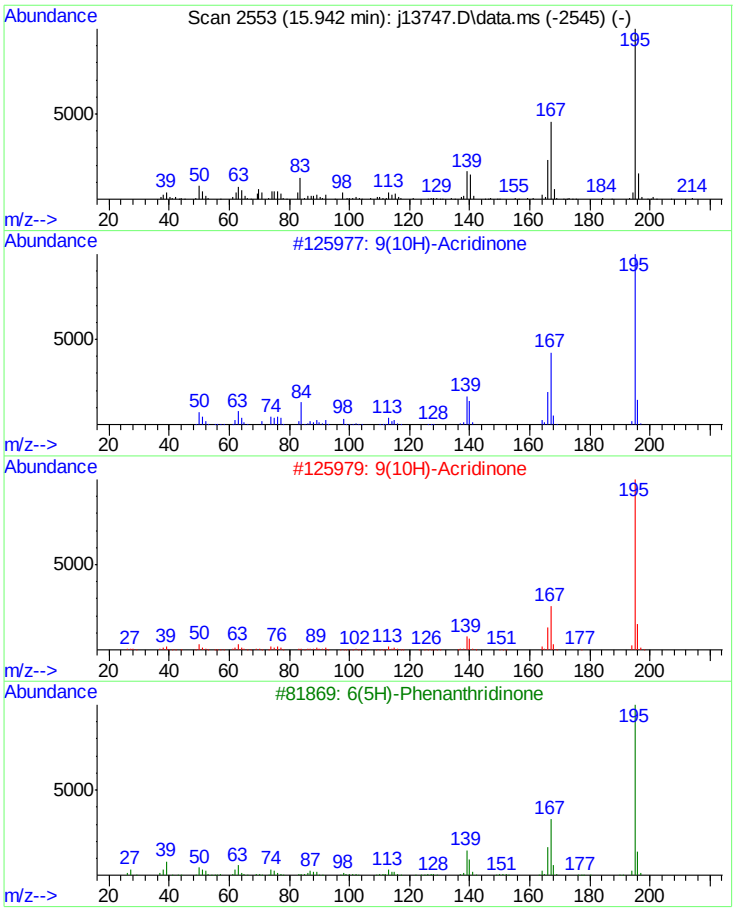
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

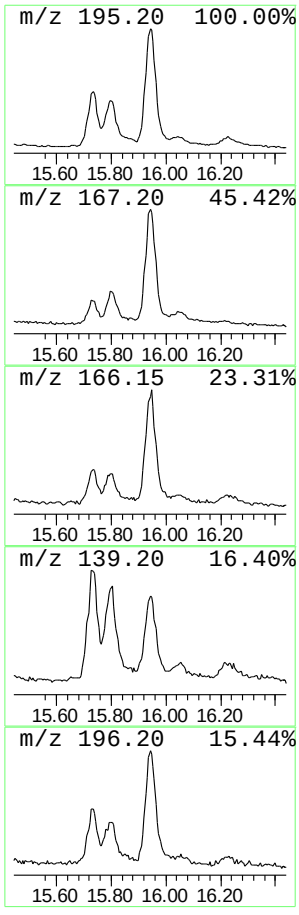
****

Peak Number 25 9(10H)-Acridinone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.942	18.88 ug/ml	816293	Chrysene-d12	16.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(10H)-Acridinone	195	C13H9NO	000578-95-0	98
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	95
3	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	95
4	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94





ACCUTEST Laboratories T39187

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13747.D
Acq On : 9 Oct 2009 8:26 pm
Operator : sheilac
Sample : t39187-3
Misc : op13205,Ej631,1000,,,1,1,water
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
2-Pentenal, (E)-	4.015	28.8	ug/ml	1732640	1	4.721	2408470	40.0
Pyridine, 2,3-d...	4.245	44.2	ug/ml	2661060	1	4.721	2408470	40.0
Pyridine, 2,4,6...	4.817	428.2	ug/ml	25782800	1	4.721	2408470	40.0
Pyridine, 2,4,6...	4.865	164.9	ug/ml	9927380	1	4.721	2408470	40.0
Pyridine, 2,5-d...	4.897	54.2	ug/ml	3262100	1	4.721	2408470	40.0
Pyridine, 2,3,6...	5.293	483.0	ug/ml	29081500	1	4.721	2408470	40.0
Phenol, 3,4-dim...	6.111	15.4	ug/ml	13830100	2	5.951	35796200	40.0
Isoquinoline, 1...	7.267	214.8	ug/ml	42524700	3	8.433	7917740	40.0
Quinoline, 2,3-...	7.737	92.9	ug/ml	18381500	3	8.433	7917740	40.0
Quinoline, 2,7-...	7.919	136.4	ug/ml	27007600	3	8.433	7917740	40.0
Quinoline, 2,4-...	8.144	287.3	ug/ml	56870600	3	8.433	7917740	40.0
Quinoline, 2,6-...	8.208	48.7	ug/ml	9646290	3	8.433	7917740	40.0
Pyridine, 2-phe...	8.235	30.7	ug/ml	6080240	3	8.433	7917740	40.0
Quinoline, dime...	8.288	17.7	ug/ml	3500020	3	8.433	7917740	40.0
2-Naphthaleneca...	8.577	15.7	ug/ml	3115440	3	8.433	7917740	40.0
1-Naphthalenol	8.721	78.2	ug/ml	15469800	3	8.433	7917740	40.0
2-Naphthalenol	8.844	46.3	ug/ml	9154180	3	8.433	7917740	40.0
Quinoline, 2,3,...	9.112	47.3	ug/ml	9361880	3	8.433	7917740	40.0
1-Naphthalenol,...	9.732	37.0	ug/ml	7326070	3	8.433	7917740	40.0
1H-Benzimidazol...	9.834	39.0	ug/ml	4022010	4	11.219	4125160	40.0
5H-Indeno[1,2-b...	9.989	153.1	ug/ml	15790800	4	11.219	4125160	40.0
9H-Carbazole, 9...	10.524	46.9	ug/ml	4836100	4	11.219	4125160	40.0
p-Hydroxybiphenyl	10.615	23.0	ug/ml	2370450	4	11.219	4125160	40.0
6(5H)-Phenanthr...	15.118	100.9	ug/ml	4364390	5	16.739	1729490	40.0
9(10H)-Acridinone	15.942	18.9	ug/ml	816293	5	16.739	1729490	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/14/09 10:49

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13743.D
Acq On : 9 Oct 2009 6:30 pm
Operator : sheilac
Sample : t39187-4,160x
Misc : op13205,Ej631,1000,,,1,160,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 15:19:35 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	570817	40.00	ug/ml	0.00
20) Naphthalene-d8	5.929	136	2010581	40.00	ug/ml	-0.02
36) Acenaphthene-d10	8.400	164	1001479	40.00	ug/ml	-0.02
57) Phenanthrene-d10	11.182	188	1229629	40.00	ug/ml	-0.02
71) Chrysene-d12	16.701	240	654424	40.00	ug/ml	-0.03
80) Perylene-d12	19.510	264	436589	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	0.000	112	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 66		Recovery	=	0.00%#	
5) Phenol-d5 (SURR)	0.000	99	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.00%#	
21) Nitrobenzene-d5 (SURR)	0.000	82	0d	0.00	ug/ml	
Spiked Amount 50.000	Range 29 - 115		Recovery	=	0.00%#	
40) 2-Fluorobiphenyl (SURR)	0.000	172	0d	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 113		Recovery	=	0.00%#	
62) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 32 - 128		Recovery	=	0.00%#	
74) Terphenyl-d14	14.546	244	4439	0.28	ug/ml	-0.05
Spiked Amount 50.000	Range 12 - 145		Recovery	=	0.56%#	
Target Compounds						Qvalue
6) Phenol	4.512	94	1364627m	56.32	ug/ml	
7) Aniline	4.469	93	59564	4.59	ug/ml	97
14) 2-Methylphenol	4.999	108	158854	9.35	ug/ml	99
16) 4-Methylphenol	5.143	108	669781	37.28	ug/ml	93
17) m+p-Cresols	5.143	108	669781	37.28	ug/ml	93
25) 2,4-Dimethylphenol	5.635	122	92028	5.84	ug/ml	100
30) Naphthalene	5.956	128	1762153	32.18	ug/ml	100
34) 2-Methylnaphthalene	6.801	142	66500	1.99	ug/ml	99
35) 1-Methylnaphthalene	6.935	142	41749	1.19	ug/ml	87
47) Acenaphthene	8.449	154	66683	2.39	ug/ml	99
68) Carbazole	11.711	167	38898	1.37	ug/ml	96

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13743.D
Acq On : 9 Oct 2009 6:30 pm
Operator : sheilac
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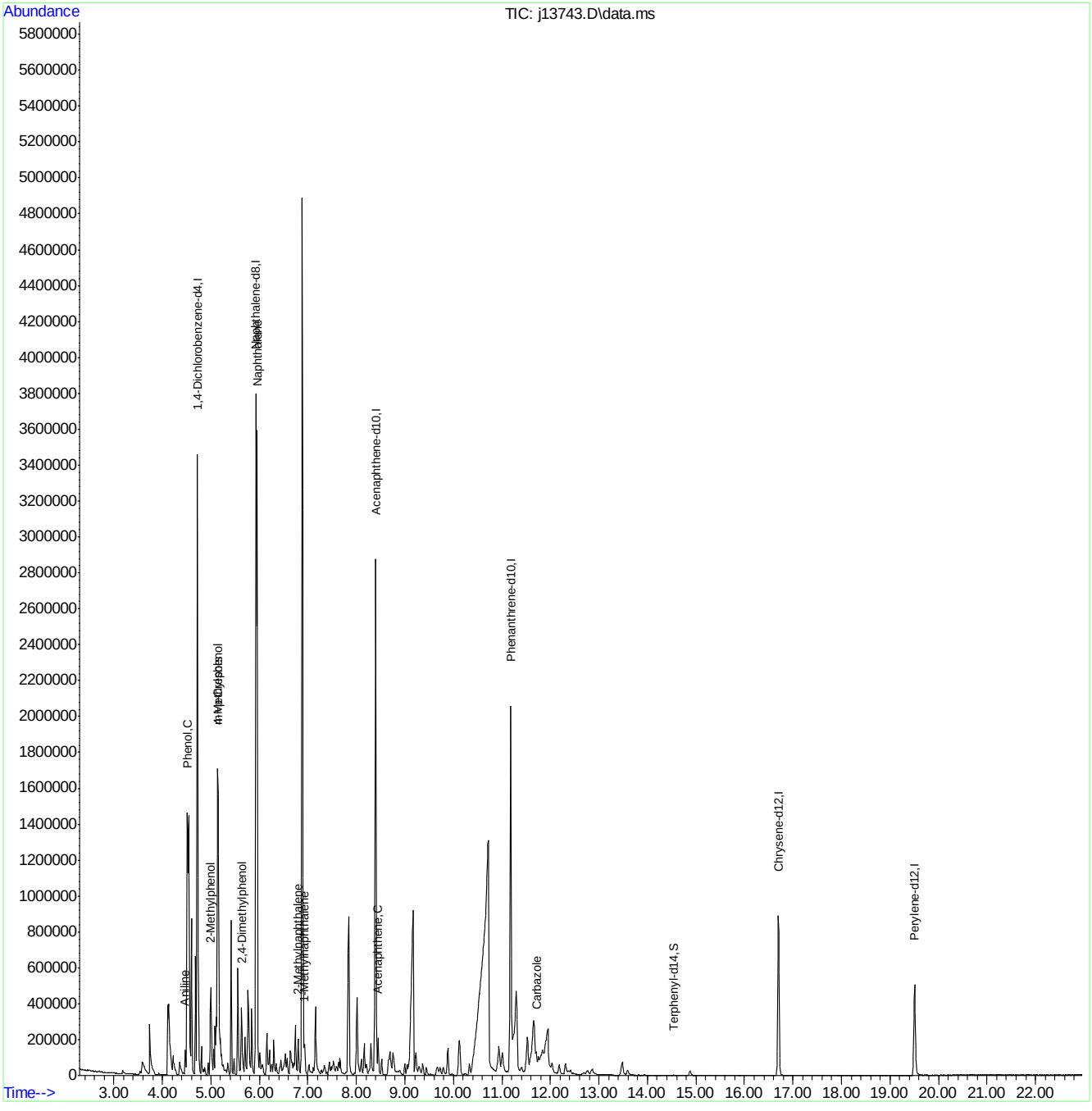
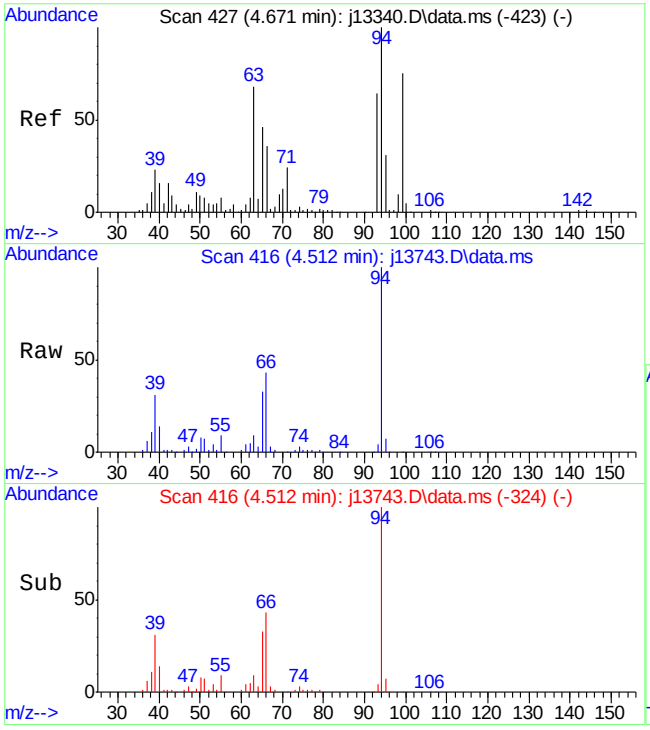


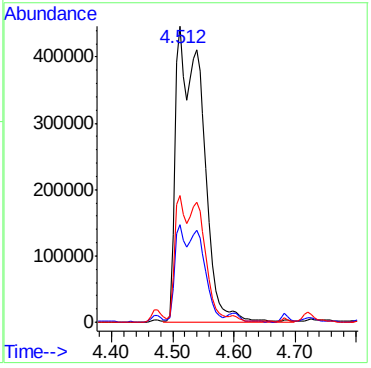
ACCUTEST Laboratories T39187

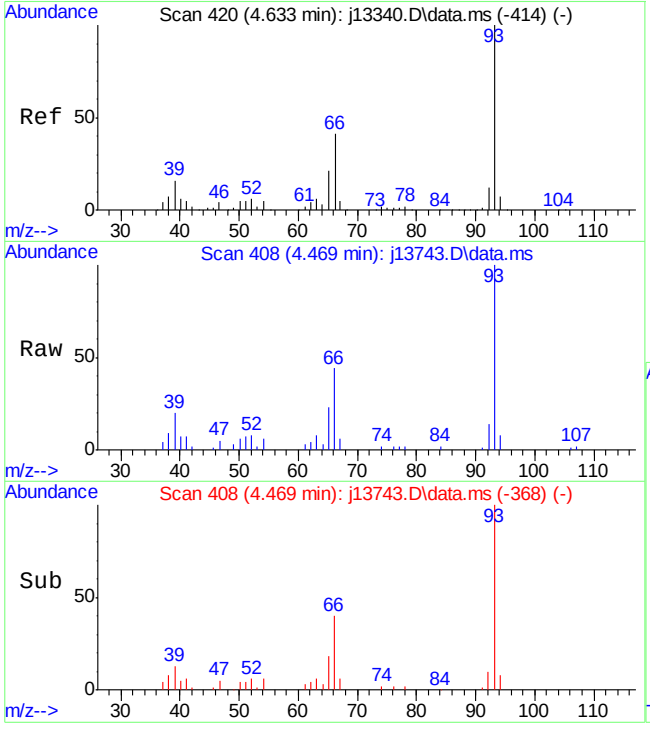


#6
Phenol
Concen: 56.32 ug/ml m
RT: 4.512 min Scan# 416
Delta R.T. -0.007 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion: 94 Resp: 1364627

Ion	Ratio	Lower	Upper
94	100		
65	13.0	35.3	75.3#
66	17.0	37.4	77.4#

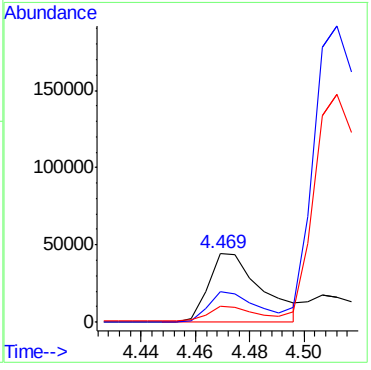


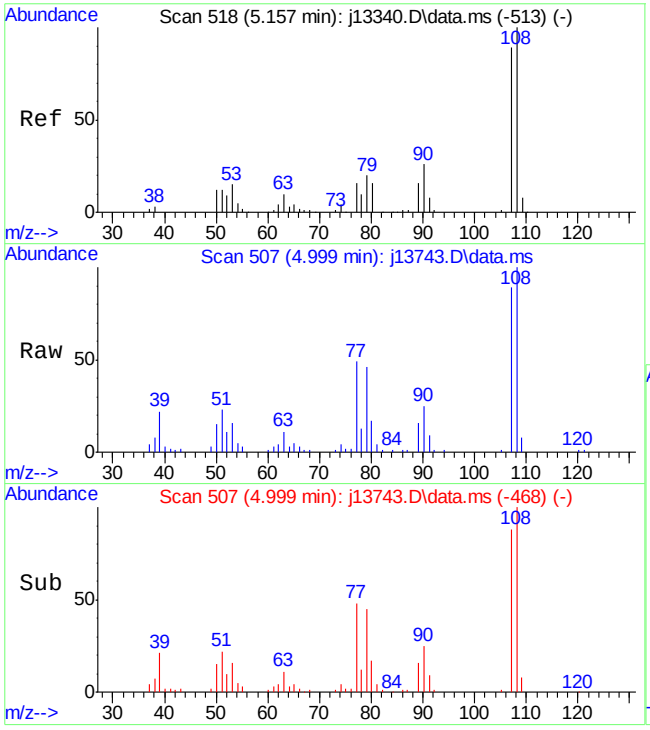


#7
Aniline
Concen: 4.59 ug/ml
RT: 4.469 min Scan# 408
Delta R.T. 0.014 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion: 93 Resp: 59564

Ion	Ratio	Lower	Upper
93	100		
66	40.1	21.2	61.2
65	19.5	2.0	42.0

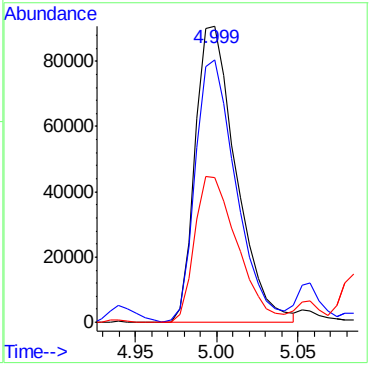


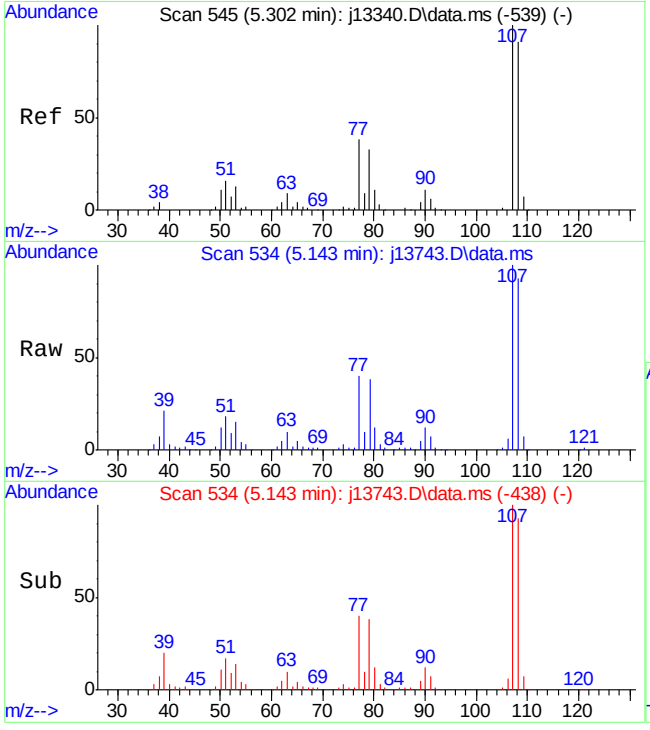


#14
2-Methylphenol
Concen: 9.35 ug/ml
RT: 4.999 min Scan# 507
Delta R.T. 0.007 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:108 Resp: 158854

Ion	Ratio	Lower	Upper
108	100		
107	88.3	69.0	109.0
77	51.4	30.1	70.1

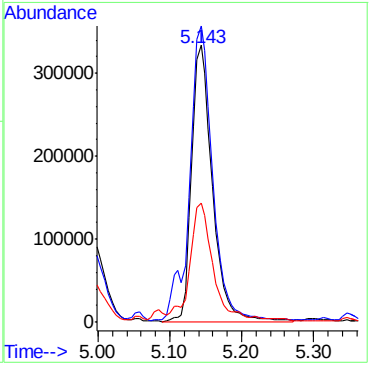


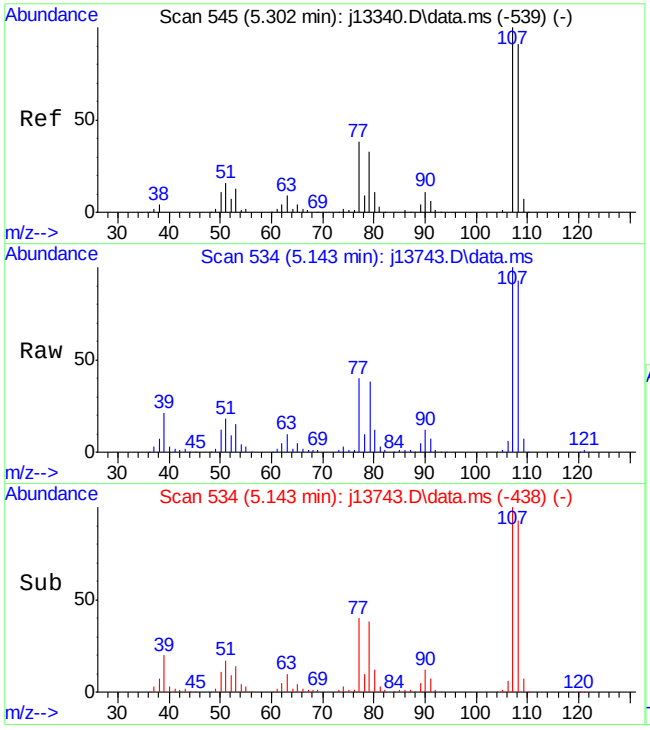


#16
4-Methylphenol
Concen: 37.28 ug/ml
RT: 5.143 min Scan# 534
Delta R.T. 0.014 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:108 Resp: 669781

Ion	Ratio	Lower	Upper
108	100		
107	118.6	90.0	130.0
77	44.0	20.6	60.6

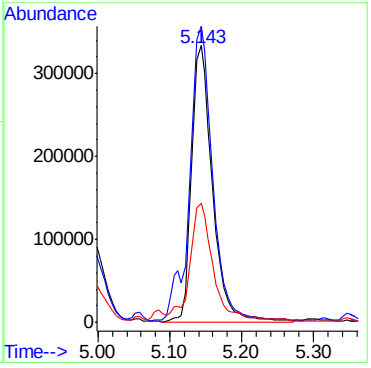


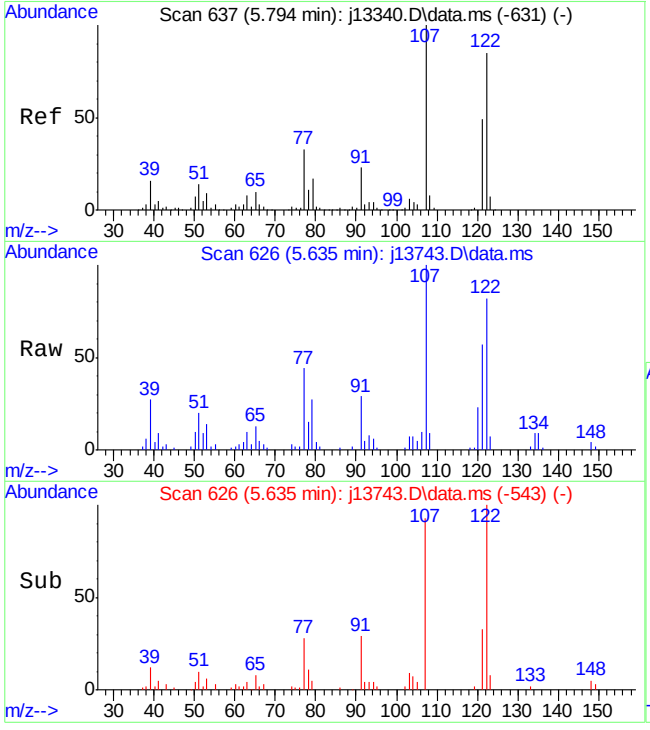


#17
m+p-Cresols
Concen: 37.28 ug/ml
RT: 5.143 min Scan# 534
Delta R.T. 0.014 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:108 Resp: 669781

Ion	Ratio	Lower	Upper
108	100		
107	118.6	90.0	130.0
77	44.0	20.6	60.6

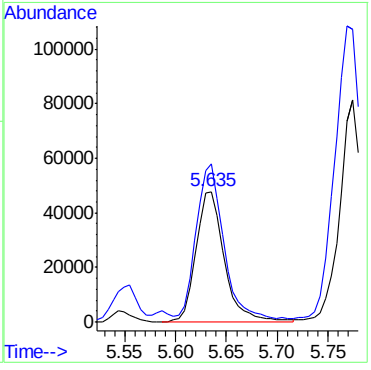


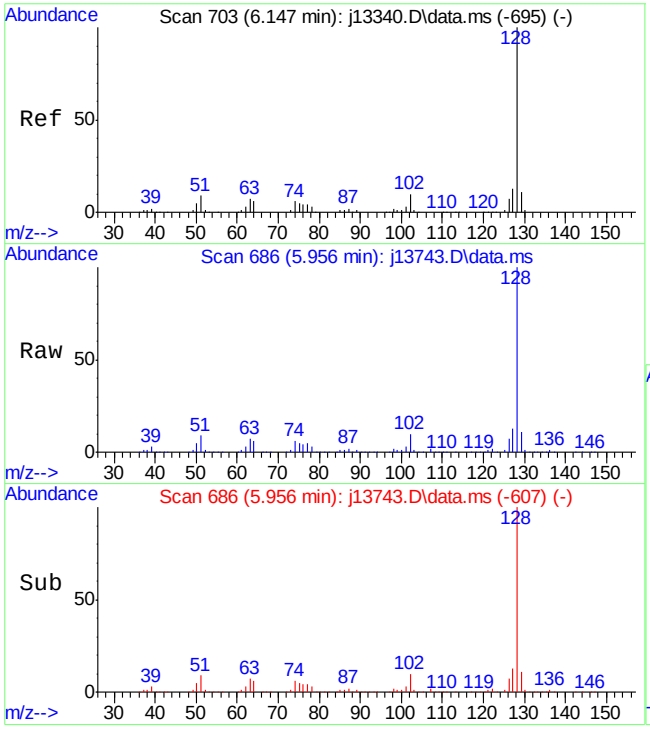


#25
2,4-Dimethylphenol
Concen: 5.84 ug/ml
RT: 5.635 min Scan# 626
Delta R.T. -0.058 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:122 Resp: 92028

Ion	Ratio	Lower	Upper
122	100		
107	116.7	96.7	136.7

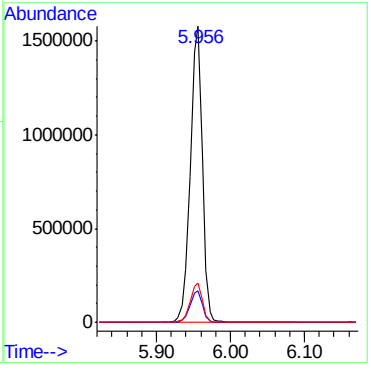


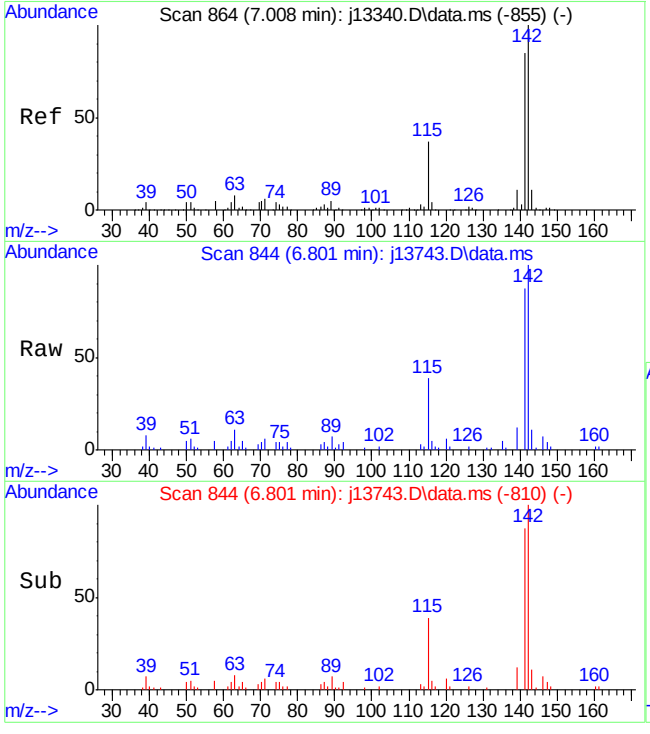


#30
Naphthalene
Concen: 32.18 ug/ml
RT: 5.956 min Scan# 686
Delta R.T. -0.078 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:128 Resp: 1762153

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	30.9
127	13.4	0.0	33.4

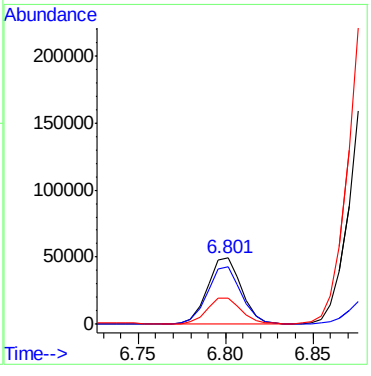


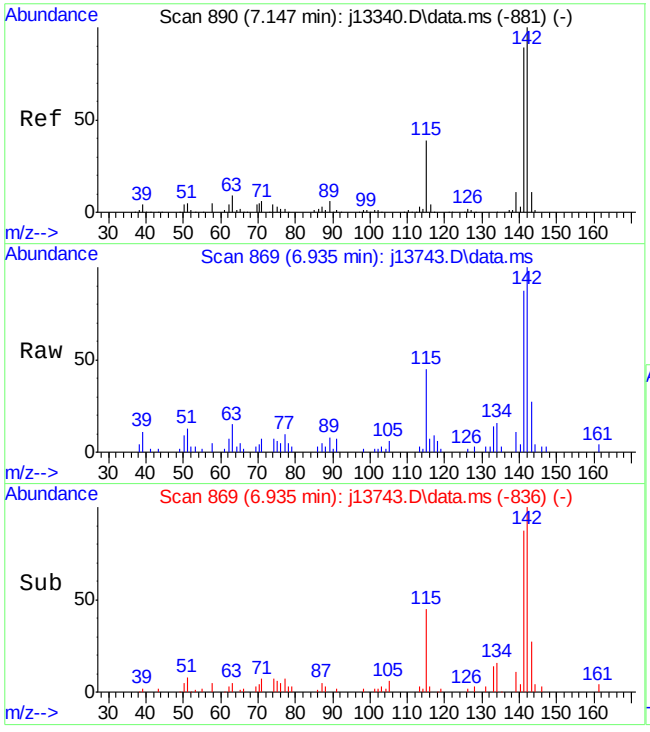


#34
2-Methylnaphthalene
Concen: 1.99 ug/ml
RT: 6.801 min Scan# 844
Delta R.T. -0.016 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:142 Resp: 66500

Ion	Ratio	Lower	Upper
142	100		
141	86.2	66.2	106.2
115	40.3	17.8	57.8

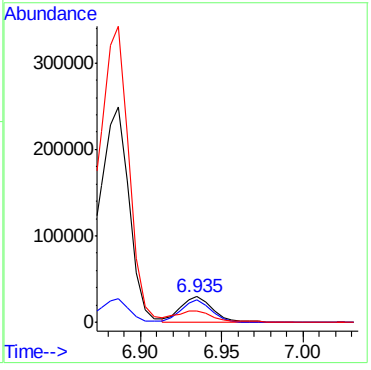


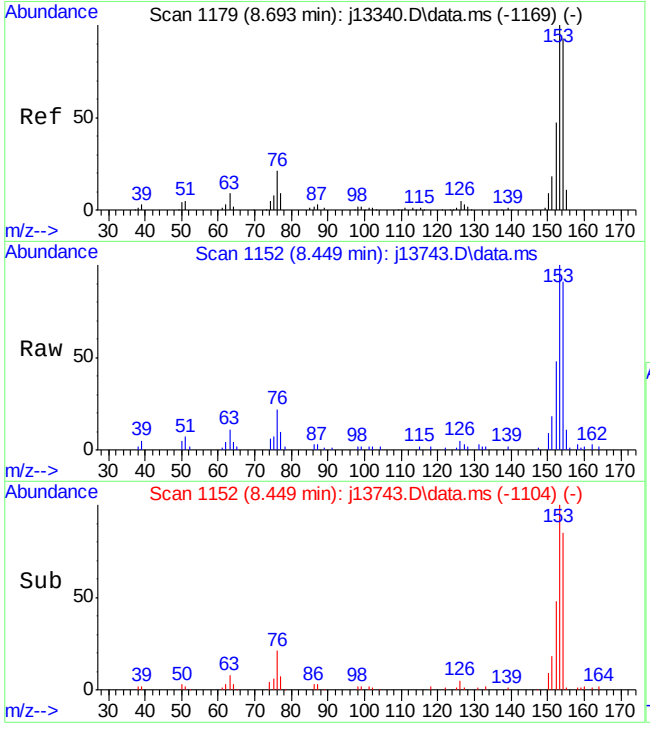


#35
1-Methylnaphthalene
Concen: 1.19 ug/ml
RT: 6.935 min Scan# 869
Delta R.T. -0.021 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:142 Resp: 41749

Ion	Ratio	Lower	Upper
142	100		
141	81.1	69.4	109.4
115	52.4	18.9	58.9

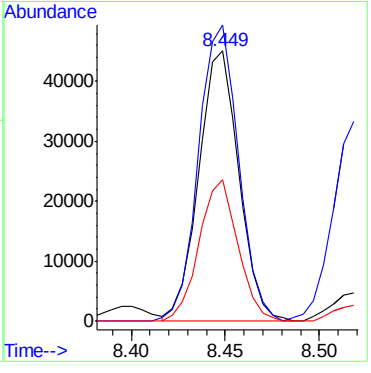


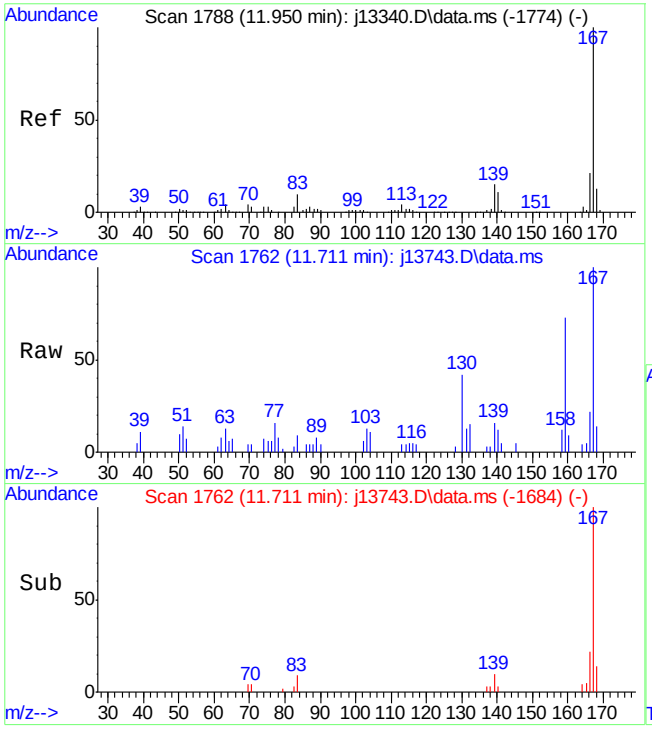


#47
Acenaphthene
Concen: 2.39 ug/ml
RT: 8.449 min Scan# 1152
Delta R.T. -0.245 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:154 Resp: 66683

Ion	Ratio	Lower	Upper
154	100		
153	109.4	87.9	127.9
152	50.4	31.3	71.3

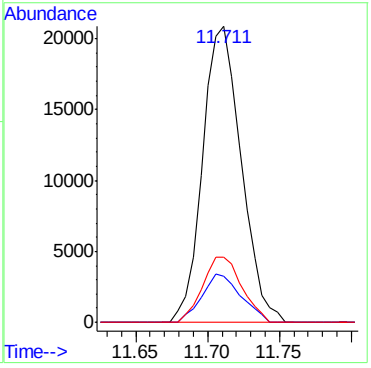




#68
Carbazole
Concen: 1.37 ug/ml
RT: 11.711 min Scan# 1762
Delta R.T. -0.082 min
Lab File: j13743.D
Acq: 9 Oct 2009 6:30 pm

Tgt Ion:167 Resp: 38898

Ion	Ratio	Lower	Upper
167	100		
139	16.5	0.0	34.1
166	22.5	0.9	40.9



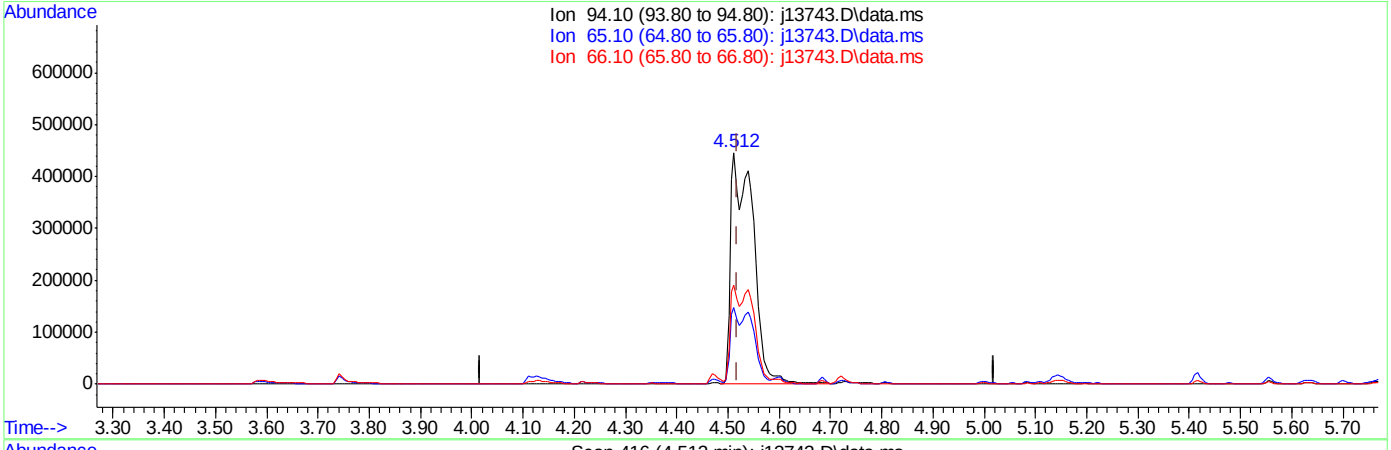
8.1.9

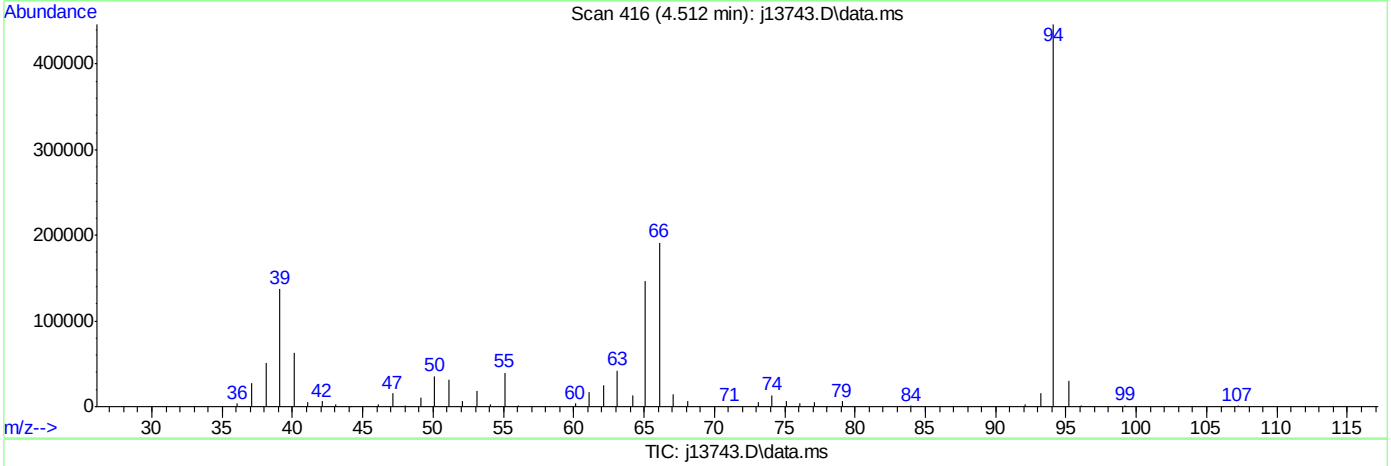
8

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13743.D
Acq On : 9 Oct 2009 6:30 pm
Operator : sheilac
Sample : t39187-4,160x
Misc : op13205,Ej631,1000,,,1,160,water
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 15:19:35 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13743.D\data.ms

(6) Phenol (C)

4.512min (-0.007) 56.32ug/ml m

response 1364627

Ion	Exp%	Act%
94.10	100	100
65.10	55.30	13.02#
66.10	57.40	17.00#
0.00	0.00	0.00

ACCUTEST Laboratories

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/14/09 10:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 26 15:19:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

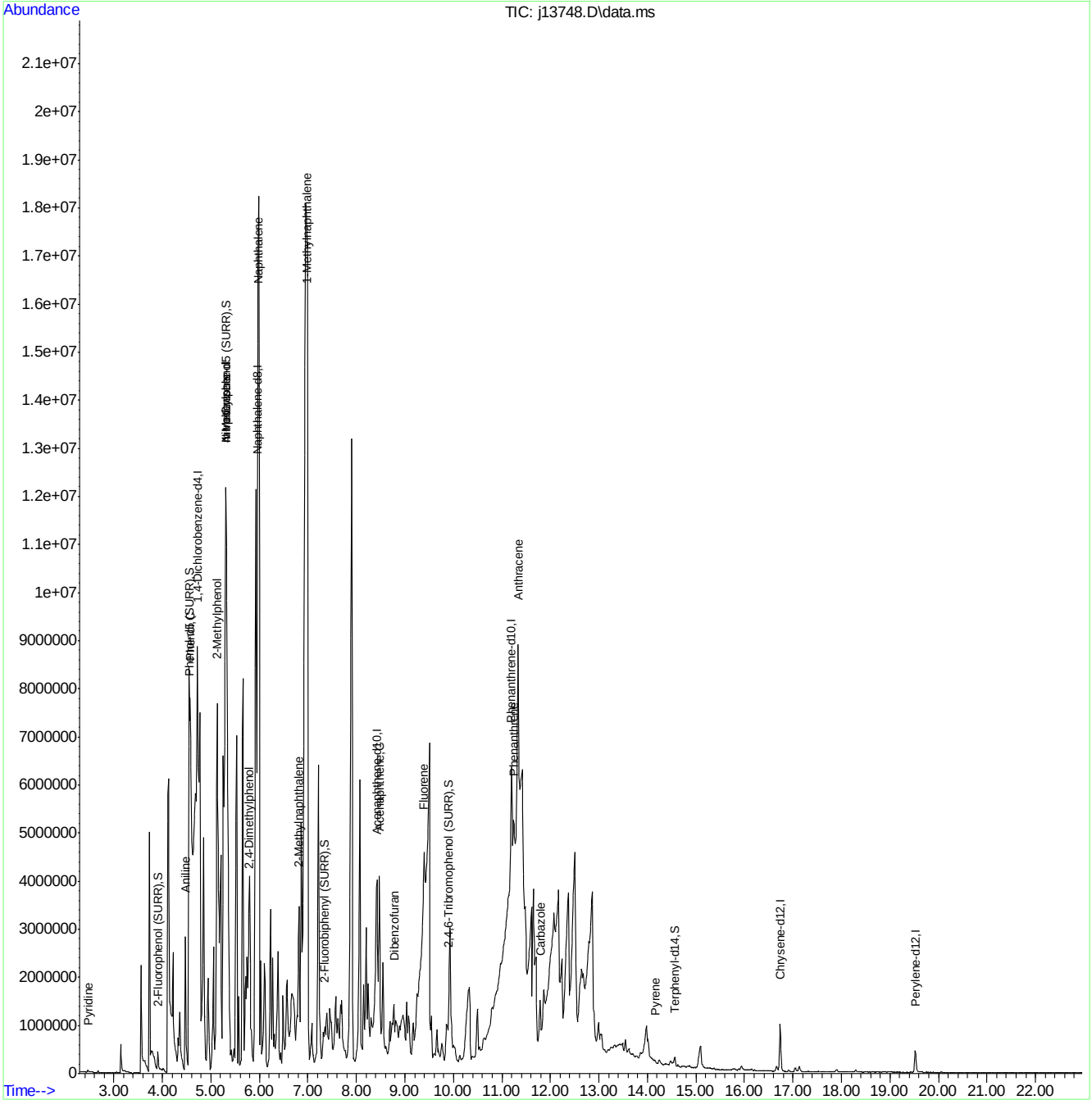
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.720	152	569879	40.00	ug/ml	0.00
20) Naphthalene-d8	5.961	136	2028961	40.00	ug/ml	0.02
36) Acenaphthene-d10	8.422	164	992096	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.198	188	1390154	40.00	ug/ml	0.00
71) Chrysene-d12	16.739	240	671400	40.00	ug/ml	0.00
80) Perylene-d12	19.520	264	372010	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.907	112	76498	4.28	ug/ml	0.23
Spiked Amount 100.000	Range 10 - 66		Recovery	=	4.28%#	
5) Phenol-d5 (SURR)	4.565	99	41835	1.87	ug/ml	0.07
Spiked Amount 100.000	Range 10 - 53		Recovery	=	1.87%#	
21) Nitrobenzene-d5 (SURR)	5.309	82	48297	2.27	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery	=	4.54%#	
40) 2-Fluorobiphenyl (SURR)	7.347	172	133936	4.05	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery	=	8.10%#	
62) 2,4,6-Tribromophenol (...	9.909	330	25076	5.36	ug/ml	-0.05
Spiked Amount 100.000	Range 32 - 128		Recovery	=	5.36%#	
74) Terphenyl-d14	14.567	244	75746	4.72	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery	=	9.44%#	
Target Compounds						Qvalue
3) Pyridine	2.463	79	21295	1.26	ug/ml	81
6) Phenol	4.576	94	22486204m	929.62	ug/ml	
7) Aniline	4.474	93	1041601	38.25	ug/ml	99
14) 2-Methylphenol	5.127	108	3311984m	195.32	ug/ml	
16) 4-Methylphenol	5.309	108	11194250m	624.05	ug/ml	
17) m+p-Cresols	5.309	108	11194250m	624.05	ug/ml	
25) 2,4-Dimethylphenol	5.779	122	1412007m	88.87	ug/ml	
30) Naphthalene	5.983	128	23736372	429.53	ug/ml	99
34) 2-Methylnaphthalene	6.817	142	1110664	32.90	ug/ml	100
35) 1-Methylnaphthalene	6.983	142	787237m	22.26	ug/ml	
47) Acenaphthene	8.475	154	1217615	44.11	ug/ml	100
50) Dibenzofuran	8.775	168	563727	14.30	ug/ml	98
54) Fluorene	9.390	166	479438	13.95	ug/ml	97
66) Phenanthrene	11.240	178	525369	12.68	ug/ml	94
67) Anthracene	11.331	178	663702m	16.64	ug/ml	
68) Carbazole	11.786	167	643815	20.05	ug/ml	99
73) Pyrene	14.155	202	24526	1.04	ug/ml	89

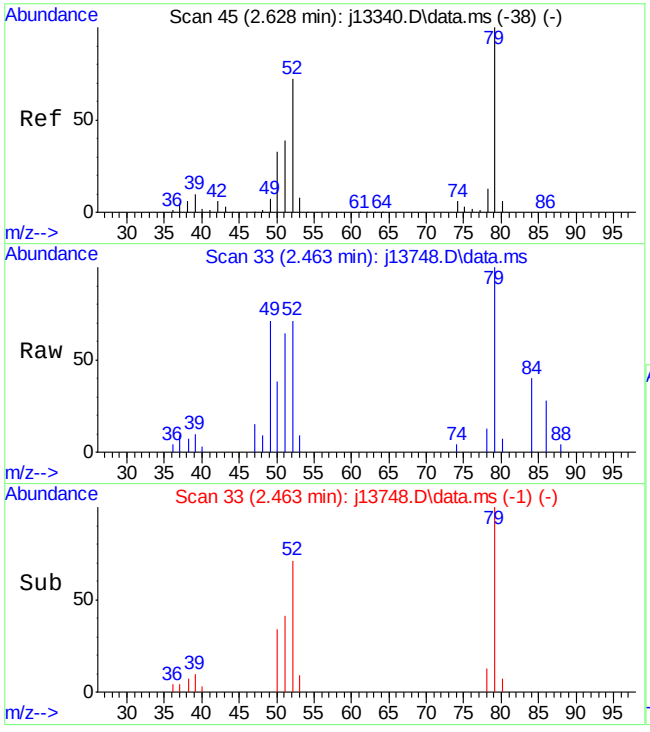
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 26 15:19:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration

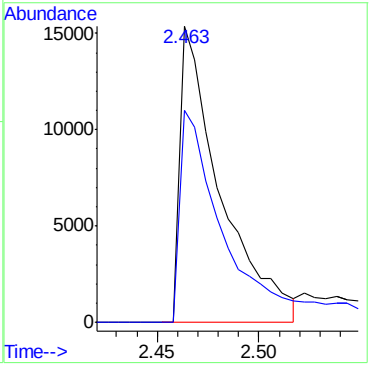


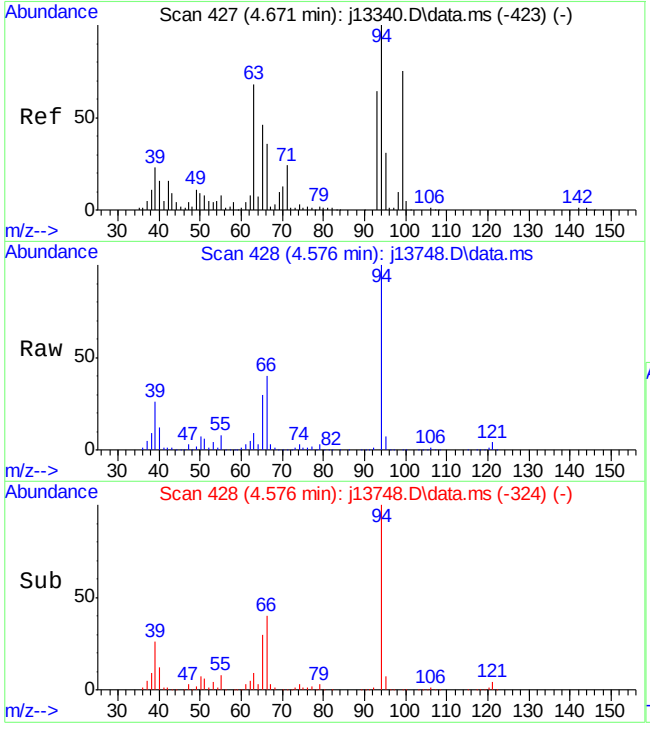


#3
Pyridine
Concen: 1.26 ug/ml
RT: 2.463 min Scan# 33
Delta R.T. 0.031 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion: 79 Resp: 21295

Ion	Ratio	Lower	Upper
79	100		
52	88.1	52.6	92.6

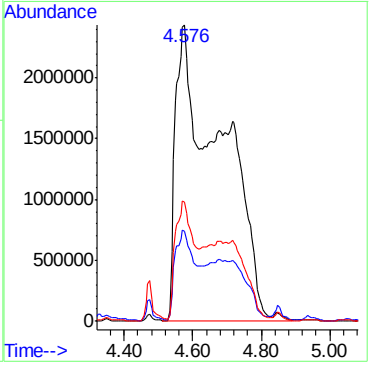


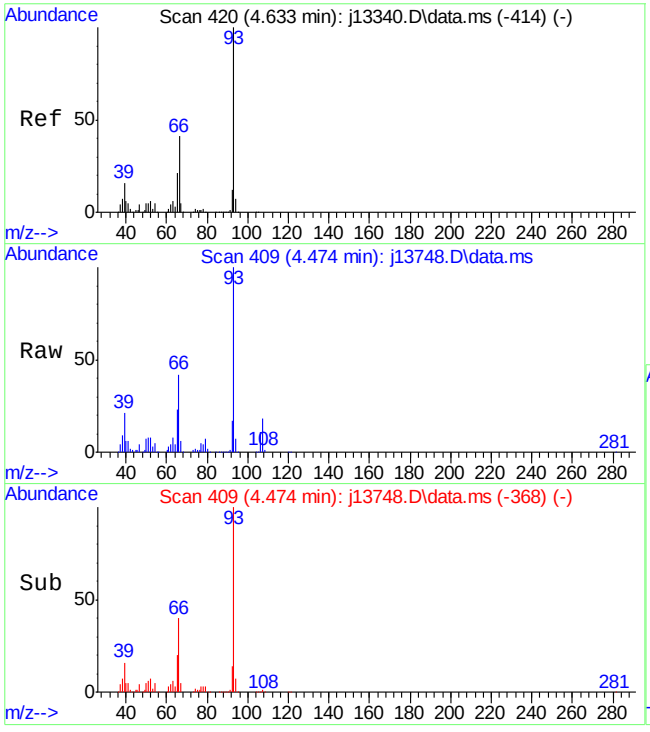


#6
Phenol
Concen: 929.62 ug/ml m
RT: 4.576 min Scan# 428
Delta R.T. 0.057 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion: 94 Resp:22486204

Ion	Ratio	Lower	Upper
94	100		
65	1.0	35.3	75.3#
66	1.9	37.4	77.4#

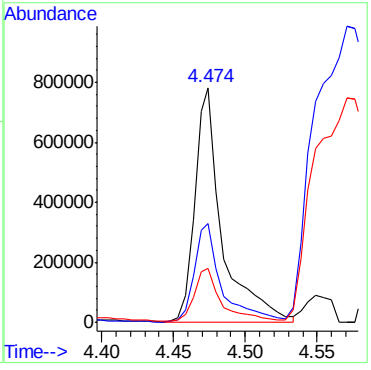


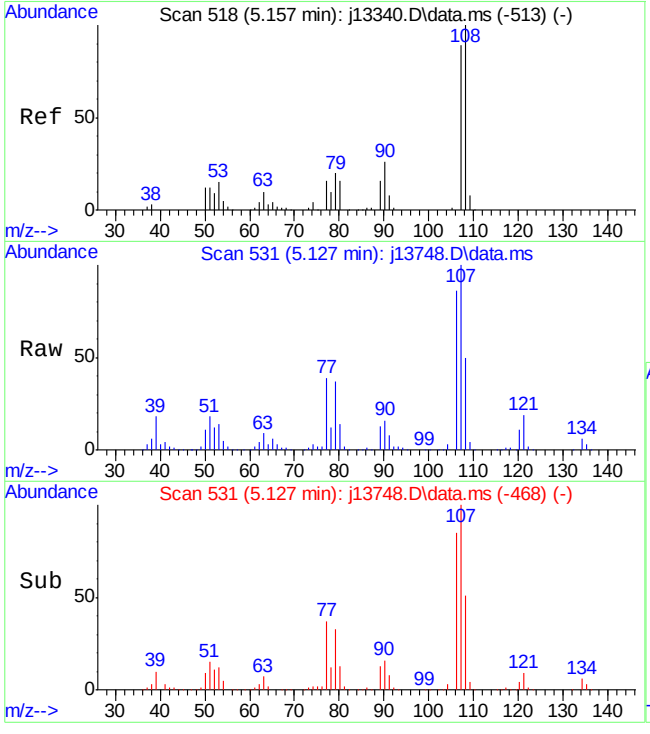


#7
Aniline
Concen: 38.25 ug/ml
RT: 4.474 min Scan# 409
Delta R.T. 0.020 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion: 93 Resp: 1041601

Ion	Ratio	Lower	Upper
93	100		
66	42.0	21.2	61.2
65	21.8	2.0	42.0

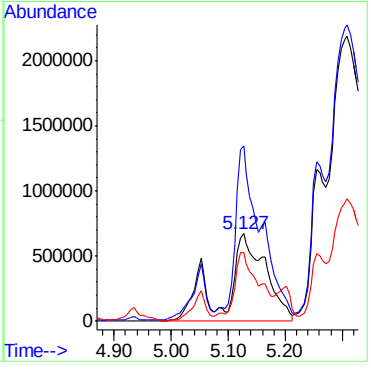


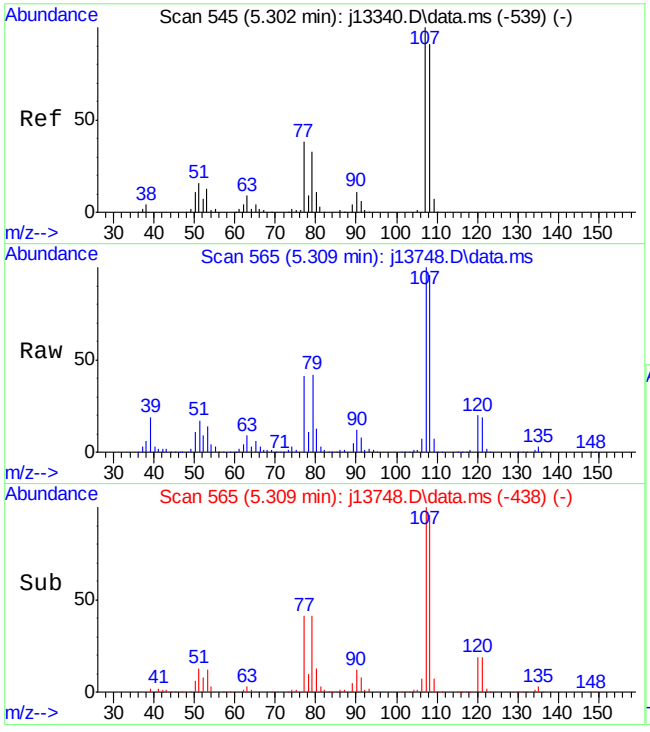


#14
2-Methylphenol
Concen: 195.32 ug/ml m
RT: 5.127 min Scan# 531
Delta R.T. 0.135 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:108 Resp: 3311984

Ion	Ratio	Lower	Upper
108	100		
107	22.1	69.0	109.0#
77	11.1	30.1	70.1#

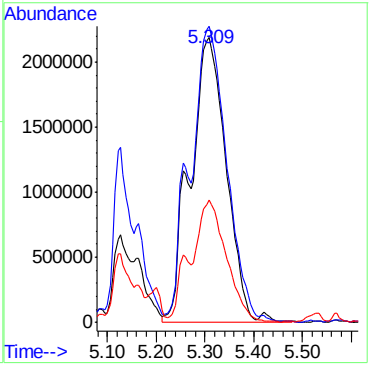


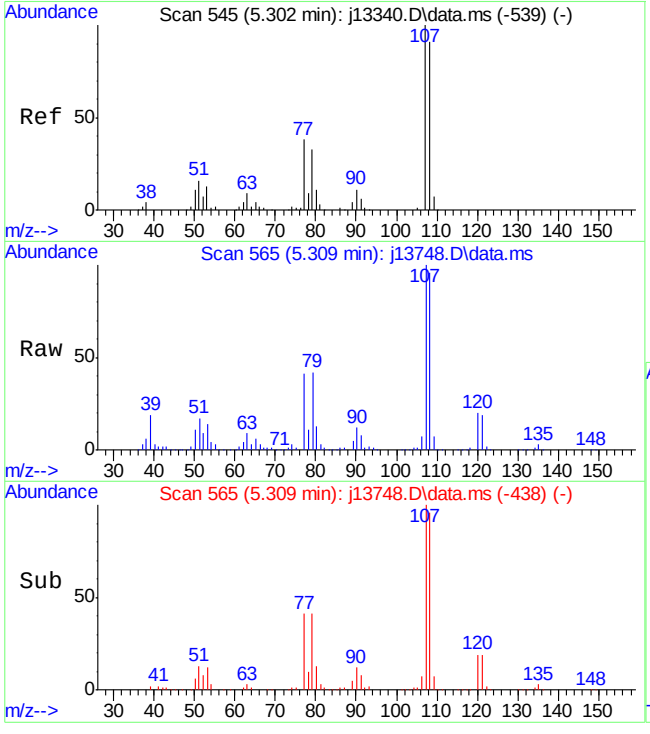


#16
4-Methylphenol
Concen: 624.05 ug/ml m
RT: 5.309 min Scan# 565
Delta R.T. 0.180 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:108 Resp:11194250

Ion	Ratio	Lower	Upper
108	100		
107	6.5	90.0	130.0#
77	3.3	20.6	60.6#

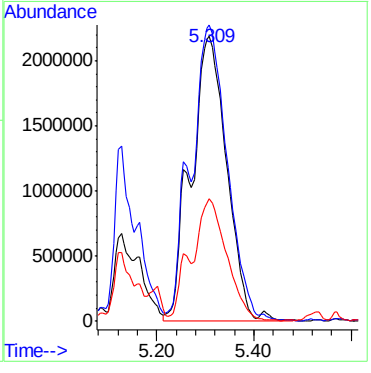


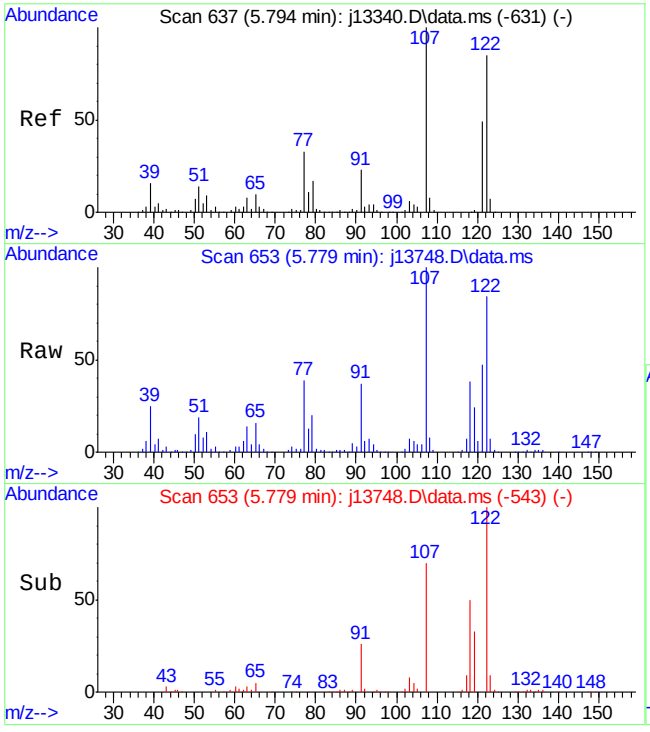


#17
m+p-Cresols
Concen: 624.05 ug/ml m
RT: 5.309 min Scan# 565
Delta R.T. 0.180 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:108 Resp:11194250

Ion	Ratio	Lower	Upper
108	100		
107	6.5	90.0	130.0#
77	3.3	20.6	60.6#

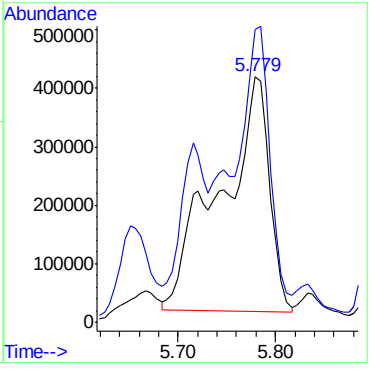


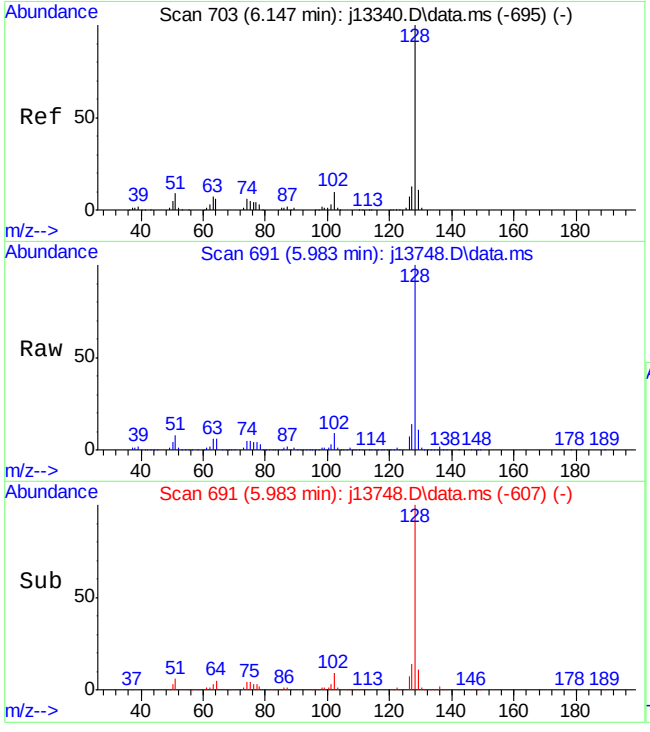


#25
2,4-Dimethylphenol
Concen: 88.87 ug/ml m
RT: 5.779 min Scan# 653
Delta R.T. 0.086 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:122 Resp: 1412007

Ion	Ratio	Lower	Upper
122	100		
107	29.0	96.7	136.7#

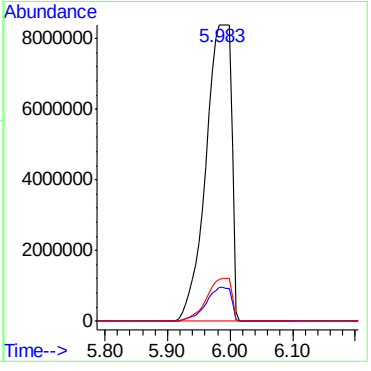


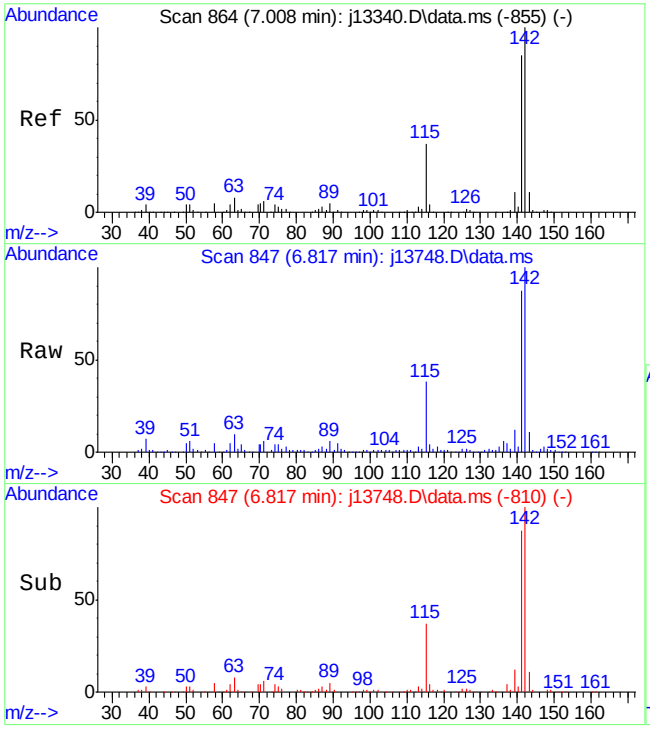


#30
Naphthalene
Concen: 429.53 ug/ml
RT: 5.983 min Scan# 691
Delta R.T. -0.052 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:128 Resp:23736372

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	30.9
127	14.0	0.0	33.4

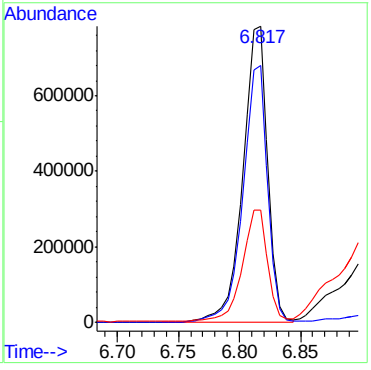


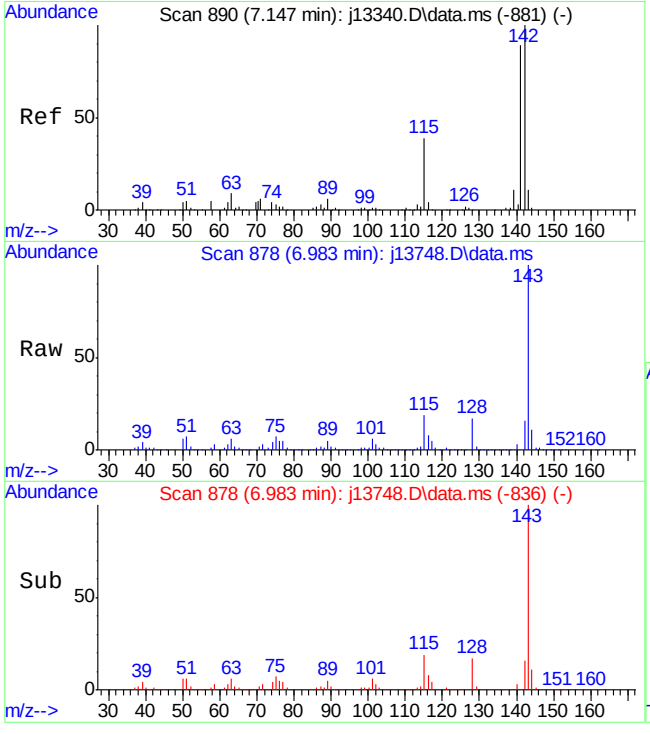


#34
2-Methylnaphthalene
Concen: 32.90 ug/ml
RT: 6.817 min Scan# 847
Delta R.T. -0.000 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:142 Resp: 1110664

Ion	Ratio	Lower	Upper
142	100		
141	86.1	66.2	106.2
115	38.1	17.8	57.8

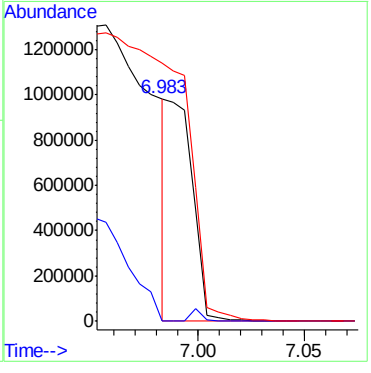


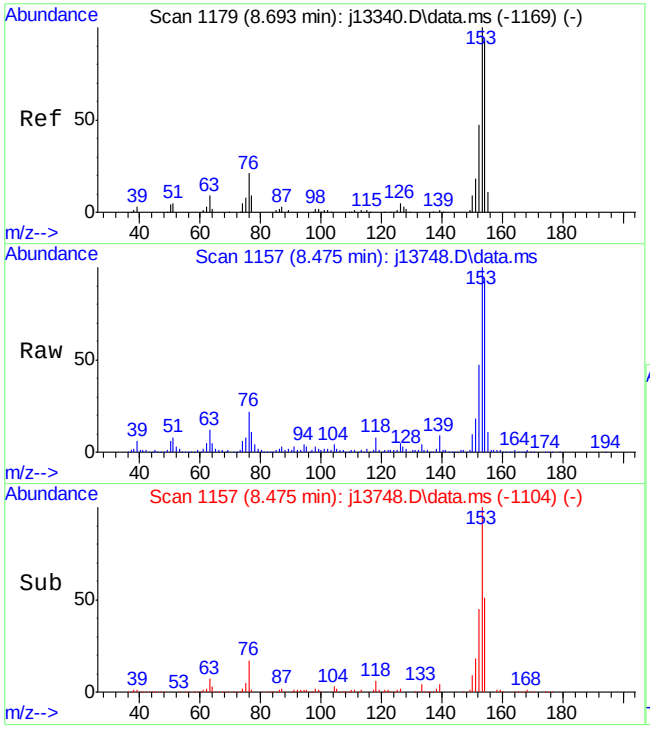


#35
1-Methylnaphthalene
Concen: 22.26 ug/ml m
RT: 6.983 min Scan# 878
Delta R.T. 0.027 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:142 Resp: 787237

Ion	Ratio	Lower	Upper
142	100		
141	119.9	69.4	109.4#
115	51.2	18.9	58.9

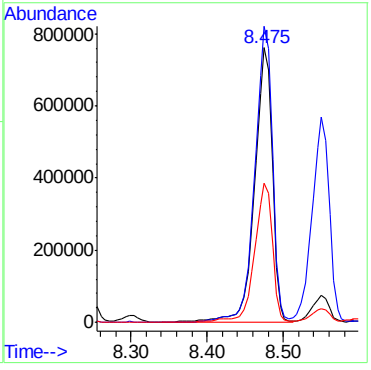


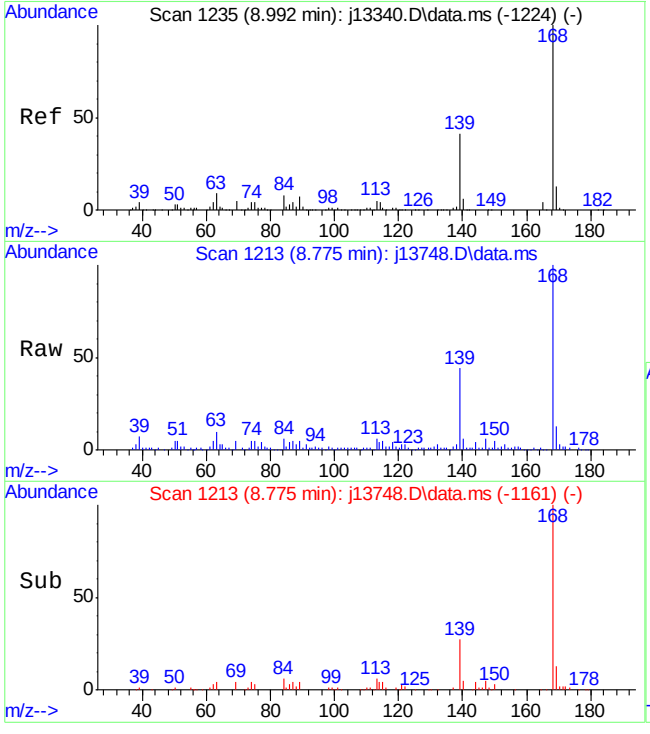


#47
Acenaphthene
Concen: 44.11 ug/ml
RT: 8.475 min Scan# 1157
Delta R.T. -0.218 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:154 Resp: 1217615

Ion	Ratio	Lower	Upper
154	100		
153	107.8	87.9	127.9
152	51.2	31.3	71.3

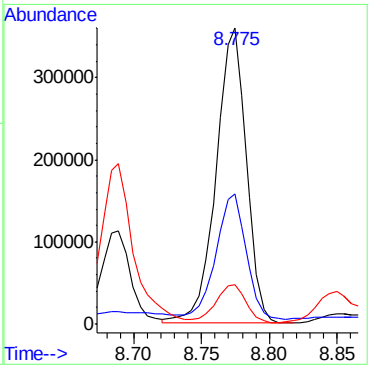


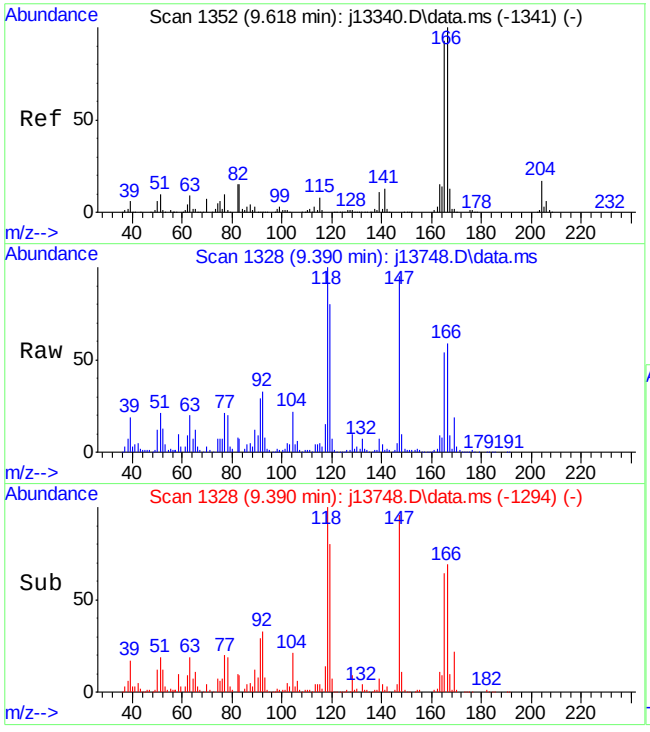


#50
Dibenzofuran
Concen: 14.30 ug/ml
RT: 8.775 min Scan# 1213
Delta R.T. -0.223 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:168 Resp: 563727

Ion	Ratio	Lower	Upper
168	100		
139	42.3	21.2	61.2
169	13.7	0.0	33.2

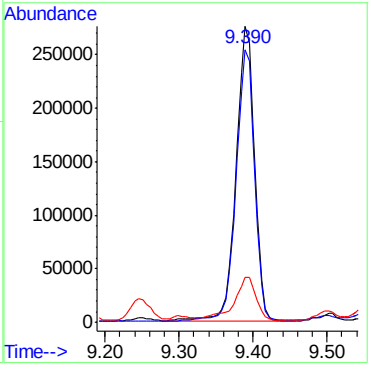


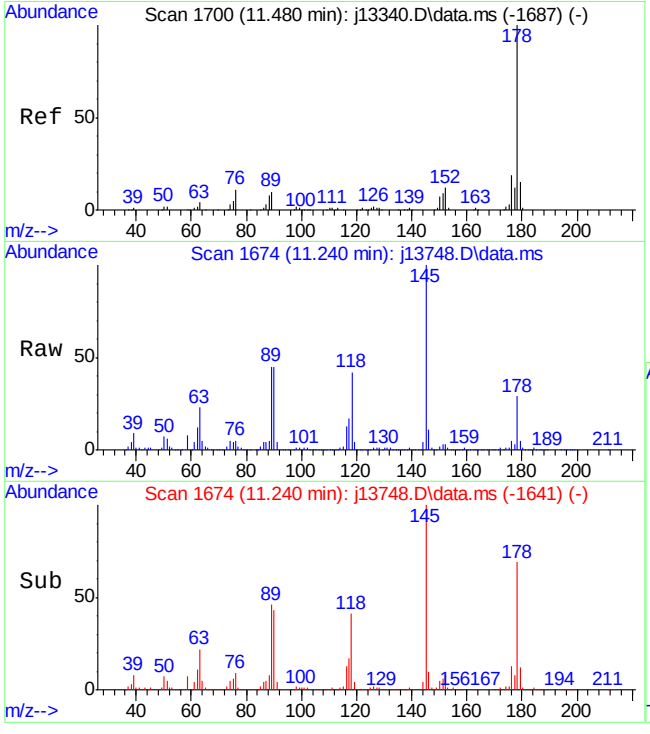


#54
Fluorene
Concen: 13.95 ug/ml
RT: 9.390 min Scan# 1328
Delta R.T. -0.016 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:166 Resp: 479438

Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.8	113.8
167	18.2	0.0	33.3

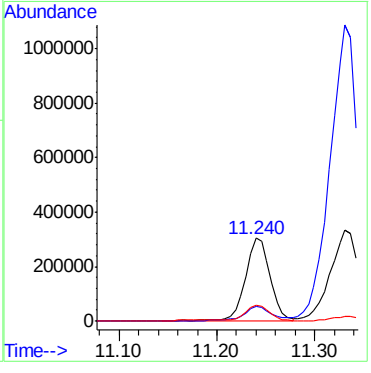


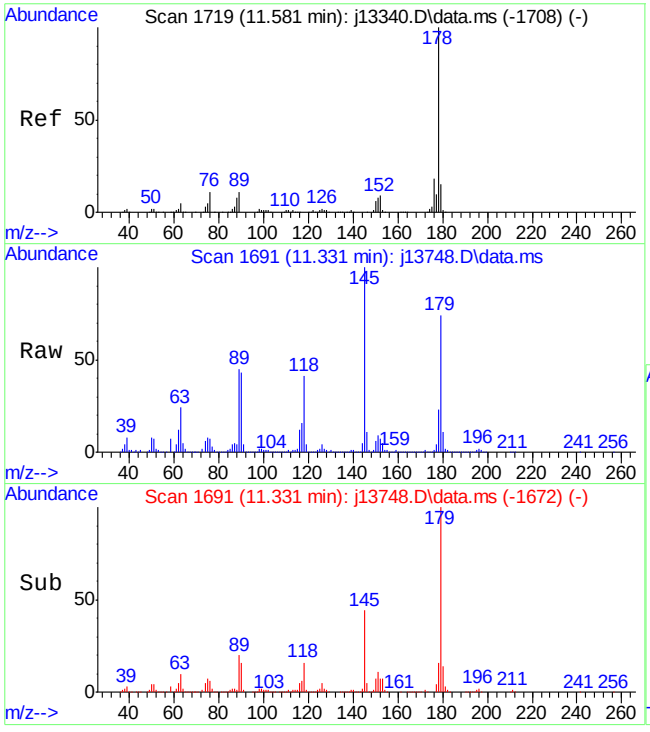


#66
Phenanthrene
Concen: 12.68 ug/ml
RT: 11.240 min Scan# 1674
Delta R.T. -0.021 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:178 Resp: 525369

Ion	Ratio	Lower	Upper
178	100		
179	19.6	0.0	35.2
176	18.4	0.0	39.2

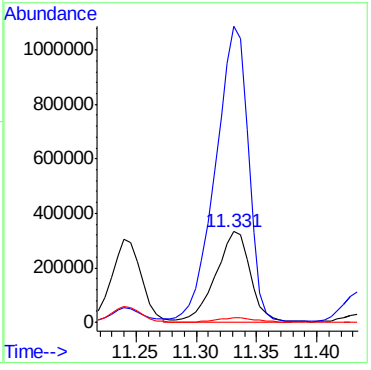


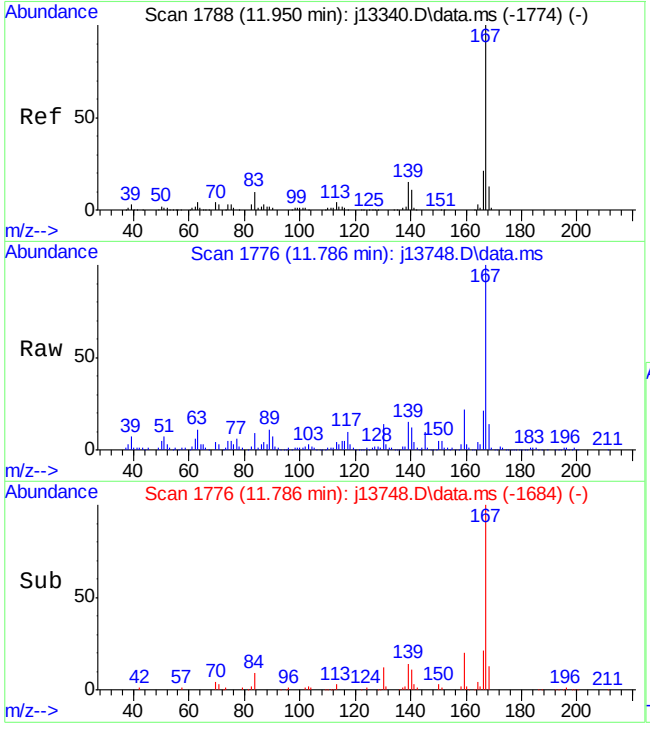


#67
Anthracene
Concen: 16.64 ug/ml m
RT: 11.331 min Scan# 1691
Delta R.T. -0.098 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:178 Resp: 663702

Ion	Ratio	Lower	Upper
178	100		
179	0.0	0.0	35.1
176	0.0	0.0	38.3

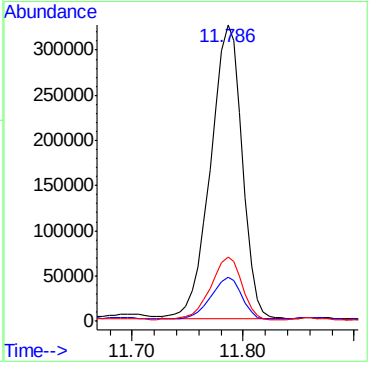


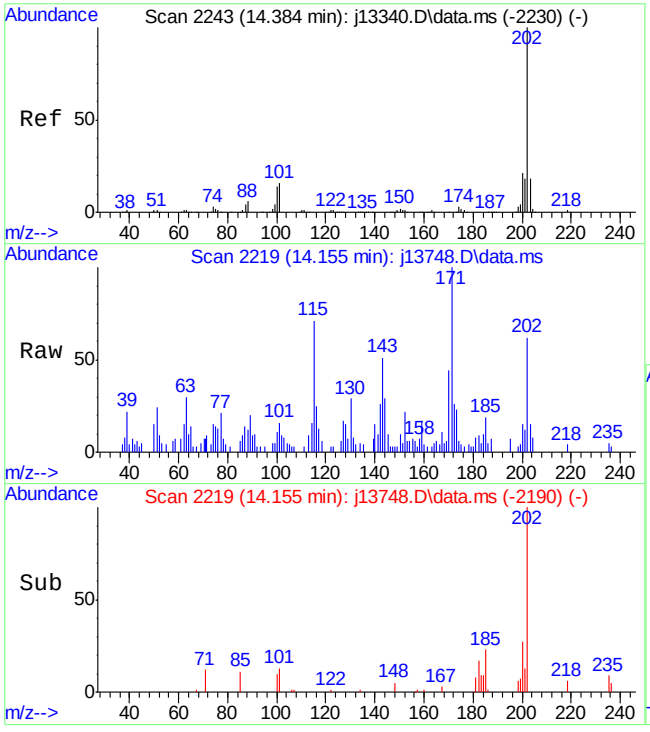


#68
Carbazole
Concen: 20.05 ug/ml
RT: 11.786 min Scan# 1776
Delta R.T. -0.007 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:167 Resp: 643815

Ion	Ratio	Lower	Upper
167	100		
139	13.7	0.0	34.1
166	21.4	0.9	40.9

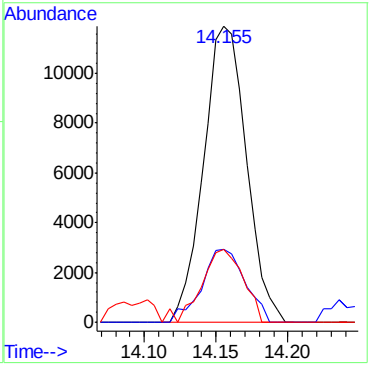




#73
Pyrene
Concen: 1.04 ug/ml
RT: 14.155 min Scan# 2219
Delta R.T. -0.045 min
Lab File: j13748.D
Acq: 9 Oct 2009 8:56 pm

Tgt Ion:202 Resp: 24526

Ion	Ratio	Lower	Upper
202	100		
200	25.0	0.5	40.5
203	23.4	0.0	37.8



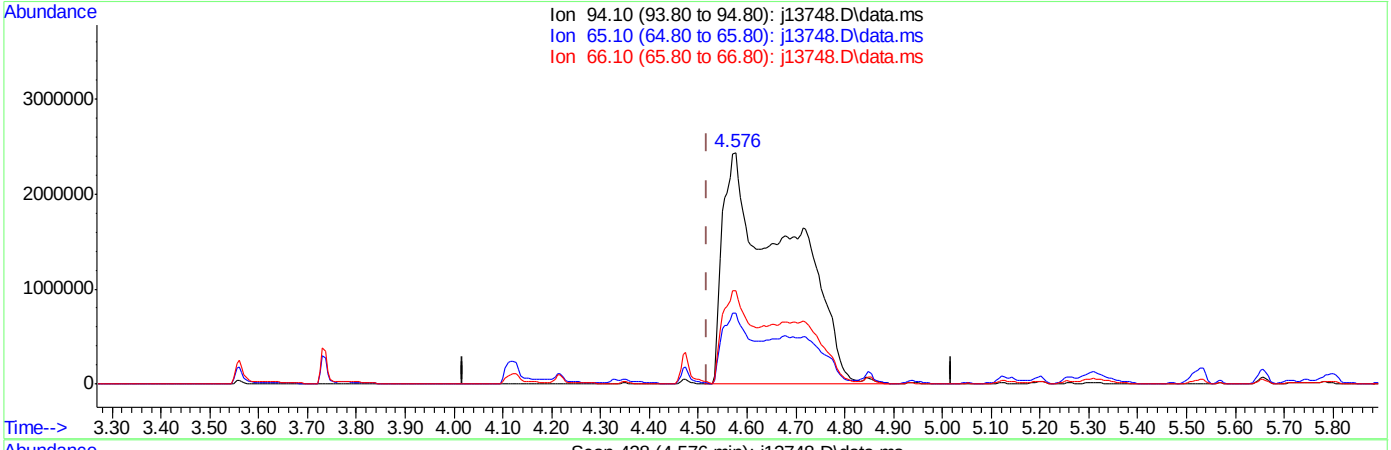
8.1.10

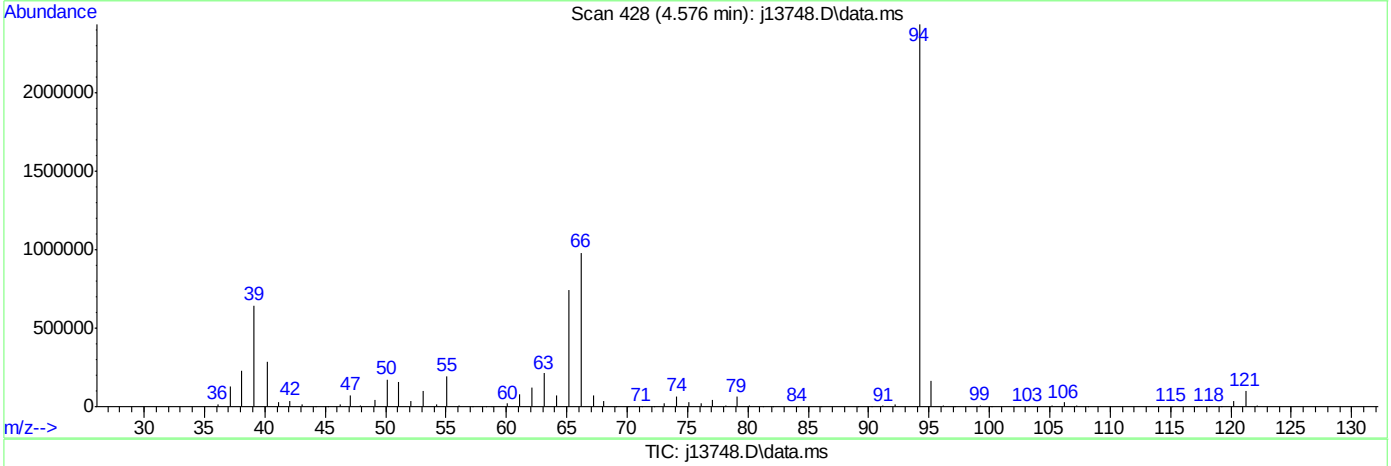
8

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(6) Phenol (C)

4.576min (+0.057) 929.62ug/ml m

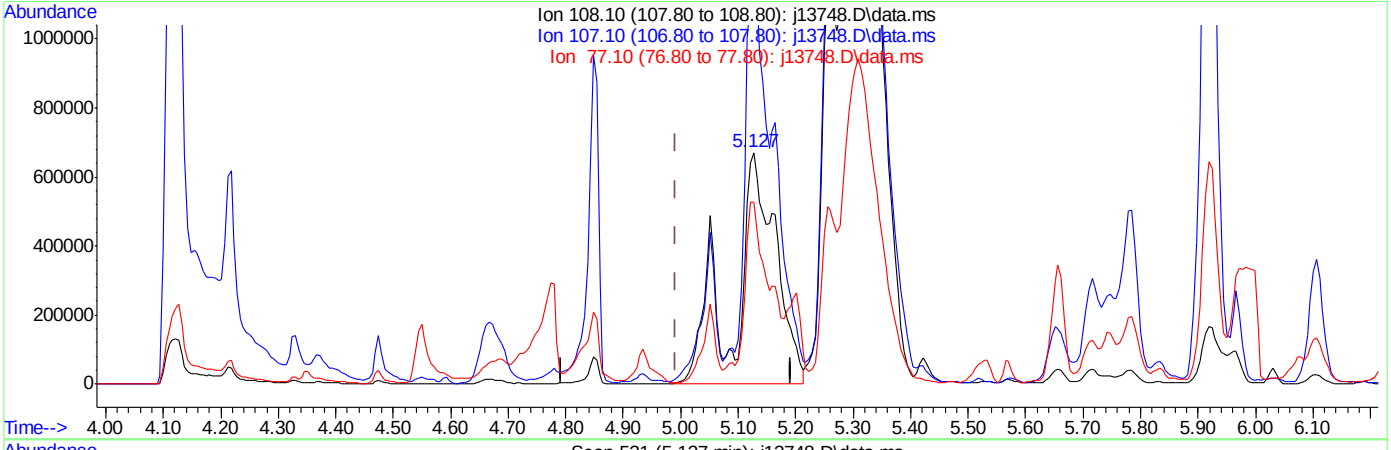
response 22486204

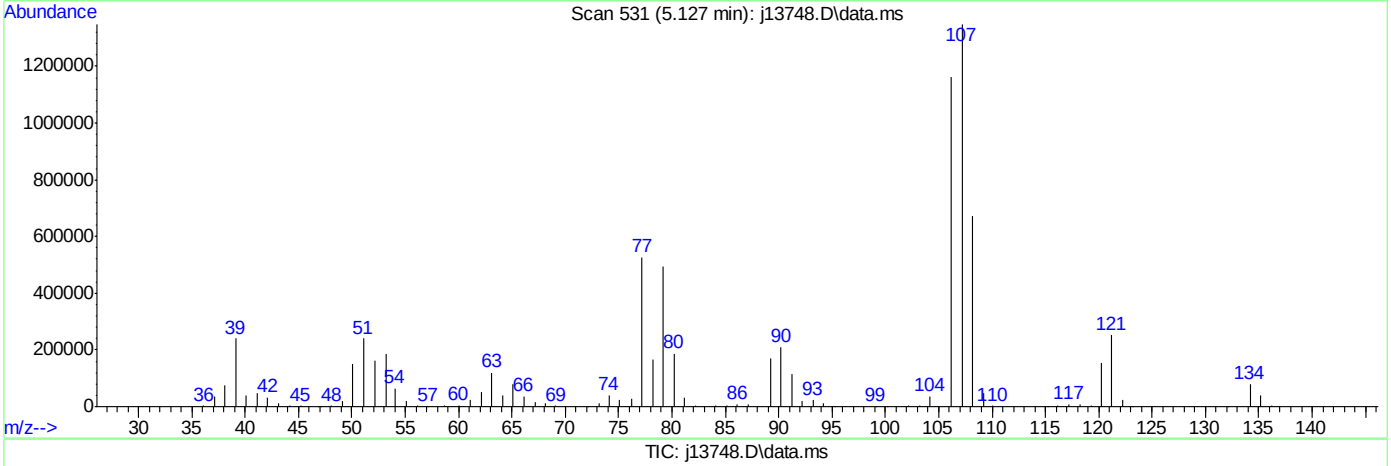
Ion	Exp%	Act%
94.10	100	100
65.10	55.30	1.01#
66.10	57.40	1.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(14) 2-Methylphenol

5.127min (+0.135) 195.32ug/ml m

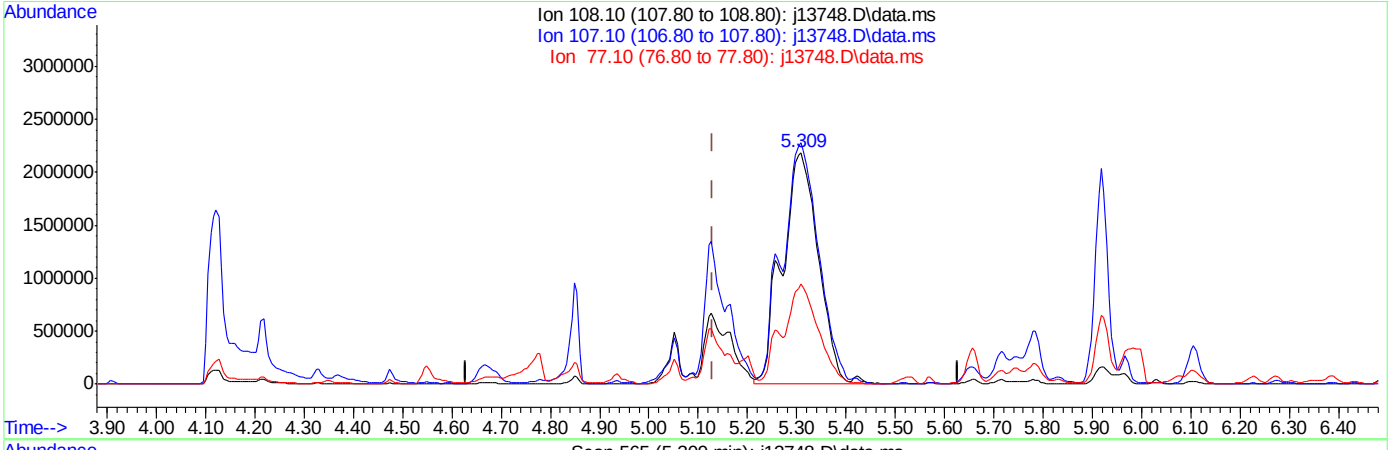
response 3311984

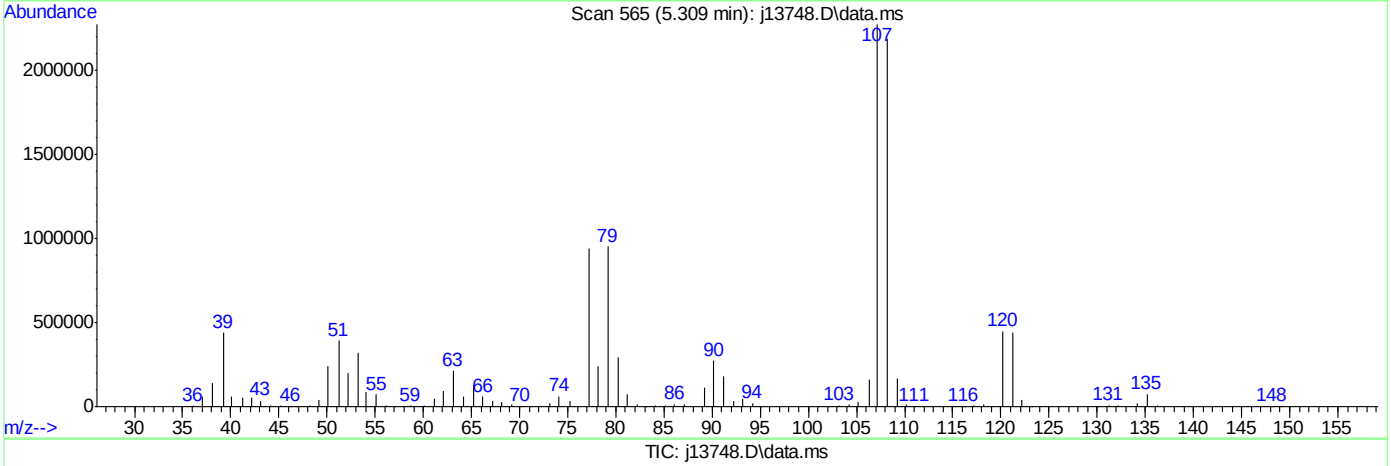
Ion	Exp%	Act%
108.10	100	100
107.10	89.00	22.09#
77.10	50.10	11.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(16) 4-Methylphenol

5.309min (+0.180) 624.05ug/ml m

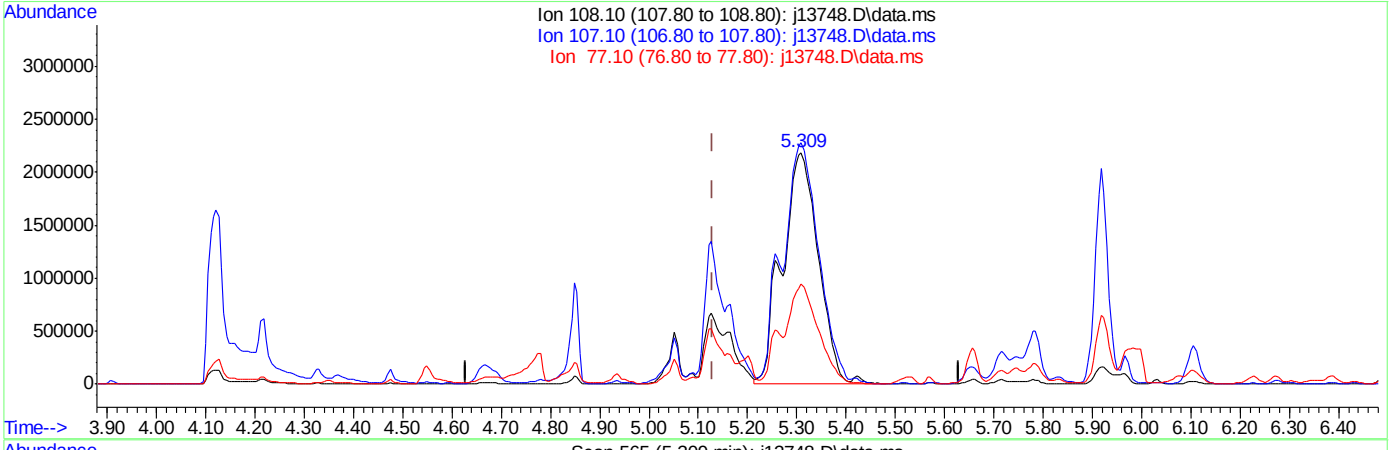
response 11194250

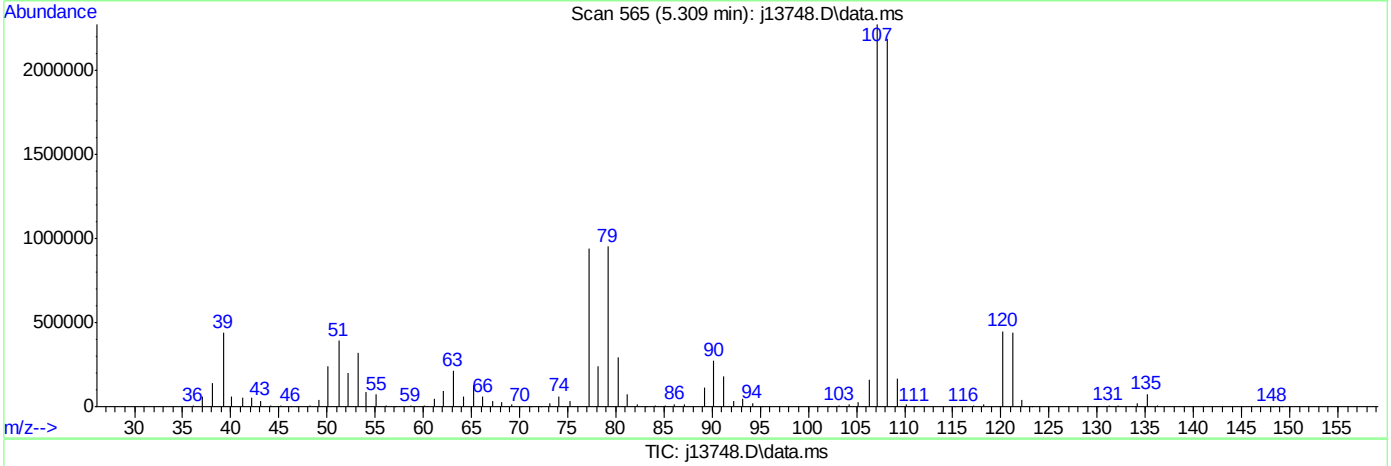
Ion	Exp%	Act%
108.10	100	100
107.10	110.00	6.54#
77.10	40.60	3.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(17) m+p-Cresols

5.309min (+0.180) 624.05ug/ml m

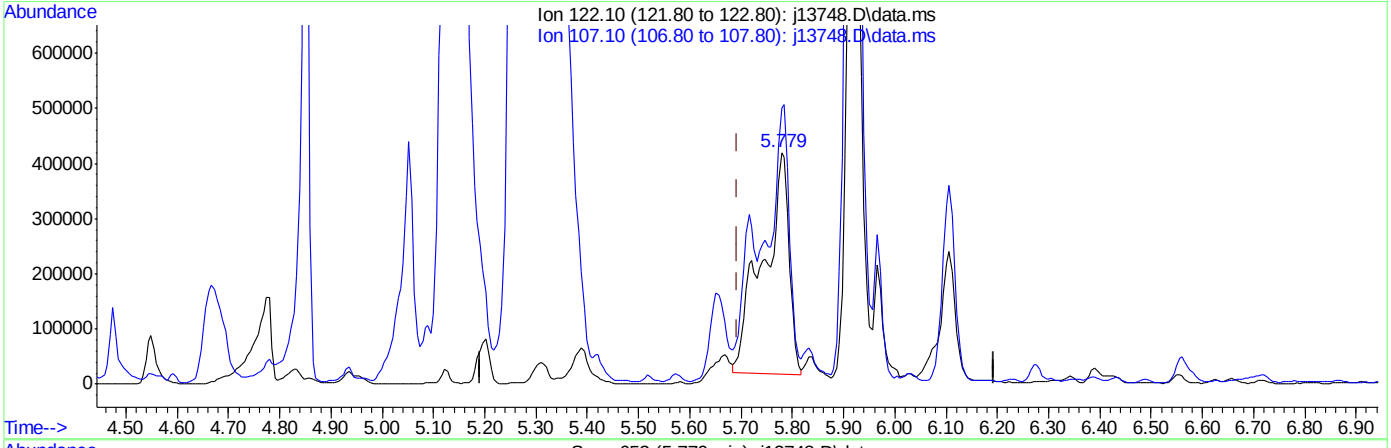
response 11194250

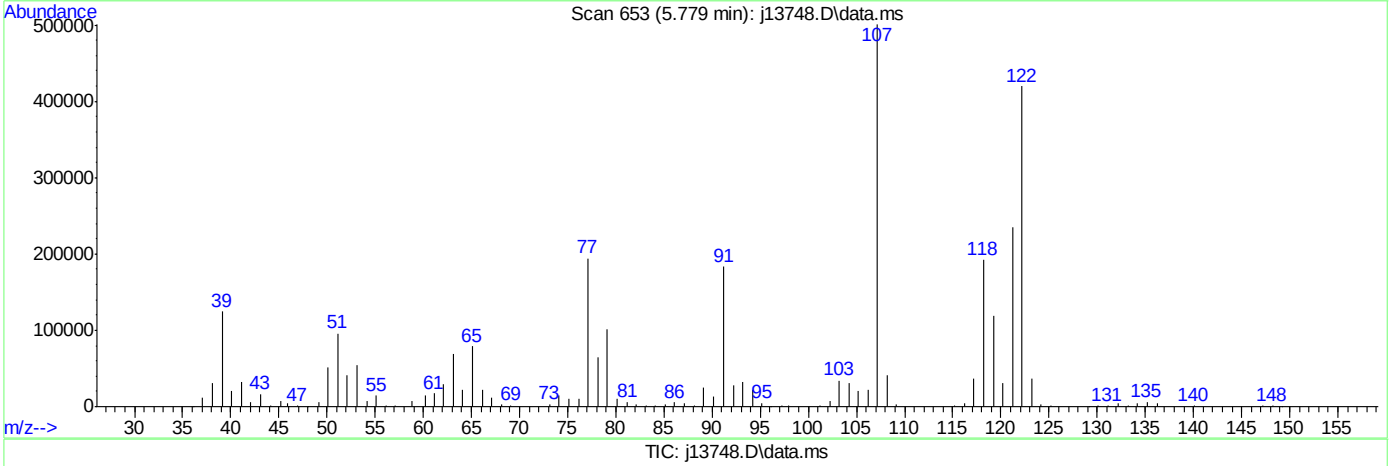
Ion	Exp%	Act%
108.10	100	100
107.10	110.00	6.54#
77.10	40.60	3.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(25) 2,4-Dimethylphenol

5.779min (+0.086) 88.87ug/ml m

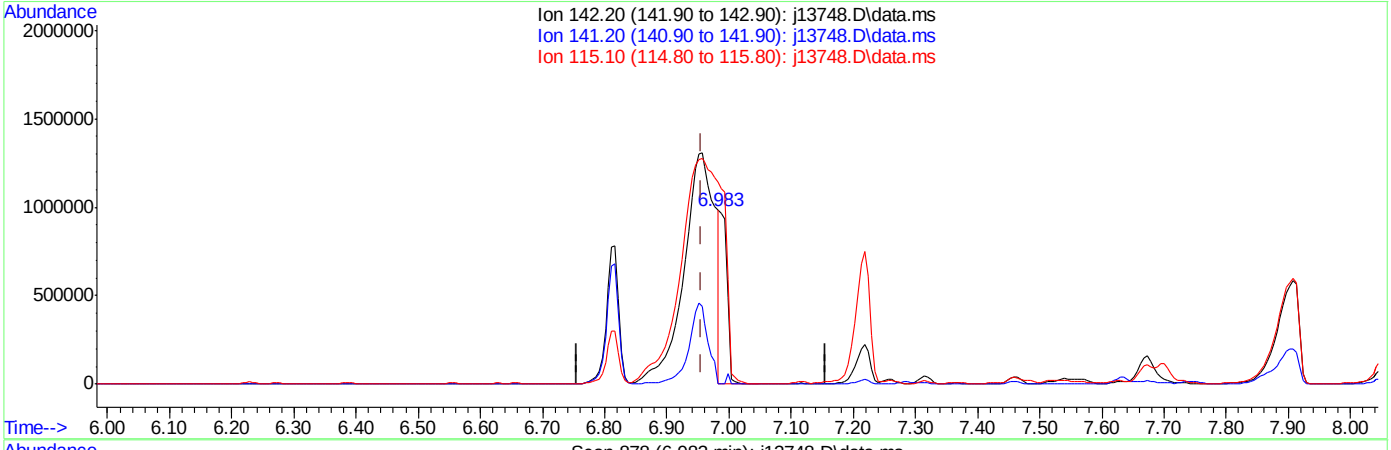
response 1412007

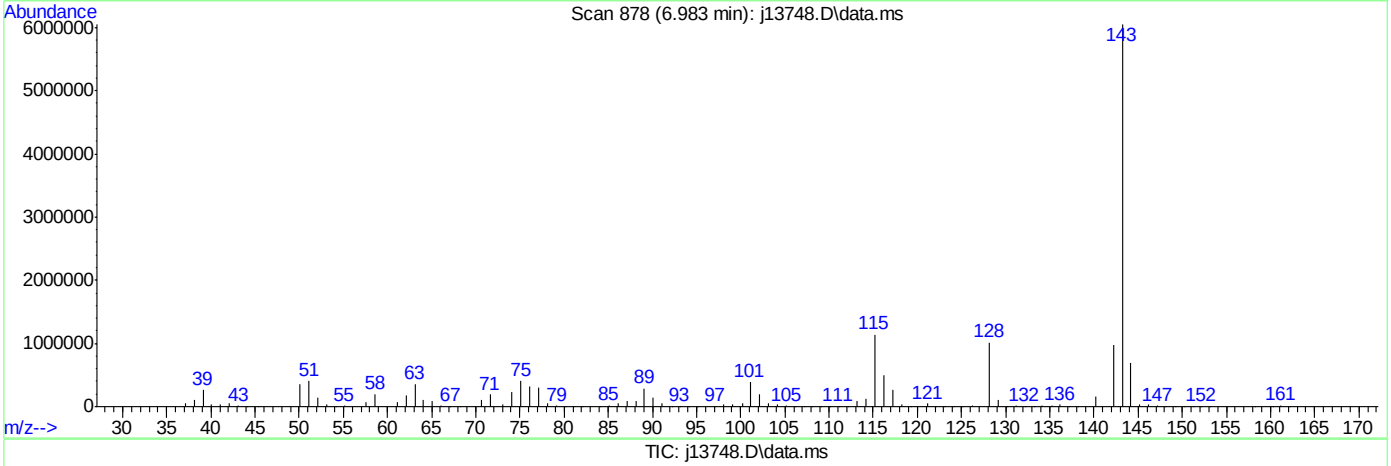
Ion	Exp%	Act%
122.10	100	100
107.10	116.70	29.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 15:33:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(35) 1-Methylnaphthalene

6.983min (+0.027) 22.26ug/ml m

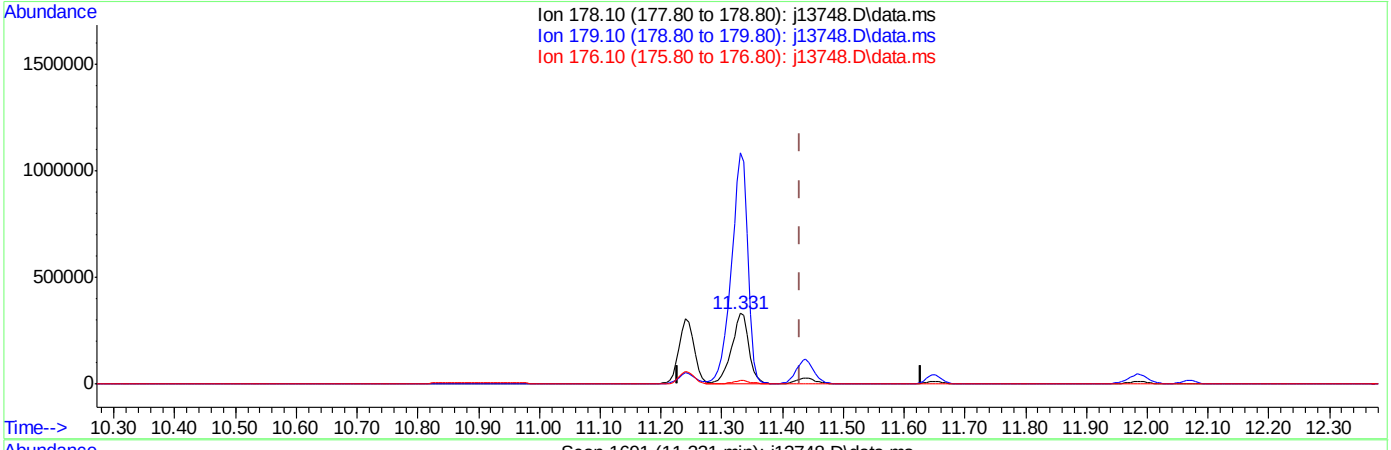
response 787237

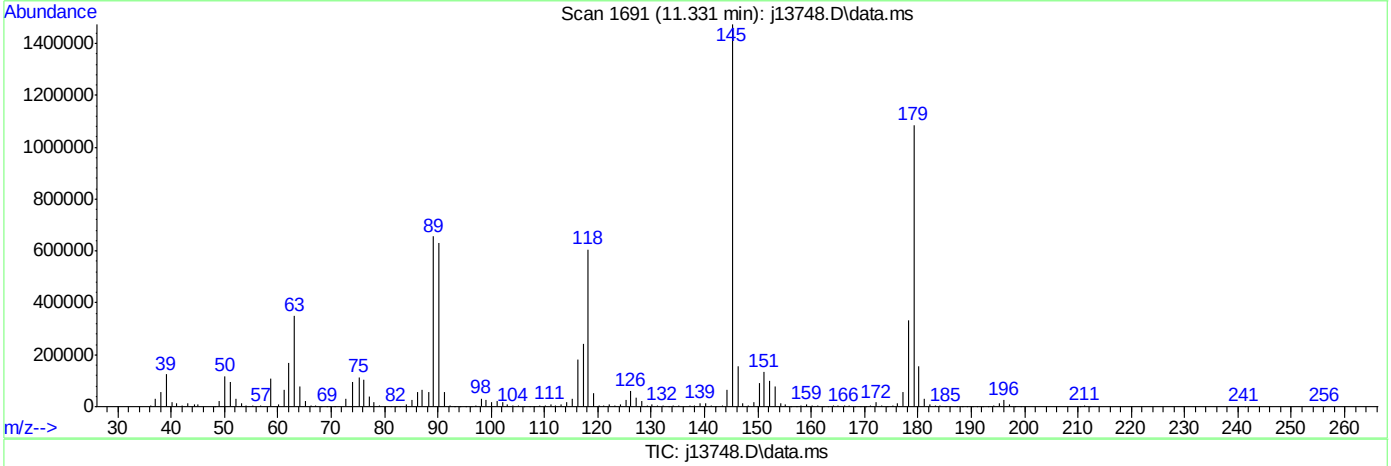
Ion	Exp%	Act%
142.20	100	100
141.20	89.40	119.94#
115.10	38.90	51.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 26 15:19:46 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 16:33:16 2009
Response via : Initial Calibration





TIC: j13748.D\data.ms

(67) Anthracene

11.331min (-0.098) 16.64ug/ml m

response 663702

Ion	Exp%	Act%
178.10	100	100
179.10	15.10	0.00
176.10	18.30	0.00
0.00	0.00	0.00

8.1.10.7

8

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 20000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13748.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.560	234	238	244	rBV	2247778	2795456	4.41%	0.573%
2	3.731	267	270	275	rBV	4977767	4687437	7.40%	0.961%
3	4.121	337	343	348	rBV2	6116829	12394857	19.58%	2.541%
4	4.218	357	361	378	rVB	2276342	4138849	6.54%	0.849%
5	4.474	404	409	418	rBV	2753429	3482772	5.50%	0.714%
6	4.549	418	423	426	rBV	8271746	13302904	21.01%	2.728%
7	4.720	452	455	461	rBV2	3222289	3807197	6.01%	0.781%
8	4.849	471	479	489	rVB3	4653551	8607164	13.59%	1.765%
9	4.940	489	496	505	rVB2	1915683	3943854	6.23%	0.809%
10	5.052	505	517	521	rBV	2555038	4132353	6.53%	0.847%
11	5.089	521	524	525	rVV2	609309	662707	1.05%	0.136%
12	5.127	525	531	537	rVV2	7466925	17700206	27.95%	3.629%
13	5.202	540	545	549	rVV	4335453	7680426	12.13%	1.575%
14	5.255	549	555	558	rVV3	6410613	11397395	18.00%	2.337%
15	5.309	558	565	583	rVV2	11997102	47133990	74.44%	9.664%
16	5.528	598	606	611	rVV	6849519	13206898	20.86%	2.708%
17	5.571	611	614	619	rVB	1431347	1409974	2.23%	0.289%
18	5.656	624	630	635	rBV	7940191	11174269	17.65%	2.291%
19	5.715	635	641	643	rBV5	1556791	2511164	3.97%	0.515%
20	5.742	643	646	649	rVV	1480438	2150575	3.40%	0.441%
21	5.795	650	656	661	rVB2	3175966	6942991	10.97%	1.424%
22	5.833	661	663	671	rVB3	806690	991735	1.57%	0.203%
23	5.924	671	680	684	rBV2	11912209	23884597	37.72%	4.897%
24	5.988	684	692	693	rVV2	17129583	39239324	61.97%	8.045%
25	6.031	697	700	704	rVB	1946117	1826502	2.88%	0.374%
26	6.106	704	714	725	rVB5	2160476	5610678	8.86%	1.150%
27	6.229	725	737	741	rBV	3289491	5479337	8.65%	1.123%
28	6.271	741	745	749	rVB2	1855570	2095630	3.31%	0.430%
29	6.384	756	766	772	rVB3	2262860	4798260	7.58%	0.984%
30	6.485	780	785	791	rBV2	1397280	2221644	3.51%	0.456%
31	6.566	794	800	809	rBV3	1354980	2921623	4.61%	0.599%
32	6.662	813	818	819	rBV2	789872	1079279	1.70%	0.221%
33	6.774	834	839	841	rBV3	536846	901849	1.42%	0.185%
34	6.812	841	846	850	rVB	2411230	3109734	4.91%	0.638%

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 20000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

35	6.865	850	856	860	rBV	4149437	6997296	11.05%	1.435%
36	6.961	860	874	879	rBV2	15566010	63317489	100.00%	12.982%
37	7.079	888	896	906	rVB	824322	1713471	2.71%	0.351%
38	7.218	906	922	934	rBV2	6190678	12344785	19.50%	2.531%
39	7.320	934	941	943	rBV5	549864	940794	1.49%	0.193%
40	7.389	949	954	961	rVB6	541443	1007382	1.59%	0.207%
41	7.454	962	966	970	rBV2	617813	1031706	1.63%	0.212%
42	7.571	981	988	993	rBV4	1002285	1995956	3.15%	0.409%
43	7.619	994	997	1002	rVV2	602991	1038187	1.64%	0.213%
44	7.673	1002	1007	1009	rVV	898295	1472517	2.33%	0.302%
45	7.700	1009	1012	1023	rVB2	1049530	1624852	2.57%	0.333%
46	7.908	1031	1051	1056	rVB2	12901683	33872595	53.50%	6.945%
47	8.074	1065	1082	1087	rBV	5852369	12281127	19.40%	2.518%
48	8.149	1091	1096	1100	rBV	1360574	2109688	3.33%	0.433%
49	8.202	1100	1106	1110	rVV	2324706	3757301	5.93%	0.770%
50	8.240	1110	1113	1120	rVB	1111443	1674854	2.65%	0.343%
51	8.304	1121	1125	1130	rBV3	381620	697145	1.10%	0.143%
52	8.422	1138	1147	1151	rBV2	2629596	6256853	9.88%	1.283%
53	8.475	1151	1157	1162	rVB2	3288458	6001693	9.48%	1.231%
54	8.550	1165	1171	1179	rVB	1797399	2904611	4.59%	0.596%
55	8.689	1192	1197	1200	rBV	616410	872596	1.38%	0.179%
56	8.737	1200	1206	1208	rVV	484691	950133	1.50%	0.195%
57	8.769	1209	1212	1216	rVV	770545	1155138	1.82%	0.237%
58	8.807	1216	1219	1230	rVB4	387107	1110536	1.75%	0.228%
59	9.037	1257	1262	1266	rBV	799336	1205360	1.90%	0.247%
60	9.074	1266	1269	1280	rVB4	796313	1678107	2.65%	0.344%
61	9.170	1280	1287	1291	rBV3	661569	1357898	2.14%	0.278%
62	9.251	1297	1302	1305	rBV2	654709	1280703	2.02%	0.263%
63	9.502	1347	1349	1352	rVB3	5872448	4979616	7.86%	1.021%
64	9.545	1354	1357	1362	rVB	874861	1049981	1.66%	0.215%
65	9.662	1372	1379	1382	rBV	543097	893619	1.41%	0.183%
66	9.764	1392	1398	1407	rVB7	352945	888387	1.40%	0.182%
67	9.860	1408	1416	1421	rBV6	746252	2174020	3.43%	0.446%
68	9.930	1422	1429	1439	rVB2	2516317	5755840	9.09%	1.180%
69	10.315	1483	1501	1502	rBV5	1349451	4794308	7.57%	0.983%
70	10.497	1526	1535	1539	rBV2	978375	2080858	3.29%	0.427%
71	11.198	1663	1666	1671	rVB2	1627982	2335629	3.69%	0.479%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On    :  9 Oct 2009   8:56 pm
Operator  : sheilac
Sample    : t39187-4,10x
Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON                            Filtering: 5
Sampling  : 1                              Min Area: 20000 Area counts
Start Thrs: 0.2                           Max Peaks: 100
Stop Thrs : 0                         Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

72	11.647	1745	1750	1756	rBV2	2234906	4637226	7.32%	0.951%
73	11.786	1770	1776	1781	rBV	798258	1560014	2.46%	0.320%
74	11.861	1785	1790	1797	rBV3	686051	1761413	2.78%	0.361%
75	15.091	2382	2394	2413	rVB	463187	1682211	2.66%	0.345%
76	16.739	2693	2702	2711	rVB	979333	2051776	3.24%	0.421%
77	19.520	3213	3222	3240	rBV	440192	1010996	1.60%	0.207%

Sum of corrected areas: 487730297

LSC Report - Integrated Chromatogram

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Data File : j13748.D
Acq On    :  9 Oct 2009   8:56 pm
Operator  : sheilac
Sample    : t39187-4,10x
Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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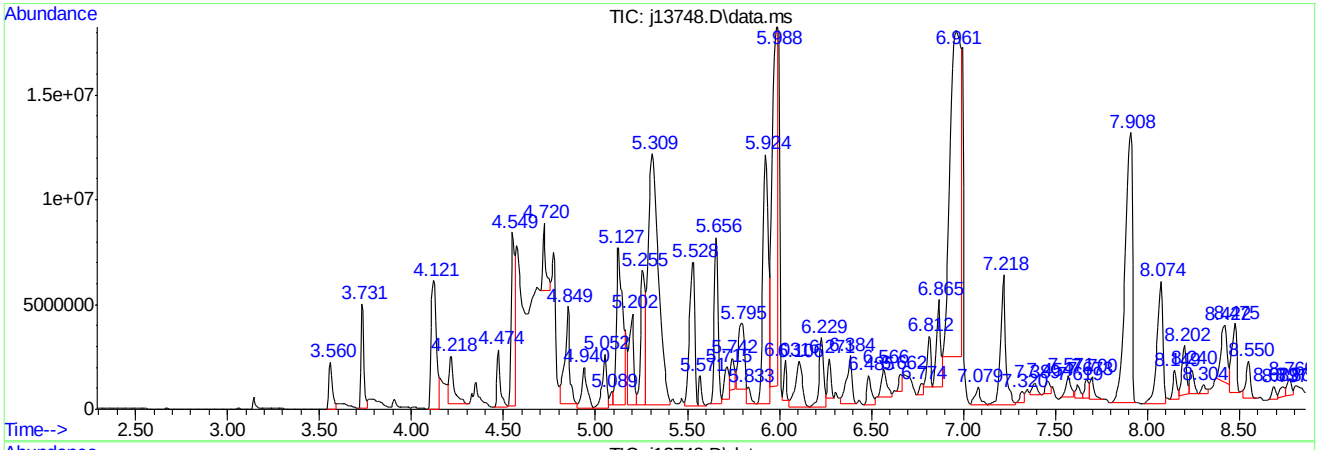

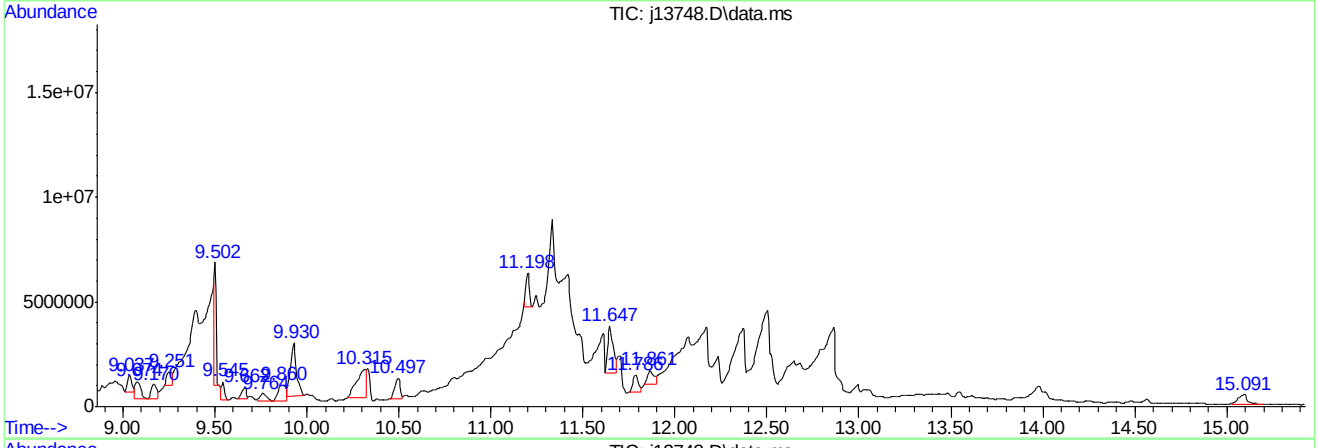

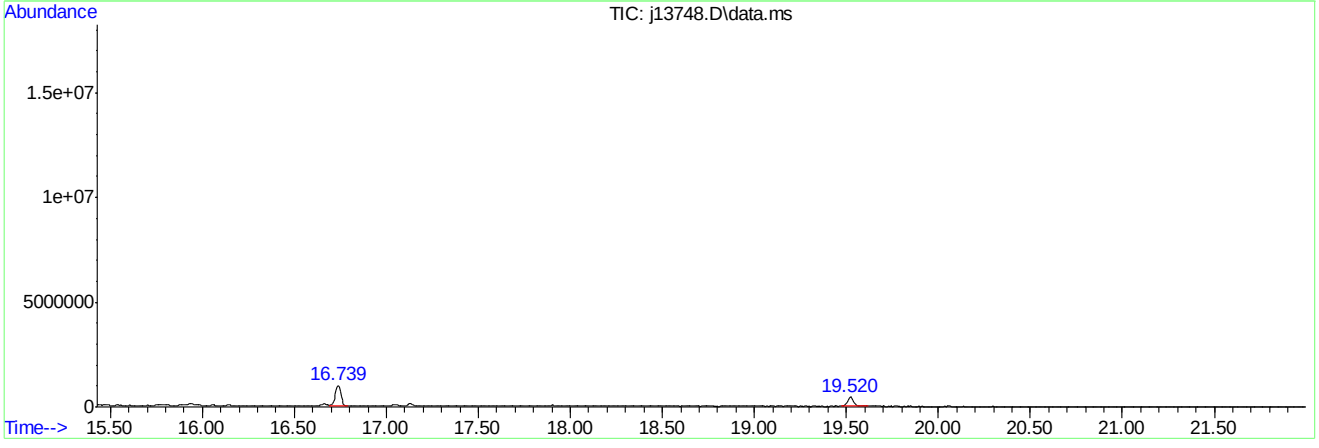

Library Search Compound Report

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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

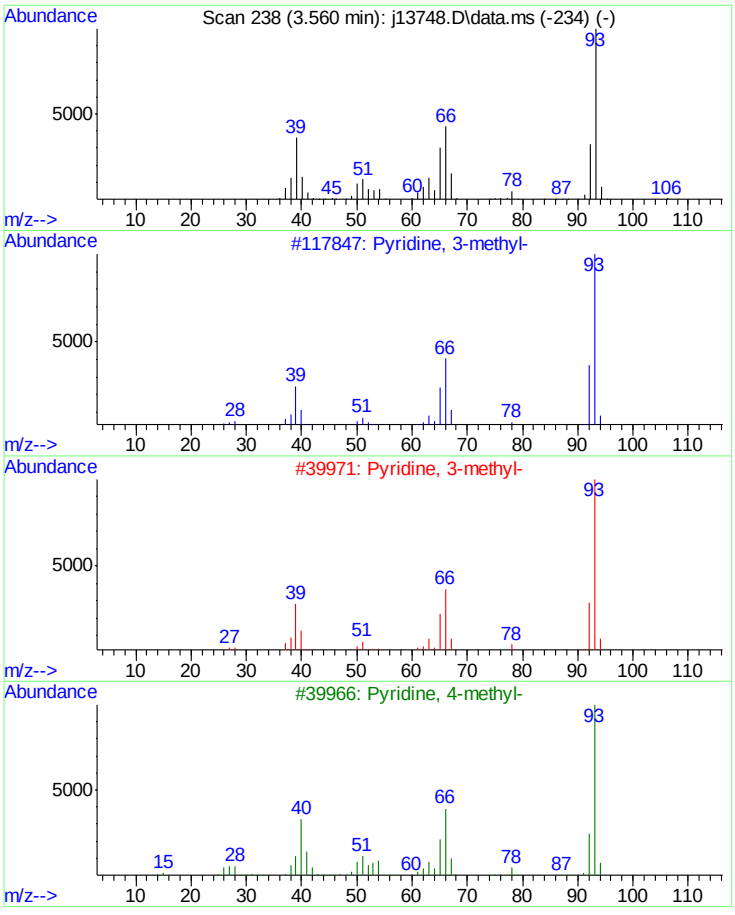
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

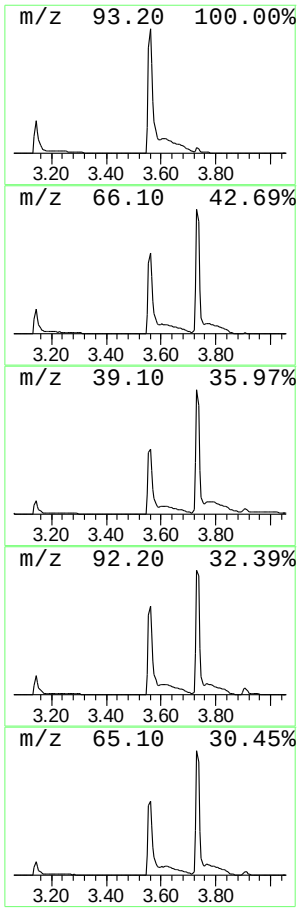
****

Peak Number 1 Pyridine, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.560	29.37 ug/ml	2795460	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	97
2	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	96
3	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	94
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	91
5	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

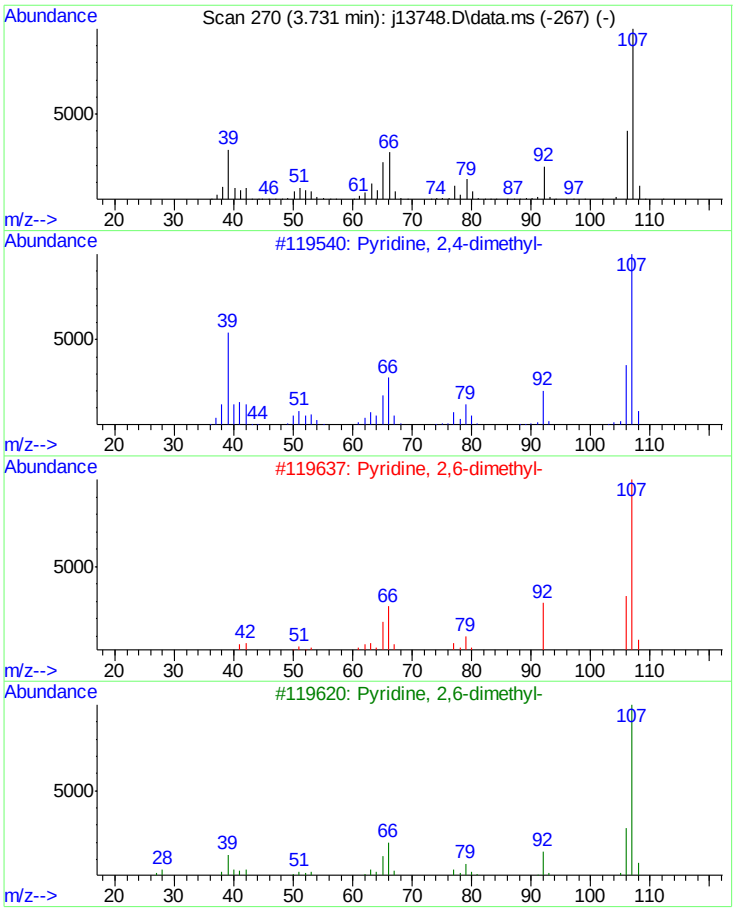
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

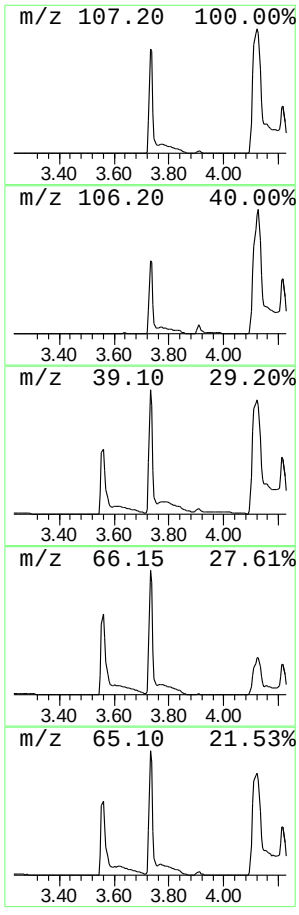
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pyridine, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.731	49.25 ug/ml	4687440	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	95
2	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	91
3	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	90
4	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	90
5	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	87





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

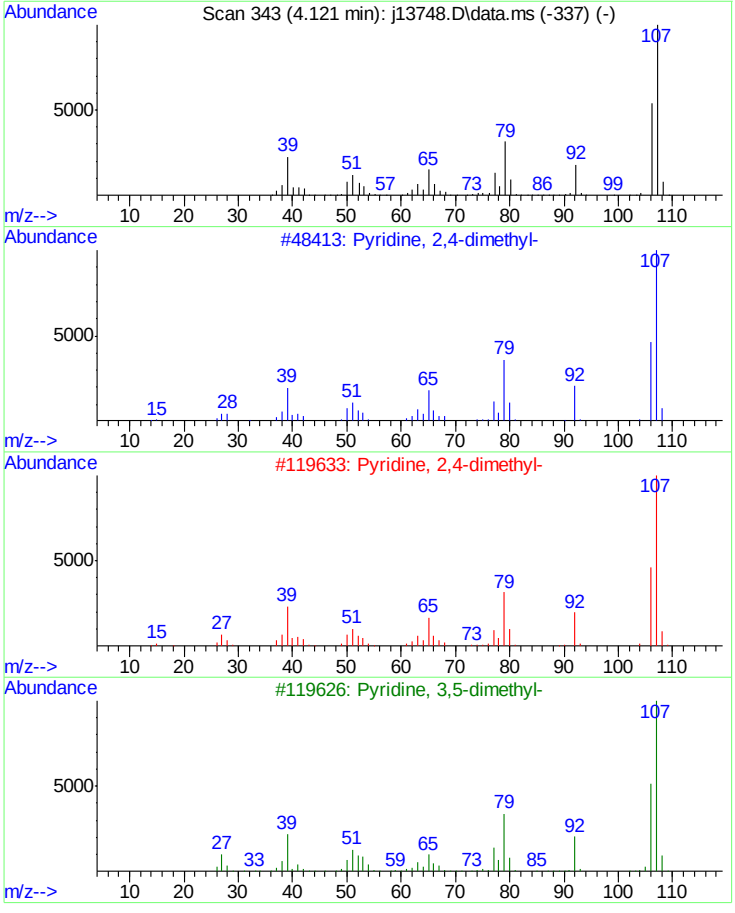
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

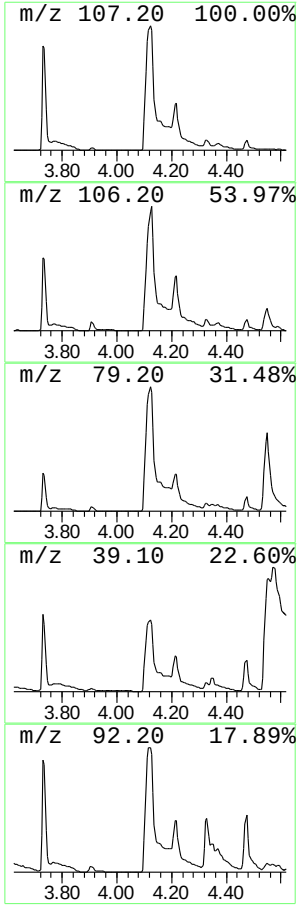
****

Peak Number 3 Pyridine, 2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.121	130.23 ug/ml	12394900	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	97
2	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	96
3	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	96
4	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	96
5	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	94





8.1.11 8

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

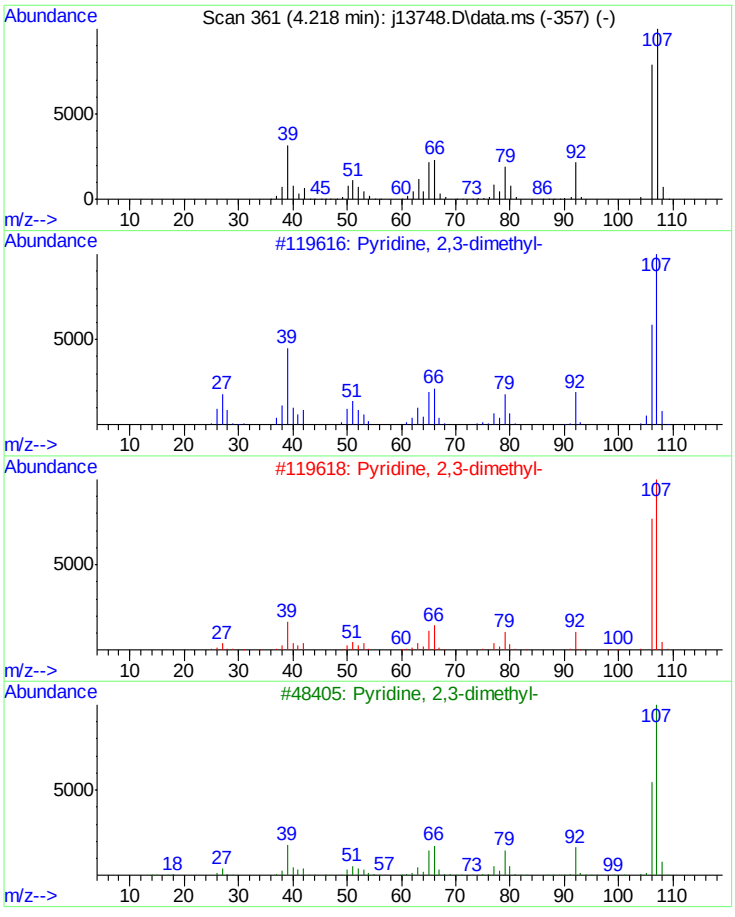
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

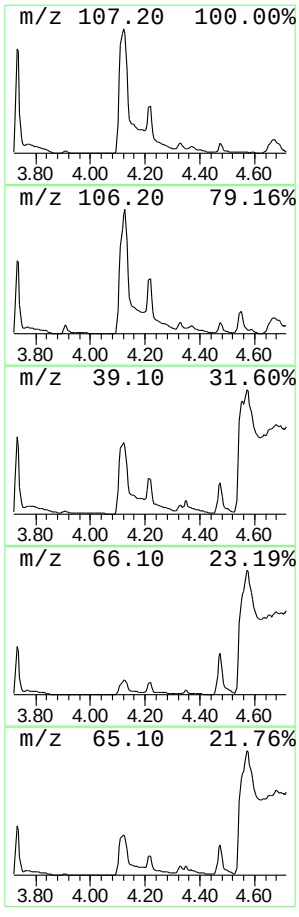
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pyridine, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.218	43.48 ug/ml	4138850	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	97
2	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	96
3	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	96
4	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	96
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	76





Library Search Compound Report

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Acq On    :  9 Oct 2009   8:56 pm
Operator  : sheilac
Sample    : t39187-4,10x
Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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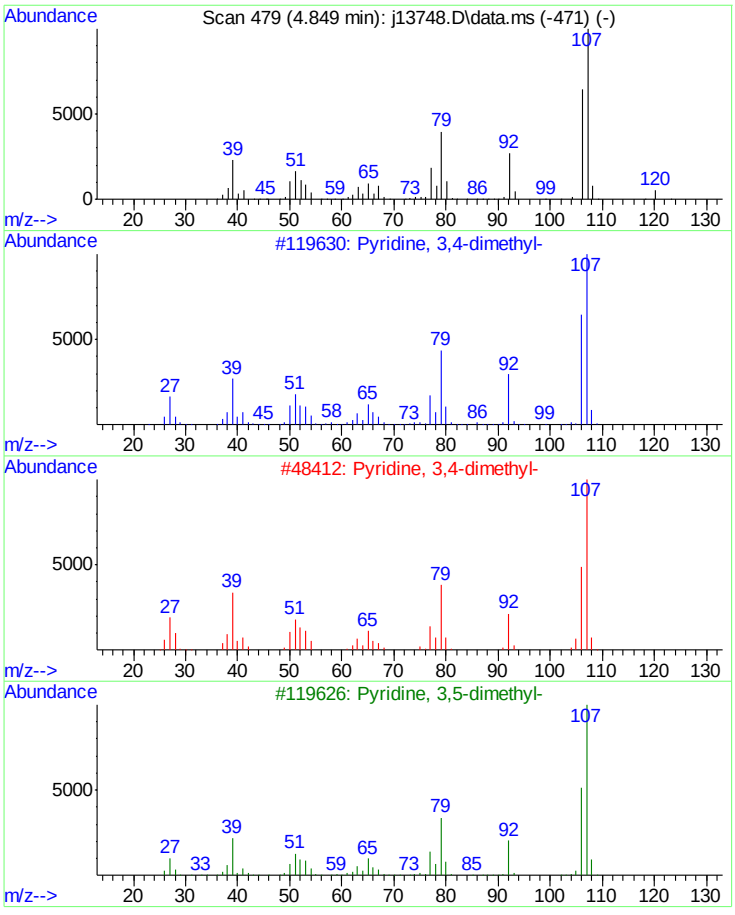
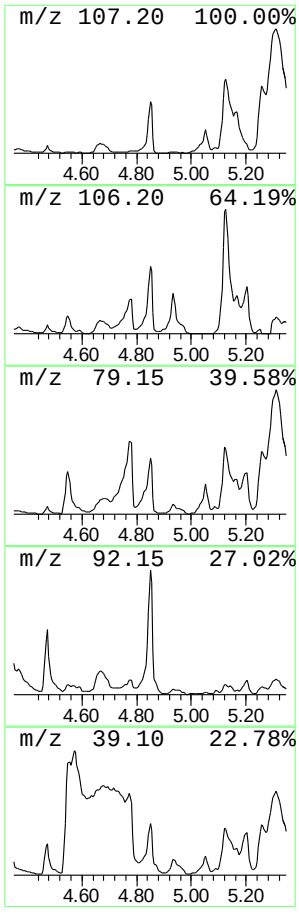
****

Peak Number 5 Pyridine, 3,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.849	90.43 ug/ml	8607160	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3,4-dimethyl-	107	C7H9N	000583-58-4	94
2	Pyridine, 3,4-dimethyl-	107	C7H9N	000583-58-4	94
3	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	94
4	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	93
5	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	93





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

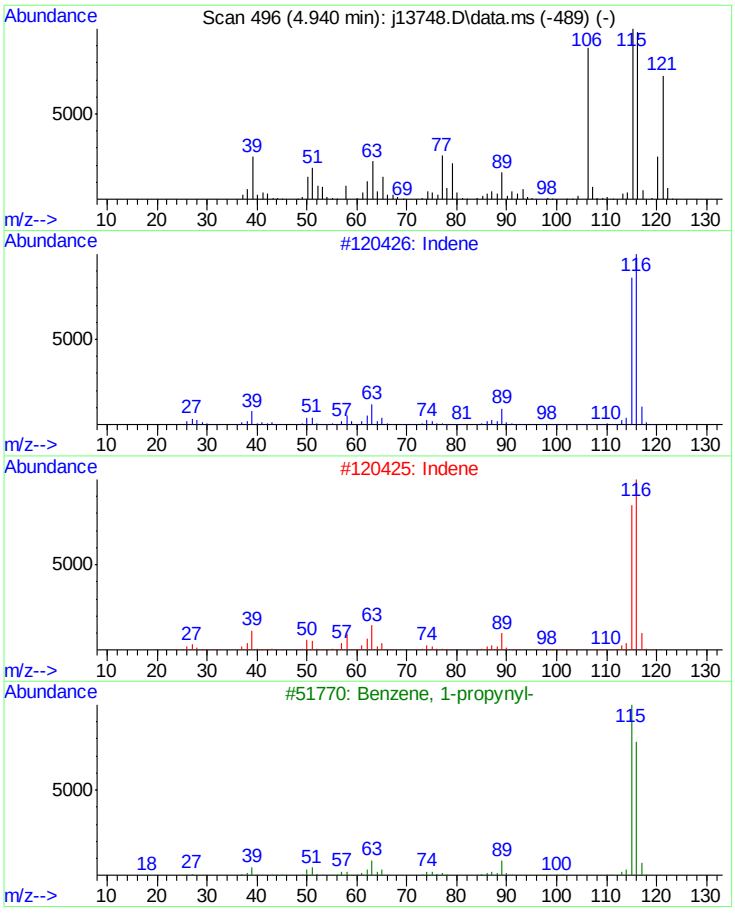
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

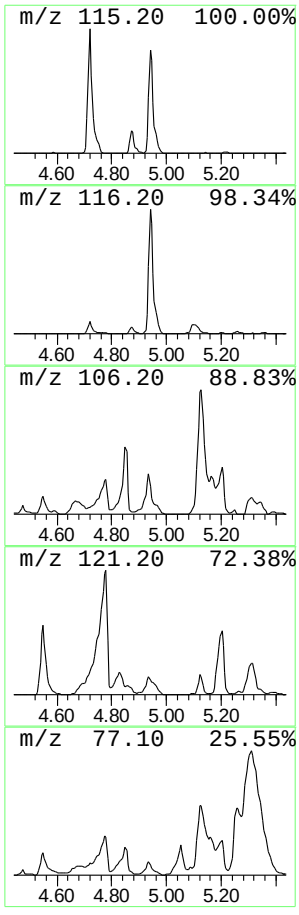
****

Peak Number 6 Indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.940	41.44 ug/ml	3943850	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	70
2	Indene	116	C9H8	000095-13-6	55
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	55
4	Indene	116	C9H8	000095-13-6	55
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	43





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

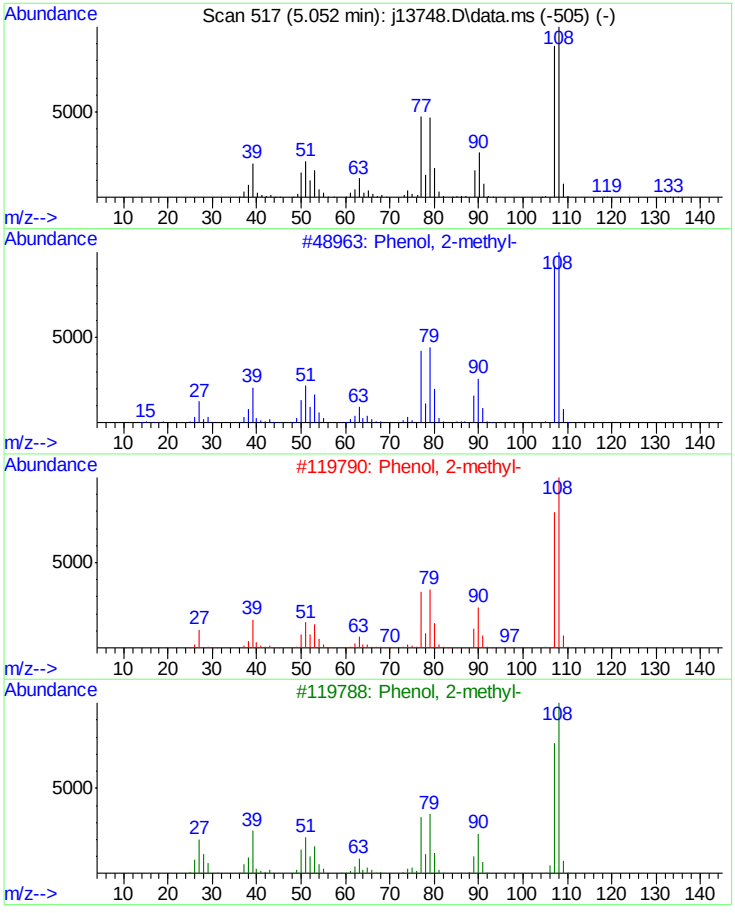
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

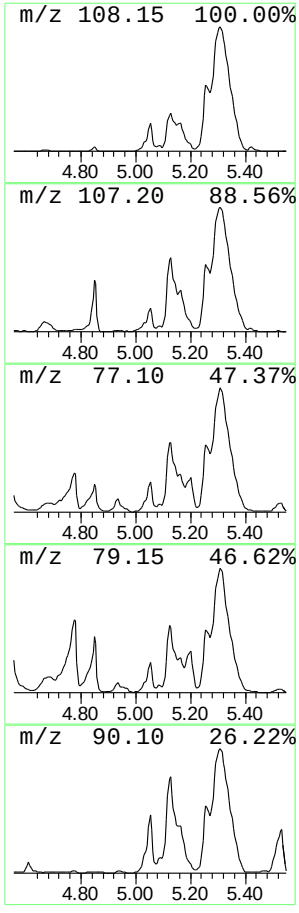
****

Peak Number 7 Phenol, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.052	43.42 ug/ml	4132350	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-	108	C7H8O	000095-48-7	98
2	Phenol, 2-methyl-	108	C7H8O	000095-48-7	96
3	Phenol, 2-methyl-	108	C7H8O	000095-48-7	96
4	Phenol, 3-methyl-	108	C7H8O	000108-39-4	93
5	Phenol, 4-methyl-	108	C7H8O	000106-44-5	91





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

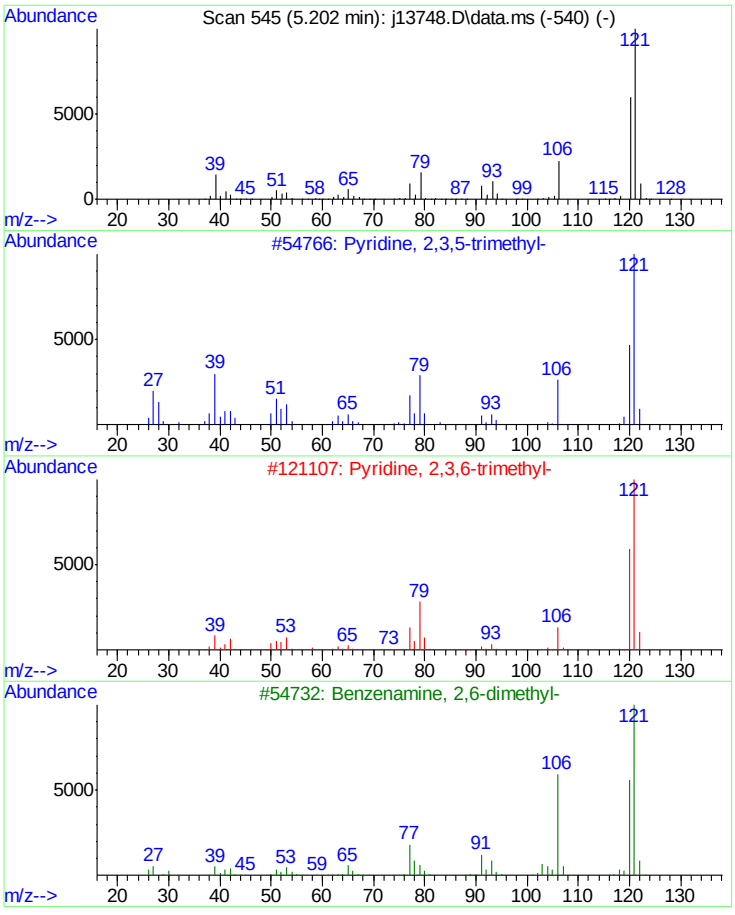
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

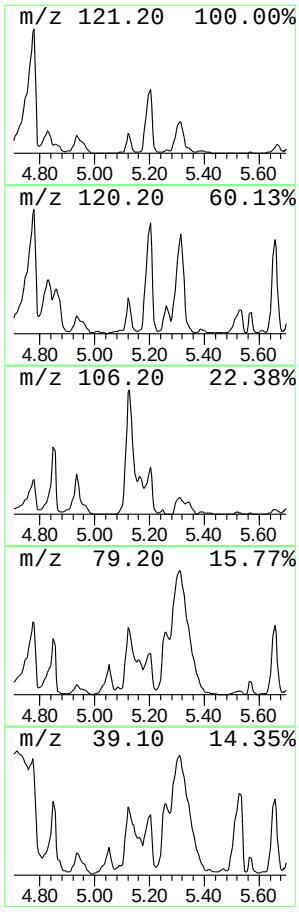
****

Peak Number 8 Pyridine, 2,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.202	80.69 ug/ml	7680430	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,5-trimethyl-	121	C8H11N	000695-98-7	91
2	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	72
3	Benzenamine, 2,6-dimethyl-	121	C8H11N	000087-62-7	72
4	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	72
5	Benzenamine, 2,6-dimethyl-	121	C8H11N	000087-62-7	59





ACCUTEST Laboratories T39187

Library Search Compound Report

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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

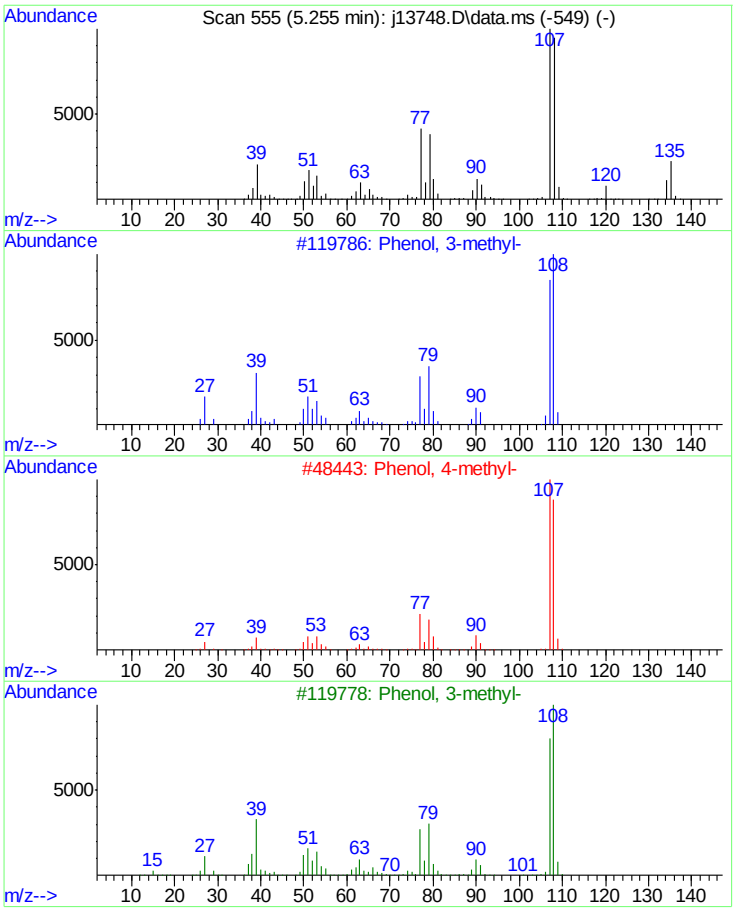
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

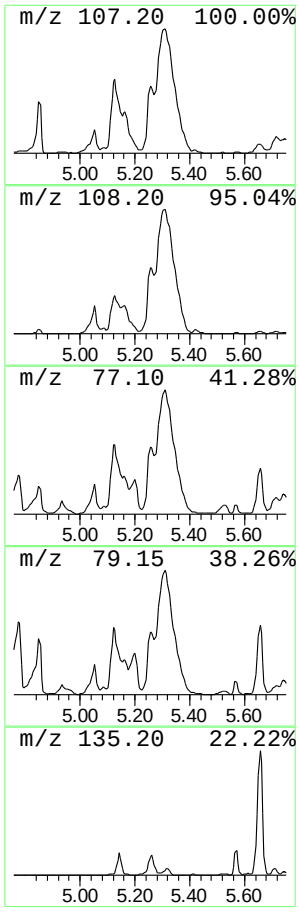
****

Peak Number 9 Phenol, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.255	119.75 ug/ml	11397400	1,4-Dichlorobenzene-d4	4.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-methyl-	108	C7H8O	000108-39-4	95
2	Phenol, 4-methyl-	108	C7H8O	000106-44-5	94
3	Phenol, 3-methyl-	108	C7H8O	000108-39-4	91
4	Phenol, 2-methyl-	108	C7H8O	000095-48-7	90
5	Phenol, 2-methyl-	108	C7H8O	000095-48-7	83





Library Search Compound Report

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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

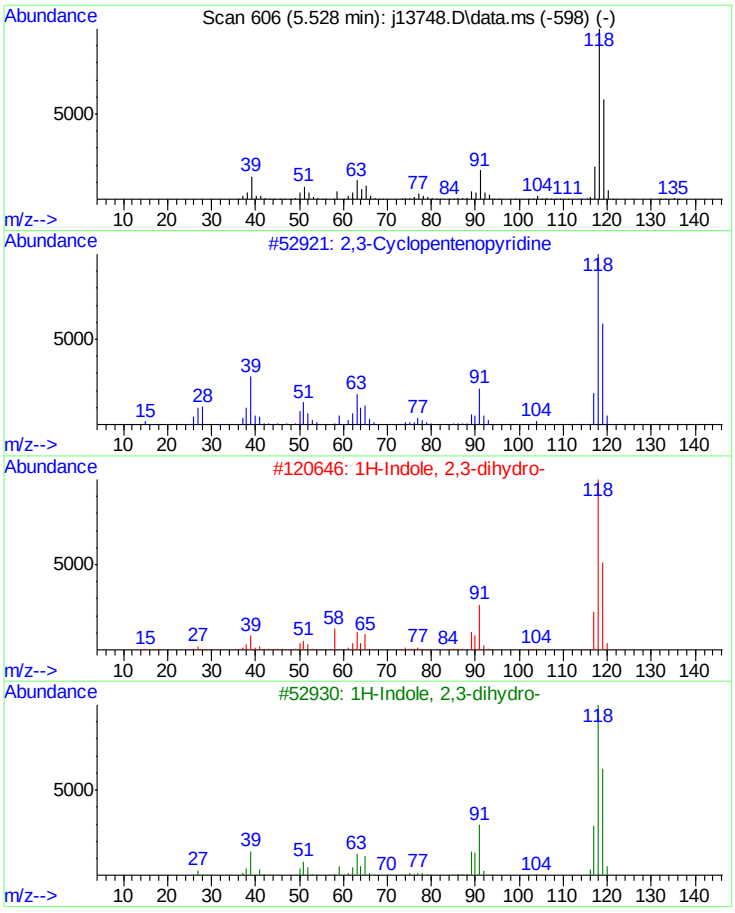
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

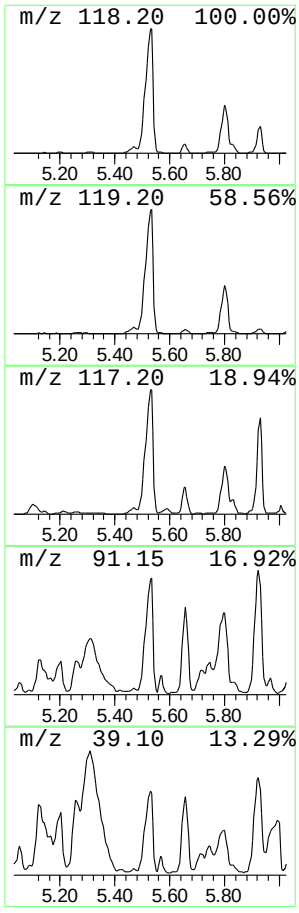
****

Peak Number 10 2,3-Cyclopentenopyridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.528	13.46 ug/ml	13206900	Naphthalene-d8	5.961

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Cyclopentenopyridine	119	C8H9N	000533-37-9	87
2	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	81
3	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	74
4	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	59
5	1H-Indazole	118	C7H6N2	000271-44-3	58





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

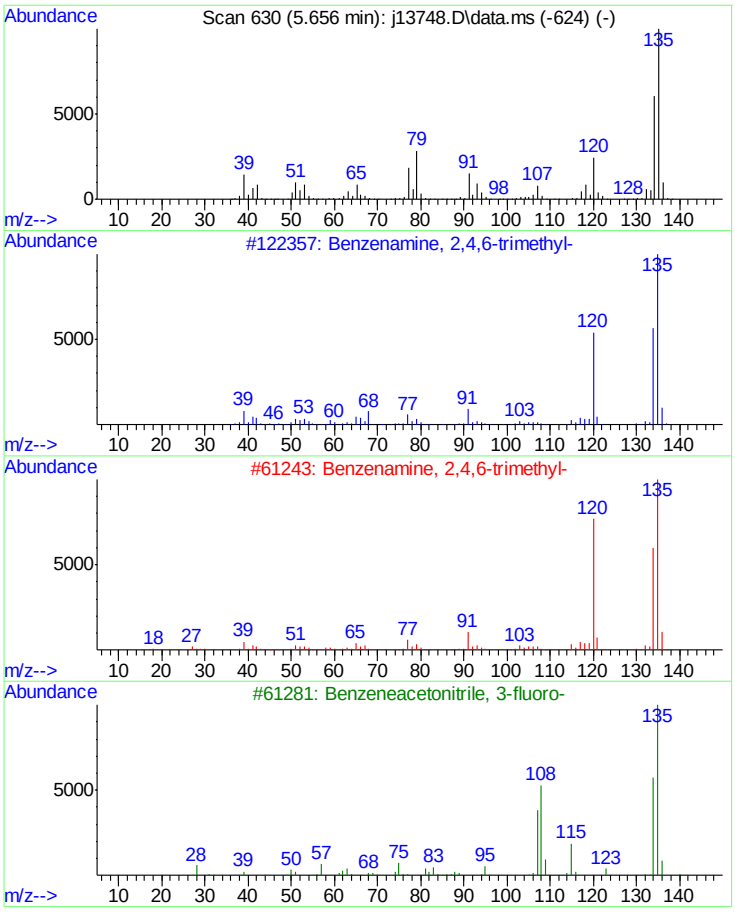
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

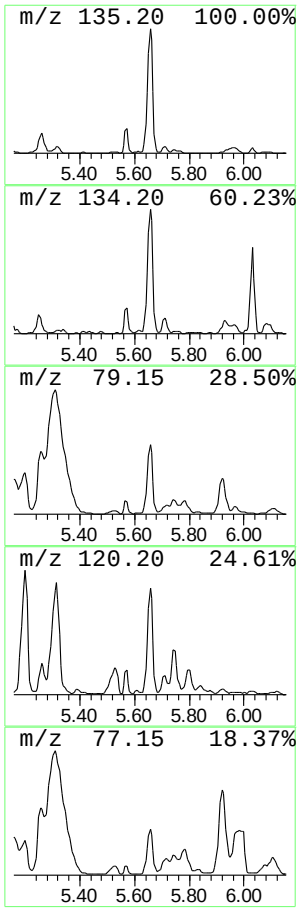
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzenamine, 2,4,6-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.656	11.39 ug/ml	11174300	Naphthalene-d8	5.961

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2,4,6-trimethyl-	135	C9H13N	000088-05-1	80
2	Benzenamine, 2,4,6-trimethyl-	135	C9H13N	000088-05-1	64
3	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	50
4	1-Cyclopentenecarboxylic acid, 2...	246	C15H15FO2	1000158-81-1	43
5	2(3H)-Benzoxazolone	135	C7H5NO2	000059-49-4	43





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

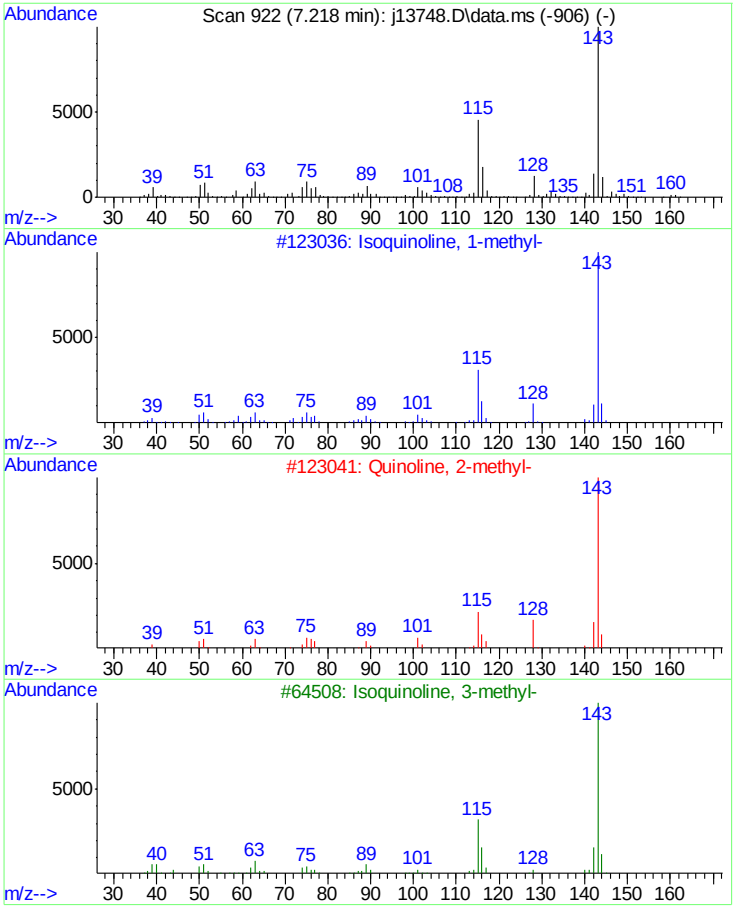
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

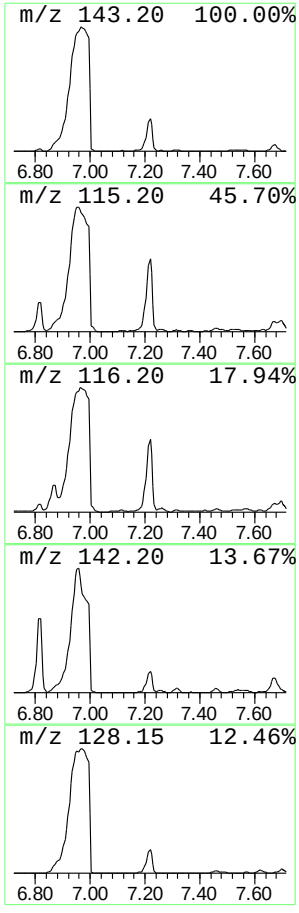
****

Peak Number 12 Isoquinoline, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.218	78.92 ug/ml	12344800	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	95
2	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	93
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90
4	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90
5	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	87





ACCUTEST Laboratories T39187

Library Search Compound Report

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Data File : j13748.D
Acq On    :  9 Oct 2009   8:56 pm
Operator  : sheilac
Sample    : t39187-4,10x
Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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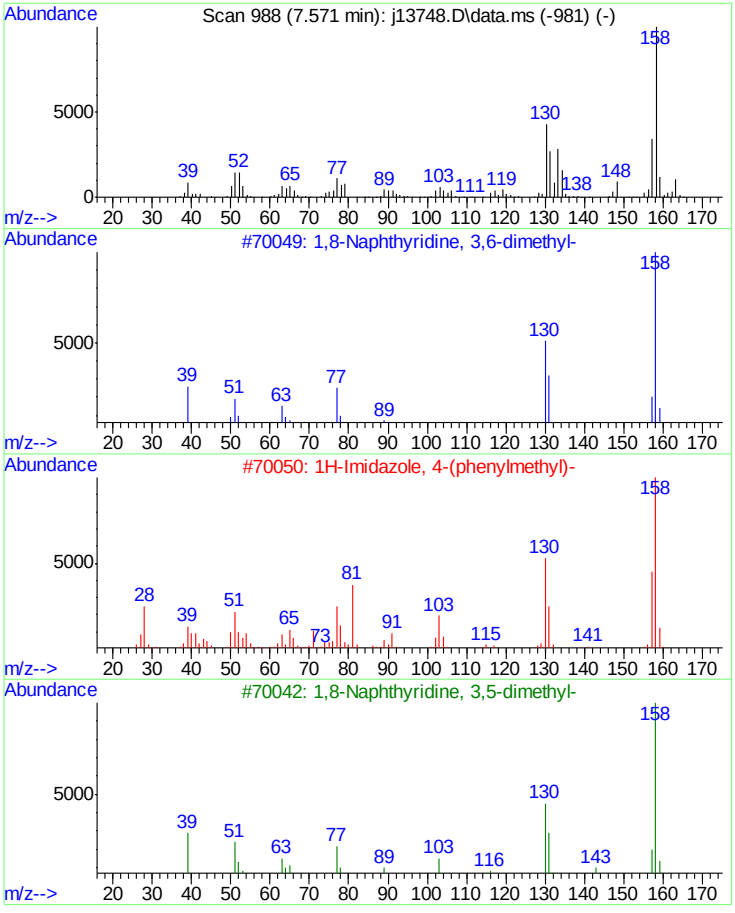
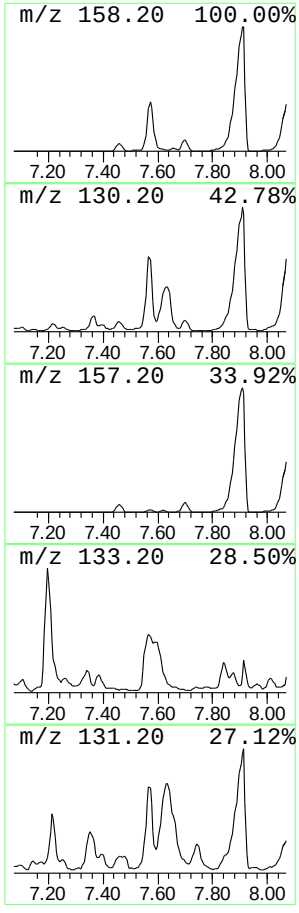
****

Peak Number 13 1,8-Naphthyridine, 3,6-dime... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.571	12.76 ug/ml	1995960	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthyridine, 3,6-dimethyl-	158	C10H10N2	001199-13-9	70
2	1H-Imidazole, 4-(phenylmethyl)-	158	C10H10N2	004238-72-6	62
3	1,8-Naphthyridine, 3,5-dimethyl-	158	C10H10N2	014757-46-1	58
4	1,8-Naphthalenediamine	158	C10H10N2	000479-27-6	50
5	1,8-Naphthalenediamine	158	C10H10N2	000479-27-6	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

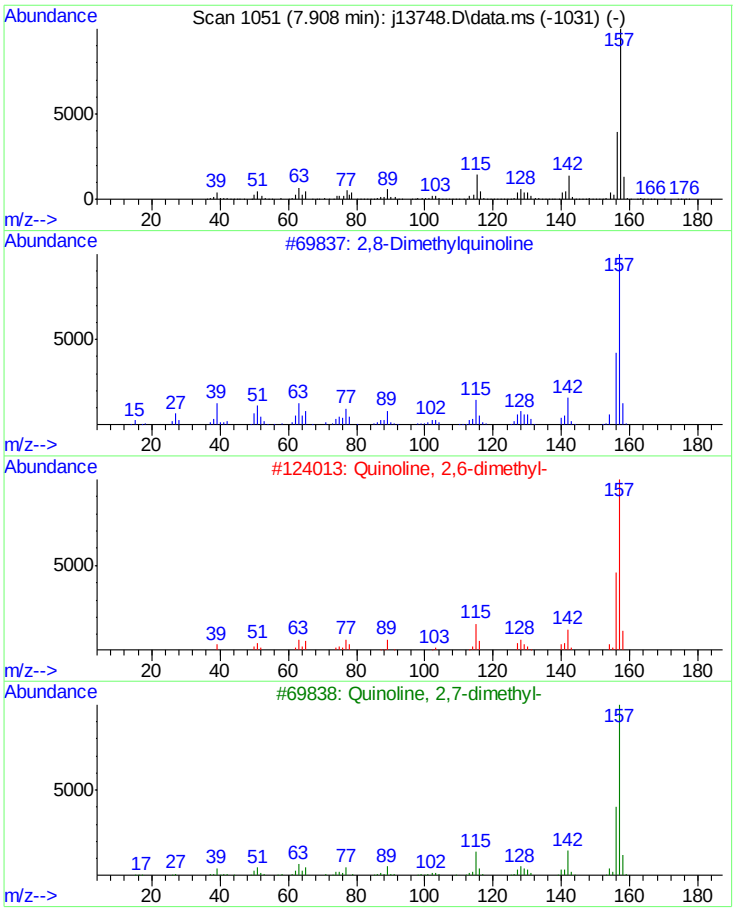
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

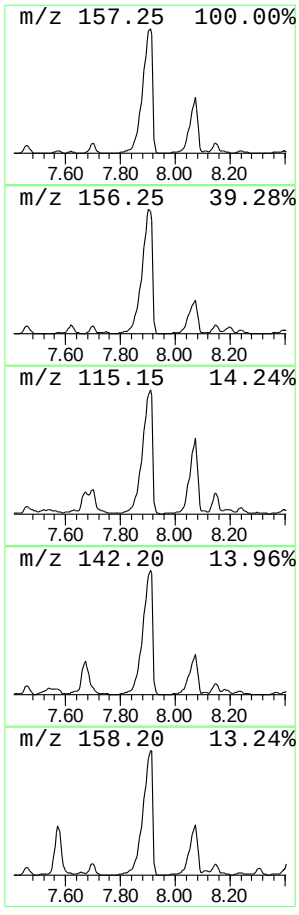
****

Peak Number 14 2,8-Dimethylquinoline Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.908	216.55 ug/ml	33872600	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	97
2	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
3	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	96
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
5	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	94





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

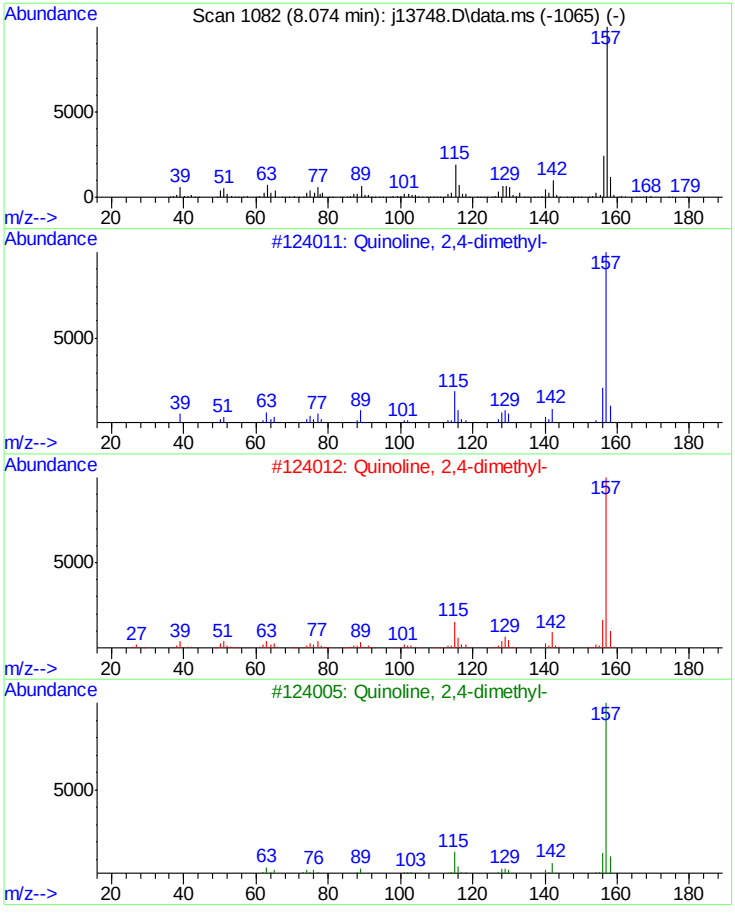
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

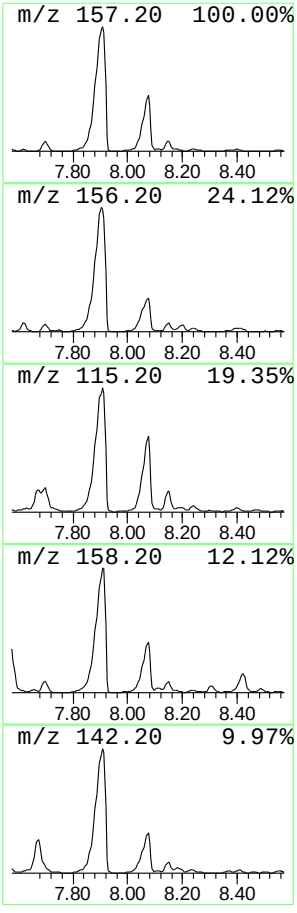
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Quinoline, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.074	78.51 ug/ml	12281100	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	96
2	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	94
3	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
4	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
5	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	93





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
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Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

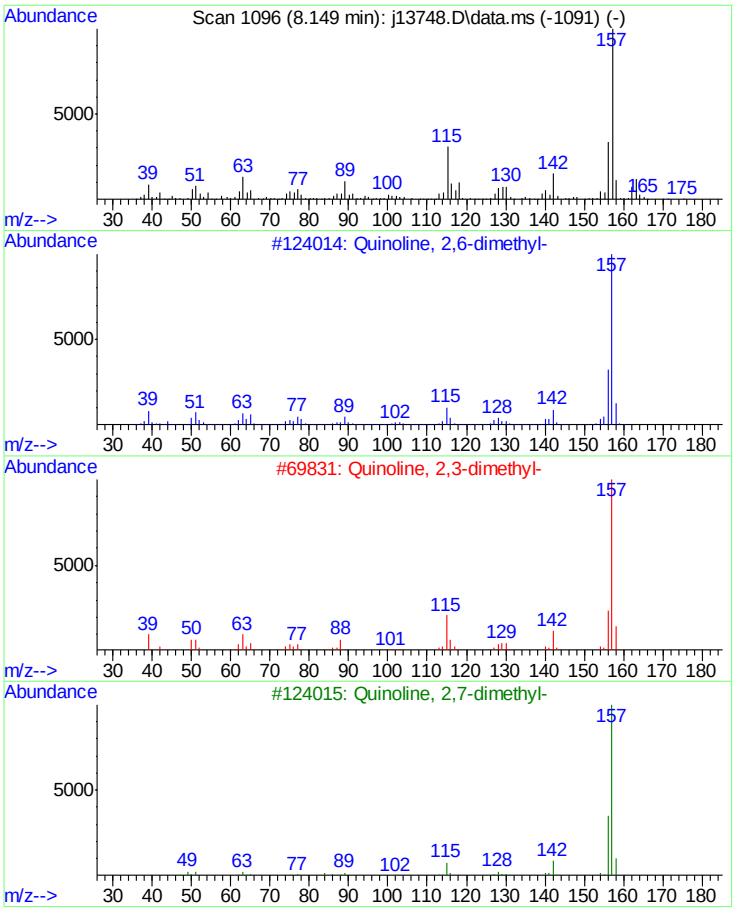
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

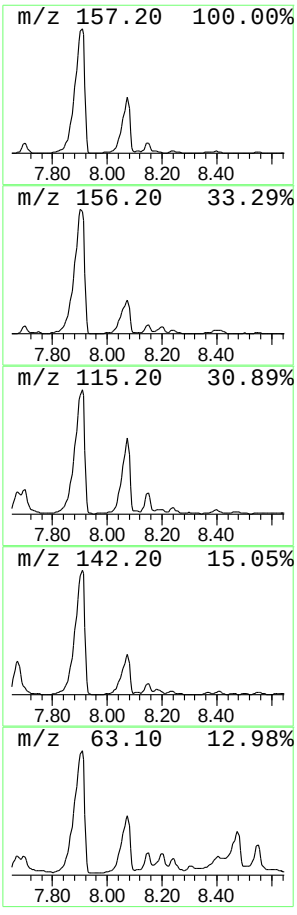
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Quinoline, 2,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.149	13.49 ug/ml	2109690	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	90
2	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	89
3	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	83
4	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	81
5	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	81





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

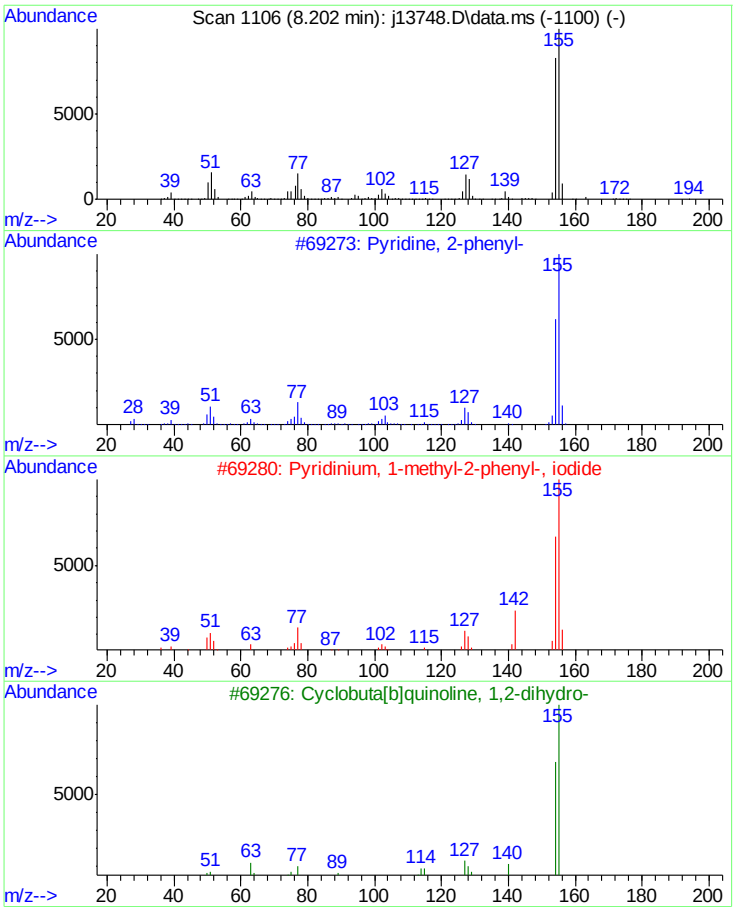
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

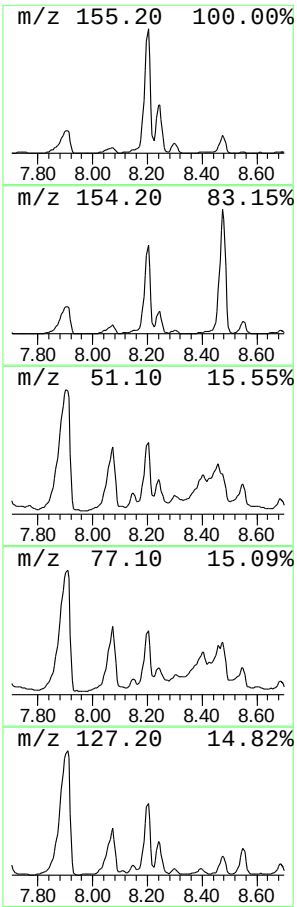
****

Peak Number 17 Pyridine, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.202	24.02 ug/ml	3757300	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	90
2	Pyridinium, 1-methyl-2-phenyl-, ...	297	C12H12IN	052806-02-7	87
3	Cyclobuta[b]quinoline, 1,2-dihydro-	155	C11H9N	013353-49-6	72
4	Pyridine, 3-phenyl-	155	C11H9N	001008-88-4	58
5	Pyridine, 4-phenyl-	155	C11H9N	000939-23-1	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

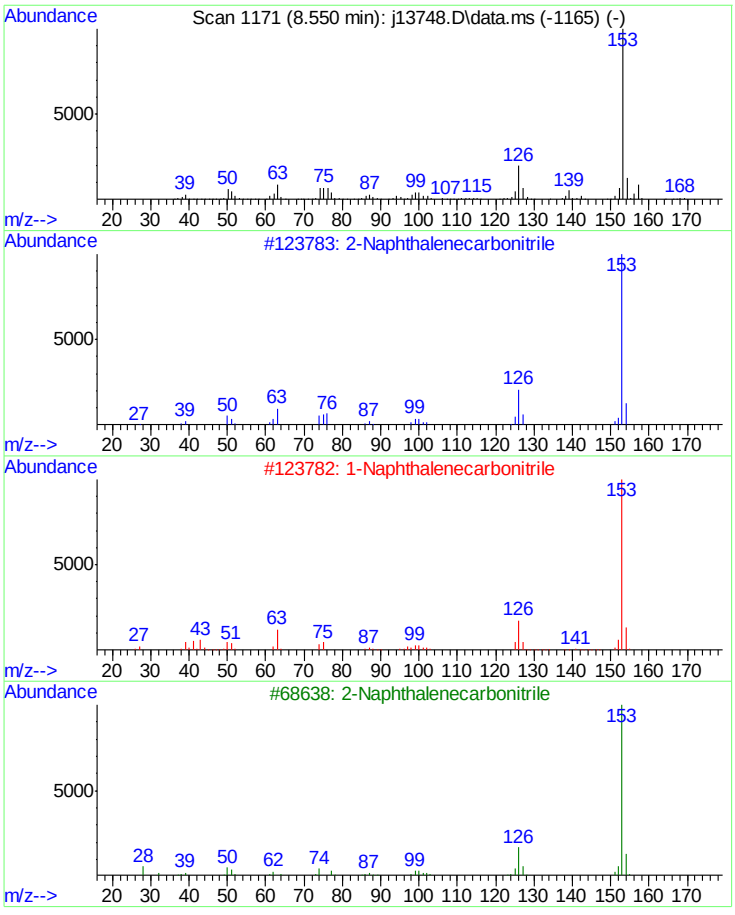
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

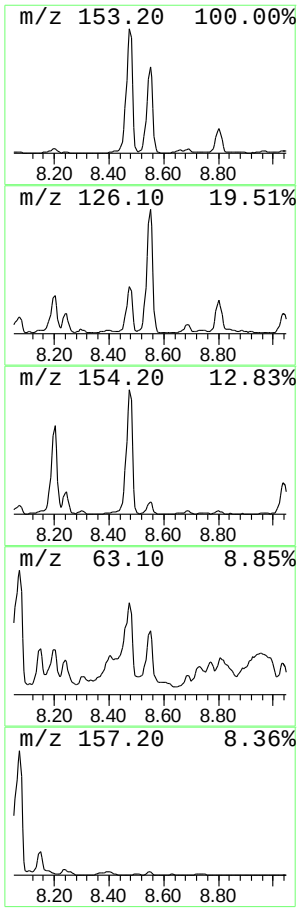
****

Peak Number 18 2-Naphthalenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.550	18.57 ug/ml	2904610	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

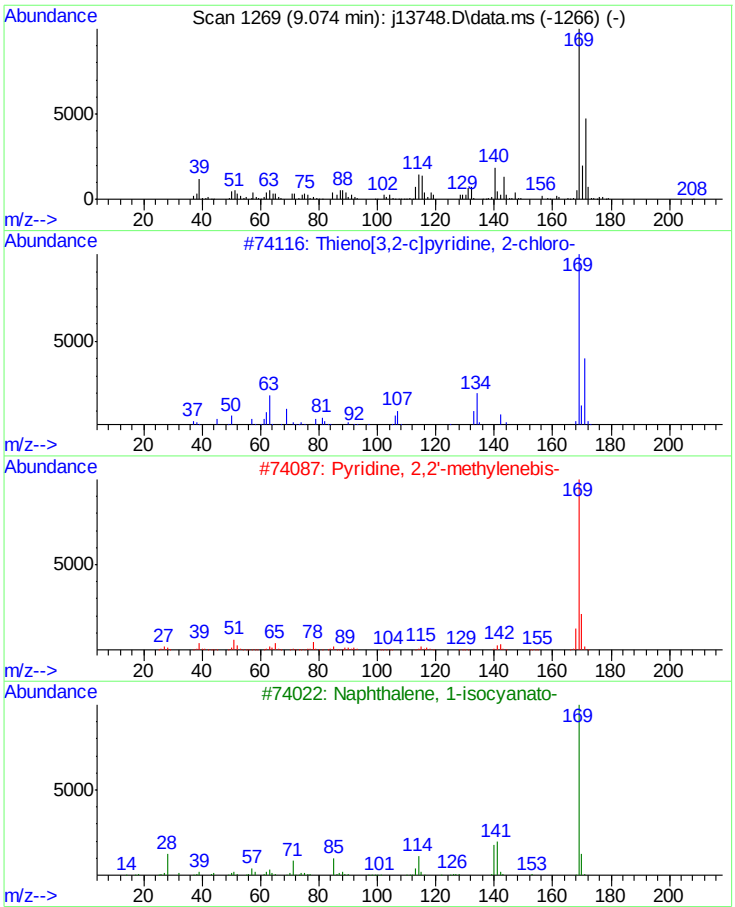
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

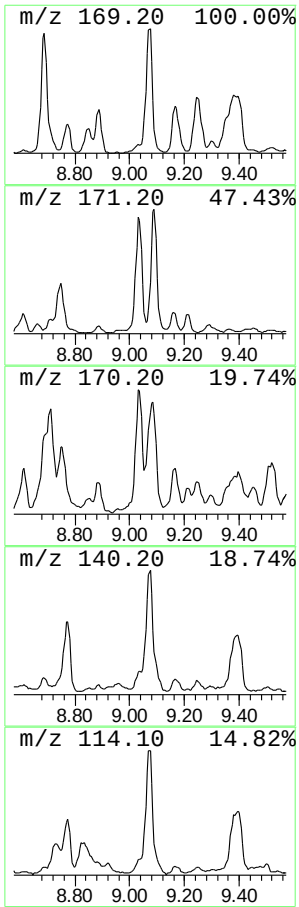
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Thieno[3,2-c]pyridine, 2-ch... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.074	10.73 ug/ml	1678110	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[3,2-c]pyridine, 2-chloro-	169	C7H4ClNS	028783-23-5	64
2	Pyridine, 2,2'-methylenebis-	170	C11H10N2	001132-37-2	49
3	Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	47
4	Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	43
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	43





Library Search Compound Report

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Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

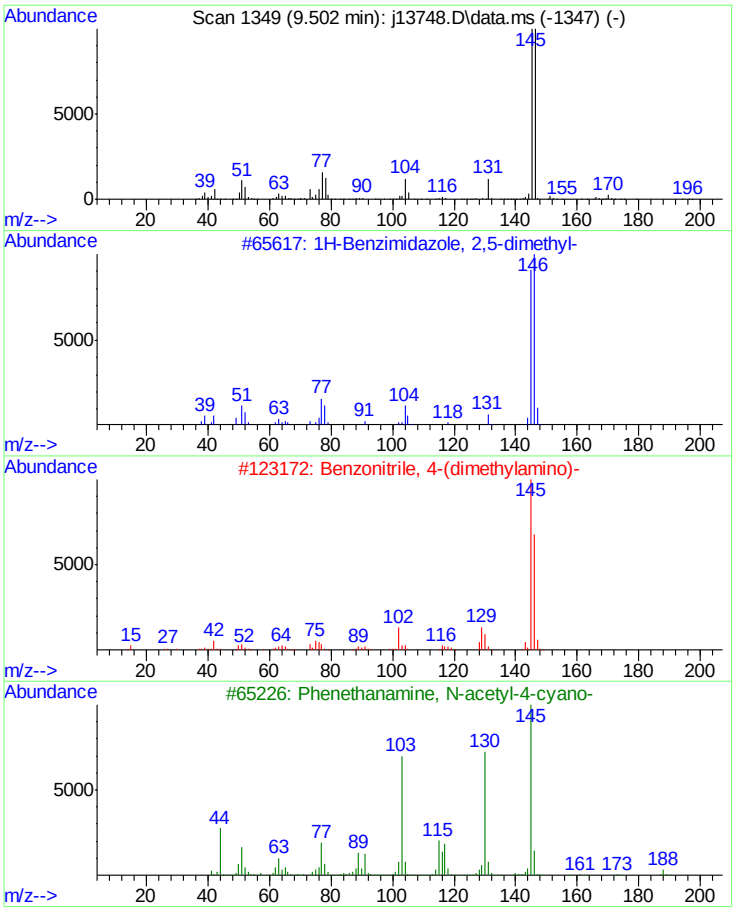
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

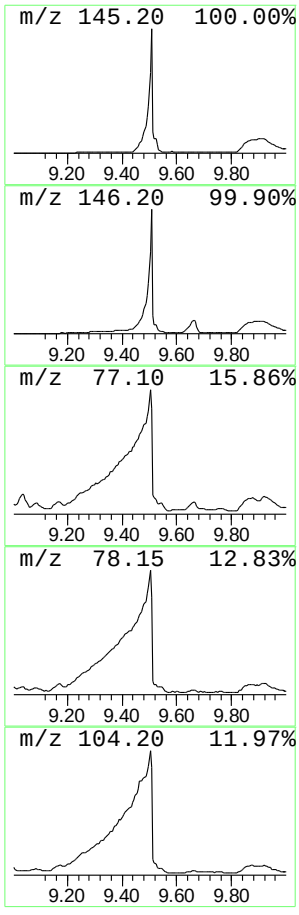
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Benzimidazole, 2,5-dimet... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.502	31.83 ug/ml	4979620	Acenaphthene-d10	8.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	91
2	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	64
3	Phenethanamine, N-acetyl-4-cyano-	188	C11H12N2O	1000130-54-8	25
4	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	9
5	1H-1,2,3-Triazole, 4-phenyl-	145	C8H7N3	001680-44-0	9





Library Search Compound Report

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Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

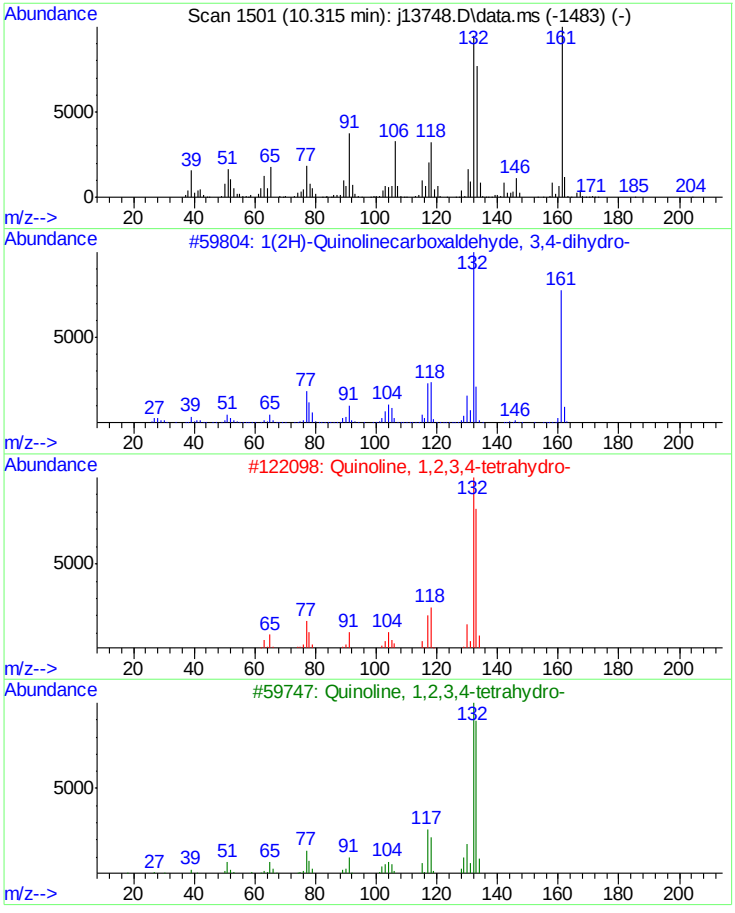
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

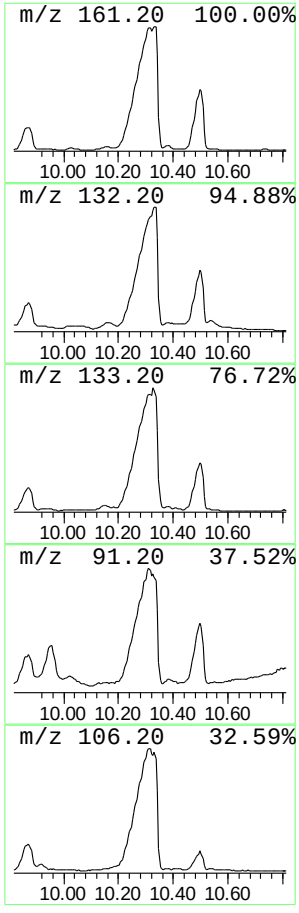
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1(2H)-Quinolinecarboxaldehy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.315	82.11 ug/ml	4794310	Phenanthrene-d10	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	70
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	64
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	60
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	53
5	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	53





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Acq On    :  9 Oct 2009   8:56 pm
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Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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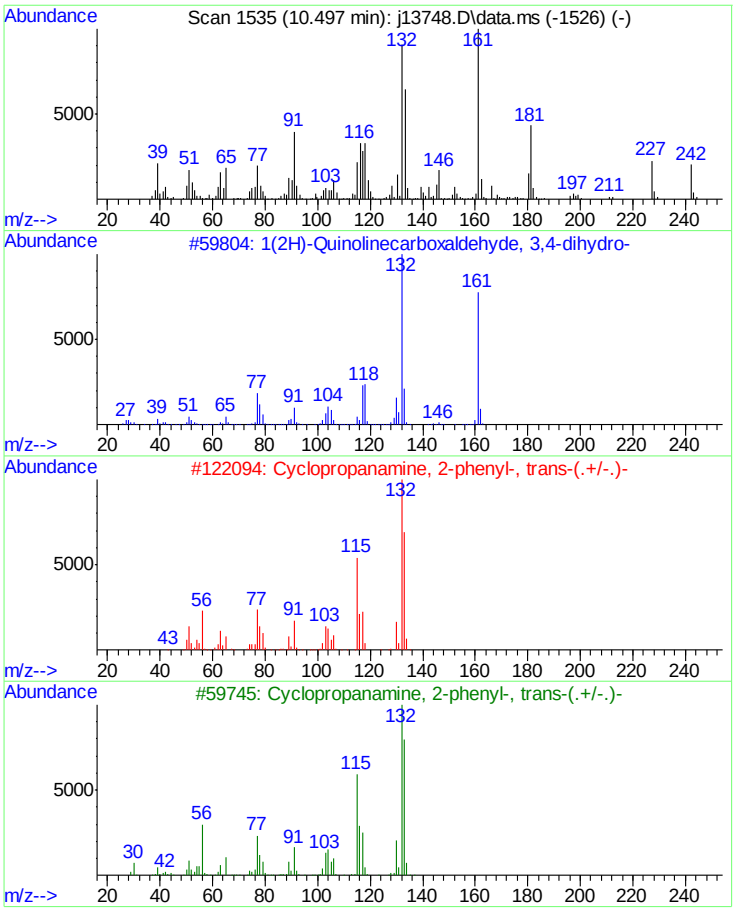
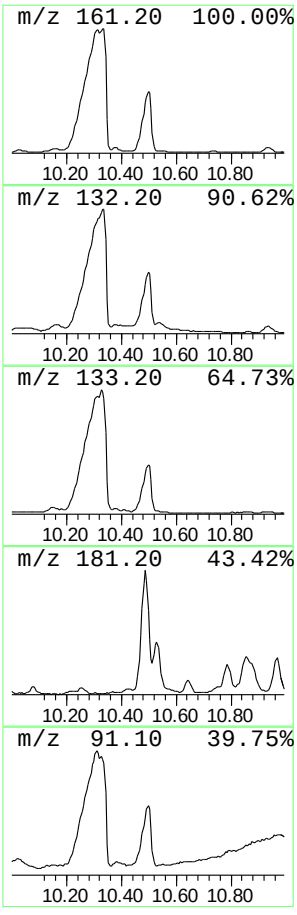
****

Peak Number 22 1(2H)-Quinolinecarboxaldehy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.497	35.64 ug/ml	2080860	Phenanthrene-d10	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	49
2	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	46
3	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	46
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	46
5	1H-Indole-5-carboxaldehyde, 2,3-...	161	C10H11NO	060082-02-2	46





Library Search Compound Report

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Data File : j13748.D
Acq On    :  9 Oct 2009   8:56 pm
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Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```
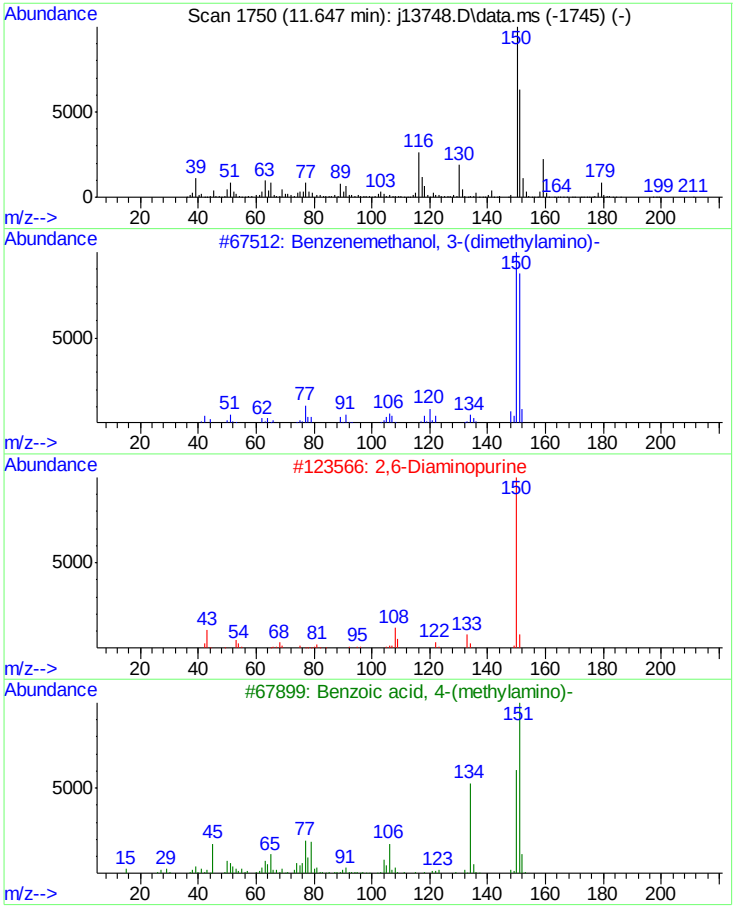
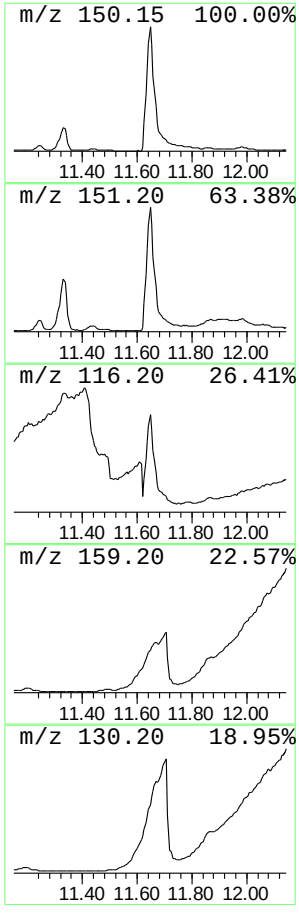

****

Peak Number 23 Benzenemethanol, 3-(dimethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.647	79.42 ug/ml	4637230	Phenanthrene-d10	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, 3-(dimethylamino)-	151	C9H13NO	023501-93-1	38
2	2,6-Diaminopurine	150	C5H6N6	001904-98-9	27
3	Benzoic acid, 4-(methylamino)-	151	C8H9NO2	010541-83-0	22
4	Histidine, 4-trifluoromethyl-	223	C7H8F3N3O2	1000116-75-1	17
5	Pyrrolidine, 1-(1-cyclohexen-1-yl)-	151	C10H17N	001125-99-1	16





Library Search Compound Report

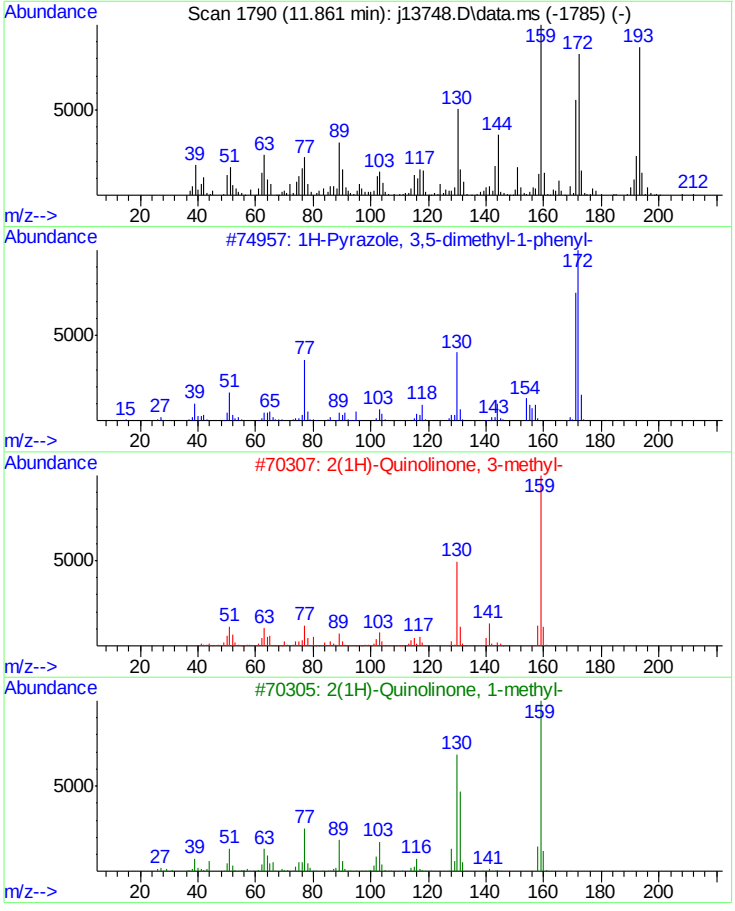
```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On    :  9 Oct 2009   8:56 pm
Operator  : sheilac
Sample    : t39187-4,10x
Misc      : op13205,Ej631,1000,,,1,10,water
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

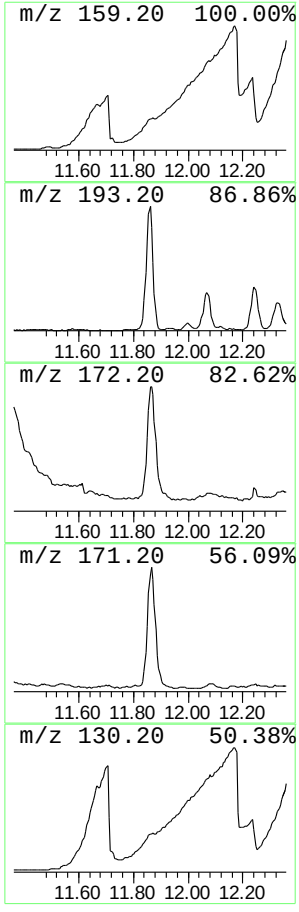
****

Peak Number 24 1H-Pyrazole, 3,5-dimethyl-1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.861	30.17 ug/ml	1761410	Phenanthrene-d10	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole, 3,5-dimethyl-1-phenyl-	172	C11H12N2	001131-16-4	55
2	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	35
3	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	35
4	Quinoline, 7-methoxy-	159	C10H9NO	004964-76-5	30
5	4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	30





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

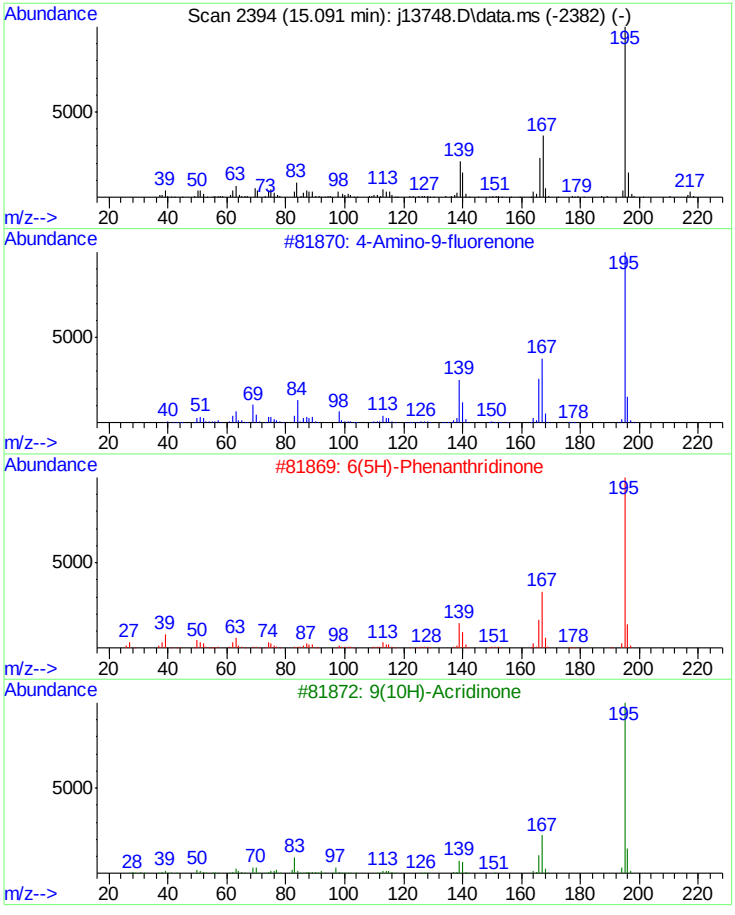
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

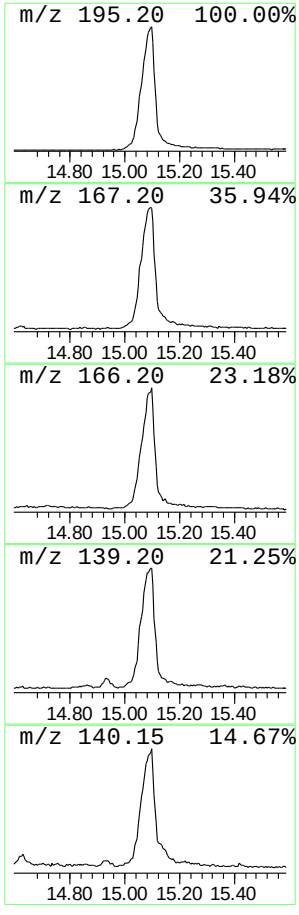
****

Peak Number 25 4-Amino-9-fluorenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.091	32.80 ug/ml	1682210	Chrysene-d12	16.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	95
2	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	94
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	93
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	93
5	8-Methyl-4-azafluorenone	195	C13H9NO	1000216-52-6	91





ACCUTEST Laboratories T39187

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13748.D
Acq On : 9 Oct 2009 8:56 pm
Operator : sheilac
Sample : t39187-4,10x
Misc : op13205,Ej631,1000,,,1,10,water
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Pyridine, 3-met...	3.560	29.4	ug/ml	2795460	1	4.720	3807200	40.0
Pyridine, 2,4-d...	3.731	49.2	ug/ml	4687440	1	4.720	3807200	40.0
Pyridine, 2,4-d...	4.121	130.2	ug/ml	12394900	1	4.720	3807200	40.0
Pyridine, 2,3-d...	4.218	43.5	ug/ml	4138850	1	4.720	3807200	40.0
Pyridine, 3,4-d...	4.849	90.4	ug/ml	8607160	1	4.720	3807200	40.0
Indene	4.940	41.4	ug/ml	3943850	1	4.720	3807200	40.0
Phenol, 2-methyl-	5.052	43.4	ug/ml	4132350	1	4.720	3807200	40.0
Pyridine, 2,3,5...	5.202	80.7	ug/ml	7680430	1	4.720	3807200	40.0
Phenol, 3-methyl-	5.255	119.7	ug/ml	11397400	1	4.720	3807200	40.0
2,3-Cyclopenten...	5.528	13.5	ug/ml	13206900	2	5.961	39239300	40.0
Benzenamine, 2,...	5.656	11.4	ug/ml	11174300	2	5.961	39239300	40.0
Isoquinoline, 1...	7.218	78.9	ug/ml	12344800	3	8.422	6256850	40.0
1,8-Naphthyridi...	7.571	12.8	ug/ml	1995960	3	8.422	6256850	40.0
2,8-Dimethylqui...	7.908	216.5	ug/ml	33872600	3	8.422	6256850	40.0
Quinoline, 2,4-...	8.074	78.5	ug/ml	12281100	3	8.422	6256850	40.0
Quinoline, 2,6-...	8.149	13.5	ug/ml	2109690	3	8.422	6256850	40.0
Pyridine, 2-phe...	8.202	24.0	ug/ml	3757300	3	8.422	6256850	40.0
2-Naphthaleneca...	8.550	18.6	ug/ml	2904610	3	8.422	6256850	40.0
Thieno[3,2-c]py...	9.074	10.7	ug/ml	1678110	3	8.422	6256850	40.0
1H-Benzimidazol...	9.502	31.8	ug/ml	4979620	3	8.422	6256850	40.0
1(2H)-Quinoline...	10.315	82.1	ug/ml	4794310	4	11.198	2335630	40.0
1(2H)-Quinoline...	10.497	35.6	ug/ml	2080860	4	11.198	2335630	40.0
Benzenemethanol...	11.647	79.4	ug/ml	4637230	4	11.198	2335630	40.0
1H-Pyrazole, 3,...	11.861	30.2	ug/ml	1761410	4	11.198	2335630	40.0
4-Amino-9-fluor...	15.091	32.8	ug/ml	1682210	5	16.739	2051780	40.0

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 09:37:47 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

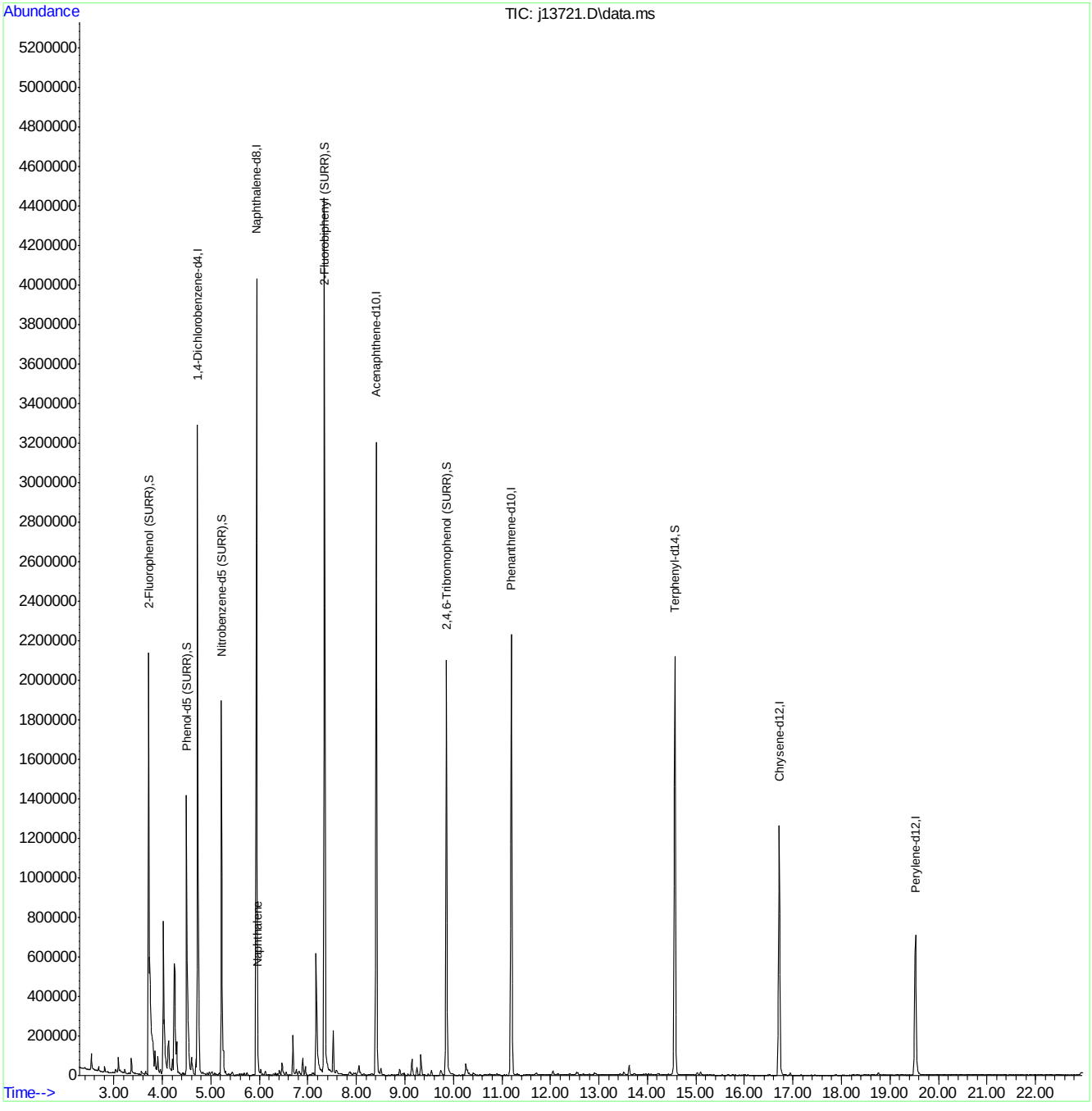
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	520592	40.00	ug/ml	0.00
20) Naphthalene-d8	5.940	136	1853050	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.411	164	978333	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.197	188	1392579	40.00	ug/ml	0.00
71) Chrysene-d12	16.717	240	897109	40.00	ug/ml	-0.02
80) Perylene-d12	19.520	264	596254	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.715	112	814504	49.86	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 49.86%			
5) Phenol-d5 (SURR)	4.496	99	694769	34.03	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 34.03%			
21) Nitrobenzene-d5 (SURR)	5.218	82	724278	37.27	ug/ml	-0.08
Spiked Amount 50.000	Range 29 - 115		Recovery = 74.54%			
40) 2-Fluorobiphenyl (SURR)	7.341	172	1306799	34.29	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 68.58%			
62) 2,4,6-Tribromophenol (...	9.860	330	371718	79.33	ug/ml	-0.10
Spiked Amount 100.000	Range 32 - 128		Recovery = 79.33%			
74) Terphenyl-d14	14.567	244	1100547	51.38	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery = 102.76%			
Target Compounds						Qvalue
30) Naphthalene	5.961	128	123445	2.45	ug/ml#	69

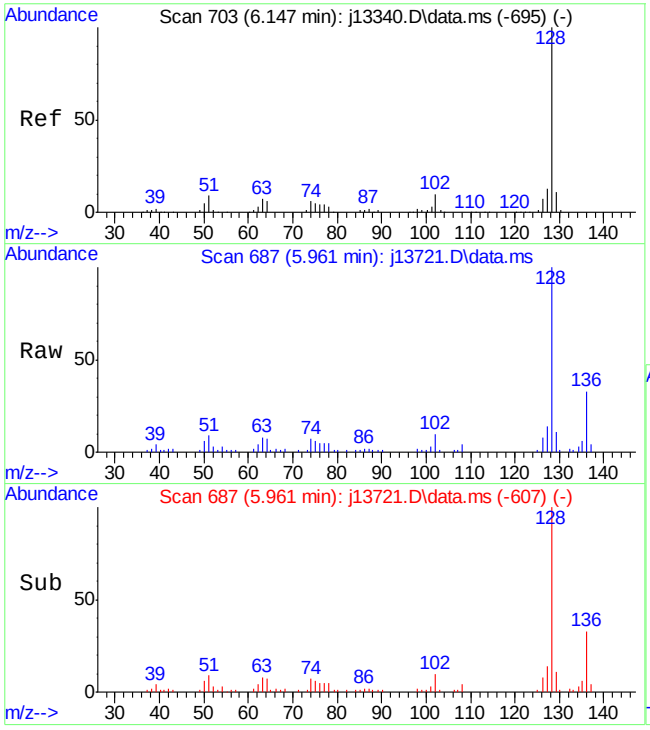
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 09:37:47 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

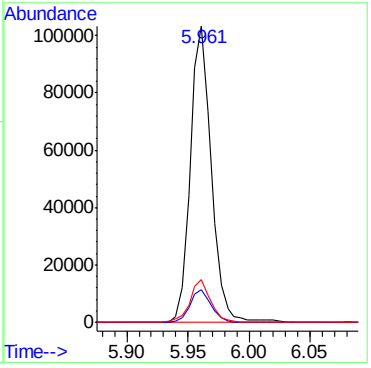




#30
Naphthalene
Concen: 2.45 ug/ml
RT: 5.961 min Scan# 687
Delta R.T. -0.073 min
Lab File: j13721.D
Acq: 9 Oct 2009 3:58 am

Tgt Ion:128 Resp: 123445

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	30.9
127	0.0	0.0	33.4



8.1.12

8

LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.538	44	47	51	rBV	79029	69166	1.17%	0.144%
2	3.094	147	151	154	rBV	74697	68273	1.15%	0.143%
3	3.362	197	201	205	rBV	78393	73570	1.24%	0.154%
4	3.715	264	267	270	rBV	2132988	2092258	35.25%	4.368%
5	3.741	270	272	289	rVV	585055	1362370	22.96%	2.844%
6	3.848	289	292	295	rVB	96094	82980	1.40%	0.173%
7	3.907	300	303	309	rVB	85613	81288	1.37%	0.170%
8	4.020	321	324	327	rBV	754579	690973	11.64%	1.443%
9	4.041	327	328	338	rVV2	259825	310574	5.23%	0.648%
10	4.127	338	344	352	rVV2	152717	281077	4.74%	0.587%
11	4.207	356	359	362	rVV	61642	61057	1.03%	0.127%
12	4.239	362	365	366	rVV	547923	451195	7.60%	0.942%
13	4.255	366	368	373	rVV	501103	586283	9.88%	1.224%
14	4.292	373	375	380	rVB	153789	148479	2.50%	0.310%
15	4.496	410	413	429	rBV	1413485	2216555	37.35%	4.628%
16	4.603	429	433	446	rVB5	85849	146035	2.46%	0.305%
17	4.694	446	450	452	rBV	83634	89393	1.51%	0.187%
18	4.726	452	456	473	rVB	3280474	3569081	60.14%	7.451%
19	5.218	544	548	554	rBV	1890702	2234230	37.65%	4.664%
20	5.260	554	556	561	rVB	110482	105968	1.79%	0.221%
21	5.940	677	683	696	rBV	4030290	4806610	80.99%	10.035%
22	6.469	777	782	787	rBV	60570	83648	1.41%	0.175%
23	6.689	817	823	829	rBV	201875	244130	4.11%	0.510%
24	6.892	854	861	867	rBV	85948	120176	2.02%	0.251%
25	7.170	908	913	930	rBV	615926	1098084	18.50%	2.293%
26	7.341	936	945	962	rBV	4423108	5934943	100.00%	12.391%
27	7.523	974	979	987	rVB	212080	255930	4.31%	0.534%
28	8.411	1137	1145	1152	rBV	3200176	4619392	77.83%	9.644%
29	9.144	1274	1282	1293	rBV	83285	143615	2.42%	0.300%
30	9.331	1312	1317	1324	rVB	104097	127608	2.15%	0.266%
31	9.737	1384	1393	1402	rBV2	28380	66650	1.12%	0.139%
32	9.855	1407	1415	1433	rBV	2098632	3561677	60.01%	7.436%
33	10.256	1485	1490	1494	rBV	59745	93767	1.58%	0.196%
34	11.197	1654	1666	1678	rBV2	2228275	3972554	66.93%	8.294%

LSC Area Percent Report

```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On    :  9 Oct 2009   3:58 am
Operator  : sheilac
Sample    : t39187-5
Misc      : op13205,Ej630,1000,,,1,1,water
ALS Vial  : 20   Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF                          Filtering: 5
Sampling  : 1                             Min Area: 1 % of largest Peak
Start Thrs: 0.2                          Max Peaks: 100
Stop Thrs : 0                        Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method    : C:\msdchem\1\METHODS\ej615mg.m
Title     :
```

35	13.620	2112	2119	2128	rBV2	49848	92019	1.55%	0.192%
36	14.567	2279	2296	2309	rBV2	2115787	3854872	64.95%	8.048%
37	16.717	2686	2698	2720	rBV	1262248	2491922	41.99%	5.202%
38	19.525	3211	3223	3246	rBV	707408	1610555	27.14%	3.362%

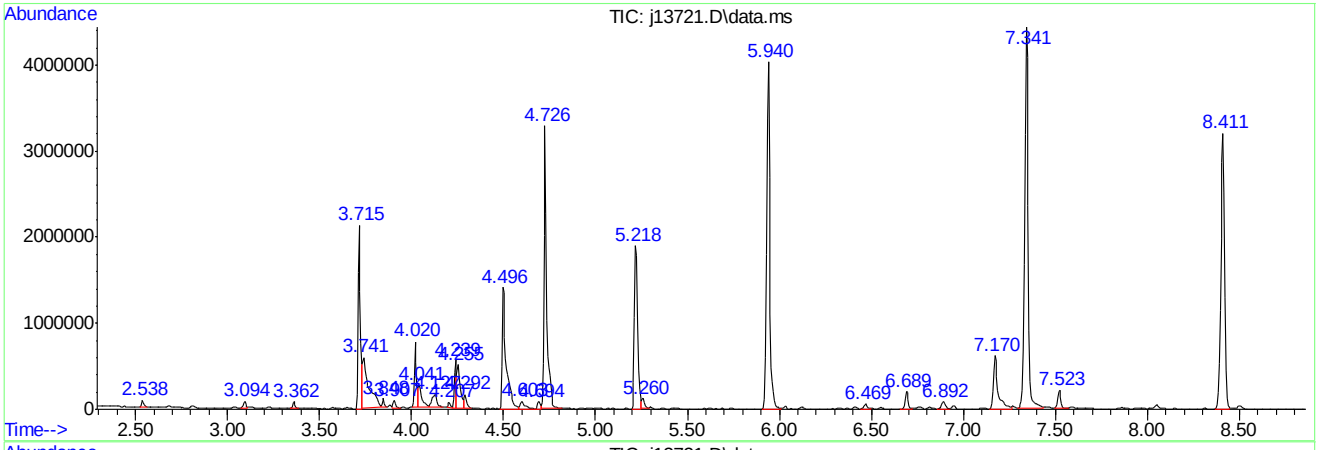
Sum of corrected areas: 47898957

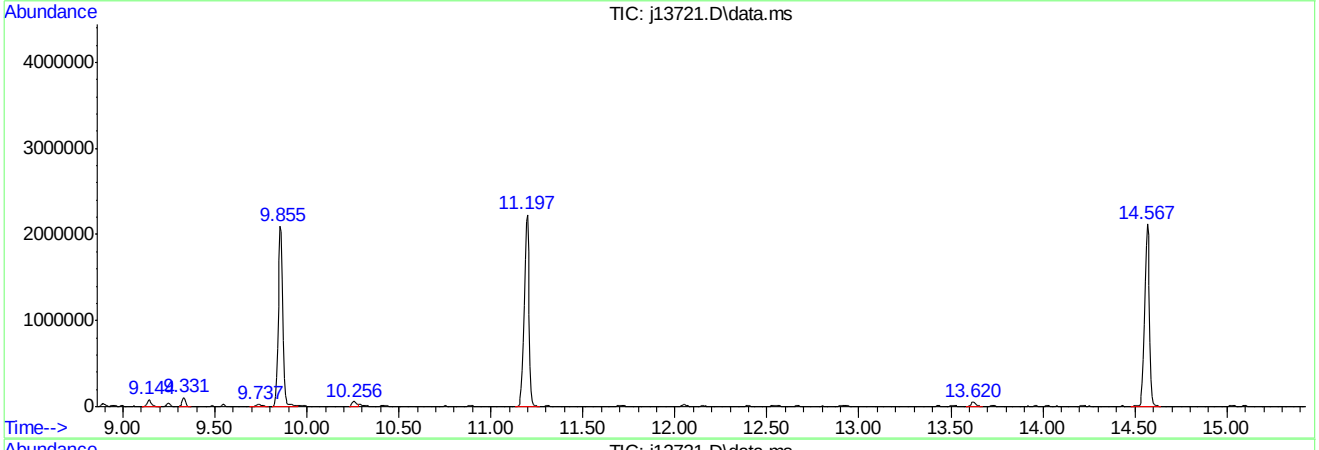
LSC Report - Integrated Chromatogram

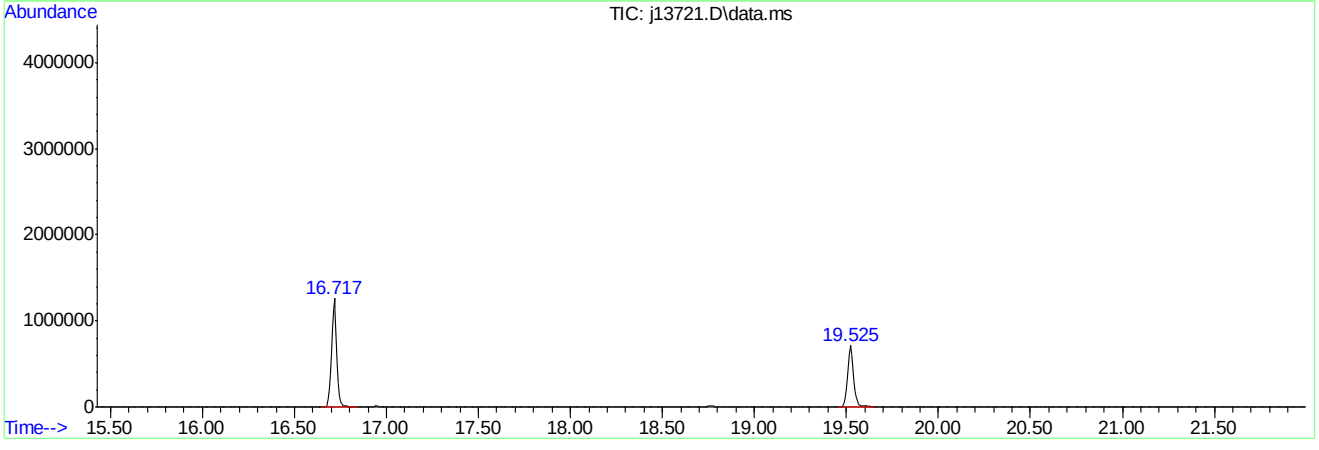
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

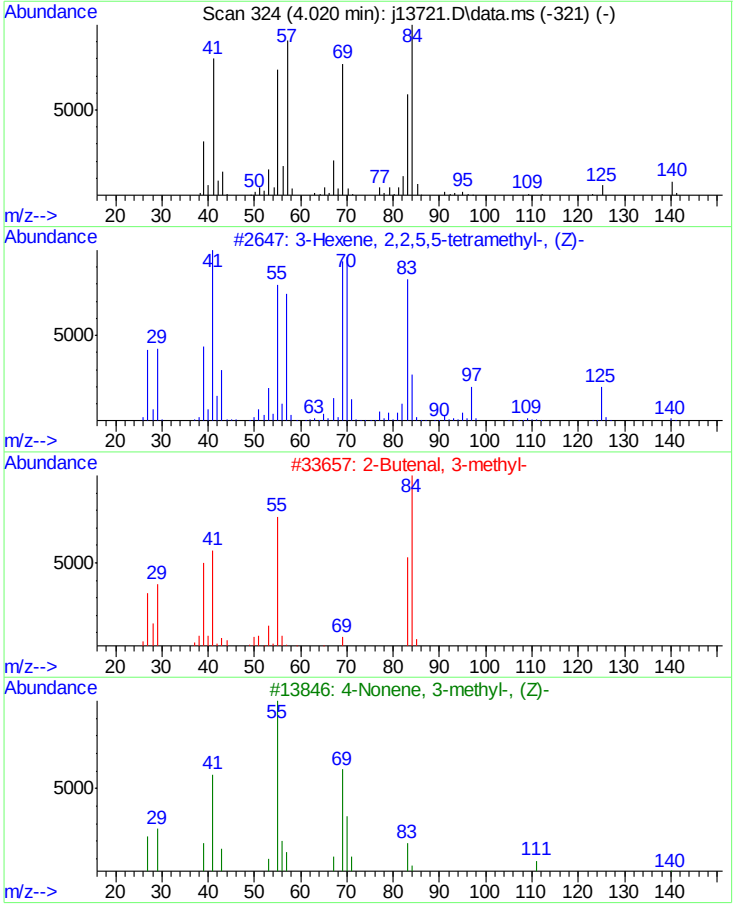
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

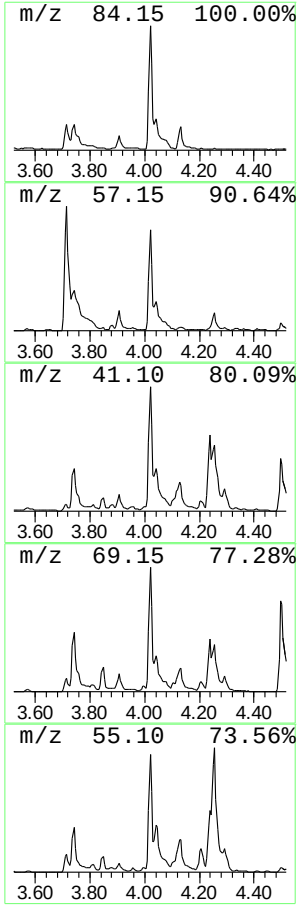
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 3-Hexene, 2,2,5,5-tetrameth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.020	7.74 ug/ml	690973	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	47
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
3	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	38
4	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	38
5	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	38





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

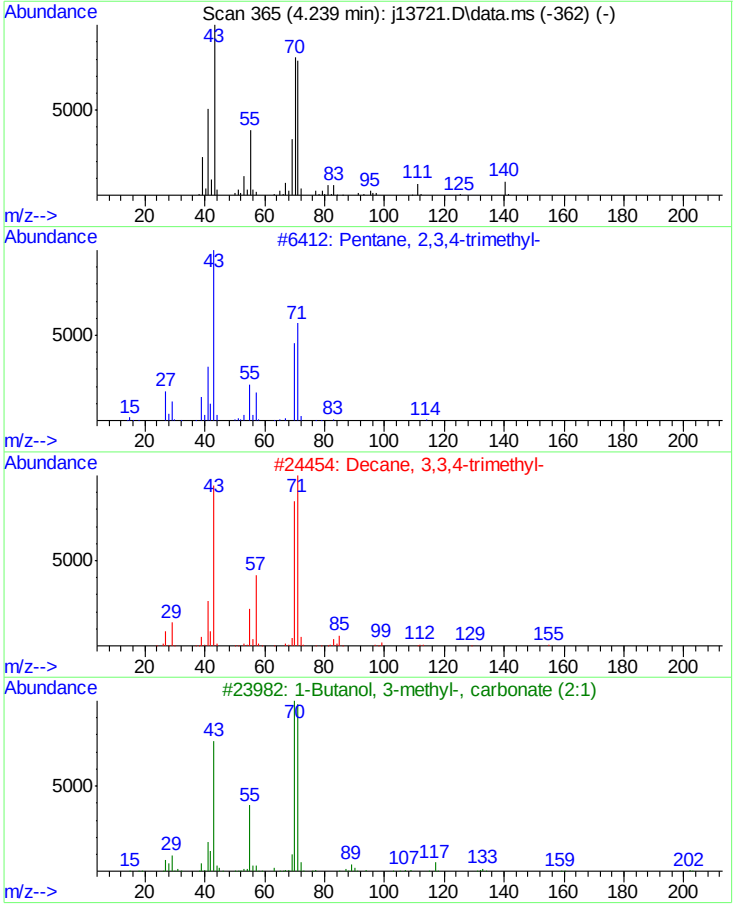
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

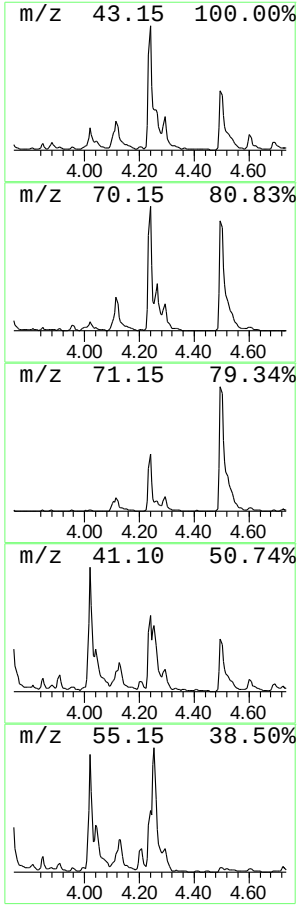
****

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.239	5.06 ug/ml	451195	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
3	1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	72
4	3,3-Dimethyl-2-pentanol	116	C7H16O	1000114-53-7	64
5	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	56





Library Search Compound Report

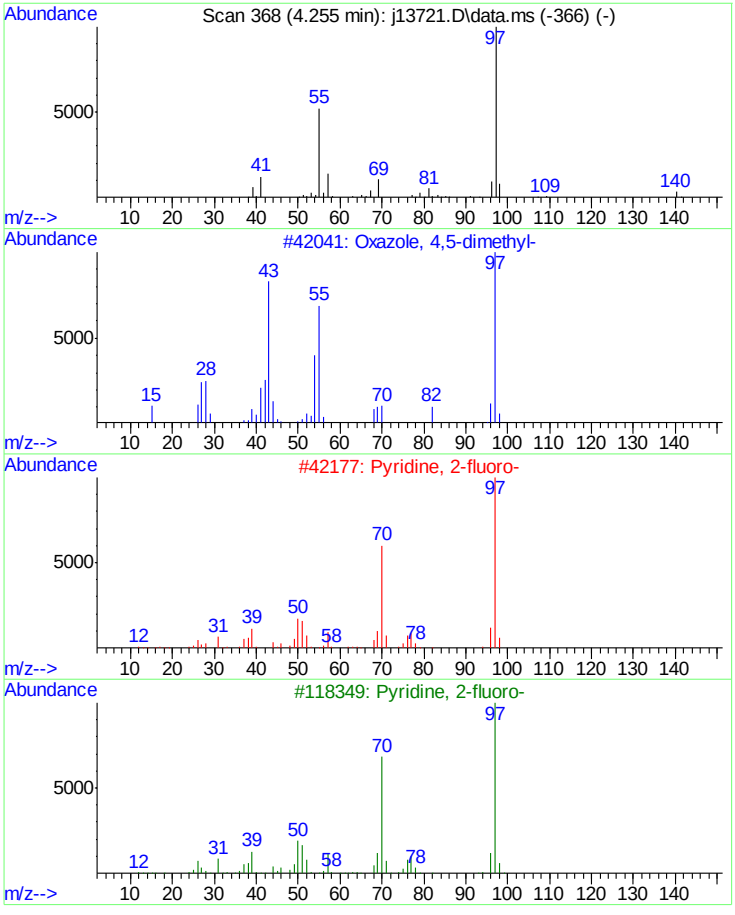
```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On    :  9 Oct 2009   3:58 am
Operator  : sheilac
Sample    : t39187-5
Misc      : op13205,Ej630,1000,,,1,1,water
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

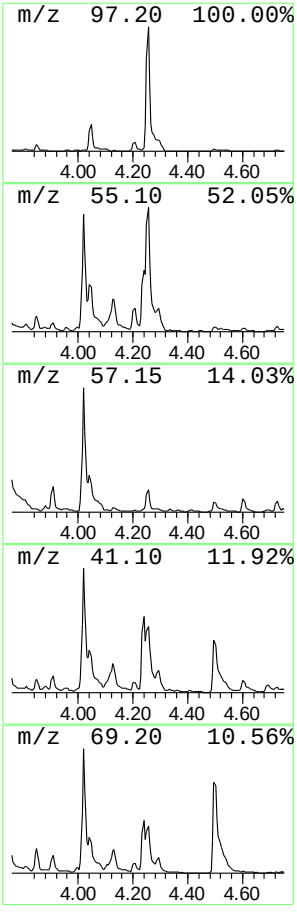
****

Peak Number 3 Oxazole, 4,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.255	6.57 ug/ml	586283	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64
2	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
3	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
4	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	59
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	56





Library Search Compound Report

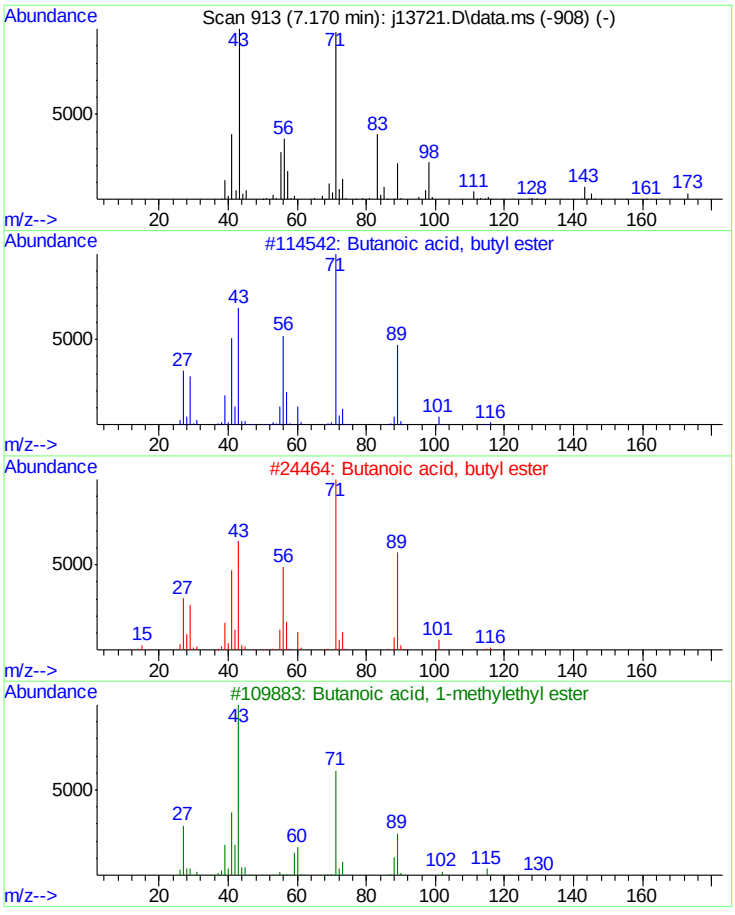
```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On    :  9 Oct 2009   3:58 am
Operator  : sheilac
Sample    : t39187-5
Misc      : op13205,Ej630,1000,,,1,1,water
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

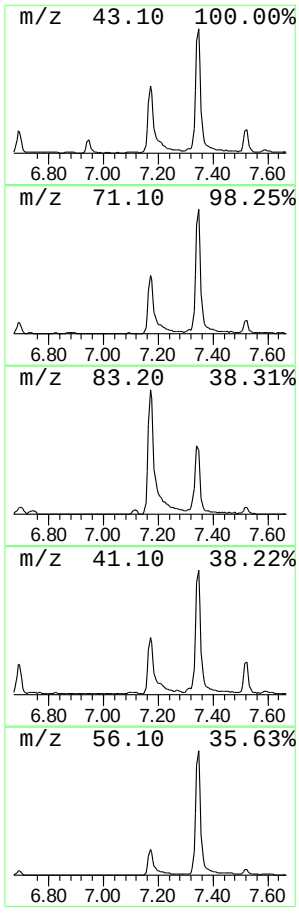
****

Peak Number 4 Butanoic acid, butyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.170	9.14 ug/ml	1098080	Naphthalene-d8	5.940

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	47
2	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	47
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	38
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	37
5	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	37





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13721.D
Acq On : 9 Oct 2009 3:58 am
Operator : sheilac
Sample : t39187-5
Misc : op13205,Ej630,1000,,,1,1,water
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
3-Hexene, 2,2,5...	4.020	7.7	ug/ml	690973	1	4.726	3569080	40.0
Pentane, 2,3,4-...	4.239	5.1	ug/ml	451195	1	4.726	3569080	40.0
Oxazole, 4,5-di...	4.255	6.6	ug/ml	586283	1	4.726	3569080	40.0
Butanoic acid, ...	7.170	9.1	ug/ml	1098080	2	5.940	4806610	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35523.D Vial: 12
Acq On : 21 Oct 2009 3:54 pm Operator: sheilac
Sample : t39187-1 Inst : TXMSH
Misc : OP13269,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:13 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 10:53:10 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	71622	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	63559	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	35610	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	65426	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	33990	4.00	ppb	0.00
26) Perylene-d12	16.35	264	6313	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	118742	43.56	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 871.20%#			
10) 2-Fluorobiphenyl	8.87	172	1170559	48.79	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 975.80%#			
16) 2,4,6-Tribromophenol	10.40	330	293367	137.56	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1375.60%#			
23) Terphenyl-d14	12.66	244	399643	61.94	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1238.80%#			

Target Compounds

						Qvalue
12) Acenaphthene	9.60	153	2035	0.10	ppb	# 73
18) Phenanthrene	11.11	178	3397m	0.11	ppb	

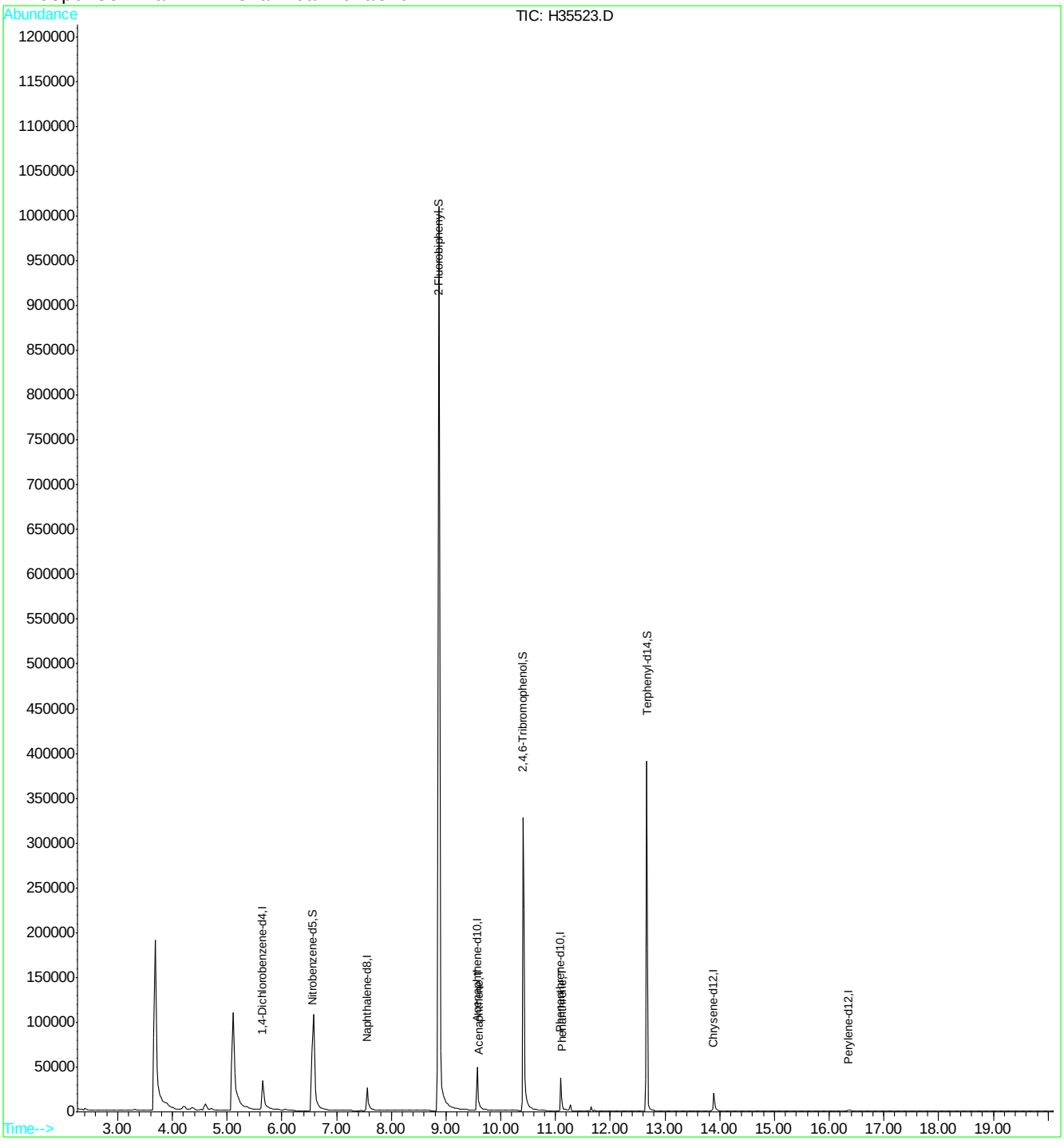
(#) = qualifier out of range (m) = manual integration
H35523.D H10219SP.M Thu Oct 22 12:14:02 2009

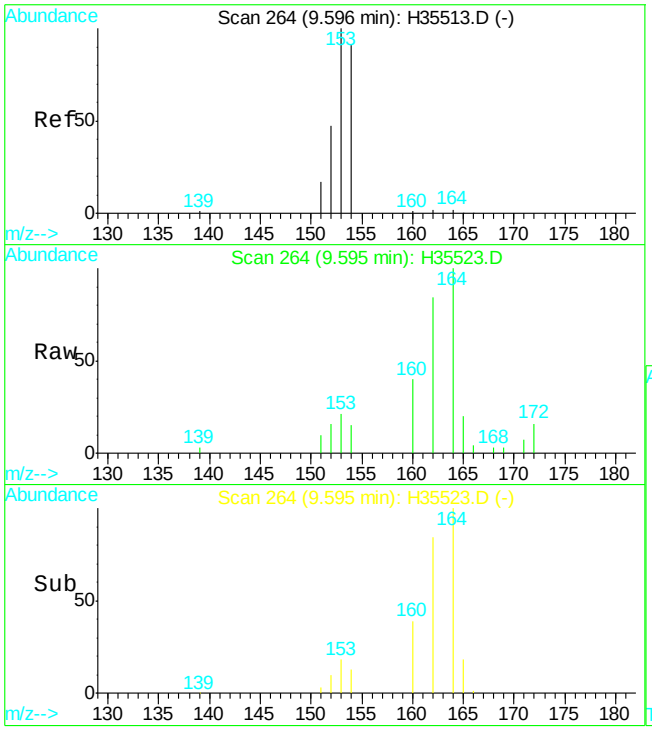
ACCUTEST Laboratories T39187

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35523.D Vial: 12
Acq On : 21 Oct 2009 3:54 pm Operator: sheilac
Sample : t39187-1 Inst : TXMSH
Misc : OP13269,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:13 2009 Quant Results File: H10219SP.RES

Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 10:53:10 2009
Response via : Initial Calibration

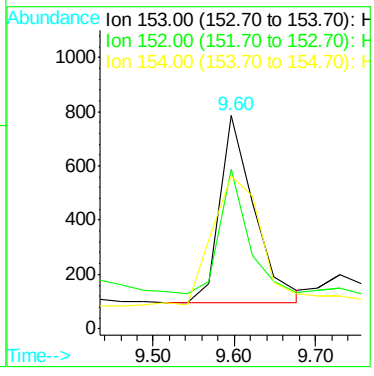


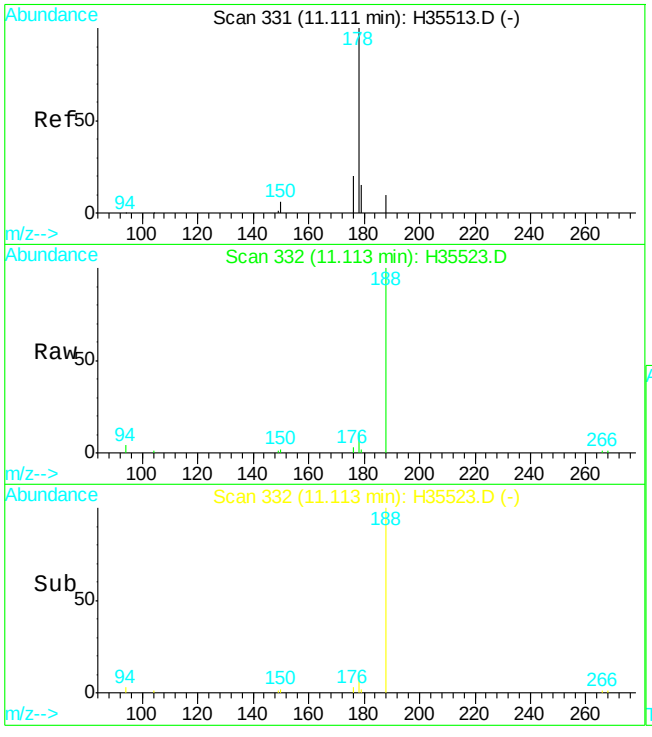


#12
Acenaphthene
Concen: 0.10 ppb
RT: 9.60 min Scan# 264
Delta R.T. -0.00 min
Lab File: H35523.D
Acq: 21 Oct 2009 3:54 pm

Tgt Ion:153 Resp: 2035

Ion	Ratio	Lower	Upper
153	100		
152	68.1	33.0	61.4#
154	67.3	63.6	118.2

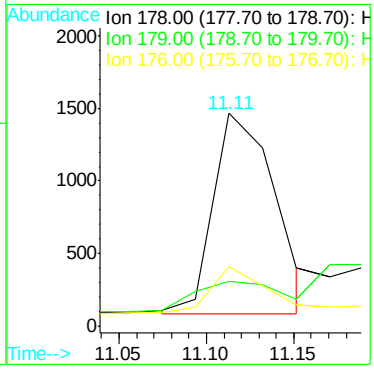




#18
Phenanthrene
Concen: 0.11 ppb m
RT: 11.11 min Scan# 332
Delta R.T. 0.00 min
Lab File: H35523.D
Acq: 21 Oct 2009 3:54 pm

Tgt Ion:178 Resp: 3397

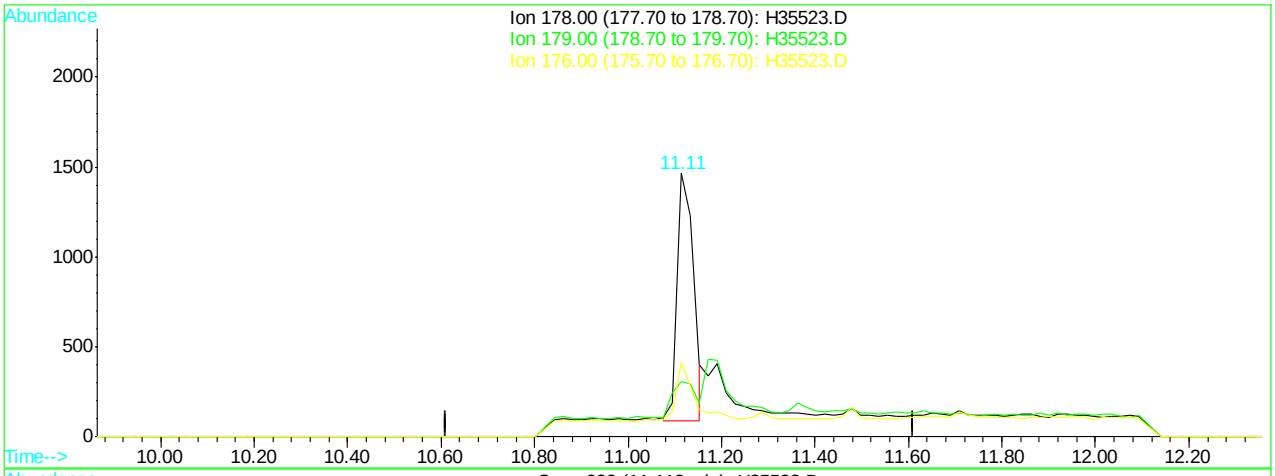
Ion	Ratio	Lower	Upper
178	100		
179	21.1	10.4	19.2#
176	27.9	14.0	26.0#

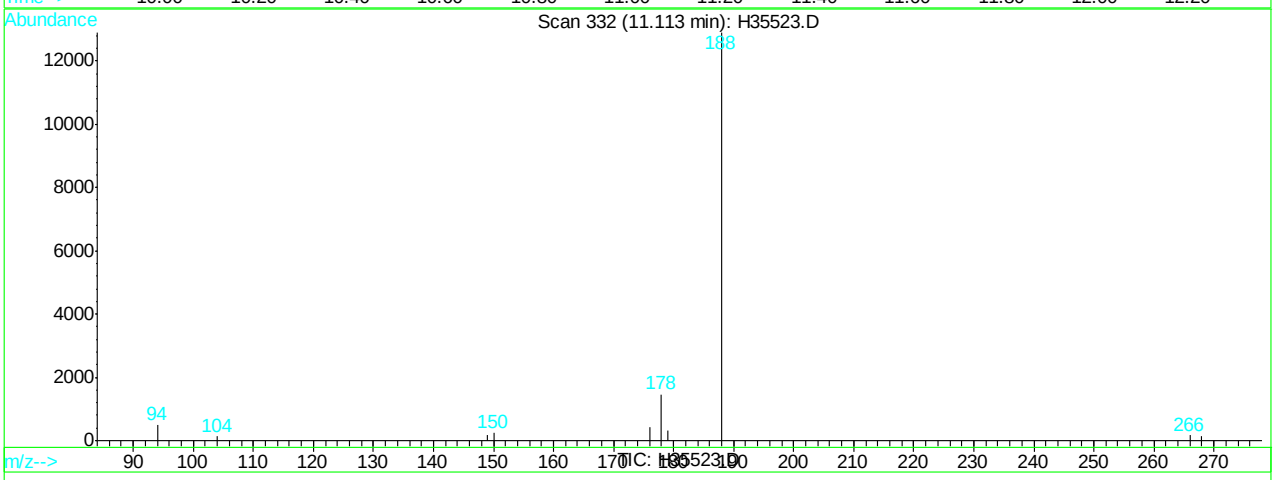


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35523.D Vial: 12
Acq On : 21 Oct 2009 3:54 pm Operator: sheilac
Sample : t39187-1 Inst : TXMSH
Misc : OP13269,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 22 12:13 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 10:53:10 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.11ppb m

response 3397

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	21.09#
176.00	20.00	27.92#
0.00	0.00	0.00

H35523.D H10219SP.M Thu Oct 22 12:14:17 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35502.D Vial: 20
Acq On : 20 Oct 2009 7:07 pm Operator: sheilac
Sample : t39187-2 Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:03 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 12:02:20 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	91272	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	73446	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	71259	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	83663	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	63416	4.00	ppb	0.00
26) Perylene-d12	16.33	264	13678	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	217051	36.43	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 728.60%#			
10) 2-Fluorobiphenyl	8.87	172	2023840	47.04	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 940.80%#			
16) 2,4,6-Tribromophenol	10.40	330	348001	80.24	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 802.40%#			
23) Terphenyl-d14	12.66	244	434429	44.28	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 885.60%#			

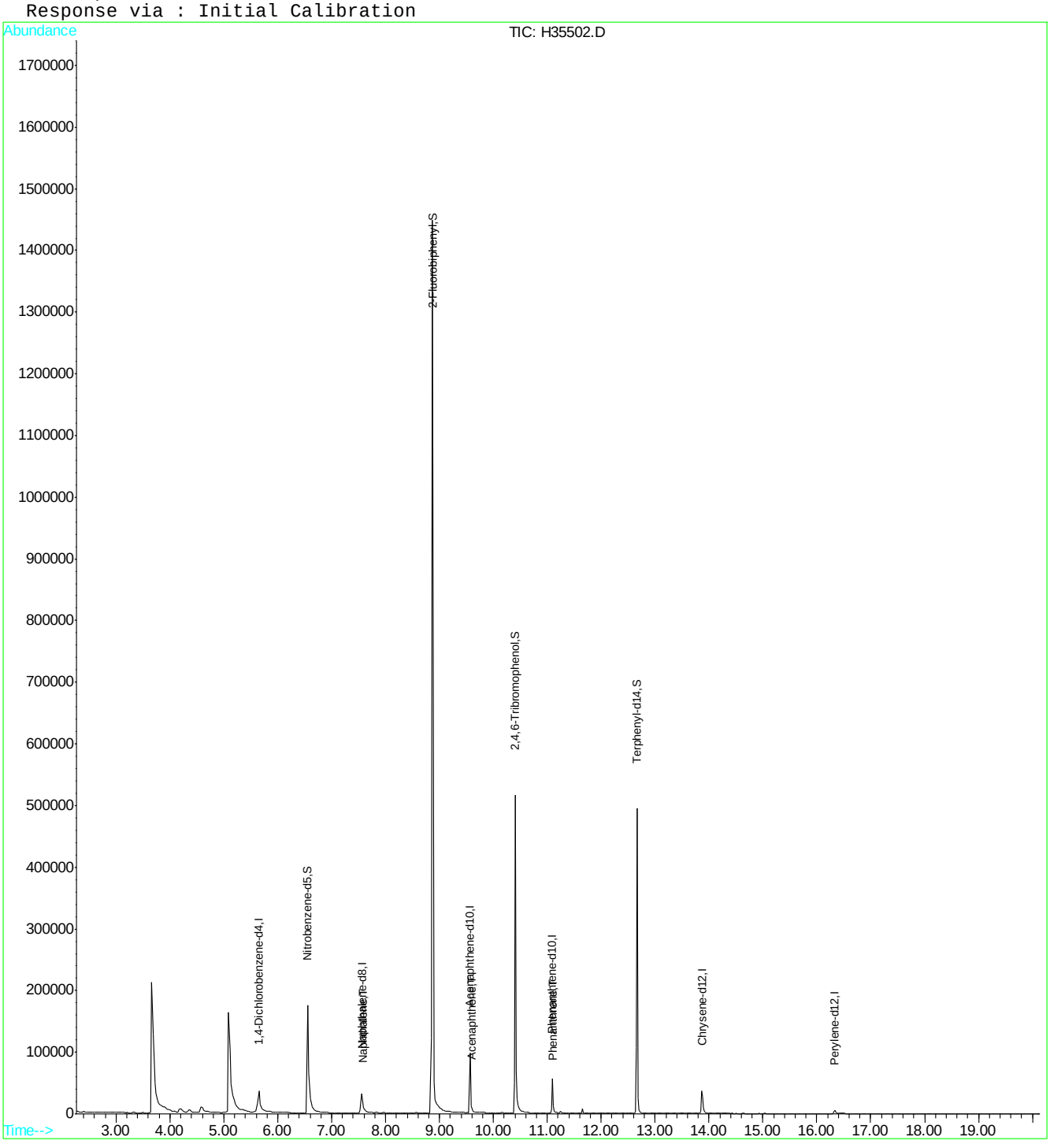
Target Compounds						Qvalue
6) Naphthalene	7.59	128	2436	0.08	ppb #	82
12) Acenaphthene	9.60	153	3451	0.08	ppb	79
18) Phenanthrene	11.11	178	2970m	0.07	ppb	

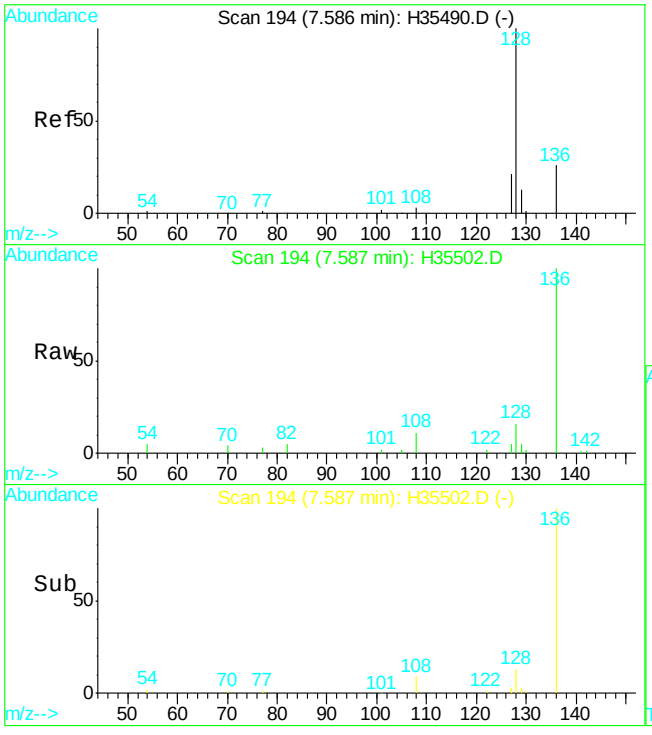
(#) = qualifier out of range (m) = manual integration
H35502.D H10209SP.M Wed Oct 21 12:04:07 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35502.D Vial: 20
Acq On : 20 Oct 2009 7:07 pm Operator: sheilac
Sample : t39187-2 Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:03 2009 Quant Results File: H10209SP.RES

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 12:02:20 2009
Response via : Initial Calibration

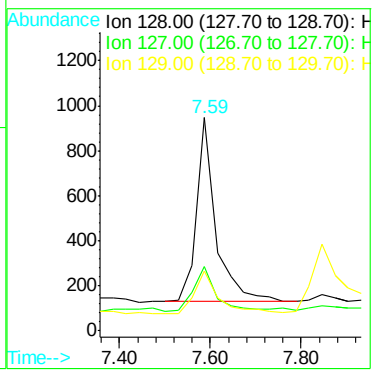


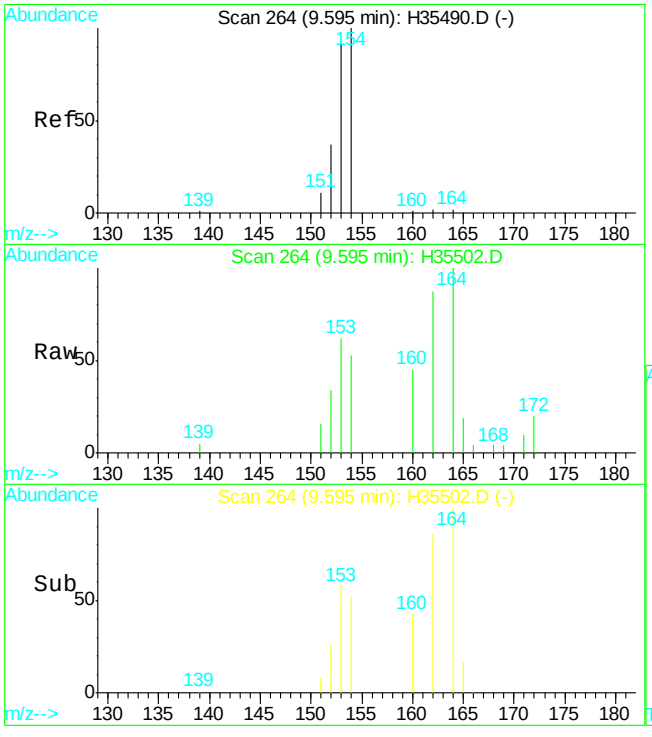


#6
Naphthalene
Concen: 0.08 ppb
RT: 7.59 min Scan# 194
Delta R.T. 0.00 min
Lab File: H35502.D
Acq: 20 Oct 2009 7:07 pm

Tgt Ion:128 Resp: 2436

Ion	Ratio	Lower	Upper
128	100		
127	24.0	12.7	23.5#
129	22.7	8.9	16.5#

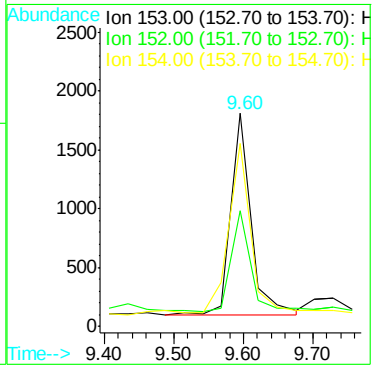


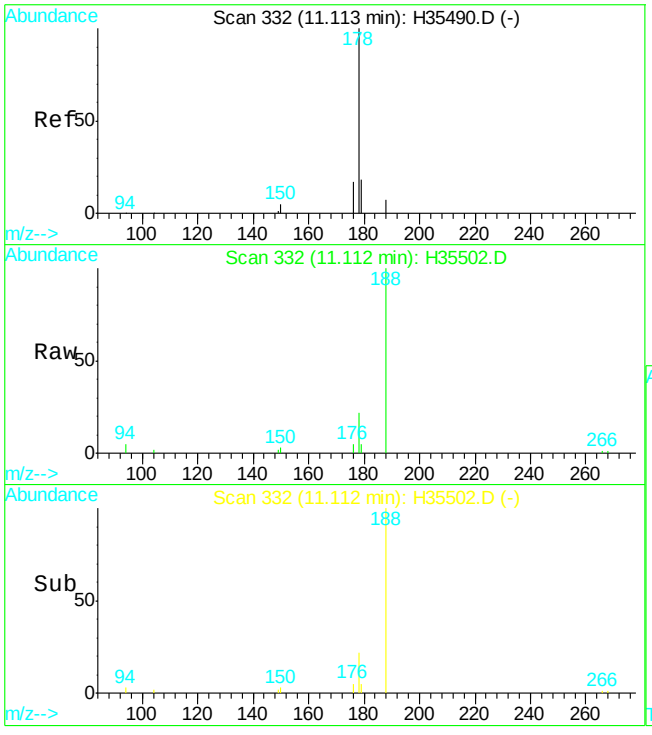


#12
Acenaphthene
Concen: 0.08 ppb
RT: 9.60 min Scan# 264
Delta R.T. -0.00 min
Lab File: H35502.D
Acq: 20 Oct 2009 7:07 pm

Tgt Ion:153 Resp: 3451

Ion	Ratio	Lower	Upper
153	100		
152	49.4	28.3	52.7
154	84.2	76.0	141.2

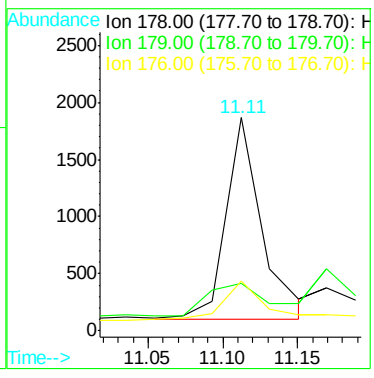




#18
Phenanthrene
Concen: 0.07 ppb m
RT: 11.11 min Scan# 332
Delta R.T. -0.00 min
Lab File: H35502.D
Acq: 20 Oct 2009 7:07 pm

Tgt Ion:178 Resp: 2970

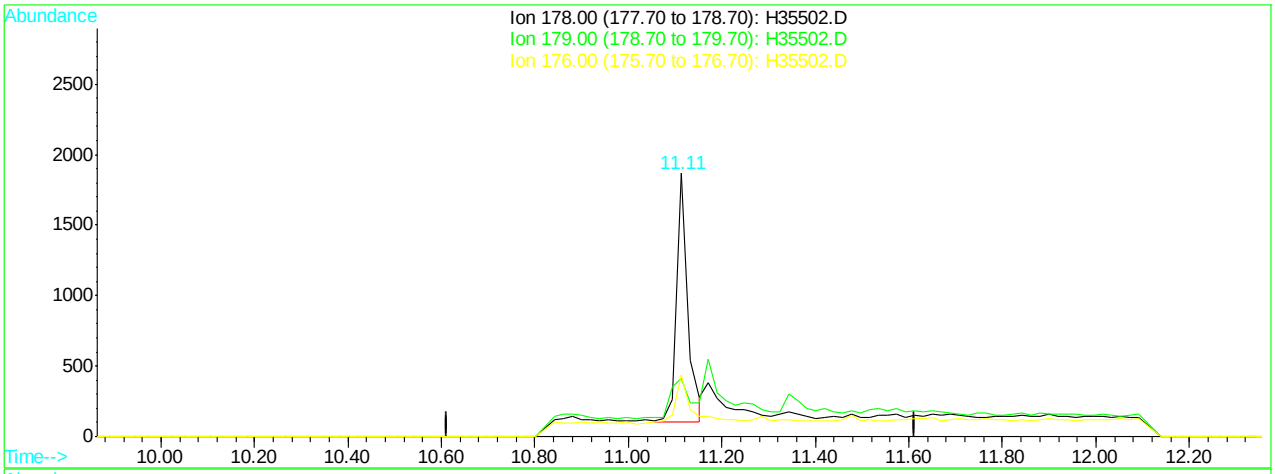
Ion	Ratio	Lower	Upper
178	100		
179	22.2	12.5	23.1
176	23.2	12.0	22.2#

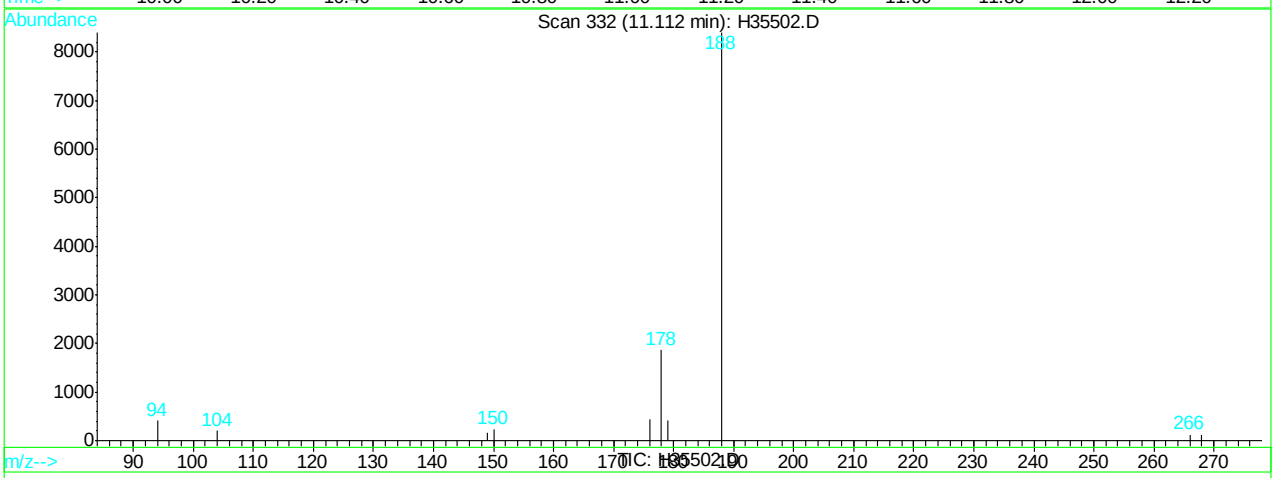


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35502.D Vial: 20
Acq On : 20 Oct 2009 7:07 pm Operator: sheilac
Sample : t39187-2 Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:03 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 12:02:20 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.07ppb m

response 2970

Ion	Exp%	Act%
178.00	100	100
179.00	17.80	22.16
176.00	17.10	23.23#
0.00	0.00	0.00

H35502.D H10209SP.M Wed Oct 21 12:04:15 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	86061	4.00	ppb	0.00
4) Naphthalene-d8	7.57	136	144022	4.00	ppb	-0.03
9) Acenaphthene-d10	9.60	164	54265	4.00	ppb	0.03
15) Phenanthrene-d10	11.11	188	41302	4.00	ppb	0.02
21) Chrysene-d12	13.89	240	6439	4.00	ppb	-0.02
26) Perylene-d12	16.37	264	3852	4.00	ppb	-0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.59	82	264308	42.18	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 843.60%#			
10) 2-Fluorobiphenyl	8.90	172	2260462	55.48	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery = 1109.60%#			
16) 2,4,6-Tribromophenol	10.45	330	224172	188.20	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery = 1882.00%#			
23) Terphenyl-d14	12.66	244	101655	43.93	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 878.60%#			

Target Compounds

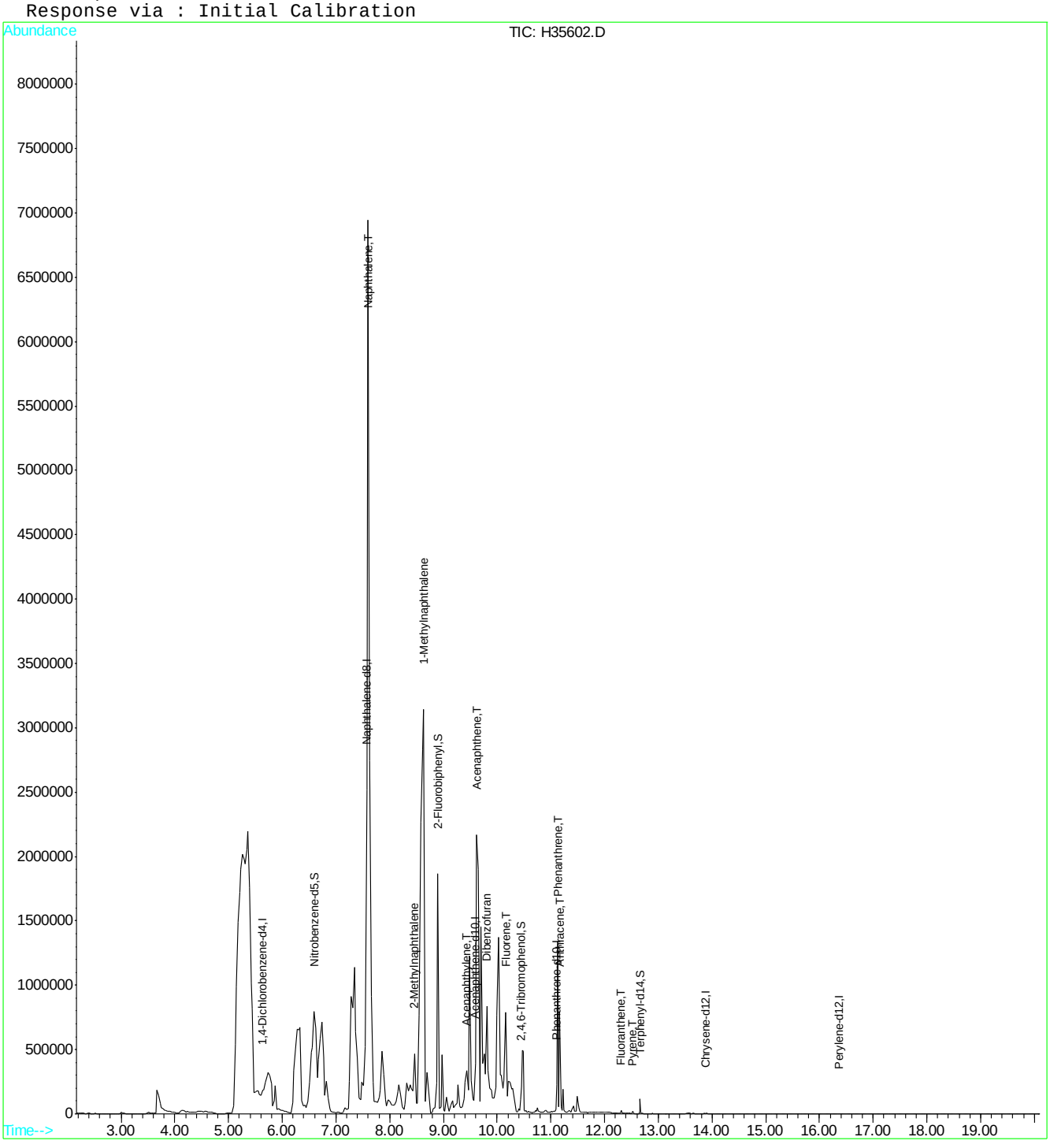
							Qvalue
6) Naphthalene	7.60	128	9198691	190.83	ppb		98
7) 2-Methylnaphthalene	8.46	142	456170	9.68	ppb	#	36
8) 1-Methylnaphthalene	8.64	142	7217342	134.70	ppb	#	33
11) Acenaphthylene	9.43	152	70597m	2.01	ppb		
12) Acenaphthene	9.62	153	2292364	75.71	ppb	#	75
13) Dibenzofuran	9.81	168	945850	33.62	ppb	#	73
14) Fluorene	10.16	166	408808	28.47	ppb	#	47
18) Phenanthrene	11.13	178	1277804m	70.84	ppb		
19) Anthracene	11.17	178	279137m	13.34	ppb		
20) Fluoranthene	12.31	202	22533m	2.46	ppb		
22) Pyrene	12.53	202	16883	1.60	ppb		97

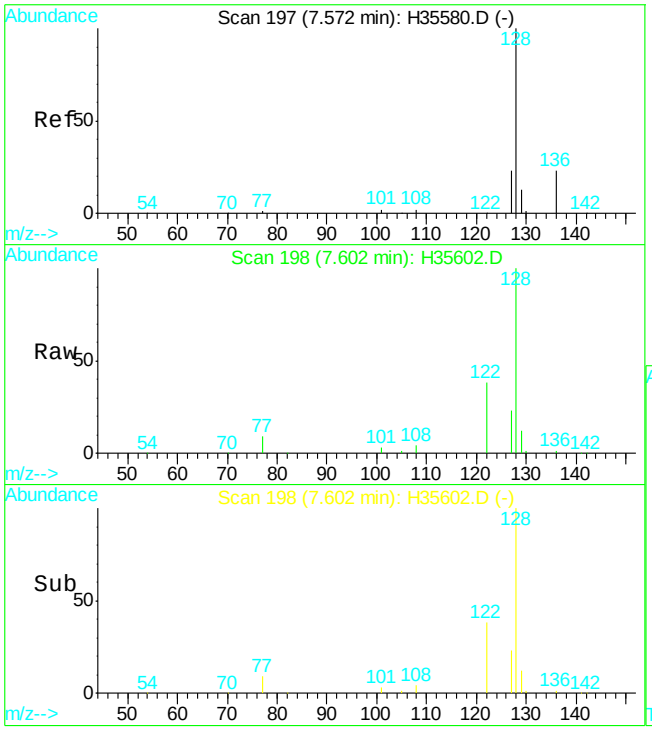
(#) = qualifier out of range (m) = manual integration
H35602.D H10239SP.M Mon Oct 26 15:15:47 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: H10239SP.RES

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Initial Calibration

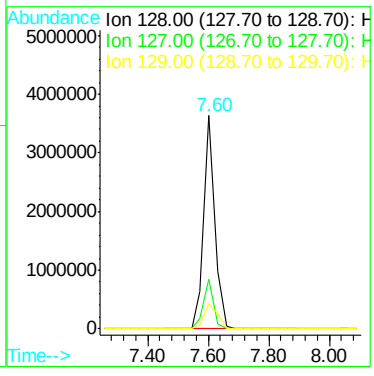


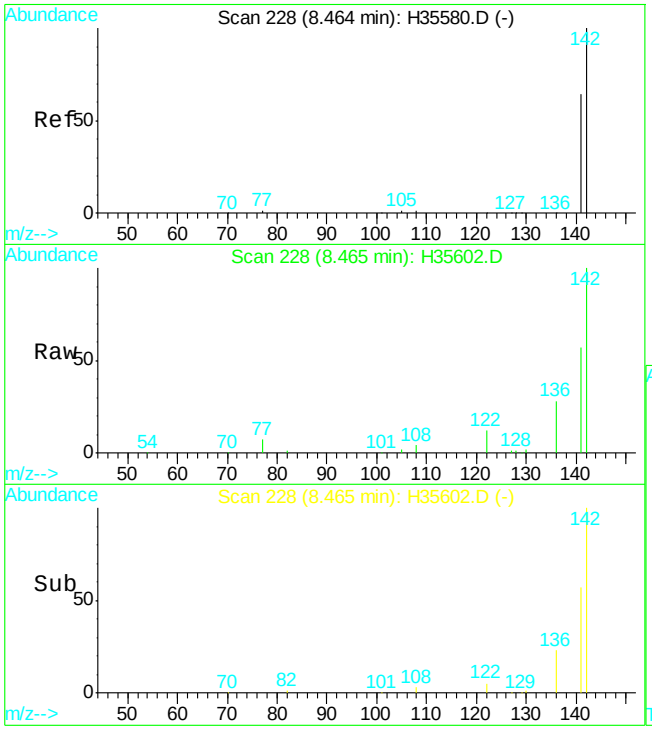


#6
Naphthalene
Concen: 190.83 ppb
RT: 7.60 min Scan# 198
Delta R.T. -0.03 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:128 Resp: 9198691

Ion	Ratio	Lower	Upper
128	100		
127	23.2	15.3	28.5
129	11.8	8.5	15.9

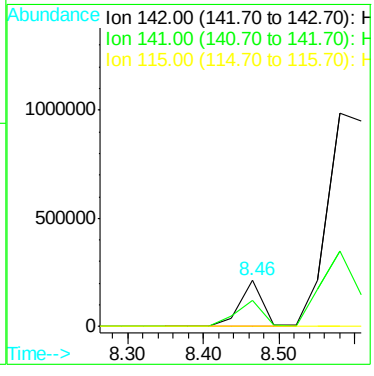


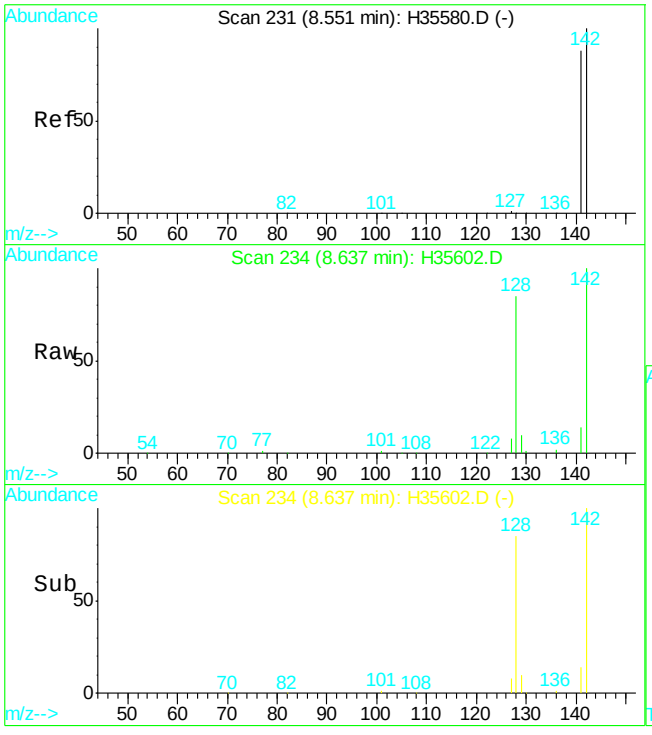


#7
2-Methylnaphthalene
Concen: 9.68 ppb
RT: 8.46 min Scan# 228
Delta R.T. -0.06 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:142 Resp: 456170

Ion	Ratio	Lower	Upper
142	100		
141	67.8	104.0	193.1#
115	0.0	0.0	0.0

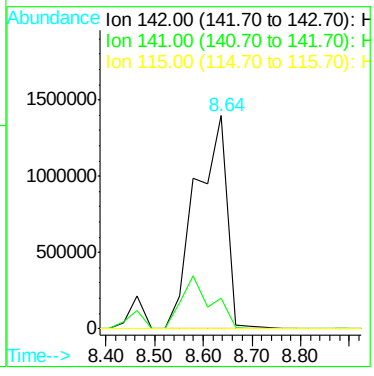


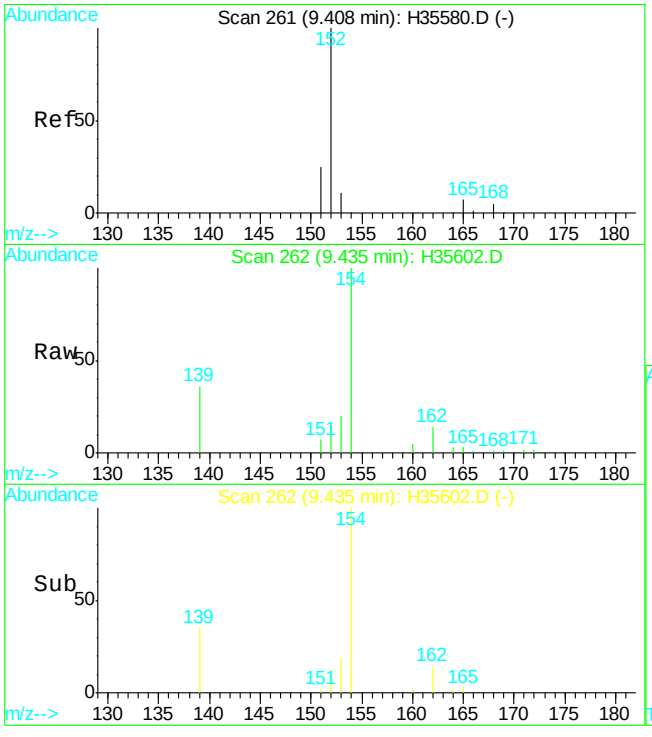


#8
1-Methylnaphthalene
Concen: 134.70 ppb
RT: 8.64 min Scan# 234
Delta R.T. 0.02 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:142 Resp: 7217342

Ion	Ratio	Lower	Upper
142	100		
141	24.4	60.5	112.5#
115	0.0	0.0	0.0

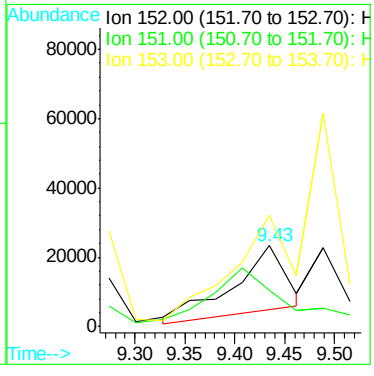


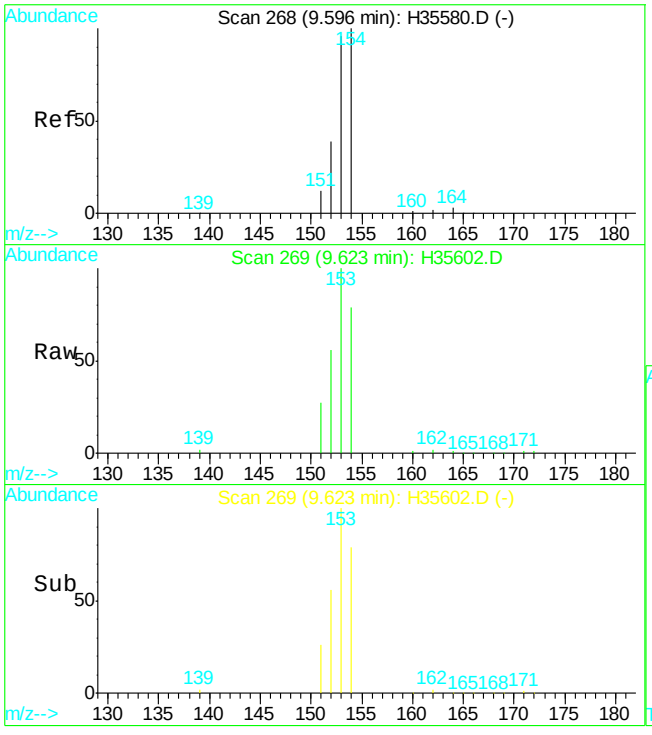


#11
Acenaphthylene
Concen: 2.01 ppb m
RT: 9.43 min Scan# 262
Delta R.T. 0.03 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:152 Resp: 70597

Ion	Ratio	Lower	Upper
152	100		
151	45.1	17.8	33.0#
153	137.7	7.4	13.8#

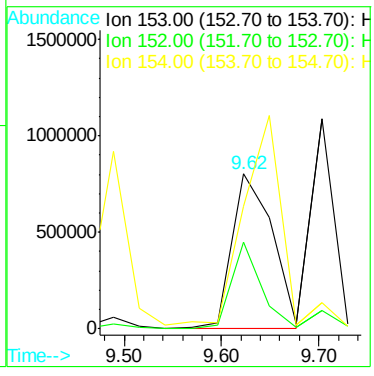


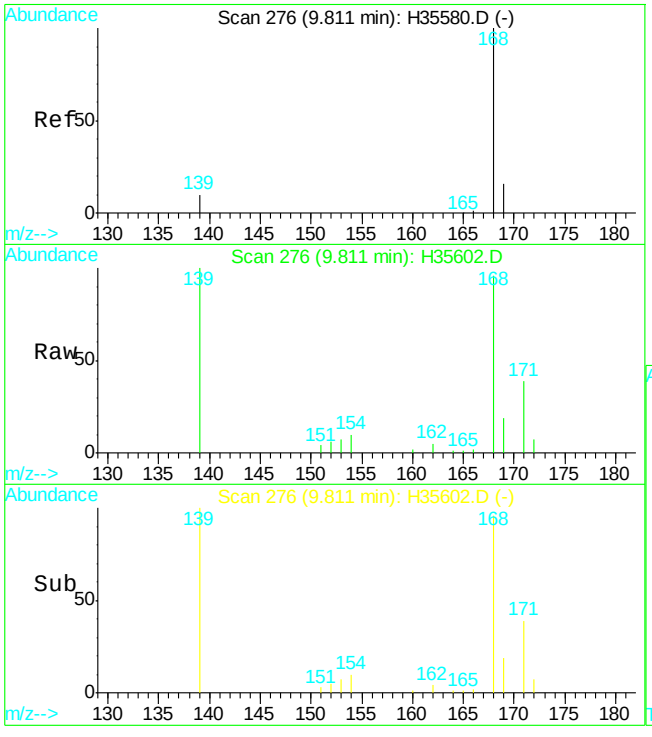


#12
Acenaphthene
Concen: 75.71 ppb
RT: 9.62 min Scan# 269
Delta R.T. 0.03 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:153 Resp: 2292364

Ion	Ratio	Lower	Upper
153	100		
152	56.1	28.7	53.3#
154	78.4	72.9	135.5

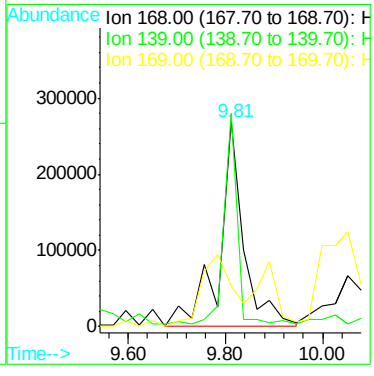


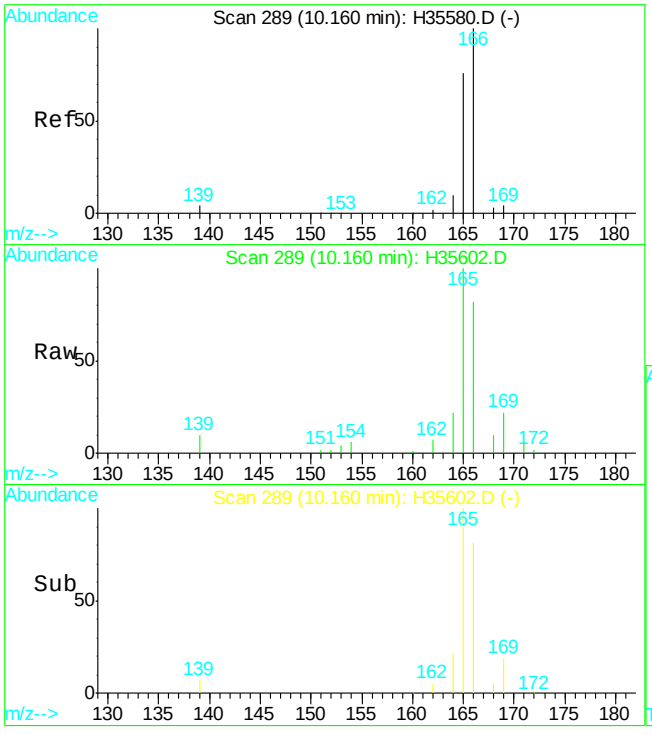


#13
Dibenzofuran
Concen: 33.62 ppb
RT: 9.81 min Scan# 276
Delta R.T. 0.00 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:168 Resp: 945850

Ion	Ratio	Lower	Upper
168	100		
139	55.7	33.7	62.5
169	47.2	9.8	18.2#

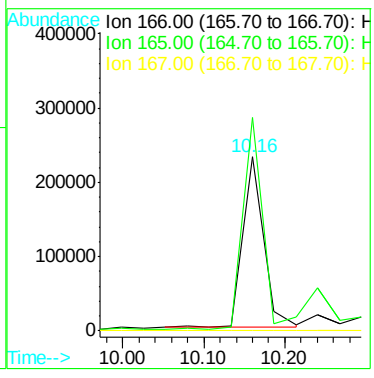


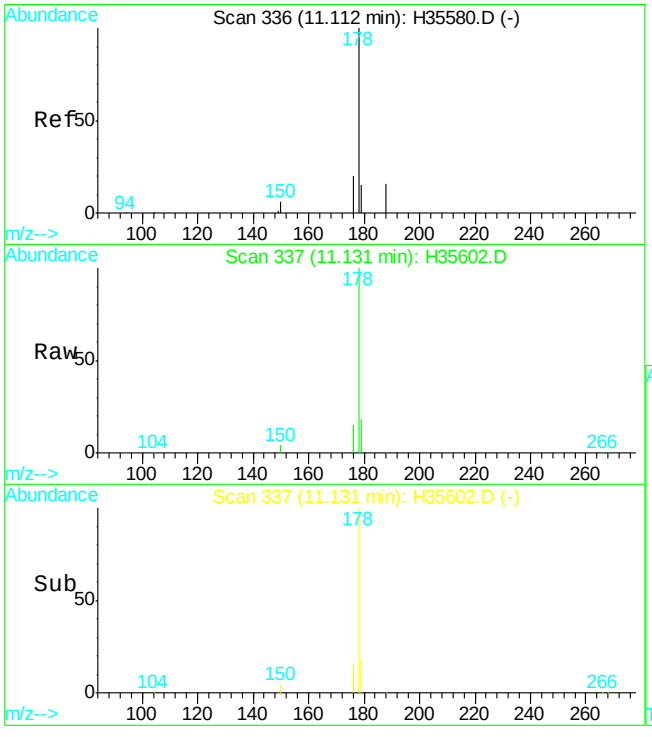


#14
Fluorene
Concen: 28.47 ppb
RT: 10.16 min Scan# 289
Delta R.T. 0.00 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:166 Resp: 408808

Ion	Ratio	Lower	Upper
166	100		
165	121.6	53.1	98.7#
167	0.0	0.0	0.0

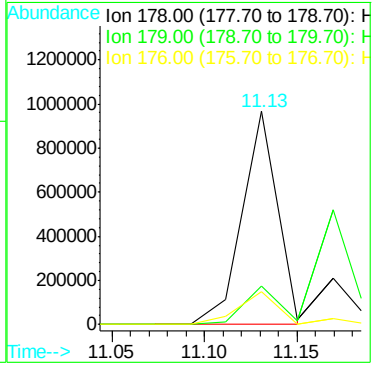


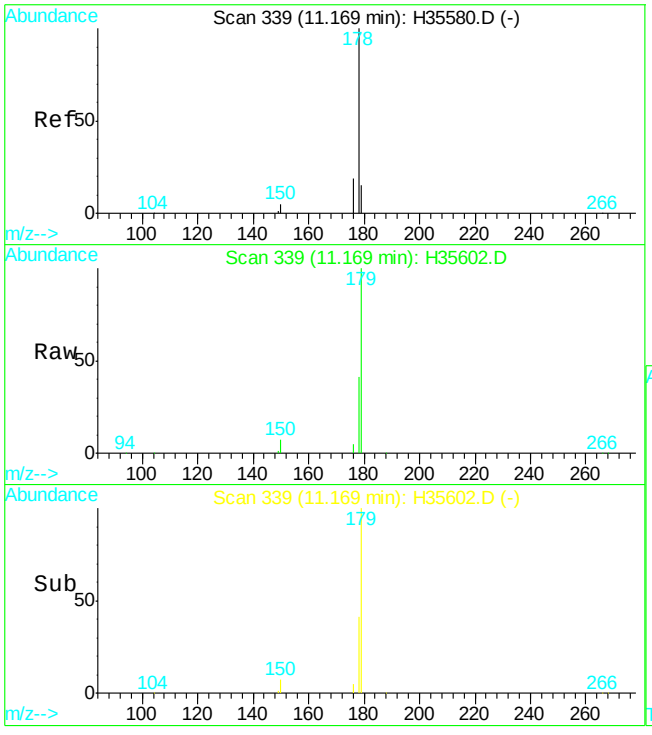


#18
Phenanthrene
Concen: 70.84 ppb m
RT: 11.13 min Scan# 337
Delta R.T. 0.02 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:178 Resp: 1277804

Ion	Ratio	Lower	Upper
178	100		
179	18.0	10.6	19.6
176	15.4	13.7	25.5

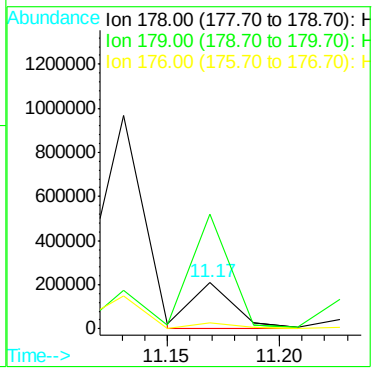


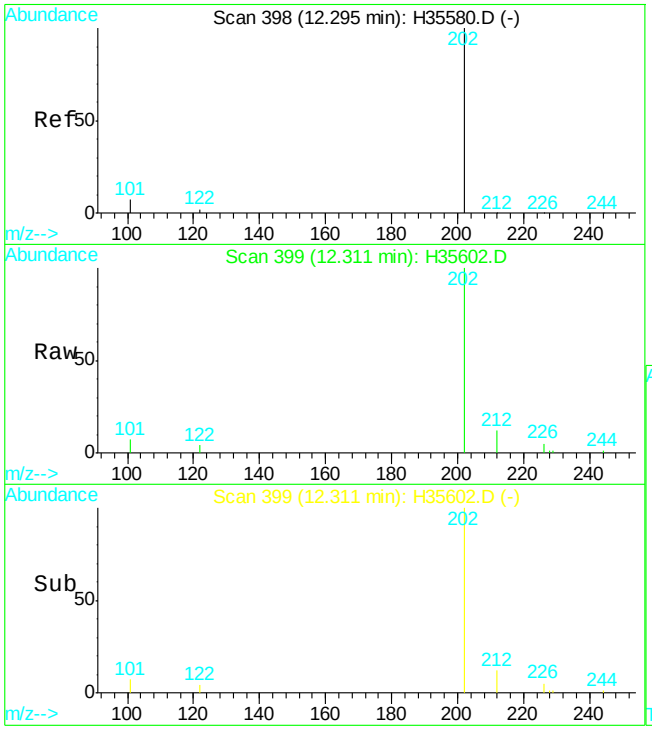


#19
Anthracene
Concen: 13.34 ppb m
RT: 11.17 min Scan# 339
Delta R.T. -0.00 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:178 Resp: 279137

Ion	Ratio	Lower	Upper
178	100		
179	246.0	10.6	19.6#
176	12.2	13.3	24.7#

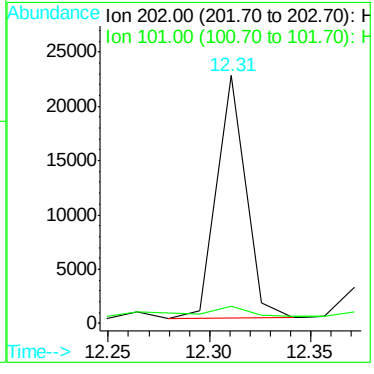


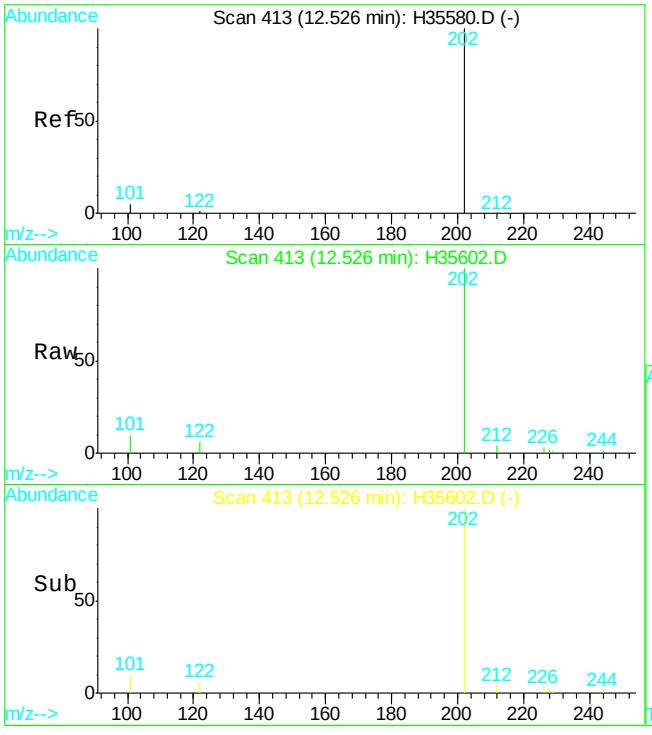


#20
Fluoranthene
Concen: 2.46 ppb m
RT: 12.31 min Scan# 399
Delta R.T. 0.02 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:202 Resp: 22533

Ion	Ratio	Lower	Upper
202	100		
101	7.0	4.6	8.6

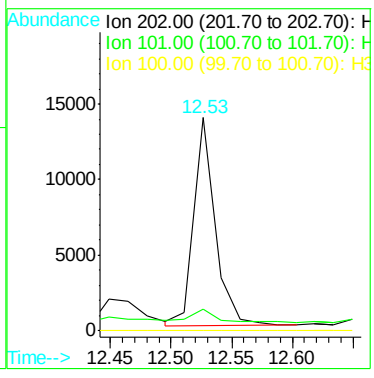




#22
Pyrene
Concen: 1.60 ppb
RT: 12.53 min Scan# 413
Delta R.T. 0.00 min
Lab File: H35602.D
Acq: 23 Oct 2009 9:42 pm

Tgt Ion:202 Resp: 16883

Ion	Ratio	Lower	Upper
202	100		
101	5.9	3.5	6.5
100	0.0	0.0	0.0



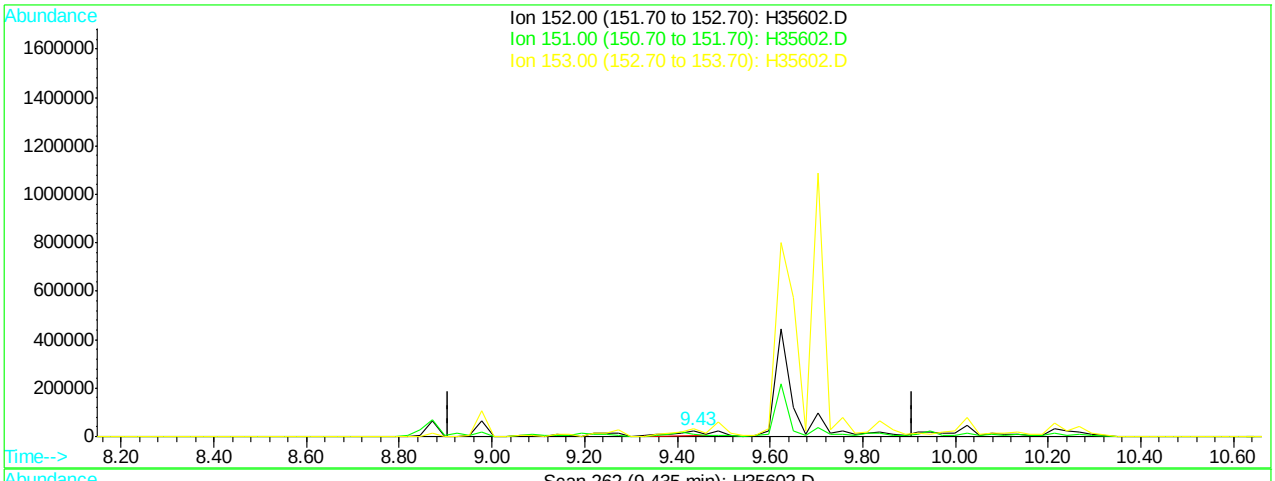
8.1.16

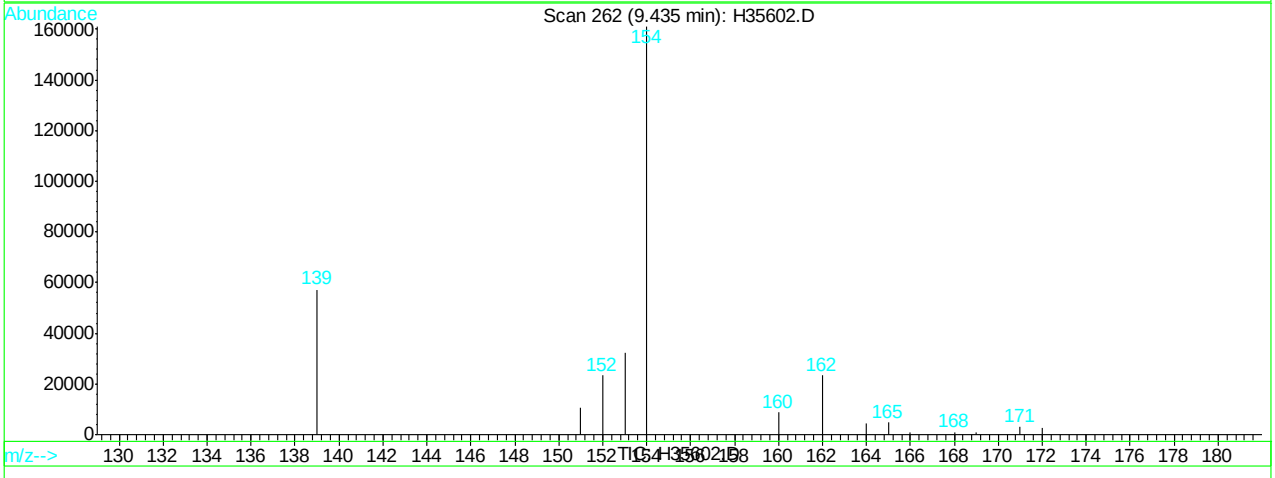
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.43min 2.01ppb m

response 70597

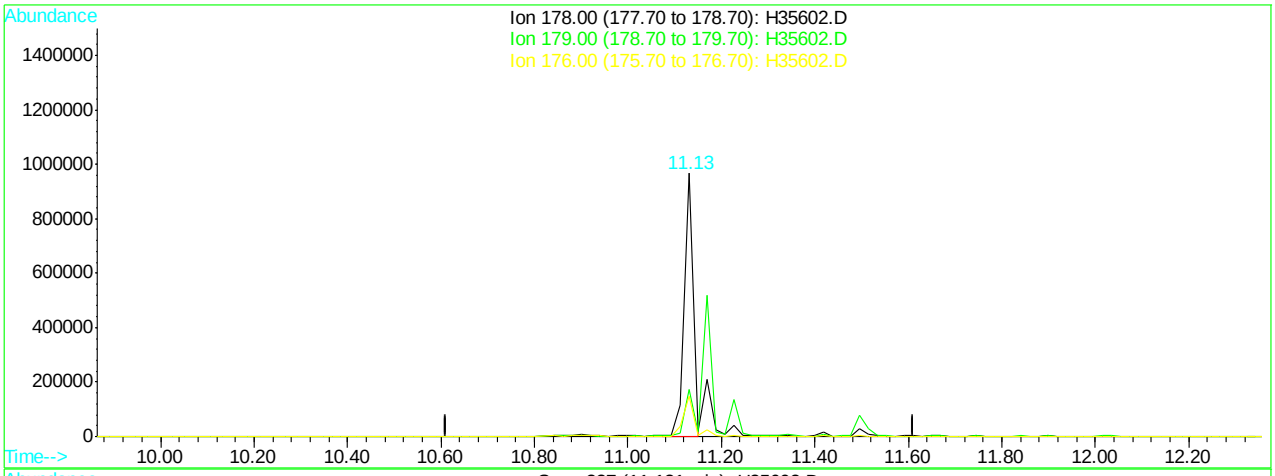
Ion	Exp%	Act%
152.00	100	100
151.00	25.40	45.10#
153.00	10.60	137.66#
0.00	0.00	0.00

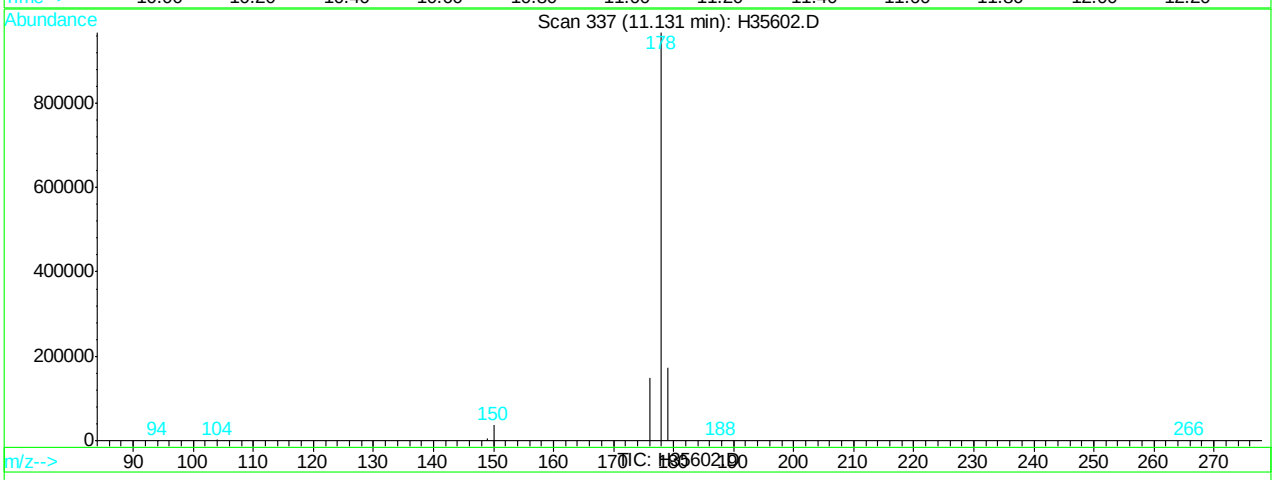
H35602.D H10239SP.M Mon Oct 26 15:16:00 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.13min 70.84ppb m

response 1277804

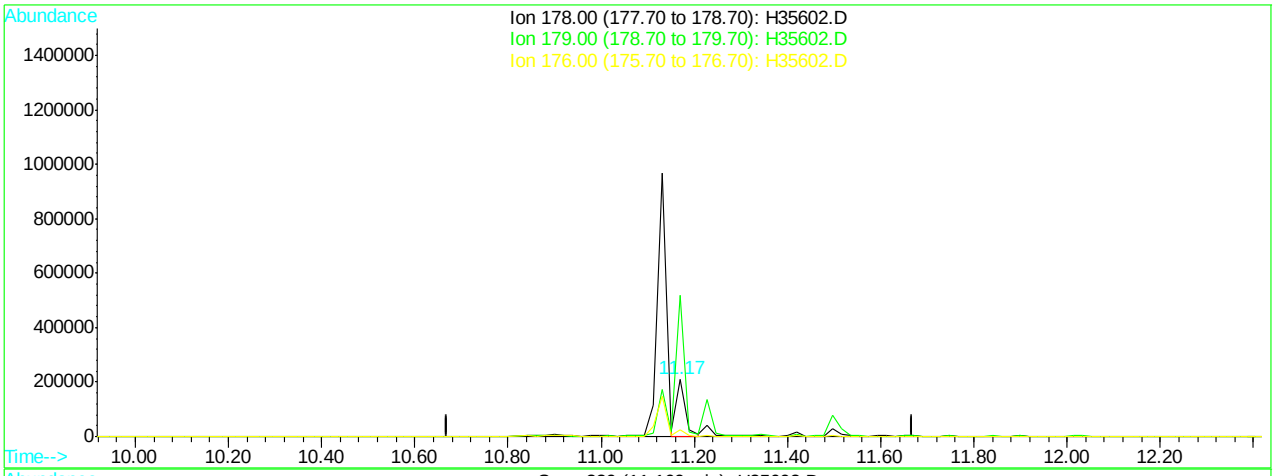
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	18.00
176.00	19.60	15.44
0.00	0.00	0.00

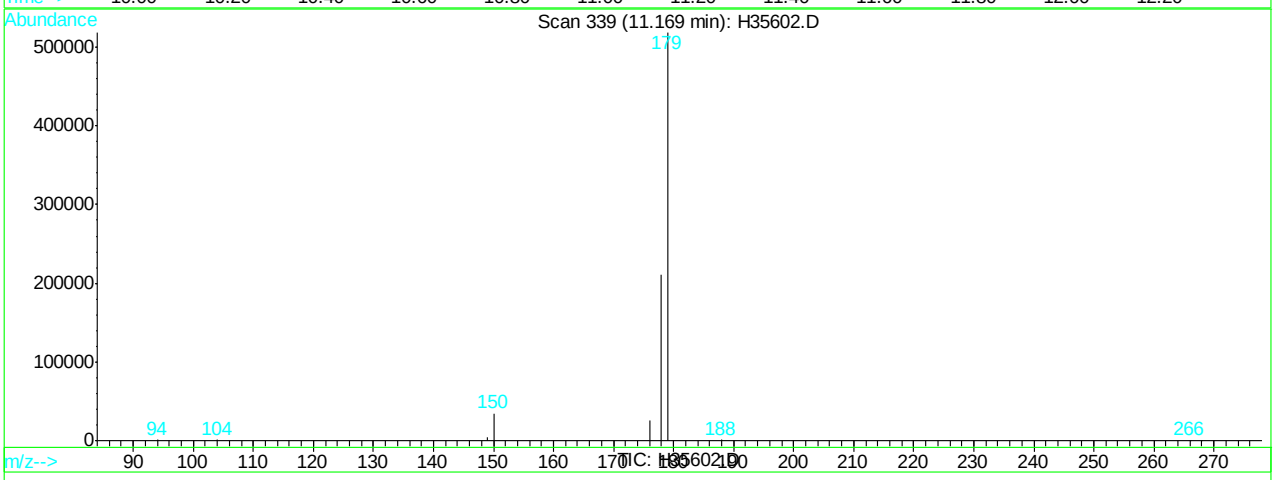
H35602.D H10239SP.M Mon Oct 26 15:16:05 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 13.34ppb m

response 279137

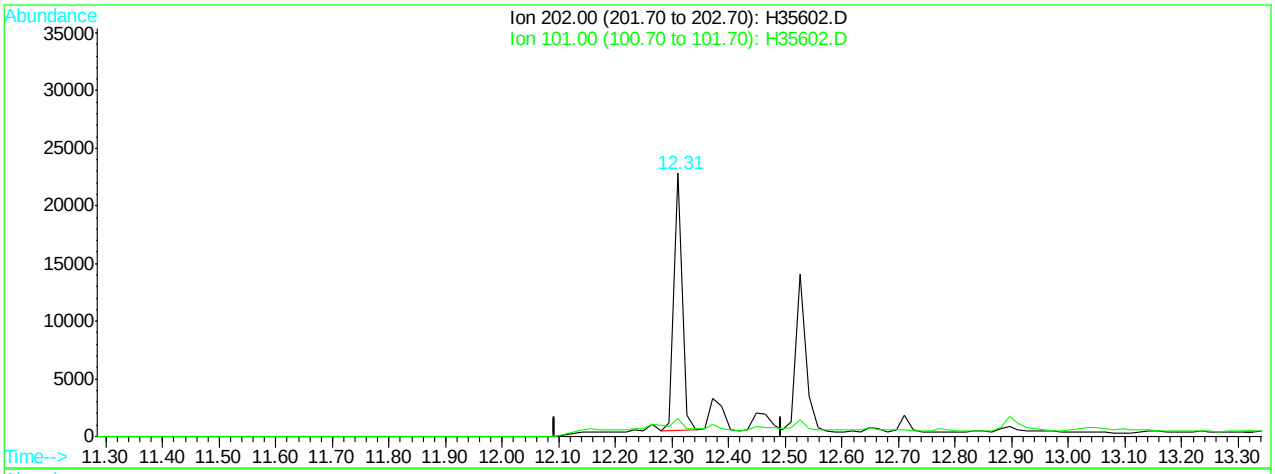
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	246.04#
176.00	19.00	12.25#
0.00	0.00	0.00

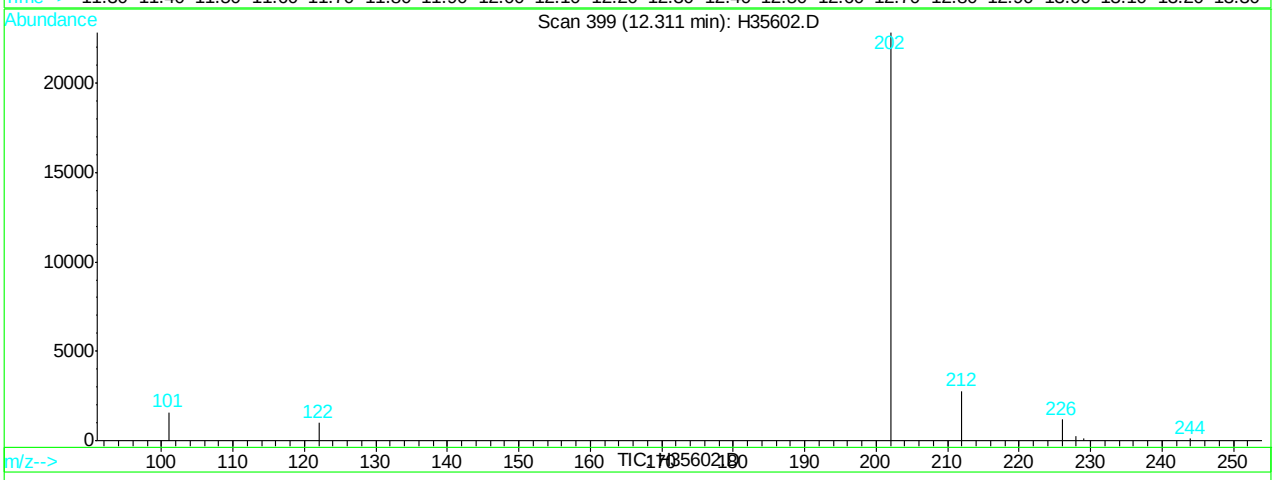
H35602.D H10239SP.M Mon Oct 26 15:16:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35602.D Vial: 24
Acq On : 23 Oct 2009 9:42 pm Operator: sheilac
Sample : t39187-3 Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:07 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:04:02 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.31min 2.46ppb m

response 22533

Ion	Exp%	Act%
202.00	100	100
101.00	6.60	7.00
0.00	0.00	0.00
0.00	0.00	0.00

H35602.D H10239SP.M Mon Oct 26 15:16:14 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	73468	4.00	ppb	0.00
4) Naphthalene-d8	7.60	136	97389	4.00	ppb	0.00
9) Acenaphthene-d10	9.60	164	46390	4.00	ppb	0.03
15) Phenanthrene-d10	11.09	188	58193	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	6915	4.00	ppb	0.00
26) Perylene-d12	16.37	264	3557	4.00	ppb	-0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	12985m	4.04	ppb	-0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	80.80%	
10) 2-Fluorobiphenyl	8.87	172	67853	2.99	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	59.80%	
16) 2,4,6-Tribromophenol	10.45	330	22012	13.12	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery	=	131.20%#	
23) Terphenyl-d14	12.66	244	11728	6.56	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	131.20%	

Target Compounds

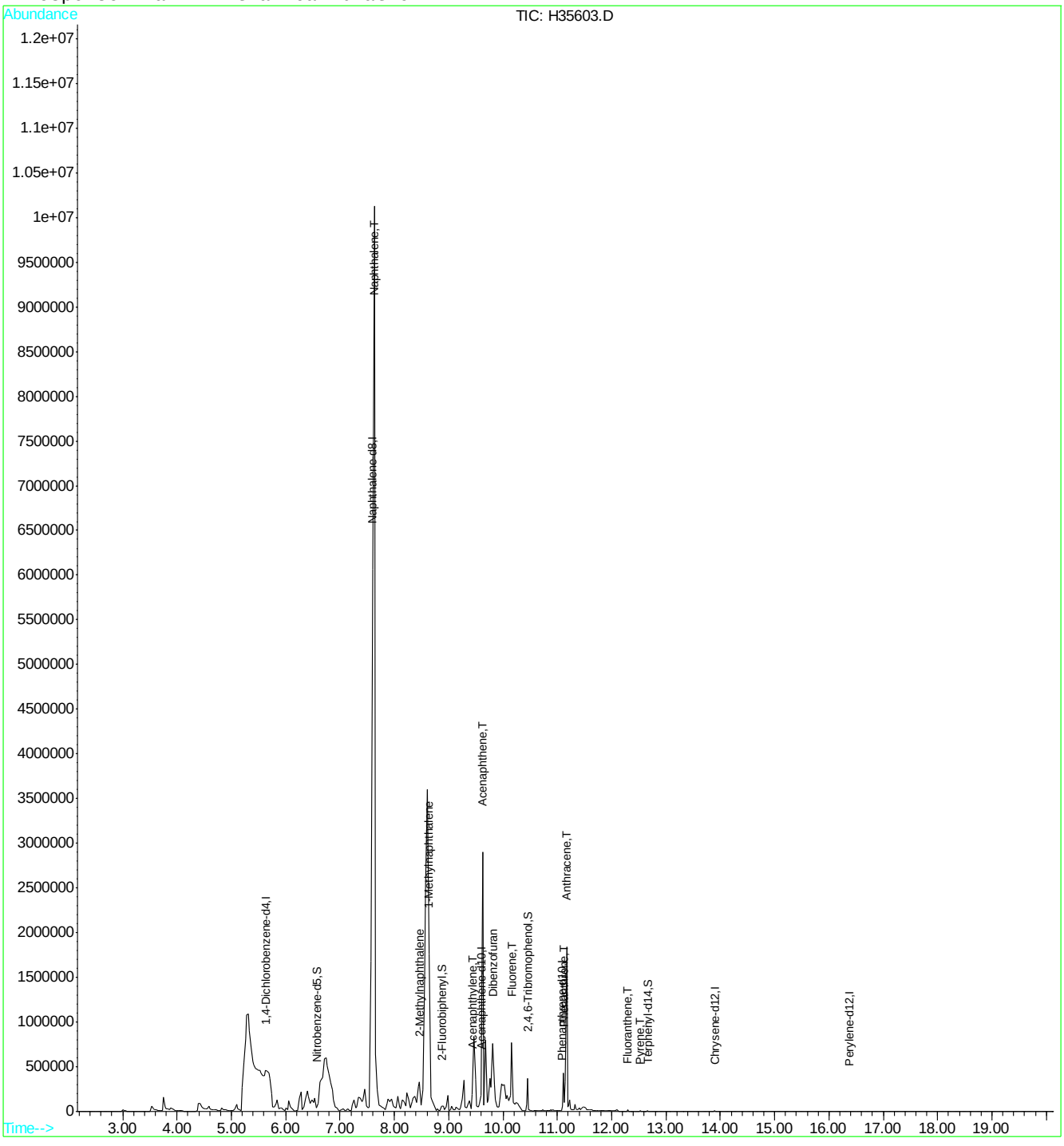
							Qvalue
6) Naphthalene	7.63	128	20603773	632.09	ppb		93
7) 2-Methylnaphthalene	8.46	142	375818m	11.49	ppb		
8) 1-Methylnaphthalene	8.64	142	8307120	229.28	ppb	#	26
11) Acenaphthylene	9.44	152	147411m	4.55	ppb		
12) Acenaphthene	9.62	153	1899345m	73.38	ppb		
13) Dibenzofuran	9.81	168	1227600	51.05	ppb	#	57
14) Fluorene	10.16	166	540856	44.07	ppb		94
18) Phenanthrene	11.11	178	380959	14.99	ppb	#	86
19) Anthracene	11.17	178	584487	19.83	ppb	#	1
20) Fluoranthene	12.29	202	13785m	1.17	ppb		
22) Pyrene	12.52	202	8550m	0.75	ppb		

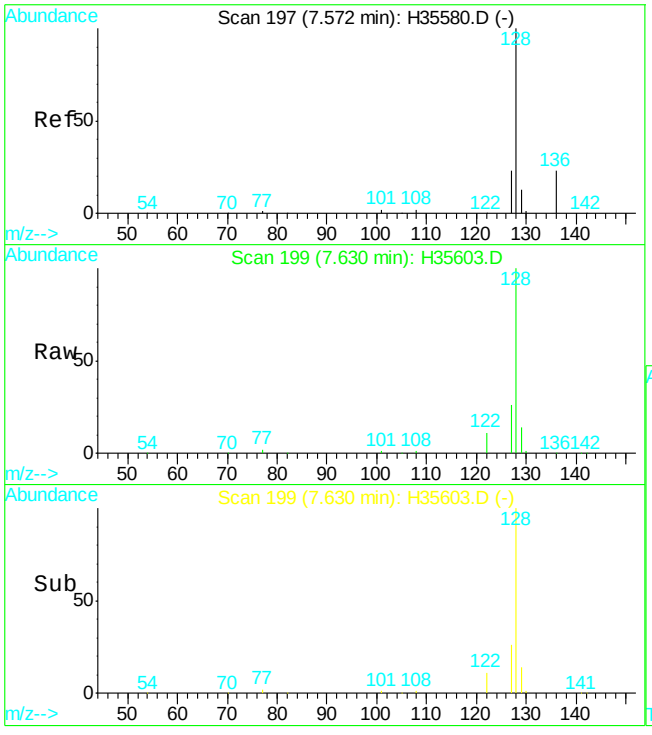
(#) = qualifier out of range (m) = manual integration
H35603.D H10239SP.M Mon Oct 26 15:21:48 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: H10239SP.RES

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

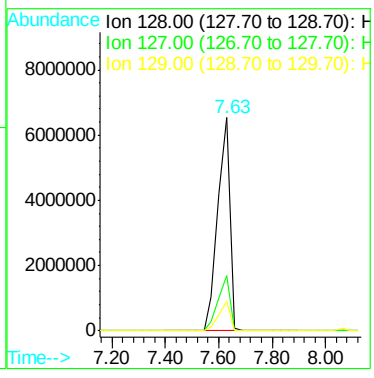


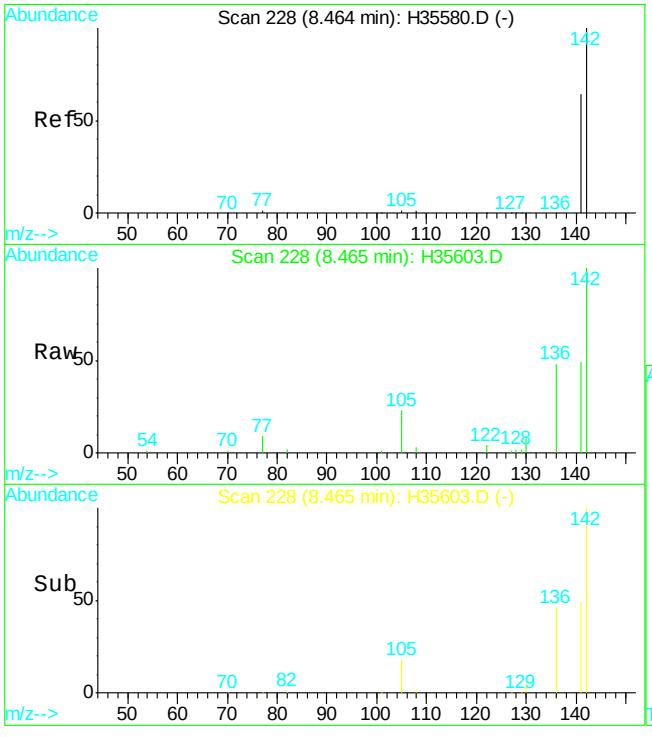


#6
Naphthalene
Concen: 632.09 ppb
RT: 7.63 min Scan# 199
Delta R.T. -0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:128 Resp:20603773

Ion	Ratio	Lower	Upper
128	100		
127	25.7	15.3	28.5
129	13.8	8.5	15.9

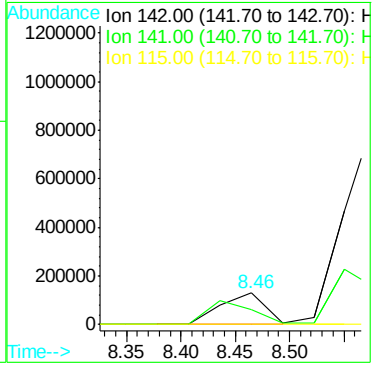


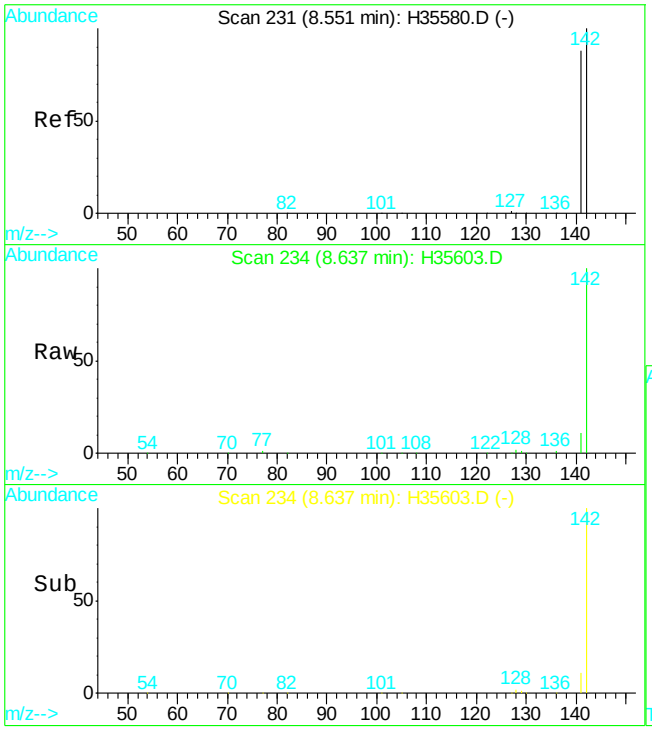


#7
2-Methylnaphthalene
Concen: 11.49 ppb m
RT: 8.46 min Scan# 228
Delta R.T. -0.06 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:142 Resp: 375818

Ion	Ratio	Lower	Upper
142	100		
141	401.2	104.0	193.1#
115	0.0	0.0	0.0

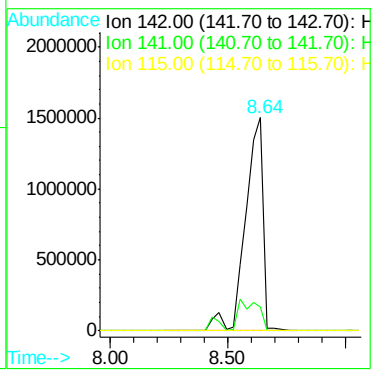


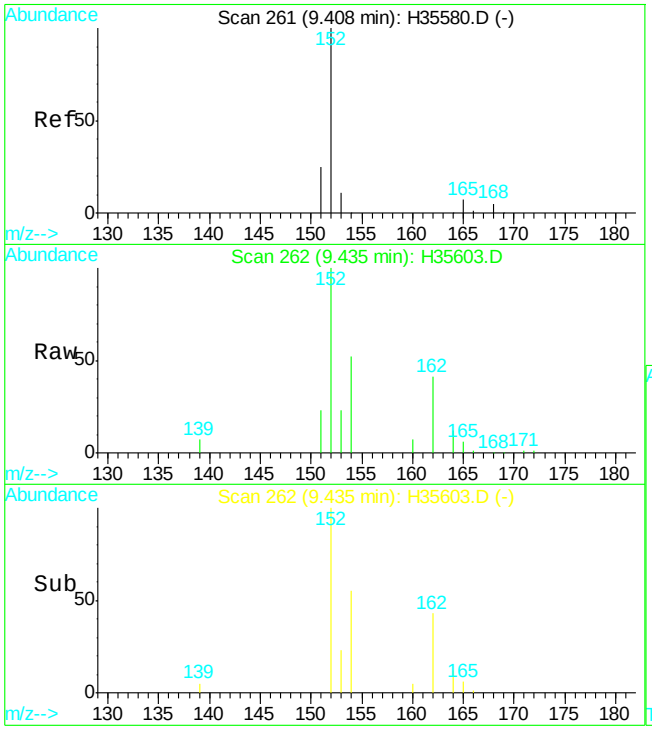


#8
1-Methylnaphthalene
Concen: 229.28 ppb
RT: 8.64 min Scan# 234
Delta R.T. 0.02 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:142 Resp: 8307120

Ion	Ratio	Lower	Upper
142	100		
141	18.2	60.5	112.5#
115	0.0	0.0	0.0

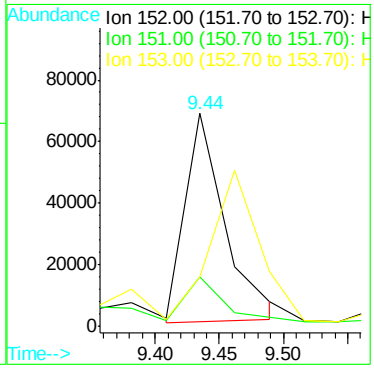


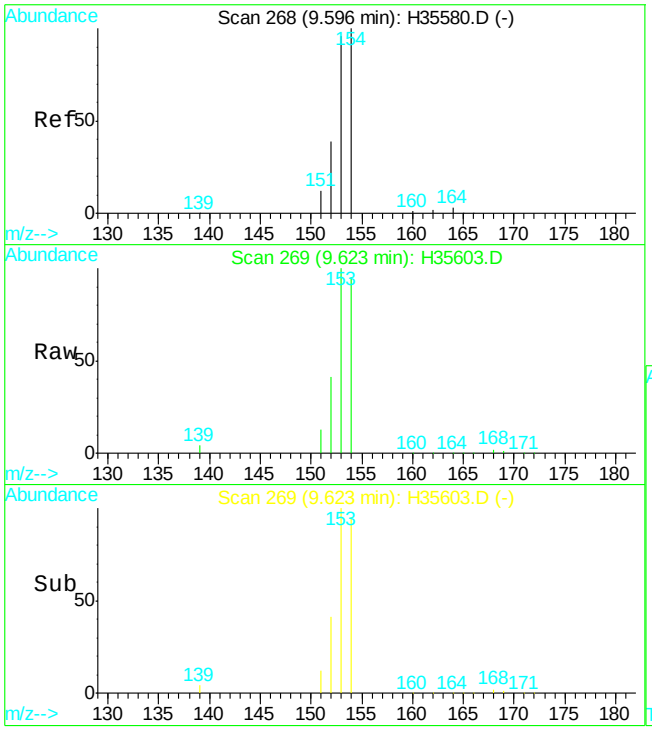


#11
Acenaphthylene
Concen: 4.55 ppb m
RT: 9.44 min Scan# 262
Delta R.T. 0.03 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:152 Resp: 147411

Ion	Ratio	Lower	Upper
152	100		
151	23.5	17.8	33.0
153	23.3	7.4	13.8#

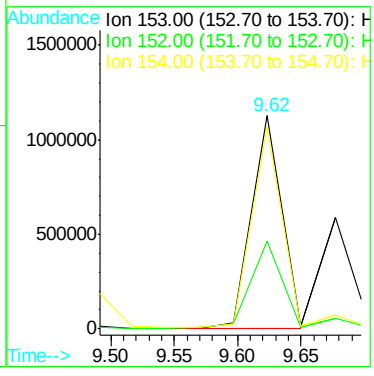


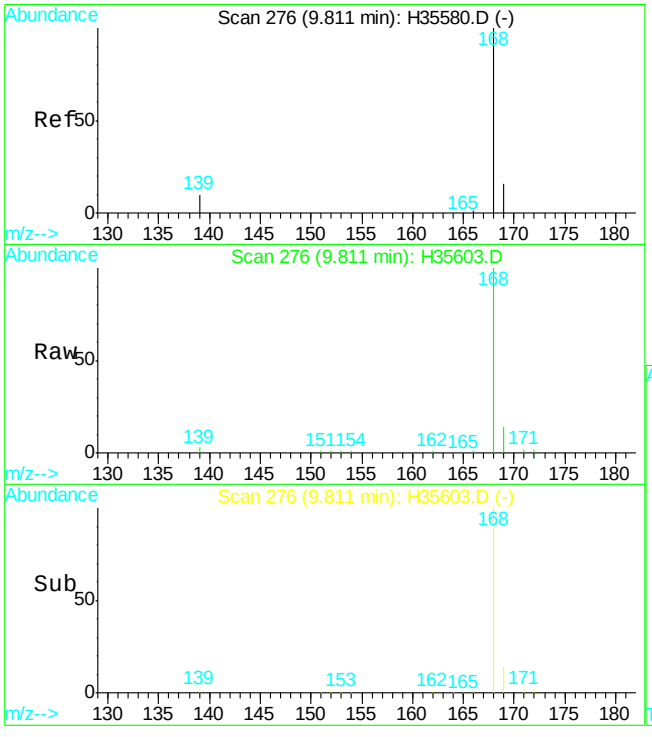


#12
Acenaphthene
Concen: 73.38 ppb m
RT: 9.62 min Scan# 269
Delta R.T. 0.03 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:153 Resp: 1899345

Ion	Ratio	Lower	Upper
153	100		
152	41.1	28.7	53.3
154	94.8	72.9	135.5

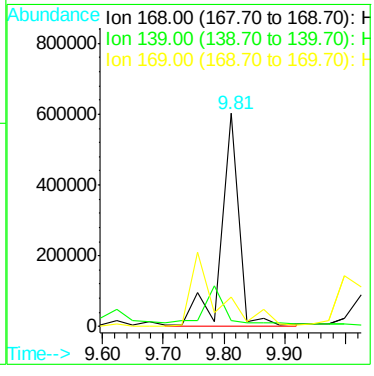


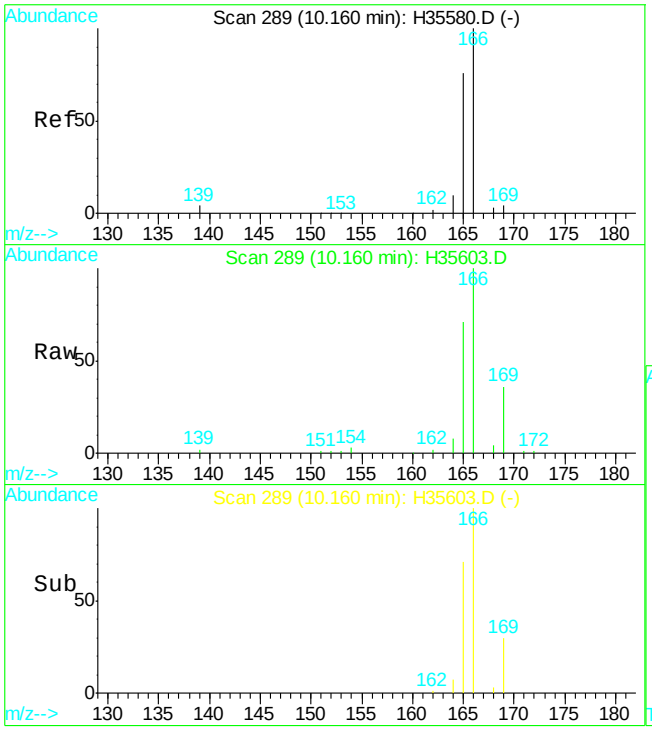


#13
Dibenzofuran
Concen: 51.05 ppb
RT: 9.81 min Scan# 276
Delta R.T. 0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:168 Resp: 1227600

Ion	Ratio	Lower	Upper
168	100		
139	29.6	33.7	62.5#
169	53.8	9.8	18.2#

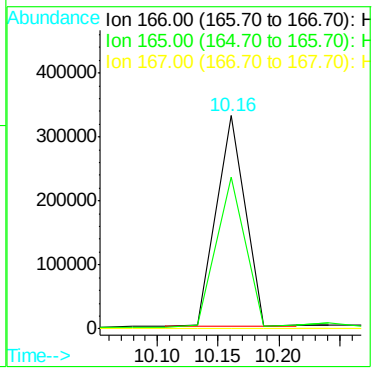


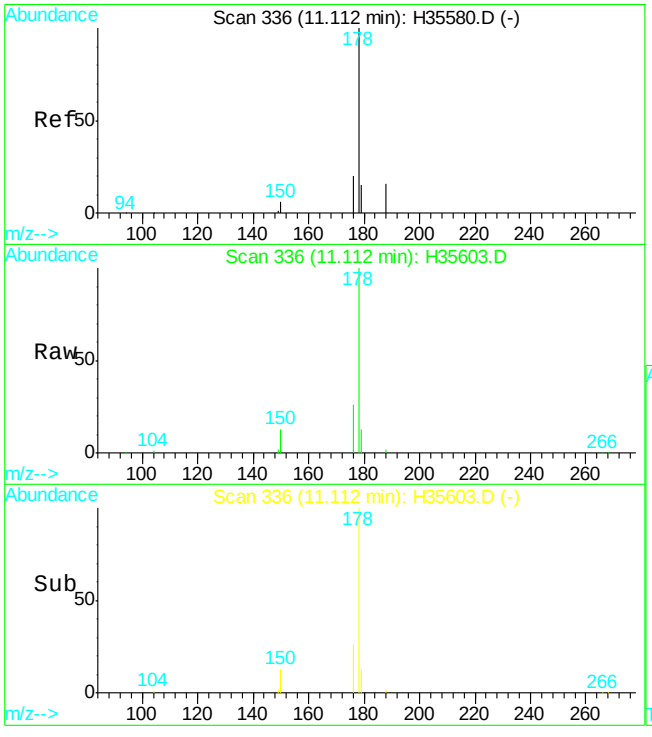


#14
Fluorene
Concen: 44.07 ppb
RT: 10.16 min Scan# 289
Delta R.T. 0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:166 Resp: 540856

Ion	Ratio	Lower	Upper
166	100		
165	70.9	53.1	98.7
167	0.0	0.0	0.0

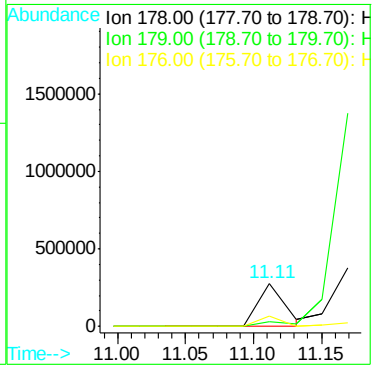


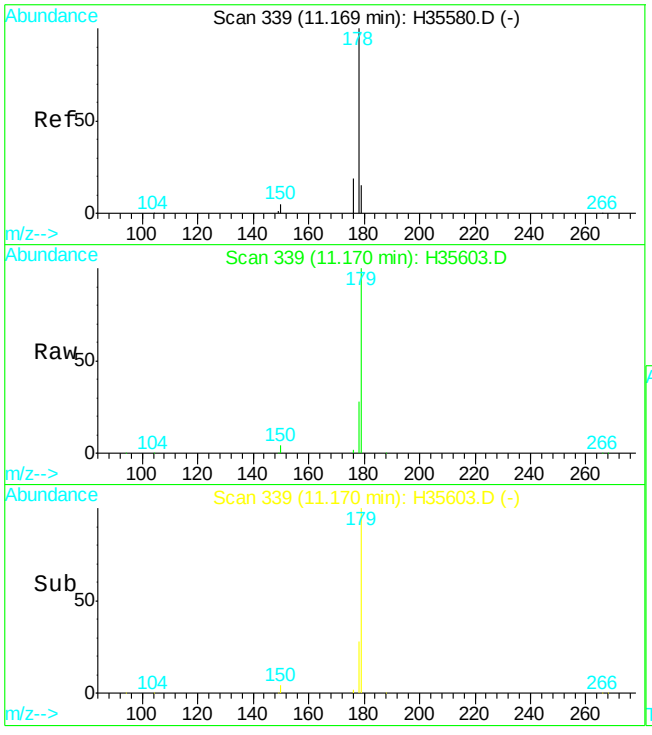


#18
Phenanthrene
Concen: 14.99 ppb
RT: 11.11 min Scan# 336
Delta R.T. 0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:178 Resp: 380959

Ion	Ratio	Lower	Upper
178	100		
179	9.6	10.6	19.6#
176	26.6	13.7	25.5#

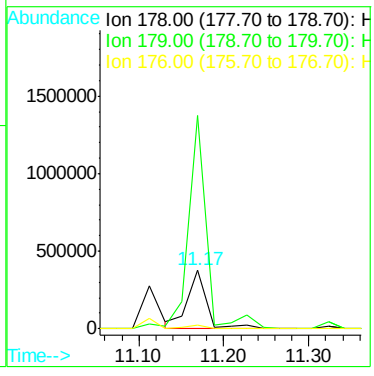


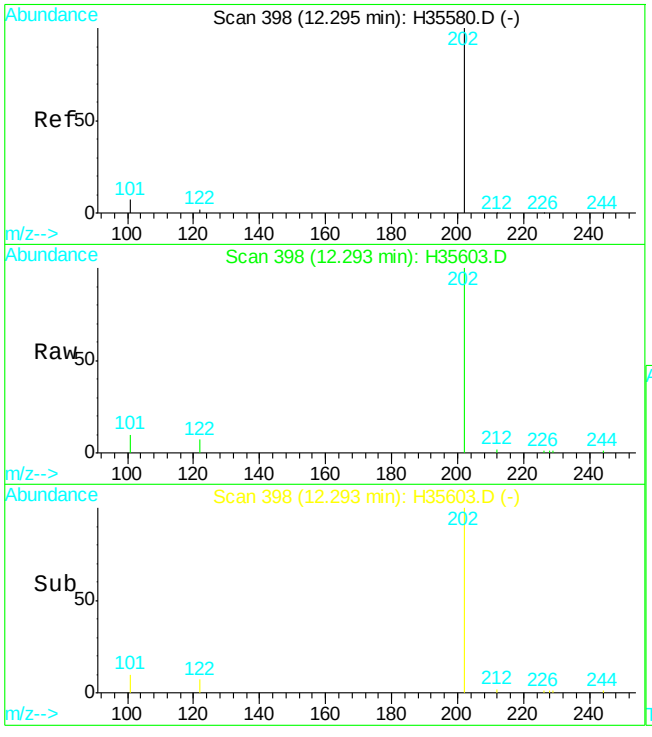


#19
Anthracene
Concen: 19.83 ppb
RT: 11.17 min Scan# 339
Delta R.T. 0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:178 Resp: 584487

Ion	Ratio	Lower	Upper
178	100		
179	385.0	10.6	19.6#
176	5.4	13.3	24.7#

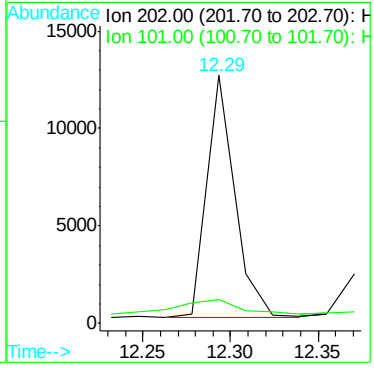


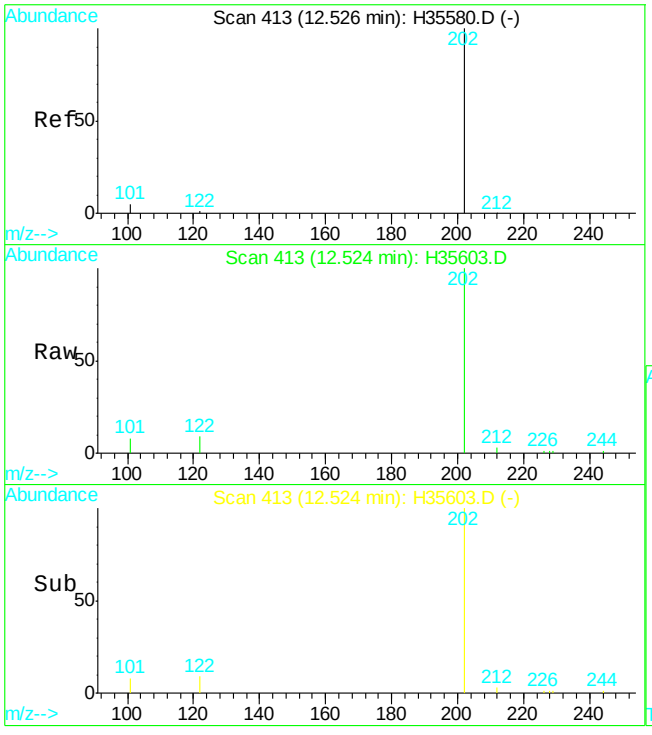


#20
Fluoranthene
Concen: 1.17 ppb m
RT: 12.29 min Scan# 398
Delta R.T. -0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:202 Resp: 13785

Ion	Ratio	Lower	Upper
202	100		
101	9.7	4.6	8.6#

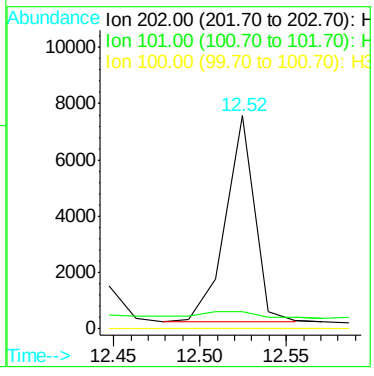




#22
Pyrene
Concen: 0.75 ppb m
RT: 12.52 min Scan# 413
Delta R.T. -0.00 min
Lab File: H35603.D
Acq: 23 Oct 2009 10:11 pm

Tgt Ion:202 Resp: 8550

Ion	Ratio	Lower	Upper
202	100		
101	8.0	3.5	6.5#
100	0.0	0.0	0.0

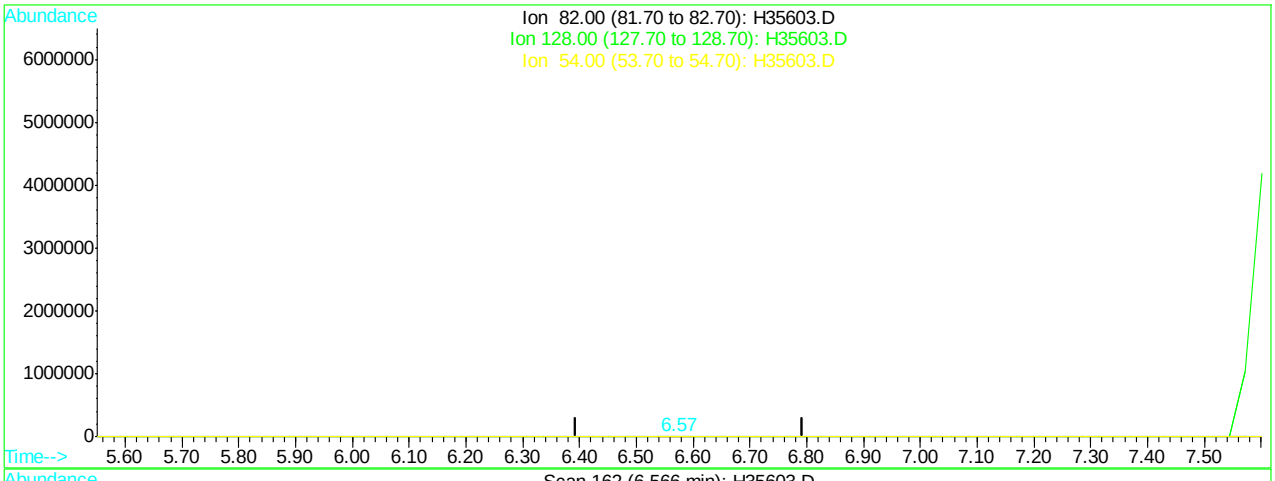


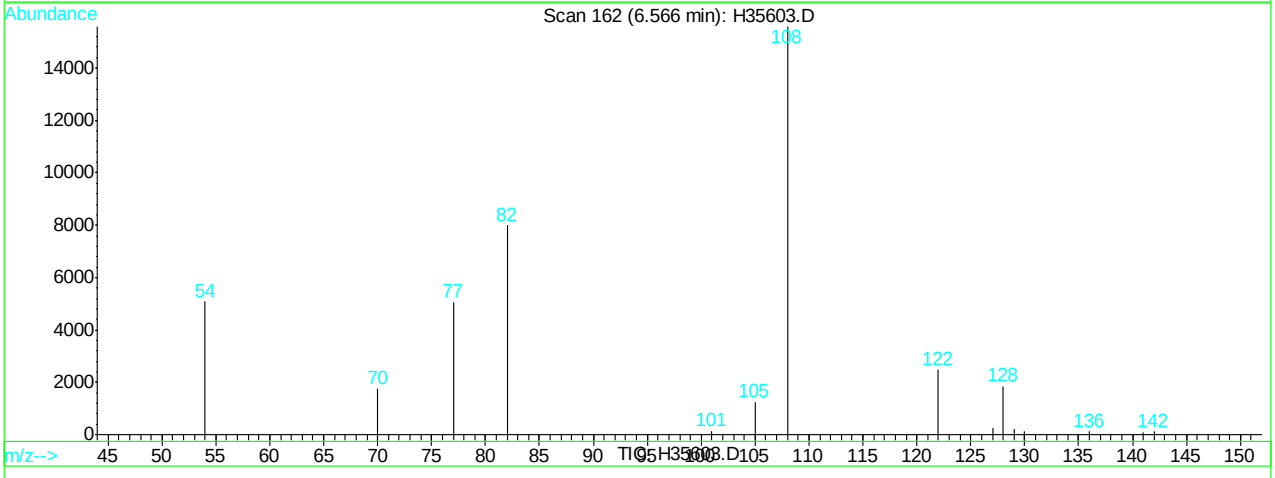
8.1.17
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.57min 4.04ppb m

response 12985

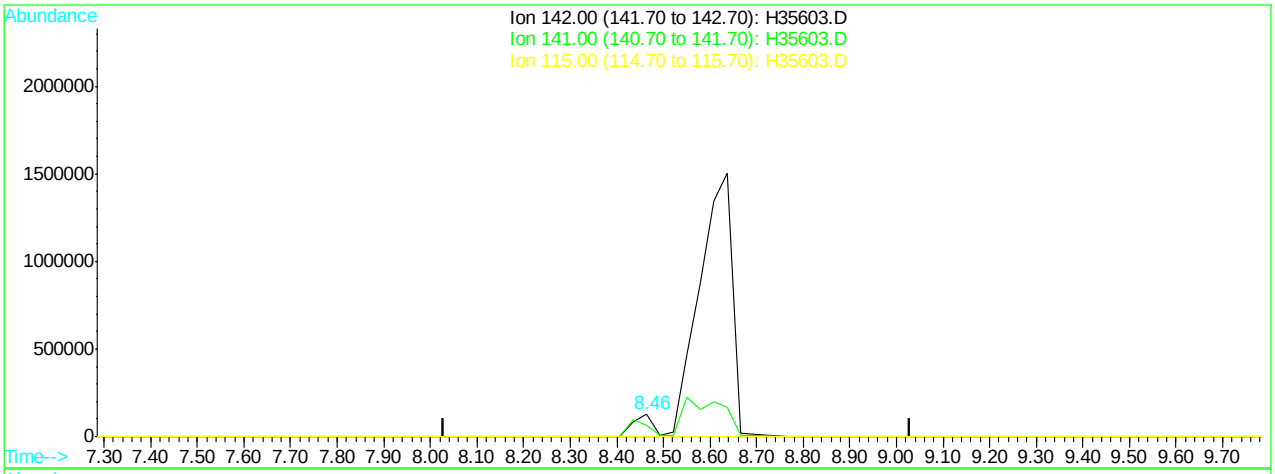
Ion	Exp%	Act%
82.00	100	100
128.00	7.60	23.27#
54.00	375.50	63.62#
0.00	0.00	0.00

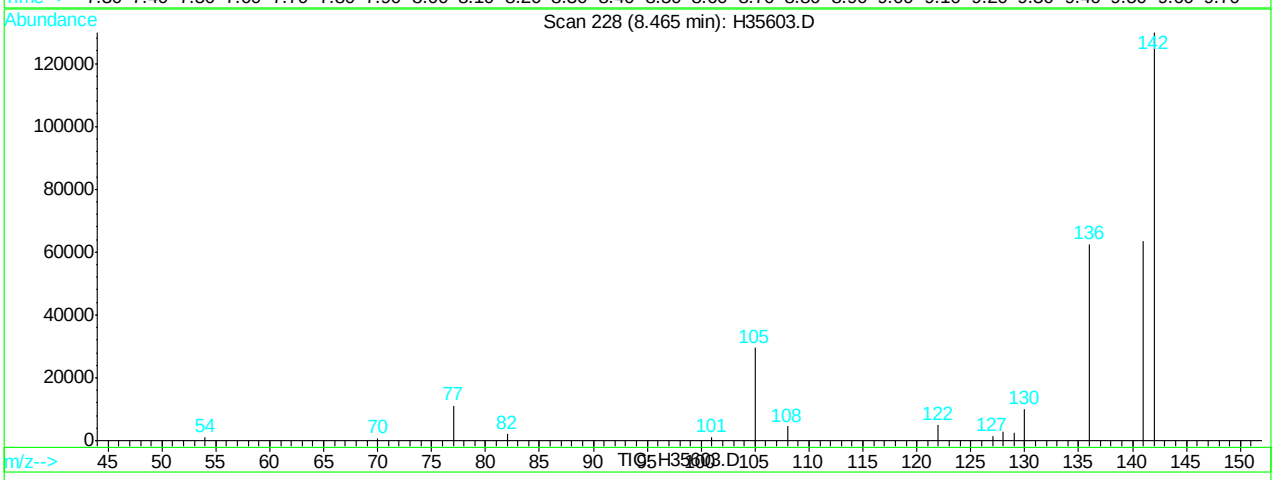
H35603.D H10239SP.M Mon Oct 26 15:22:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 11.49ppb m

response 375818

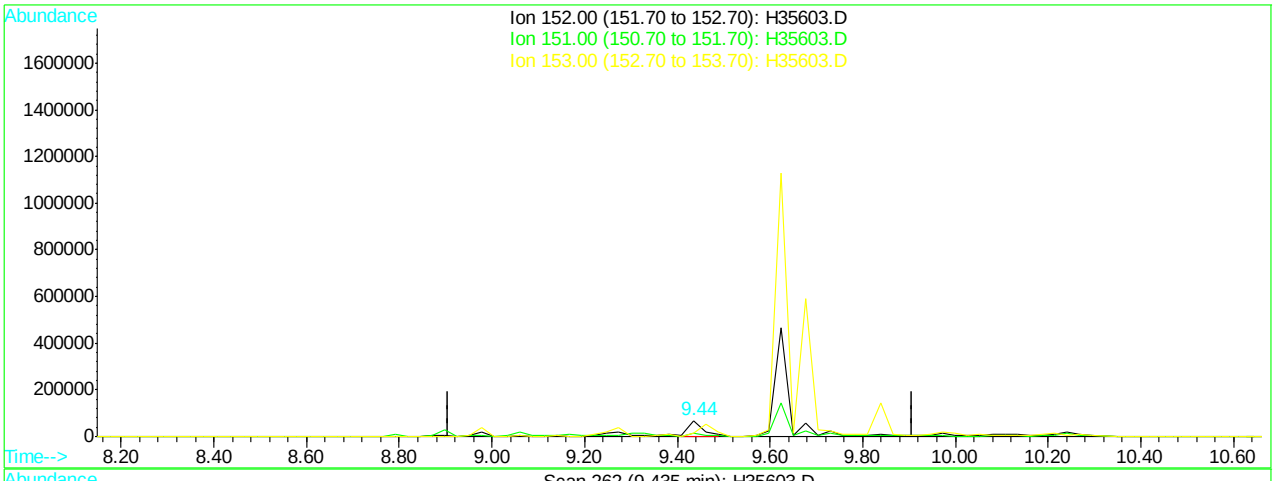
Ion	Exp%	Act%
142.00	100	100
141.00	148.50	401.25#
115.00	0.00	0.00
0.00	0.00	0.00

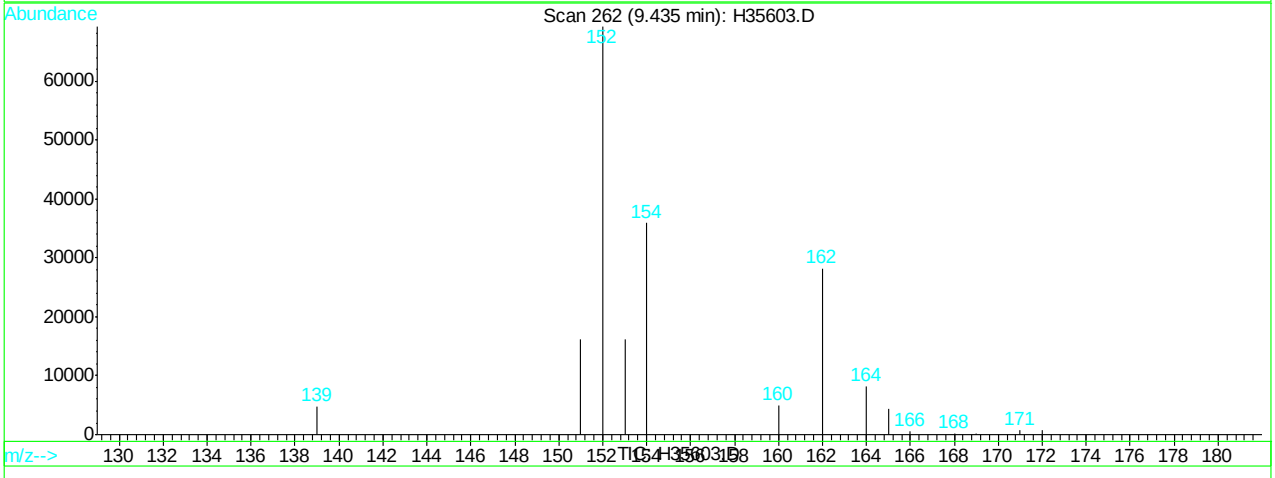
H35603.D H10239SP.M Mon Oct 26 15:22:19 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.44min 4.55ppb m

response 147411

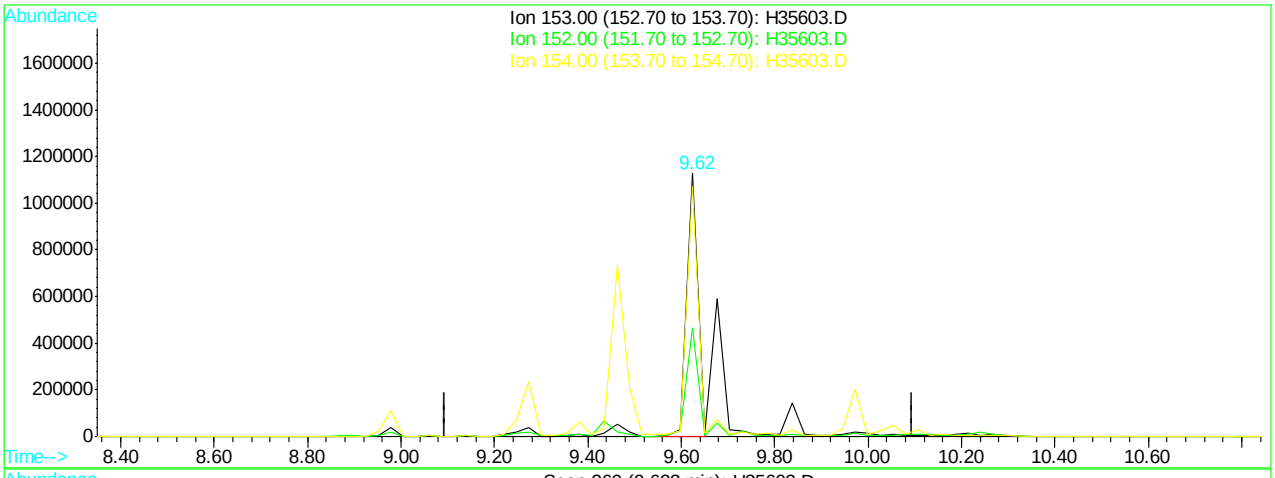
Ion	Exp%	Act%
152.00	100	100
151.00	25.40	23.47
153.00	10.60	23.33#
0.00	0.00	0.00

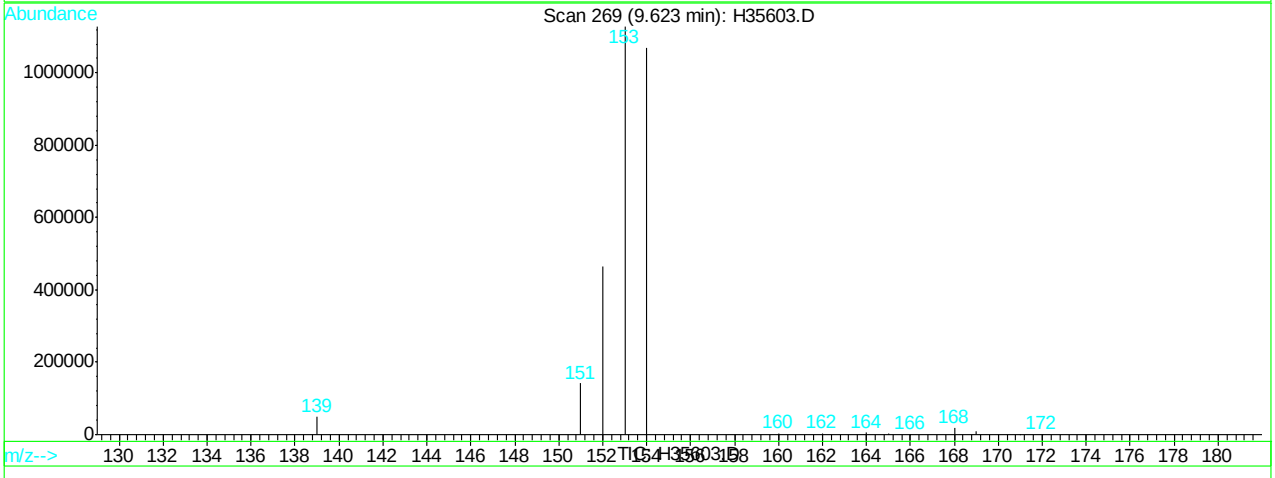
H35603.D H10239SP.M Mon Oct 26 15:22:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(12) Acenaphthene (T)

9.62min 73.38ppb m

response 1899345

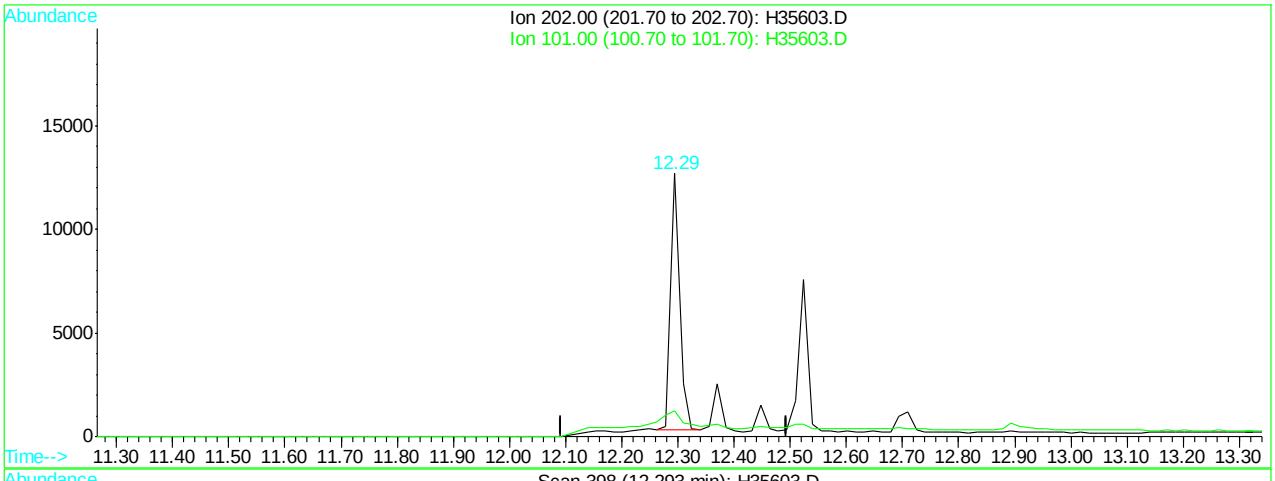
Ion	Exp%	Act%
153.00	100	100
152.00	41.00	41.15
154.00	104.20	94.83
0.00	0.00	0.00

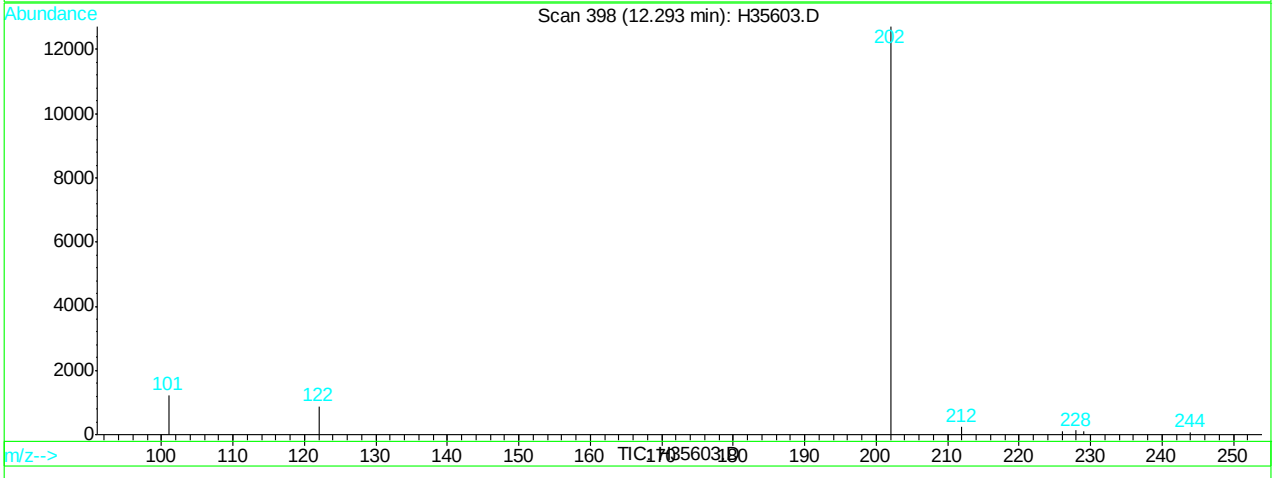
H35603.D H10239SP.M Mon Oct 26 15:22:32 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.29min 1.17ppb m

response 13785

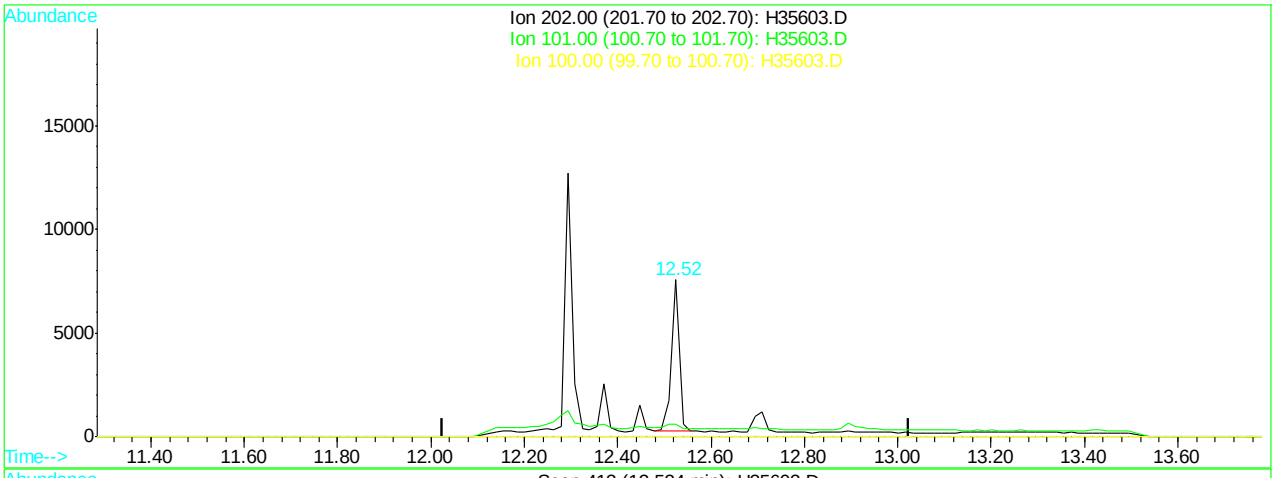
Ion	Exp%	Act%
202.00	100	100
101.00	6.60	9.65#
0.00	0.00	0.00
0.00	0.00	0.00

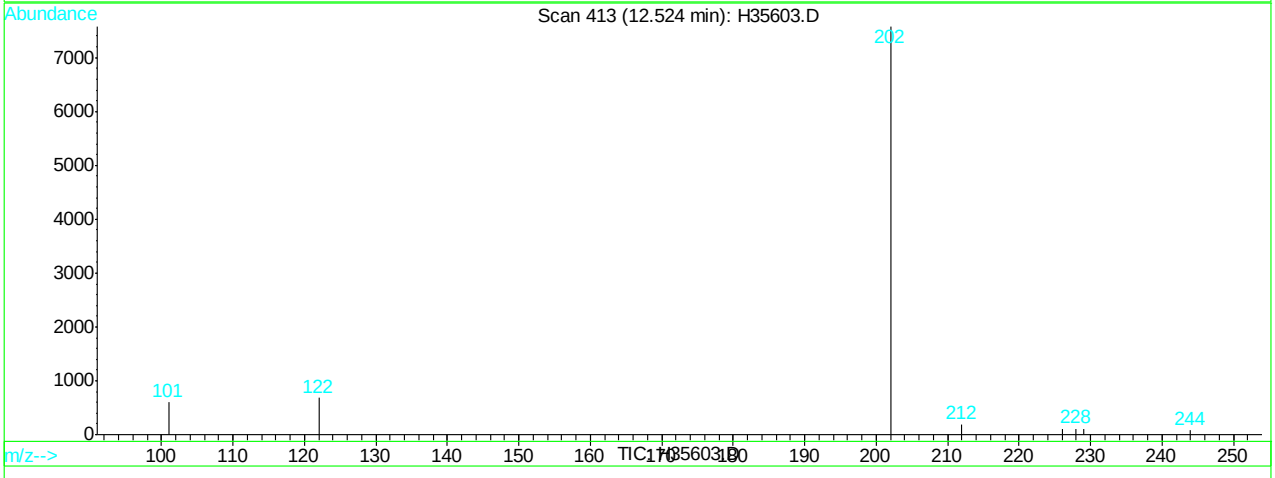
H35603.D H10239SP.M Mon Oct 26 15:22:37 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35603.D Vial: 25
Acq On : 23 Oct 2009 10:11 pm Operator: sheilac
Sample : t39187-4,10x Inst : TXMSH
Misc : OP13269,EH1920,1000,,,1,10,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 15:20 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.52min 0.75ppb m

response 8550

Ion	Exp%	Act%
202.00	100	100
101.00	5.00	8.04#
100.00	0.00	0.00
0.00	0.00	0.00

H35603.D H10239SP.M Mon Oct 26 15:22:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35503.D Vial: 21
Acq On : 20 Oct 2009 7:39 pm Operator: sheilac
Sample : t39187-5 Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:08 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 12:02:20 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	79889	4.00 ppb	0.00
4) Naphthalene-d8	7.56	136	64869	4.00 ppb	0.00
9) Acenaphthene-d10	9.57	164	62155	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	67095	4.00 ppb	0.00
21) Chrysene-d12	13.87	240	56589	4.00 ppb	0.00
26) Perylene-d12	16.33	264	13964	4.00 ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	196298	37.30 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 746.00%#		
10) 2-Fluorobiphenyl	8.87	172	1897612	50.57 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1011.40%#		
16) 2,4,6-Tribromophenol	10.40	330	359497	103.36 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1033.60%#		
23) Terphenyl-d14	12.66	244	520554	54.83 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1096.60%#		

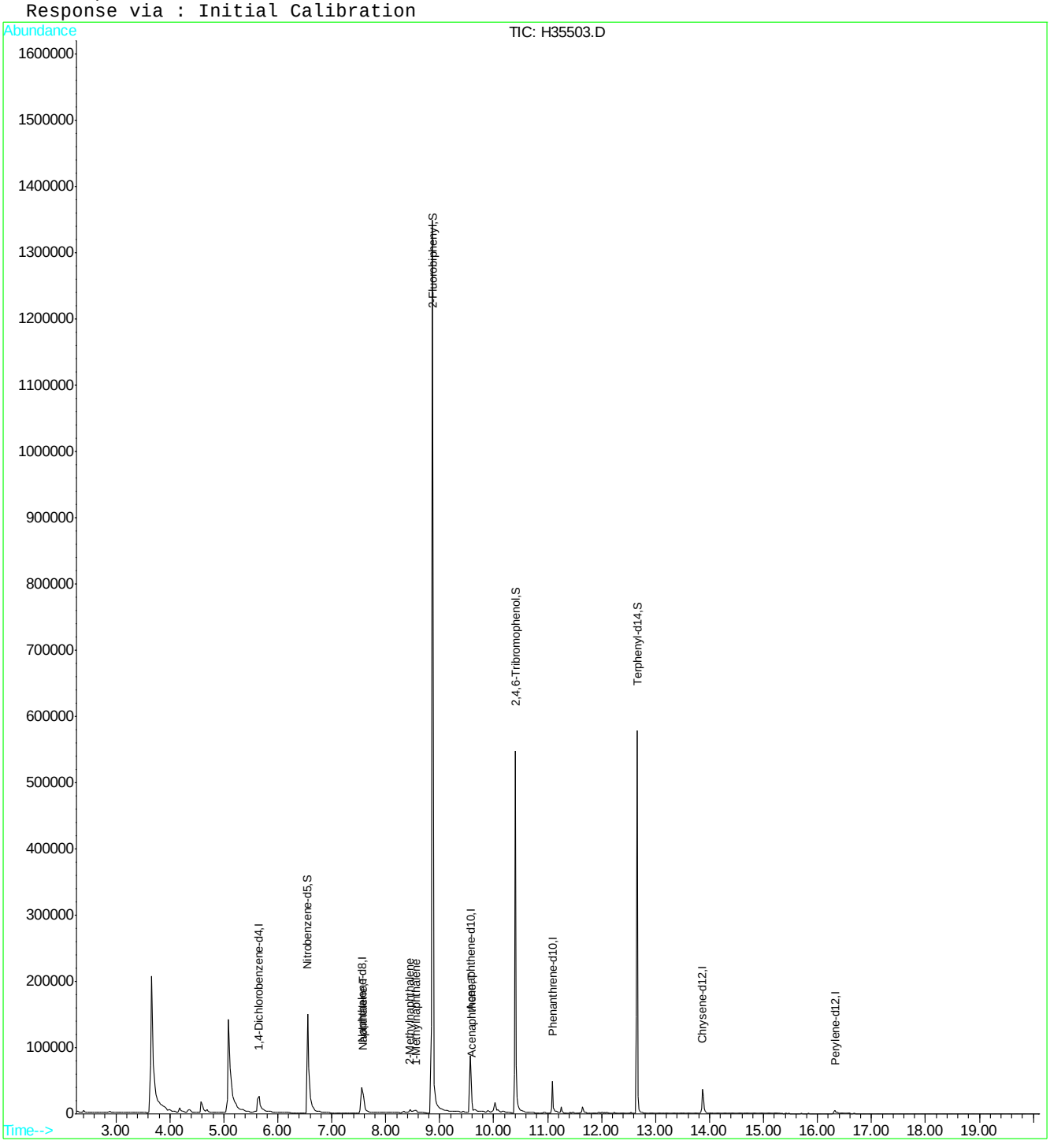
Target Compounds						Qvalue
6) Naphthalene	7.59	128	47158	1.79 ppb		93
7) 2-Methylnaphthalene	8.45	142	6326	0.28 ppb	#	86
8) 1-Methylnaphthalene	8.56	142	11450	0.35 ppb	#	60
12) Acenaphthene	9.60	153	14948	0.40 ppb		81

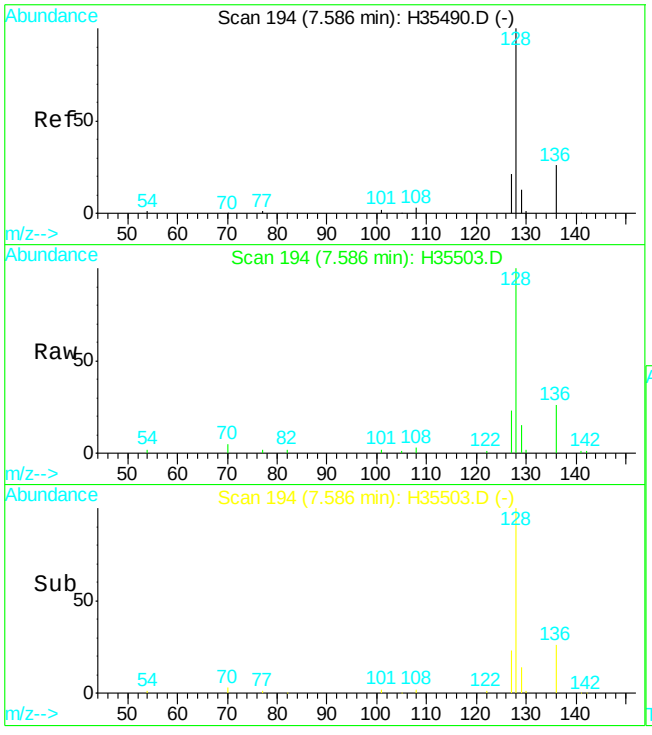
(#) = qualifier out of range (m) = manual integration
H35503.D H10209SP.M Wed Oct 21 12:08:54 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35503.D Vial: 21
Acq On : 20 Oct 2009 7:39 pm Operator: sheilac
Sample : t39187-5 Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:08 2009 Quant Results File: H10209SP.RES

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 12:02:20 2009
Response via : Initial Calibration

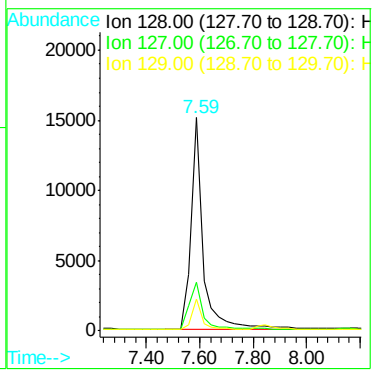


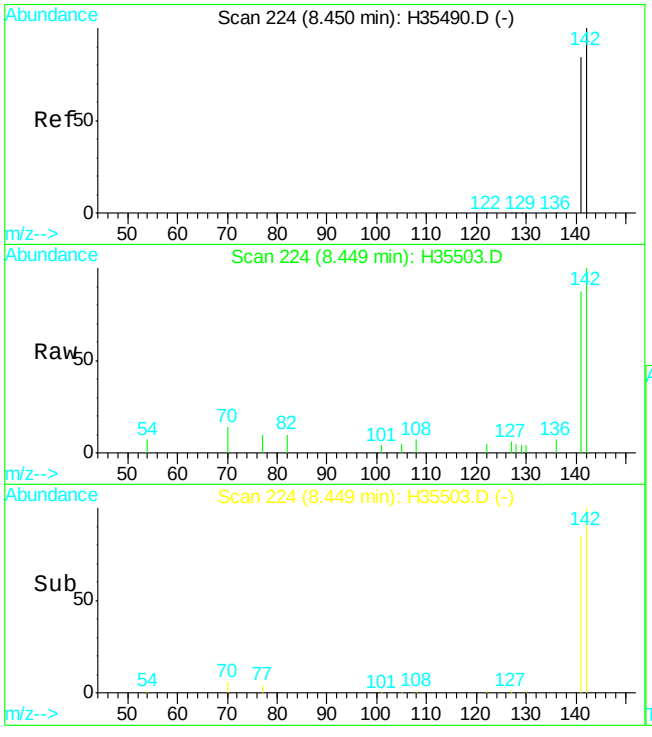


#6
Naphthalene
Concen: 1.79 ppb
RT: 7.59 min Scan# 194
Delta R.T. -0.00 min
Lab File: H35503.D
Acq: 20 Oct 2009 7:39 pm

Tgt Ion:128 Resp: 47158

Ion	Ratio	Lower	Upper
128	100		
127	22.4	12.7	23.5
129	14.1	8.9	16.5

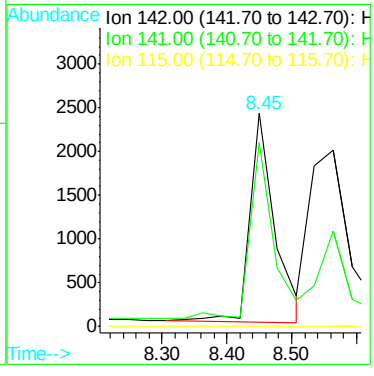


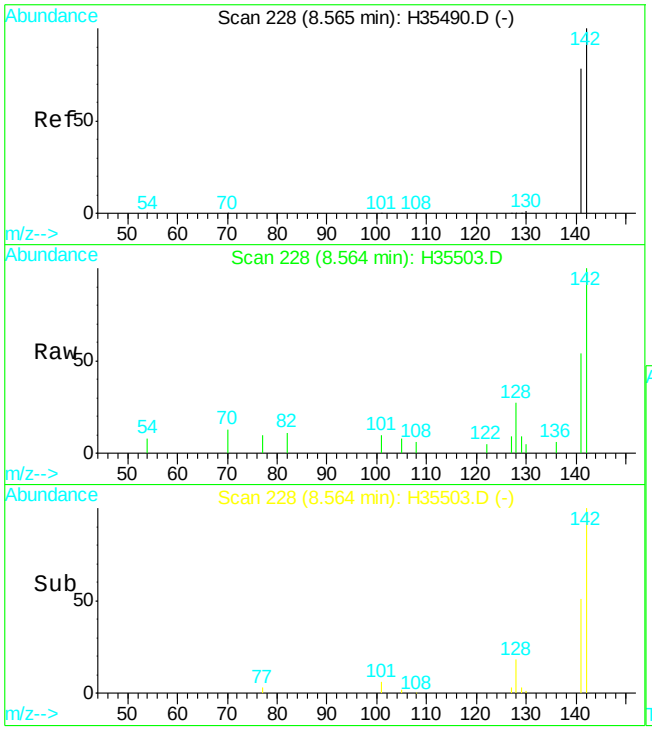


#7
2-Methylnaphthalene
Concen: 0.28 ppb
RT: 8.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: H35503.D
Acq: 20 Oct 2009 7:39 pm

Tgt Ion:142 Resp: 6326

Ion	Ratio	Lower	Upper
142	100		
141	82.6	49.7	92.3
115	0.0	0.0	0.0

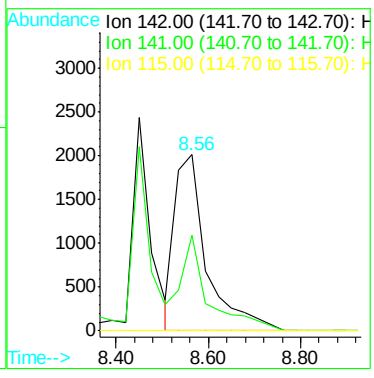


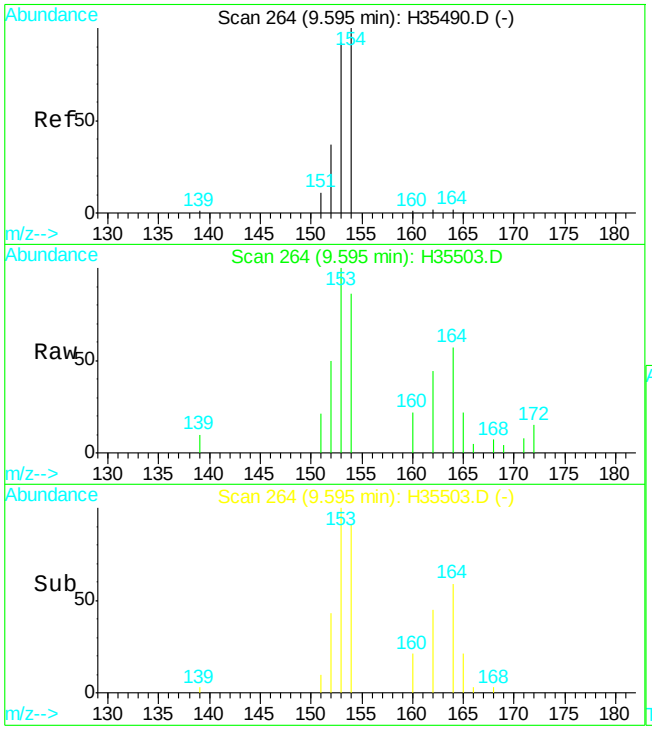


#8
1-Methylnaphthalene
Concen: 0.35 ppb
RT: 8.56 min Scan# 228
Delta R.T. 0.00 min
Lab File: H35503.D
Acq: 20 Oct 2009 7:39 pm

Tgt Ion:142 Resp: 11450

Ion	Ratio	Lower	Upper
142	100		
141	45.4	56.8	105.6#
115	0.0	0.0	0.0

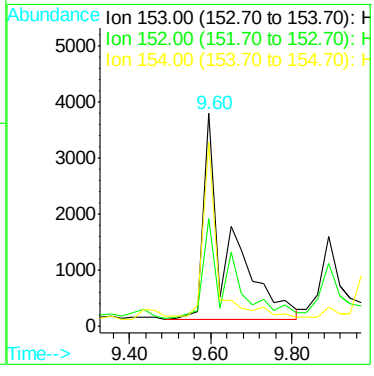




#12
Acenaphthene
Concen: 0.40 ppb
RT: 9.60 min Scan# 264
Delta R.T. -0.00 min
Lab File: H35503.D
Acq: 20 Oct 2009 7:39 pm

Tgt Ion:153 Resp: 14948

Ion	Ratio	Lower	Upper
153	100		
152	47.9	28.3	52.7
154	86.6	76.0	141.2



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 15:19:59 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	493054	40.00	ug/ml	0.00
20) Naphthalene-d8	5.940	136	1754463	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.411	164	949163	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.192	188	1413763	40.00	ug/ml	-0.01
71) Chrysene-d12	16.712	240	926329	40.00	ug/ml	-0.02
80) Perylene-d12	19.520	264	671900	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.720	112	997668	64.48	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 64.48%			
5) Phenol-d5 (SURR)	4.501	99	900928	46.59	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 46.59%			
21) Nitrobenzene-d5 (SURR)	5.218	82	792907	43.10	ug/ml	-0.08
Spiked Amount 50.000	Range 29 - 115		Recovery = 86.20%			
40) 2-Fluorobiphenyl (SURR)	7.341	172	1477394	38.40	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 76.80%			
62) 2,4,6-Tribromophenol (...	9.855	330	394355	82.90	ug/ml	-0.11
Spiked Amount 100.000	Range 32 - 128		Recovery = 82.90%			
74) Terphenyl-d14	14.567	244	1137383	51.42	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery = 102.84%			

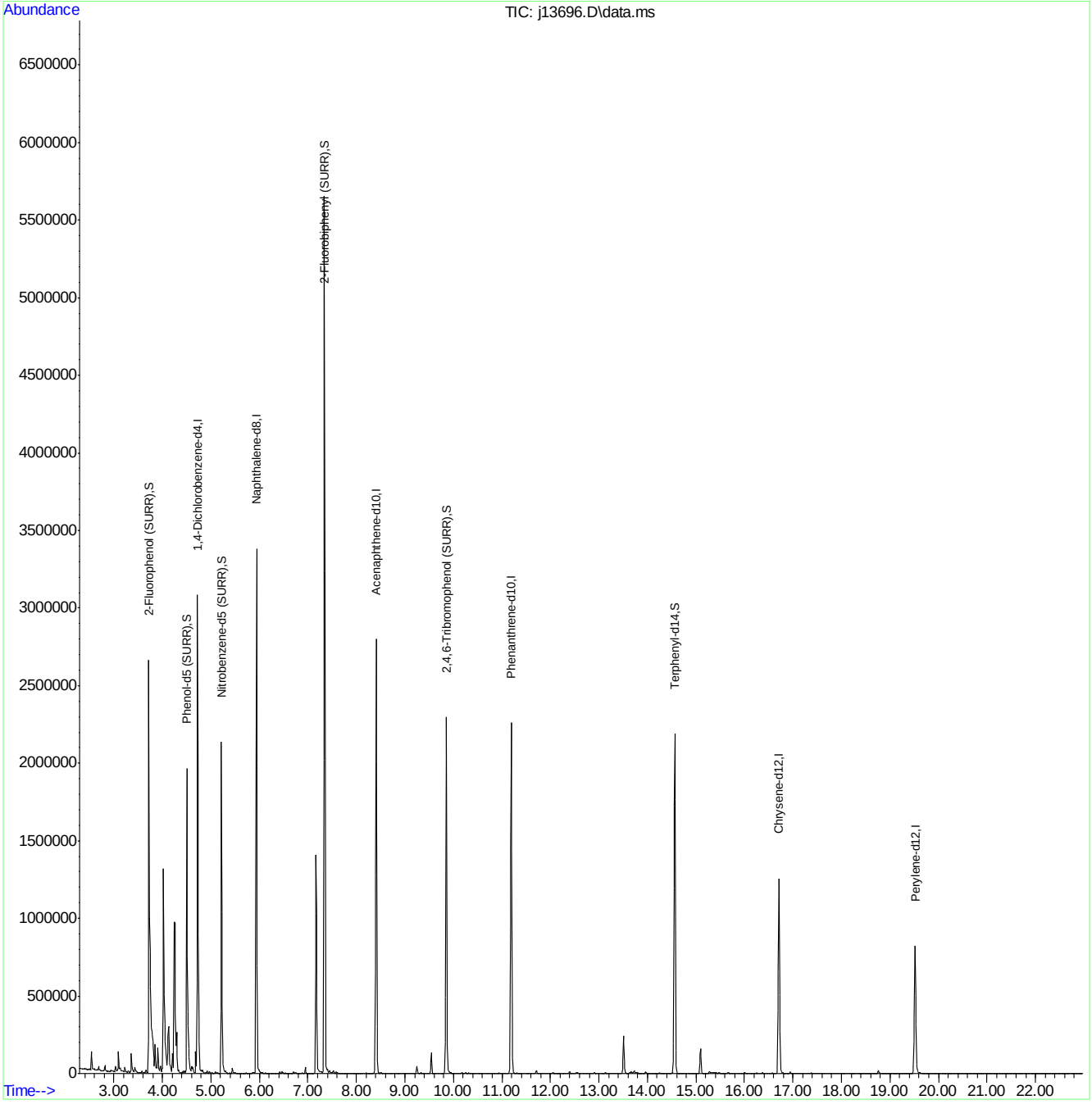
Target Compounds Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 15:19:59 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 20000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\ej615mg.m
Title :

Signal : TIC: j13696.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.538	44	47	52	rBV	116024	106655	1.45%	0.210%
2	3.095	147	151	154	rBV	126199	116669	1.58%	0.229%
3	3.362	197	201	209	rBV	124514	127371	1.73%	0.250%
4	3.720	265	268	271	rBV	2652075	2685951	36.44%	5.279%
5	3.849	289	292	297	rVB	158667	135052	1.83%	0.265%
6	3.908	300	303	309	rVB	146901	131306	1.78%	0.258%
7	4.020	321	324	327	rBV	1283518	1251076	16.97%	2.459%
8	4.041	327	328	338	rVV2	473194	625160	8.48%	1.229%
9	4.127	338	344	356	rVB2	289950	593595	8.05%	1.167%
10	4.207	356	359	362	rBV	114363	115315	1.56%	0.227%
11	4.239	362	365	366	rVV	953281	748148	10.15%	1.470%
12	4.255	366	368	373	rVV	947623	1033751	14.03%	2.032%
13	4.293	373	375	381	rVB	246977	244002	3.31%	0.480%
14	4.501	410	414	429	rBV	1963583	2811895	38.15%	5.526%
15	4.688	446	449	452	rBV	135947	138423	1.88%	0.272%
16	4.726	452	456	468	rVB	3074294	3307434	44.88%	6.500%
17	5.218	543	548	561	rBV	2136339	2504195	33.98%	4.922%
18	5.940	677	683	692	rBV	3378555	4050461	54.96%	7.961%
19	7.170	907	913	933	rBV	1407998	1777568	24.12%	3.494%
20	7.341	938	945	954	rBV	5646997	7370184	100.00%	14.485%
21	8.411	1135	1145	1159	rBV	2798565	4259673	57.80%	8.372%
22	9.545	1351	1357	1363	rBB	133874	161156	2.19%	0.317%
23	9.855	1407	1415	1432	rBV	2297147	3707560	50.30%	7.287%
24	11.192	1655	1665	1680	rBV2	2263094	3966023	53.81%	7.795%
25	13.508	2092	2098	2111	rBB2	242480	399572	5.42%	0.785%
26	14.567	2282	2296	2316	rBV	2190102	3911058	53.07%	7.687%
27	15.092	2388	2394	2402	rBV	160393	251364	3.41%	0.494%
28	16.712	2685	2697	2711	rBV	1258013	2541168	34.48%	4.994%
29	19.520	3212	3222	3247	rBV	823324	1808895	24.54%	3.555%

Sum of corrected areas: 50880680

LSC Report - Integrated Chromatogram

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On    :  8 Oct 2009   2:56 pm
Operator  : sheilac
Sample    : op13205-mb
Misc      : op13205,Ej629,1000,,,1,1,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
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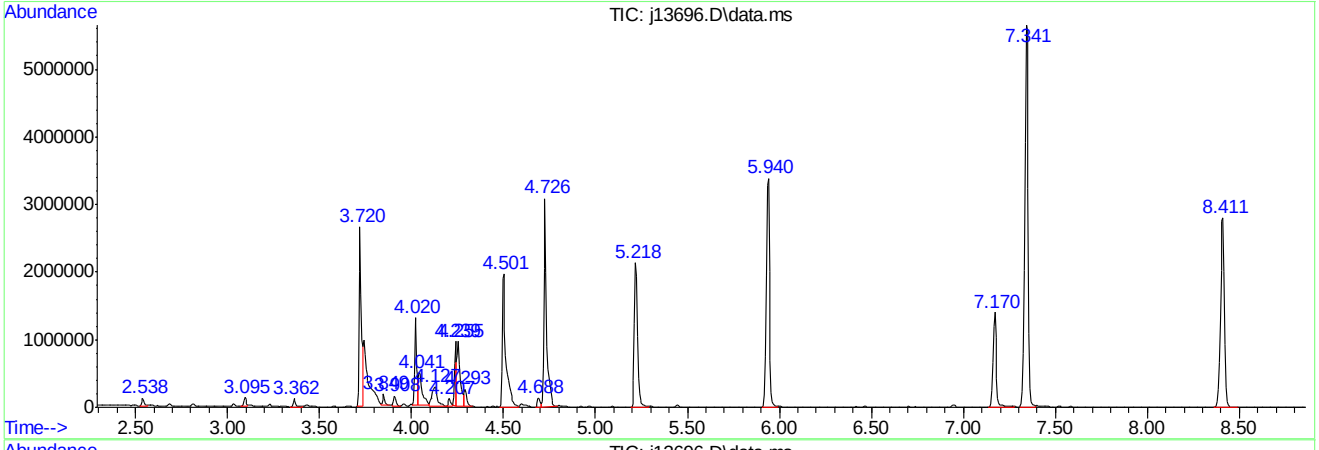
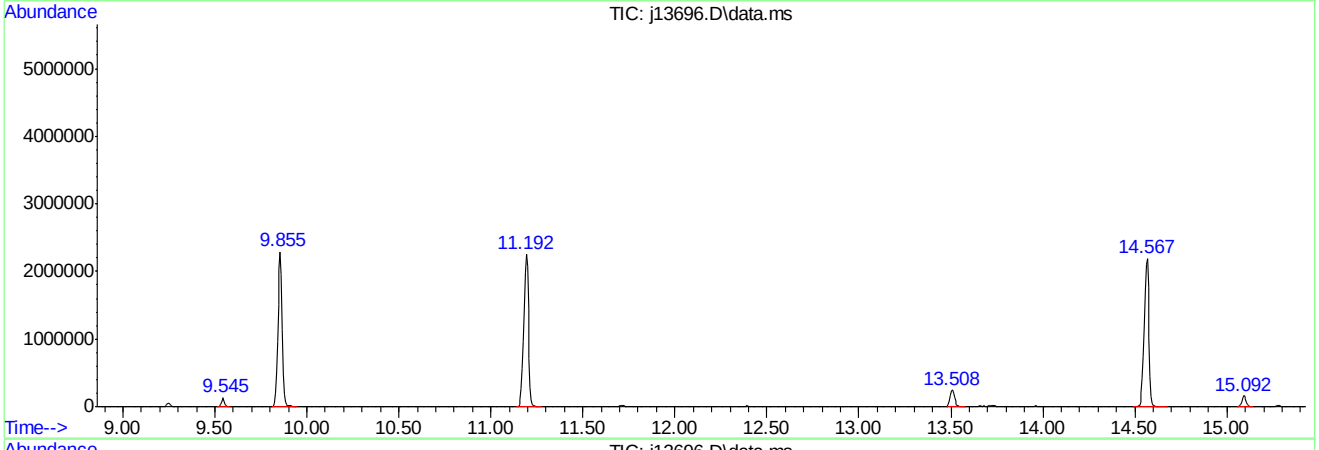
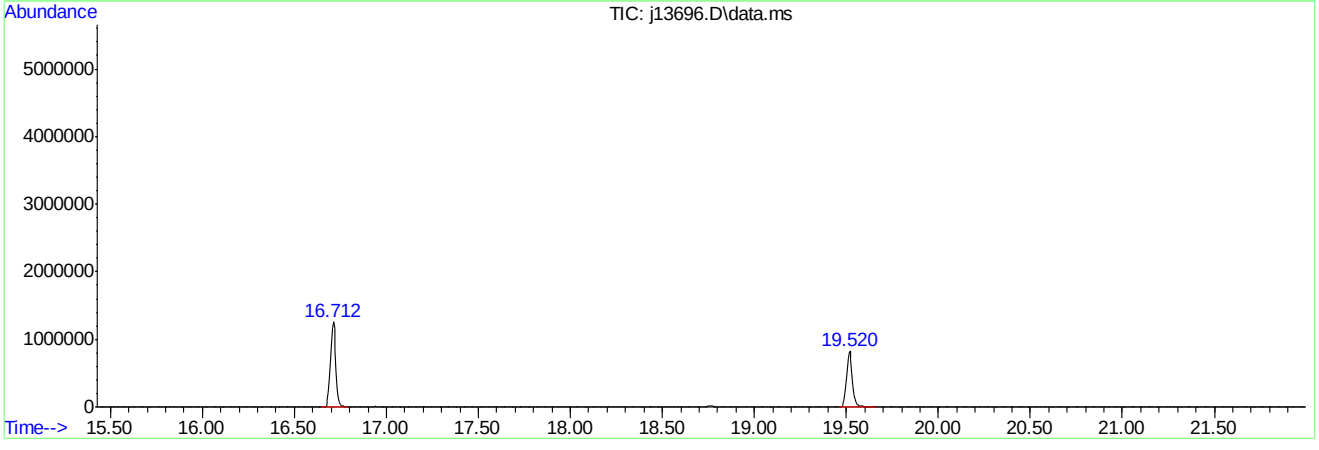






Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

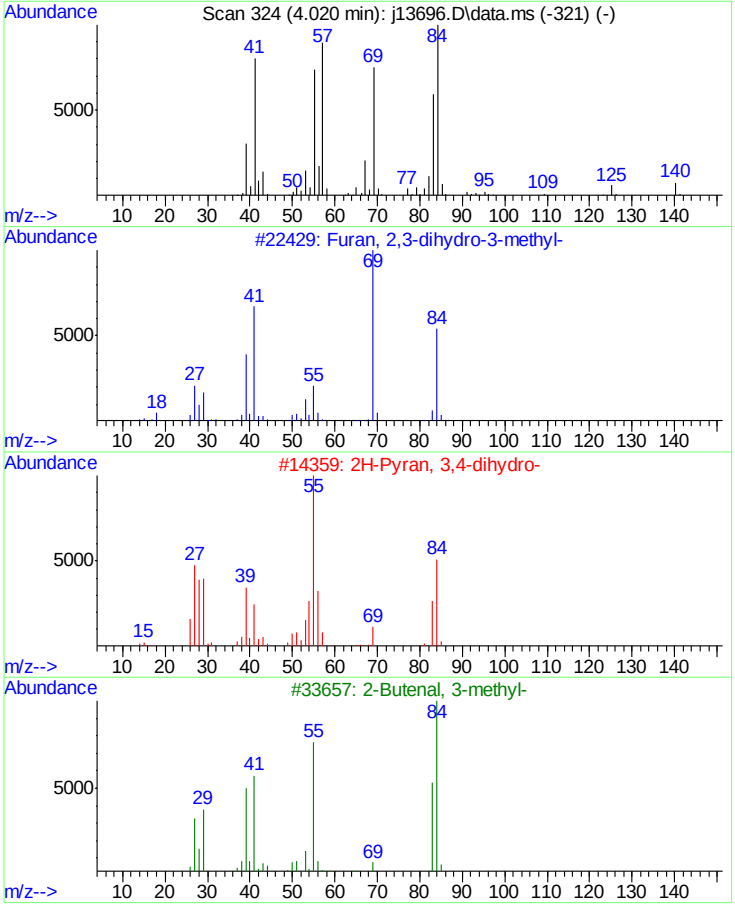
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

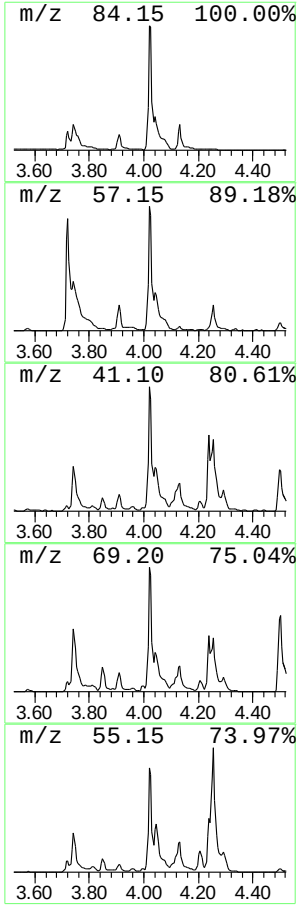
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Furan, 2,3-dihydro-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.020	15.13 ug/ml	1251080	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	49
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	43
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	38
5	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	38





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On    :  8 Oct 2009   2:56 pm
Operator  : sheilac
Sample    : op13205-mb
Misc      : op13205,Ej629,1000,,,1,1,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```
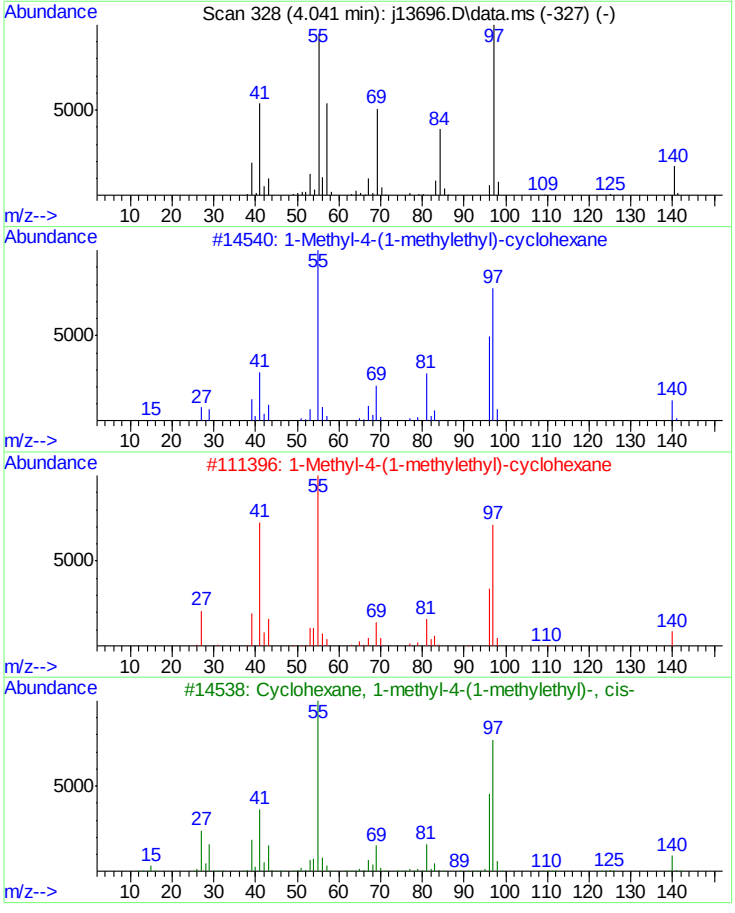
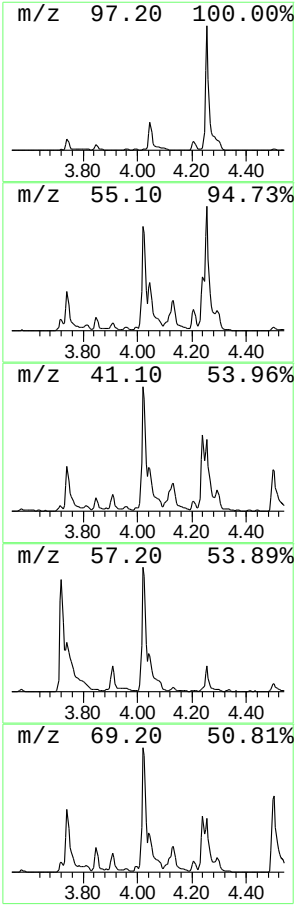

****

Peak Number 2 1-Methyl-4-(1-methylethyl)-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.041	7.56 ug/ml	625160	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	58
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	58
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58
4	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	50
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

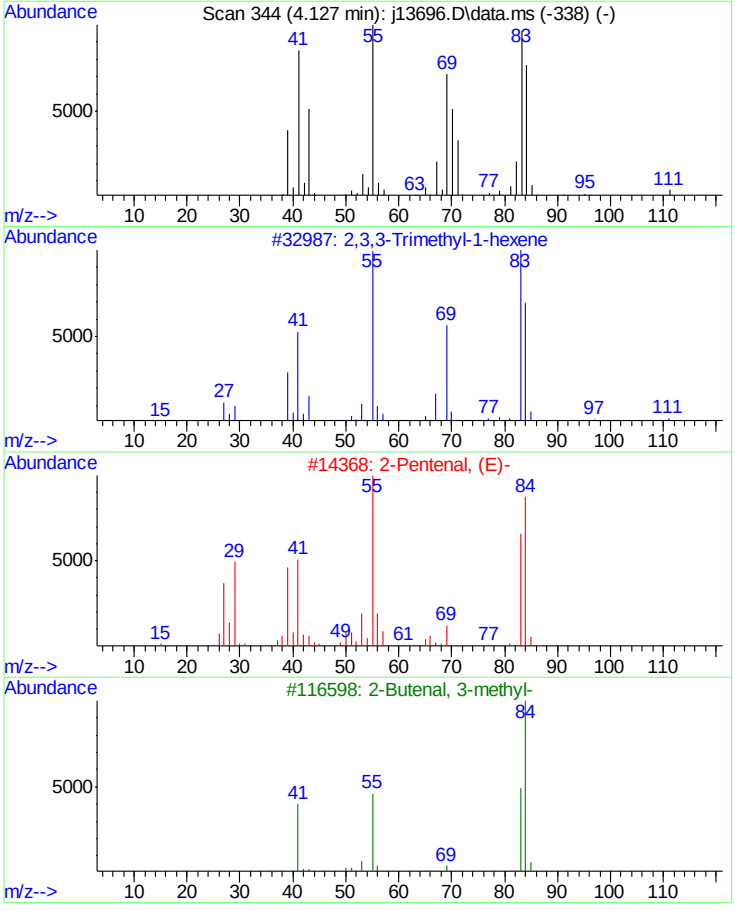
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

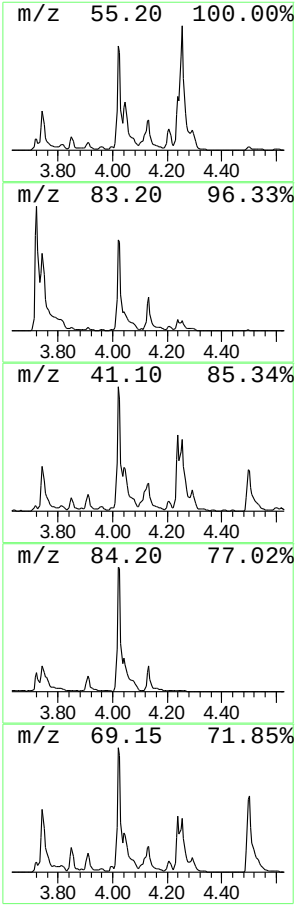
****

Peak Number 3 2,3,3-Trimethyl-1-hexene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.127	7.18 ug/ml	593595	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	52
2	2-Pentenal, (E)-	84	C5H8O	001576-87-0	46
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	38
4	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	35
5	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	27





ACCUTEST Laboratories T39187

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

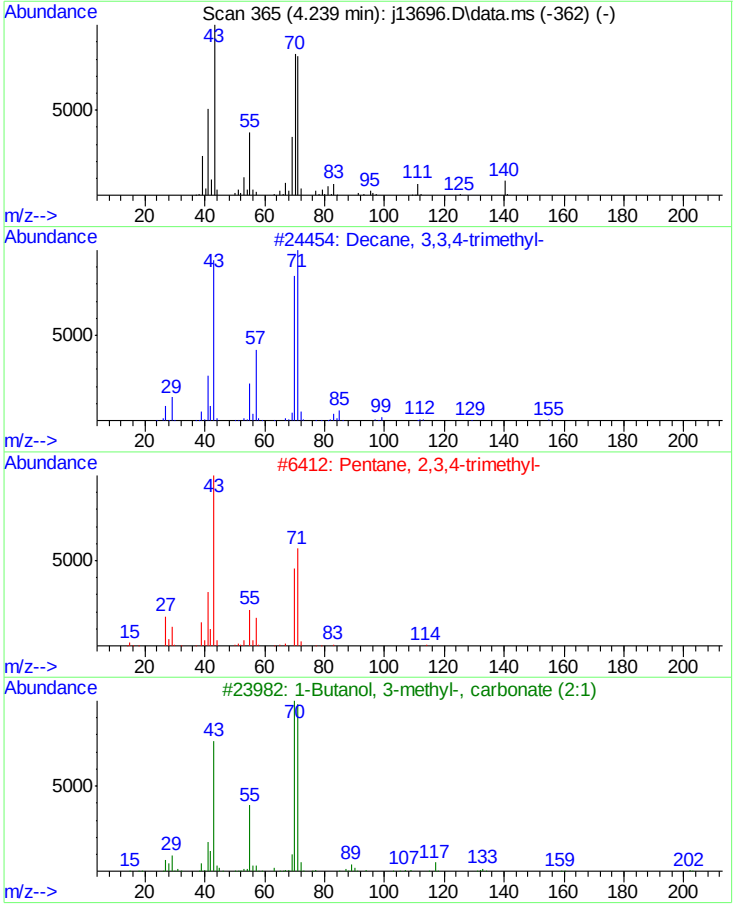
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

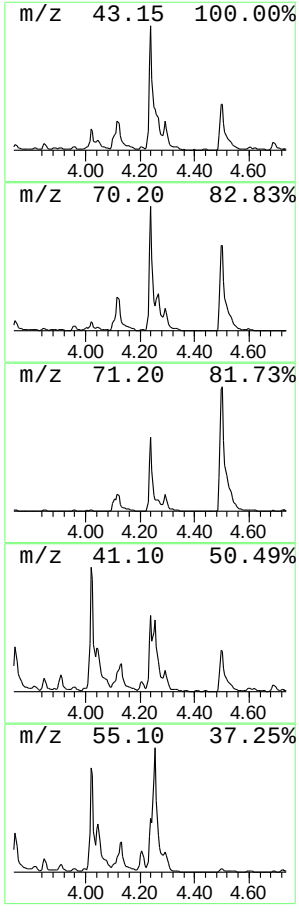
****

Peak Number 4 Decane, 3,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.239	9.05 ug/ml	748148	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
3	1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	72
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
5	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	56





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

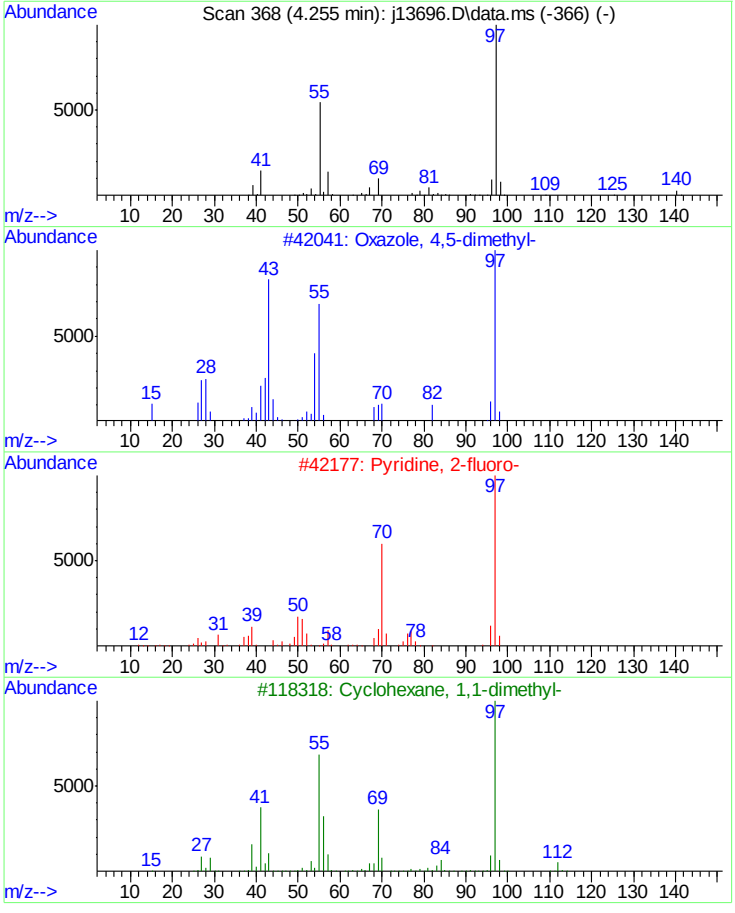
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

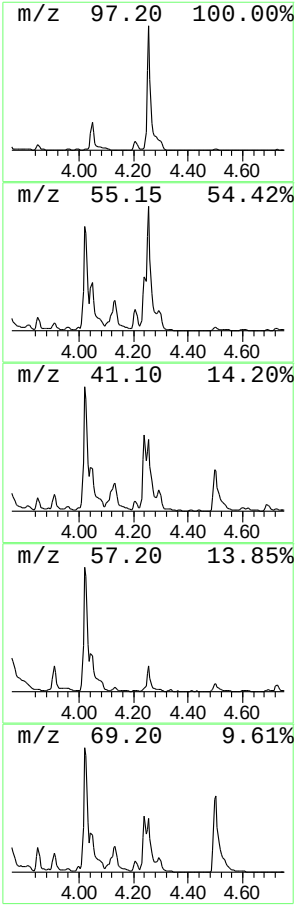
****

Peak Number 5 Oxazole, 4,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.255	12.50 ug/ml	1033750	1,4-Dichlorobenzene-d4	4.726

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64
2	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	64
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	56
4	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	50
5	Pyridine, 2-fluoro-	97	C5H4FN	000372-48-5	50





Library Search Compound Report

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Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On    :  8 Oct 2009   2:56 pm
Operator  : sheilac
Sample    : op13205-mb
Misc      : op13205,Ej629,1000,,,1,1,water
ALS Vial  : 10   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :

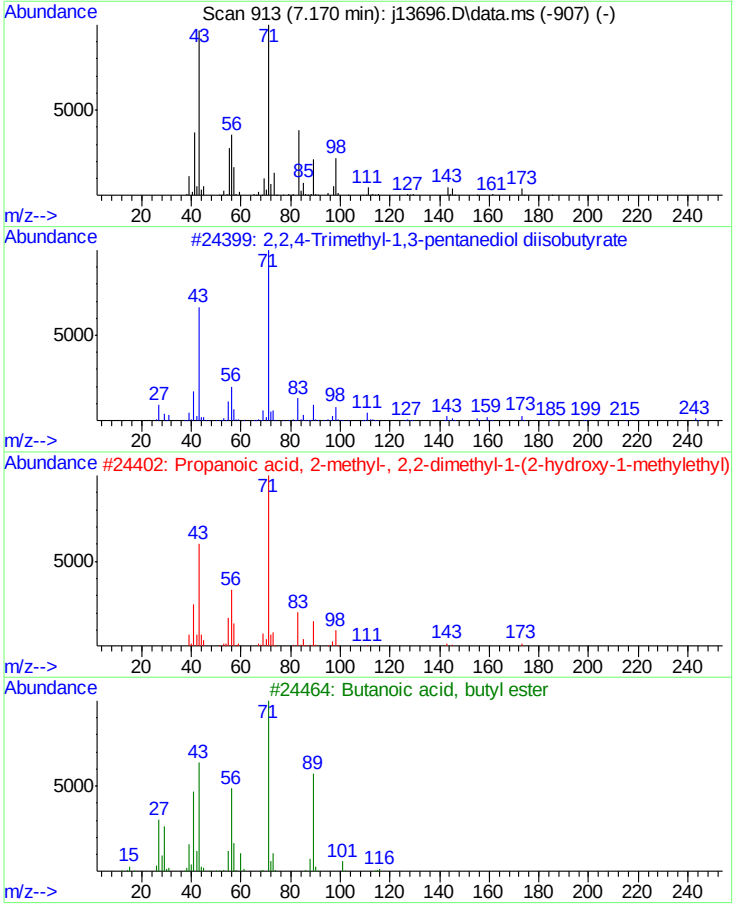
TIC Library    : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P
```

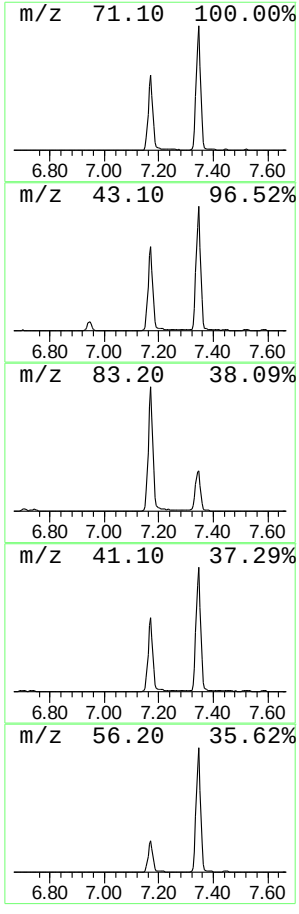
****

Peak Number 6 2,2,4-Trimethyl-1,3-pentane... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.170	17.55 ug/ml	1777570	Naphthalene-d8	5.940

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	50
2	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	50
3	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	47
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	43
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35





Library Search Compound Report

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

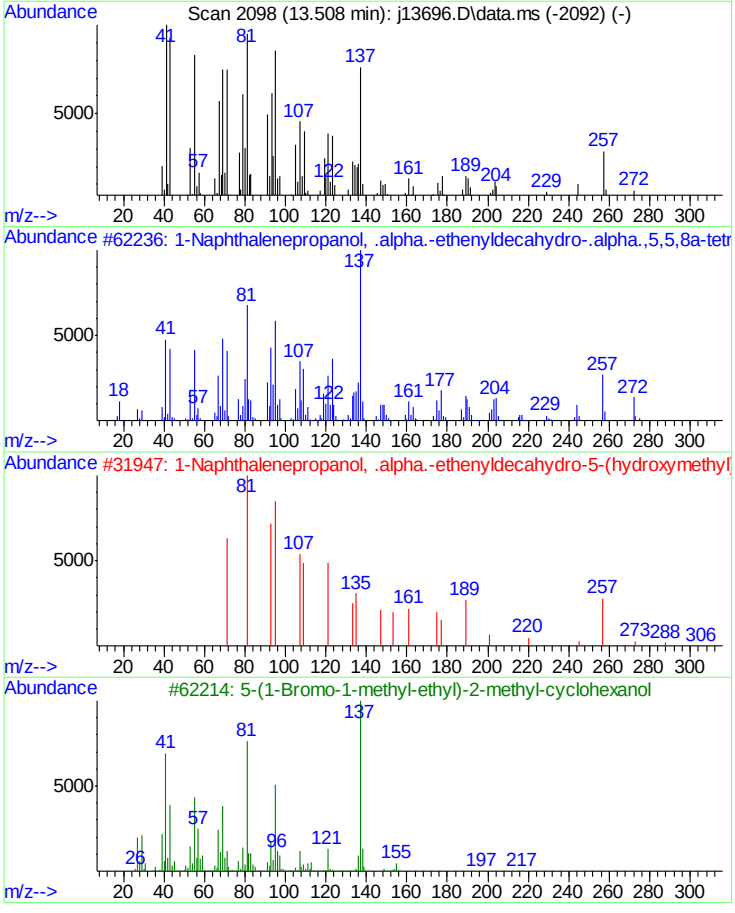
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

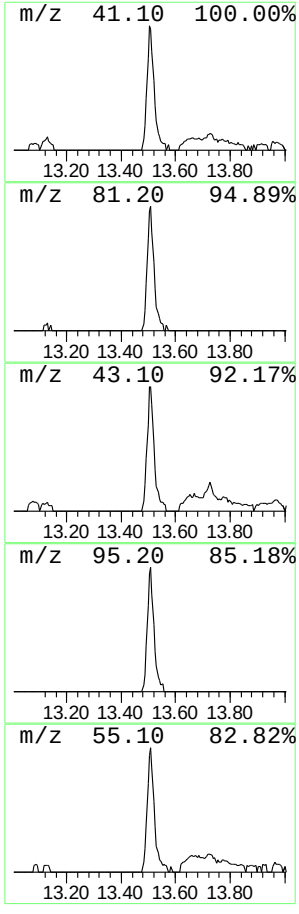
TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Naphthalenepropanol, .alp... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.508	4.03 ug/ml	399572	Phenanthrene-d10	11.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	70
2	1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	003650-30-4	64
3	5-(1-Bromo-1-methyl-ethyl)-2-met...	234	C10H19BrO	1000188-65-7	38
4	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	38
5	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	35





Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13696.D
Acq On : 8 Oct 2009 2:56 pm
Operator : sheilac
Sample : op13205-mb
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :

TIC Library : C:\Database\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Furan, 2,3-dihy...	4.020	15.1	ug/ml	1251080	1	4.726	3307430	40.0
1-Methyl-4-(1-m...	4.041	7.6	ug/ml	625160	1	4.726	3307430	40.0
2,3,3-Trimethyl...	4.127	7.2	ug/ml	593595	1	4.726	3307430	40.0
Decane, 3,3,4-t...	4.239	9.1	ug/ml	748148	1	4.726	3307430	40.0
Oxazole, 4,5-di...	4.255	12.5	ug/ml	1033750	1	4.726	3307430	40.0
2,2,4-Trimethyl...	7.170	17.6	ug/ml	1777570	2	5.940	4050460	40.0
1-Naphthalenepr...	13.508	4.0	ug/ml	399572	4	11.192	3966020	40.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35492.D Vial: 10
Acq On : 20 Oct 2009 2:31 pm Operator: sheilac
Sample : op13269-mb Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:50 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	68270	4.00 ppb	0.00
4) Naphthalene-d8	7.56	136	55893	4.00 ppb	0.00
9) Acenaphthene-d10	9.57	164	51852	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	64250	4.00 ppb	0.00
21) Chrysene-d12	13.87	240	56411	4.00 ppb	0.00
26) Perylene-d12	16.31	264	16361	4.00 ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	223218	49.23 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 984.60%#		
10) 2-Fluorobiphenyl	8.87	172	2092730	66.85 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1337.00%#		
16) 2,4,6-Tribromophenol	10.40	330	377626	113.37 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 1133.70%#		
23) Terphenyl-d14	12.66	244	482194	68.05 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1361.00%#		

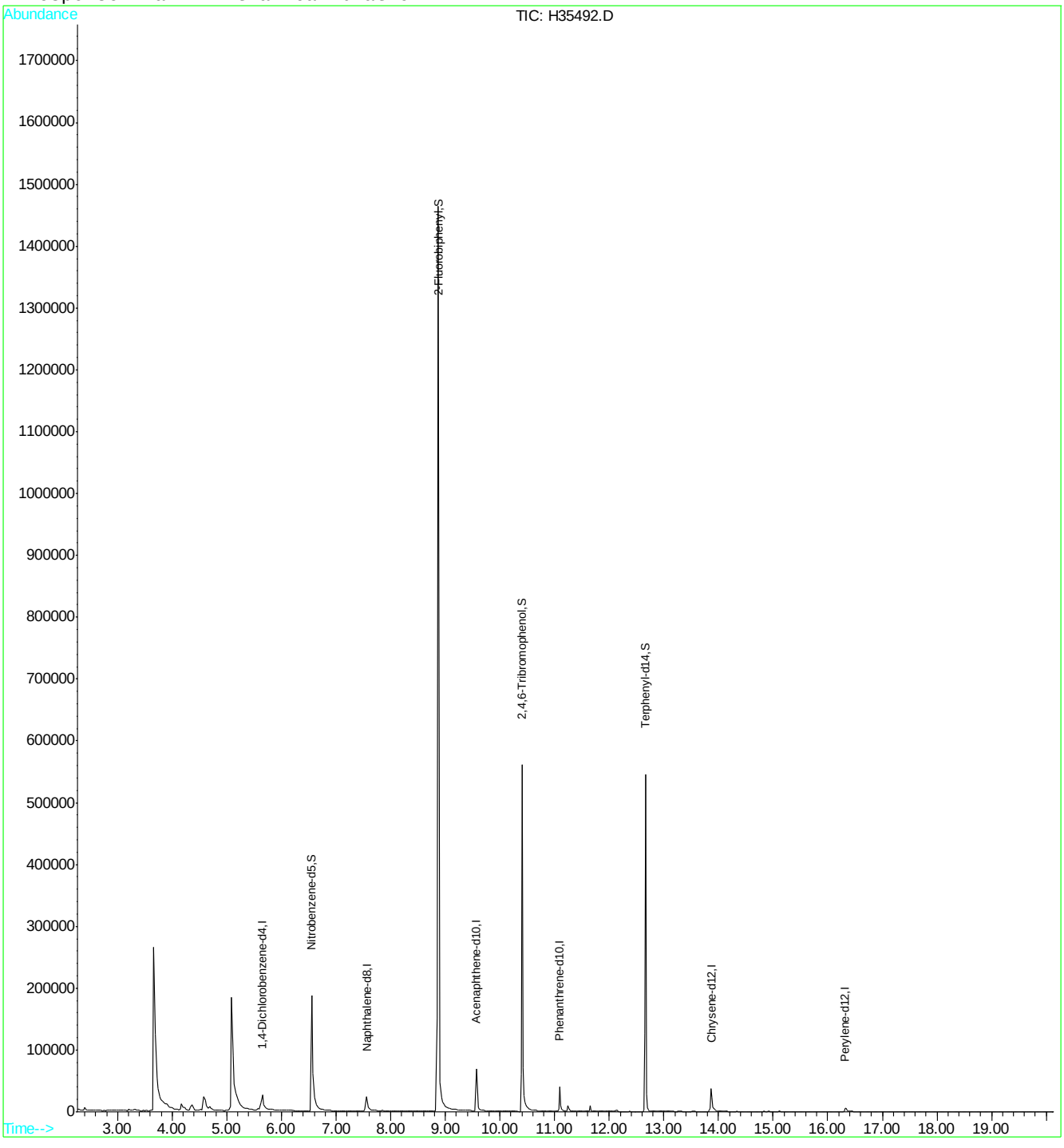
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
H35492.D H10209SP.M Tue Oct 20 14:50:56 2009 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35492.D Vial: 10
Acq On : 20 Oct 2009 2:31 pm Operator: sheilac
Sample : op13269-mb Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:50 2009 Quant Results File: H10209SP.RES

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13700.D
Acq On : 8 Oct 2009 5:27 pm
Operator : sheilac
Sample : op13205-bs,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 17:49:57 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	454964	40.00	ug/ml	0.00
20) Naphthalene-d8	5.945	136	1740342	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.422	164	877510	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.203	188	1302550	40.00	ug/ml	0.00
71) Chrysene-d12	16.734	240	1105612	40.00	ug/ml	0.00
80) Perylene-d12	19.531	264	676957	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.731	112	640123	44.83	ug/ml	0.06
Spiked Amount 100.000	Range 10 - 66		Recovery = 44.83%			
5) Phenol-d5 (SURR)	4.507	99	540337	30.28	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 30.28%			
21) Nitrobenzene-d5 (SURR)	5.229	82	665679	36.47	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery = 72.94%			
40) 2-Fluorobiphenyl (SURR)	7.347	172	1331188	37.44	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 74.88%			
62) 2,4,6-Tribromophenol (...	9.871	330	385776	88.02	ug/ml	-0.09
Spiked Amount 100.000	Range 32 - 128		Recovery = 88.02%			
74) Terphenyl-d14	14.573	244	1176559	44.57	ug/ml	-0.02
Spiked Amount 50.000	Range 12 - 145		Recovery = 89.14%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.474	74	170789	22.33	ug/ml	92
3) Pyridine	2.469	79	93319	6.92	ug/ml	98
6) Phenol	4.517	94	309707	16.04	ug/ml#	83
7) Aniline	4.480	93	408919	19.49	ug/ml	97
8) bis(2-Chloroethyl)ether	4.523	93	600391	31.72	ug/ml	98
9) 2-Chlorophenol	4.587	128	528596	35.29	ug/ml	99
10) 1,3-Dichlorobenzene	4.683	146	463082	27.29	ug/ml	99
11) 1,4-Dichlorobenzene	4.742	146	496915	27.30	ug/ml	98
12) Benzyl Alcohol	4.876	108	291168	27.90	ug/ml	97
13) 1,2-Dichlorobenzene	4.876	146	479471	28.08	ug/ml	99
14) 2-Methylphenol	4.999	108	401579	29.66	ug/ml	99
15) bis(2-chloroisopropyl)...	4.972	45	817836	34.11	ug/ml	98
16) 4-Methylphenol	5.138	108	799110	55.80	ug/ml	99
17) m+p-Cresols	5.138	108	799110	55.80	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.106	70	489662	37.70	ug/ml	100
19) Hexachloroethane	5.170	117	176371	26.55	ug/ml	100
22) Nitrobenzene	5.245	77	642157	35.82	ug/ml	99
23) Isophorone	5.475	82	1164876	35.39	ug/ml	99
24) 2-Nitrophenol	5.550	139	279911	33.96	ug/ml	96
25) 2,4-Dimethylphenol	5.619	122	365950	26.85	ug/ml	98
26) bis(2-Chloroethoxy)met...	5.683	93	625706	34.50	ug/ml	99
27) Benzoic Acid	5.780	105	126529	18.69	ug/ml	93
28) 2,4-Dichlorophenol	5.828	162	406324	33.89	ug/ml	100
29) 1,2,4-Trichlorobenzene	5.881	180	376910	26.13	ug/ml	100
30) Naphthalene	5.967	128	1420156	29.96	ug/ml	98
31) 4-Chloroaniline	6.036	127	434718	26.52	ug/ml	99
32) Hexachlorobutadiene	6.111	225	228936	25.28	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13700.D
Acq On : 8 Oct 2009 5:27 pm
Operator : sheilac
Sample : op13205-bs,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 17:49:57 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

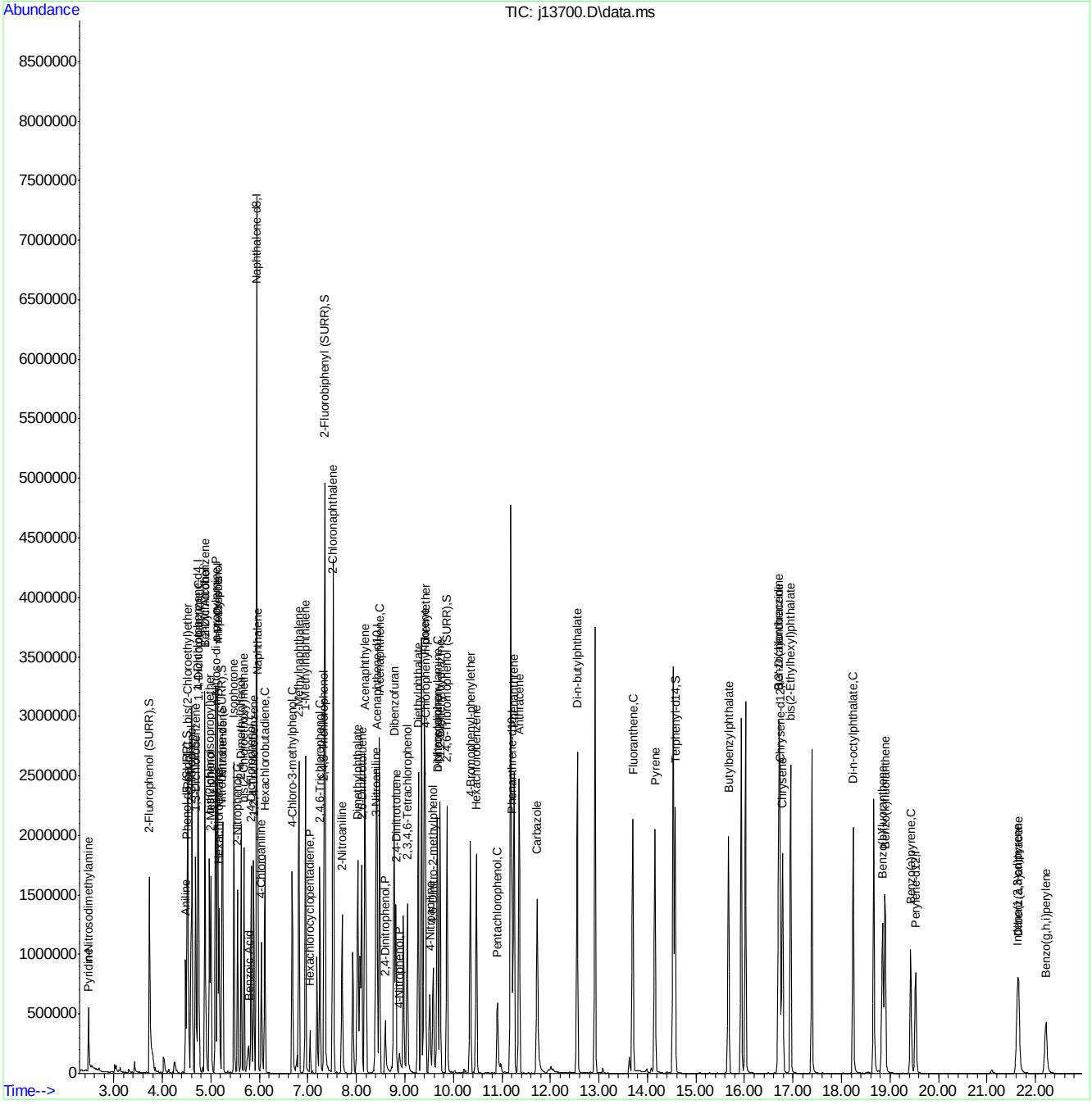
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.673	107	484389	35.77	ug/ml	99
34) 2-Methylnaphthalene	6.817	142	942899	32.56	ug/ml	99
35) 1-Methylnaphthalene	6.951	142	934165	30.80	ug/ml	99
37) Hexachlorocyclopentadiene	7.047	237	62648	21.66	ug/ml	97
38) 2,4,6-Trichlorophenol	7.245	196	297540	40.63	ug/ml	100
39) 2,4,5-Trichlorophenol	7.331	196	328266	38.34	ug/ml	100
41) 2-Chloronaphthalene	7.518	162	928725	37.88	ug/ml	97
42) 2-Nitroaniline	7.705	65	379391	46.02	ug/ml	98
43) Dimethylphthalate	8.031	163	1319119	44.76	ug/ml	100
44) Acenaphthylene	8.176	152	1653394	39.79	ug/ml	100
45) 2,6-Dinitrotoluene	8.112	165	298350	43.03	ug/ml#	81
46) 3-Nitroaniline	8.400	138	257137	40.27	ug/ml	96
47) Acenaphthene	8.475	154	959210	39.29	ug/ml	100
48) 2,4-Dinitrophenol	8.593	184	110821	49.49	ug/ml	95
49) 4-Nitrophenol	8.882	65	65680	18.42	ug/ml#	85
50) Dibenzofuran	8.780	168	1444280	41.41	ug/ml	99
51) 2,4-Dinitrotoluene	8.818	165	390025	46.97	ug/ml	88
52) 2,3,4,6-Tetrachlorophenol	9.048	232	268977	41.68	ug/ml	99
53) Diethylphthalate	9.278	149	1447244	47.34	ug/ml	99
54) Fluorene	9.401	166	1256513	41.34	ug/ml	99
55) 4-Chlorophenyl-phenyle...	9.422	204	603678	39.01	ug/ml	98
56) 4-Nitroaniline	9.513	138	214467	43.21	ug/ml	93
58) 1,2-Diphenylhydrazine	9.727	77	1410875	42.59	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.582	198	188055	45.09	ug/ml	98
60) Diphenylamine	9.668	169	896251	36.77	ug/ml	100
61) n-Nitrosodiphenylamine	9.668	169	896251	36.77	ug/ml	100
63) 4-Bromophenyl-phenylether	10.353	248	347872	42.31	ug/ml	98
64) Hexachlorobenzene	10.476	284	391143	43.66	ug/ml	97
65) Pentachlorophenol	10.904	266	138707	45.65	ug/ml	96
66) Phenanthrene	11.251	178	1672934	43.11	ug/ml	100
67) Anthracene	11.353	178	1657847	44.37	ug/ml	100
68) Carbazole	11.727	167	1337339	44.45	ug/ml	99
69) Di-n-butylphthalate	12.556	149	2188629	46.96	ug/ml	99
70) Fluoranthene	13.701	202	1697028	48.23	ug/ml	98
73) Pyrene	14.156	202	1641244	42.13	ug/ml	100
75) Butylbenzylphthalate	15.675	149	793587	45.74	ug/ml	100
76) Benzo(a)anthracene	16.712	228	1475320	47.43	ug/ml	100
77) 3,3'-Dichlorobenzidine	16.712	252	307868	40.39	ug/ml	98
78) Chrysene	16.787	228	1288075	49.13	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.953	149	1078506	46.26	ug/ml	98
81) Di-n-octylphthalate	18.242	149	1580263	48.74	ug/ml#	97
82) Benzo(b)fluoranthene	18.846	252	1123016	50.20	ug/ml	99
83) Benzo(k)fluoranthene	18.900	252	1115634	54.60	ug/ml	100
84) Benzo(a)pyrene	19.429	252	853897	44.71	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.628	276	804920	49.98	ug/ml	97
86) Dibenz(a,h)anthracene	21.654	278	672944	50.34	ug/ml	96
87) Benzo(g,h,i)perylene	22.216	276	610279	50.16	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13700.D
Acq On : 8 Oct 2009 5:27 pm
Operator : sheilac
Sample : op13205-bs,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 17:49:57 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13701.D
Acq On : 8 Oct 2009 5:59 pm
Operator : sheilac
Sample : op13205-bsd,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 18:21:31 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	438473	40.00	ug/ml	0.00
20) Naphthalene-d8	5.945	136	1661982	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.416	164	824481	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.203	188	1191468	40.00	ug/ml	0.00
71) Chrysene-d12	16.728	240	852177	40.00	ug/ml	0.00
80) Perylene-d12	19.526	264	530098	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.731	112	618326	44.94	ug/ml	0.06
Spiked Amount 100.000	Range 10 - 66		Recovery = 44.94%			
5) Phenol-d5 (SURR)	4.507	99	520626	30.27	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 30.27%			
21) Nitrobenzene-d5 (SURR)	5.229	82	641671	36.82	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery = 73.64%			
40) 2-Fluorobiphenyl (SURR)	7.347	172	1266602	37.91	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 75.82%			
62) 2,4,6-Tribromophenol (...	9.871	330	361406	90.15	ug/ml	-0.09
Spiked Amount 100.000	Range 32 - 128		Recovery = 90.15%			
74) Terphenyl-d14	14.567	244	976641	48.00	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery = 96.00%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.474	74	152962	20.76	ug/ml	91
3) Pyridine	2.463	79	90907	6.99	ug/ml	100
6) Phenol	4.517	94	299242	16.08	ug/ml#	81
7) Aniline	4.480	93	394951	19.53	ug/ml	96
8) bis(2-Chloroethyl)ether	4.523	93	579029	31.74	ug/ml	98
9) 2-Chlorophenol	4.587	128	511811	35.45	ug/ml	99
10) 1,3-Dichlorobenzene	4.683	146	450251	27.53	ug/ml	98
11) 1,4-Dichlorobenzene	4.742	146	478507	27.27	ug/ml	99
12) Benzyl Alcohol	4.876	108	282862	28.12	ug/ml	97
13) 1,2-Dichlorobenzene	4.876	146	462375	28.09	ug/ml	99
14) 2-Methylphenol	4.999	108	387113	29.67	ug/ml	99
15) bis(2-chloroisopropyl)...	4.972	45	781431	33.82	ug/ml	98
16) 4-Methylphenol	5.138	108	774008	56.08	ug/ml	98
17) m+p-Cresols	5.138	108	774008	56.08	ug/ml	98
18) n-Nitroso-di-n-propyla...	5.100	70	468042	37.39	ug/ml	100
19) Hexachloroethane	5.170	117	170424	26.62	ug/ml	100
22) Nitrobenzene	5.245	77	619976	36.22	ug/ml	99
23) Isophorone	5.475	82	1110751	35.34	ug/ml	100
24) 2-Nitrophenol	5.550	139	276977	35.19	ug/ml	98
25) 2,4-Dimethylphenol	5.619	122	348891	26.81	ug/ml	97
26) bis(2-Chloroethoxy)met...	5.683	93	602476	34.78	ug/ml	100
27) Benzoic Acid	5.774	105	124030	19.19	ug/ml	95
28) 2,4-Dichlorophenol	5.828	162	394395	34.45	ug/ml	98
29) 1,2,4-Trichlorobenzene	5.881	180	363215	26.37	ug/ml	99
30) Naphthalene	5.967	128	1368818	30.24	ug/ml	98
31) 4-Chloroaniline	6.036	127	420450	26.82	ug/ml	99
32) Hexachlorobutadiene	6.111	225	221256	25.58	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13701.D
Acq On : 8 Oct 2009 5:59 pm
Operator : sheilac
Sample : op13205-bsd,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 18:21:31 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

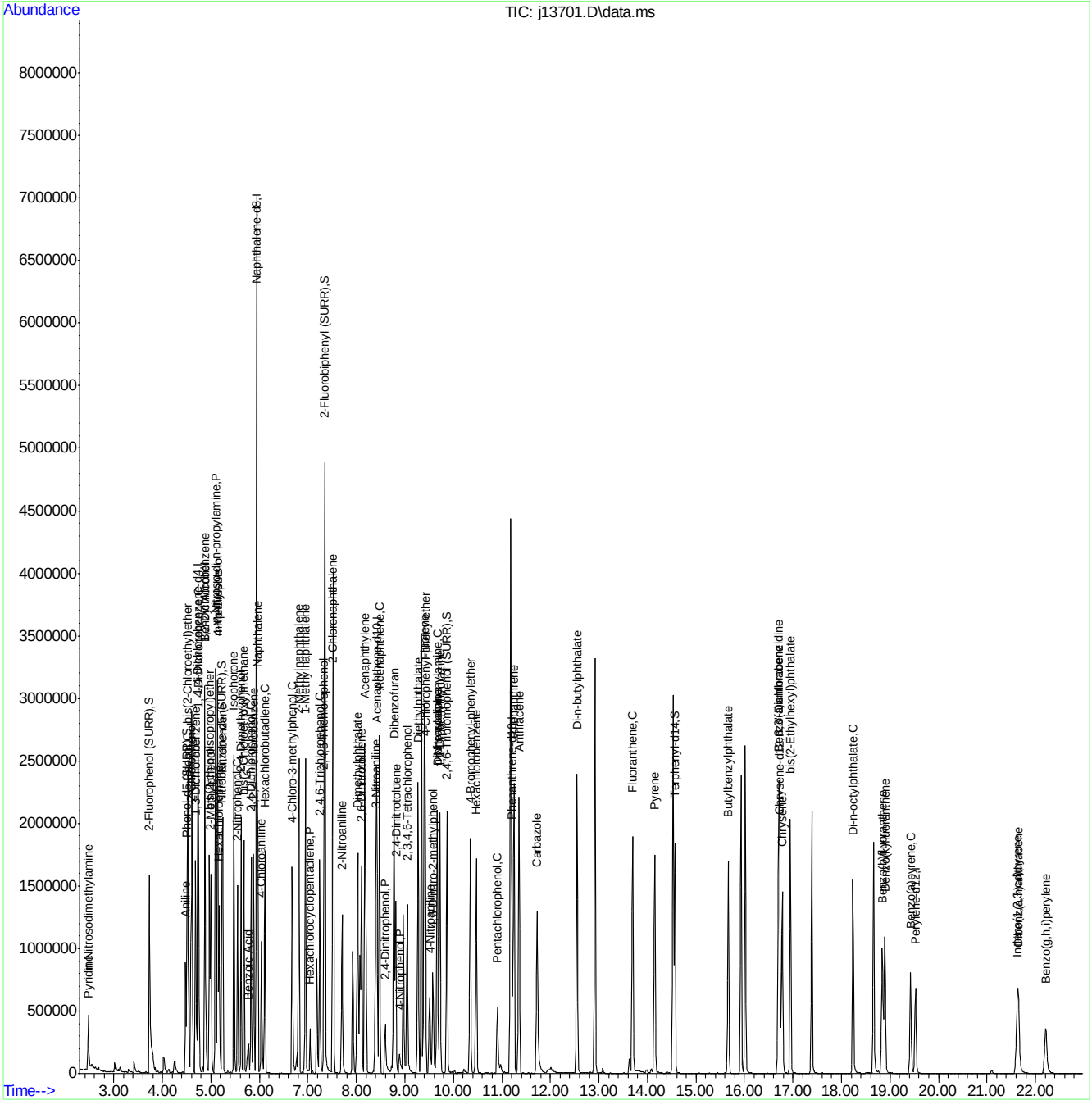
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.673	107	462854	35.80	ug/ml	99
34) 2-Methylnaphthalene	6.812	142	902718	32.64	ug/ml	100
35) 1-Methylnaphthalene	6.951	142	891752	30.79	ug/ml	99
37) Hexachlorocyclopentadiene	7.047	237	64092	23.01	ug/ml	95
38) 2,4,6-Trichlorophenol	7.245	196	282477	41.06	ug/ml	99
39) 2,4,5-Trichlorophenol	7.331	196	311917	38.73	ug/ml	97
41) 2-Chloronaphthalene	7.513	162	885741	38.45	ug/ml	98
42) 2-Nitroaniline	7.705	65	360132	46.50	ug/ml	99
43) Dimethylphthalate	8.026	163	1236795	44.67	ug/ml	100
44) Acenaphthylene	8.176	152	1580396	40.48	ug/ml	100
45) 2,6-Dinitrotoluene	8.106	165	279486	42.90	ug/ml#	81
46) 3-Nitroaniline	8.400	138	244418	40.70	ug/ml	97
47) Acenaphthene	8.475	154	906906	39.53	ug/ml	100
48) 2,4-Dinitrophenol	8.593	184	100099	48.01	ug/ml	92
49) 4-Nitrophenol	8.887	65	58016	17.51	ug/ml	86
50) Dibenzofuran	8.775	168	1374388	41.94	ug/ml	99
51) 2,4-Dinitrotoluene	8.812	165	363016	46.53	ug/ml	88
52) 2,3,4,6-Tetrachlorophenol	9.048	232	254522	41.96	ug/ml	99
53) Diethylphthalate	9.278	149	1340931	46.68	ug/ml	99
54) Fluorene	9.401	166	1177591	41.23	ug/ml	99
55) 4-Chlorophenyl-phenyle...	9.422	204	564988	38.87	ug/ml	99
56) 4-Nitroaniline	9.513	138	194599	41.73	ug/ml	93
58) 1,2-Diphenylhydrazine	9.727	77	1321419	43.61	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.577	198	173289	45.38	ug/ml	98
60) Diphenylamine	9.668	169	843463	37.83	ug/ml	100
61) n-Nitrosodiphenylamine	9.668	169	843463	37.83	ug/ml	100
63) 4-Bromophenyl-phenylether	10.353	248	325833	43.32	ug/ml	98
64) Hexachlorobenzene	10.470	284	364178	44.44	ug/ml	98
65) Pentachlorophenol	10.904	266	117093	43.03	ug/ml	99
66) Phenanthrene	11.251	178	1543238	43.47	ug/ml	99
67) Anthracene	11.353	178	1513601	44.28	ug/ml	100
68) Carbazole	11.727	167	1210012	43.97	ug/ml	99
69) Di-n-butylphthalate	12.551	149	1935911	45.41	ug/ml	99
70) Fluoranthene	13.696	202	1453977	45.18	ug/ml	98
73) Pyrene	14.150	202	1391952	46.36	ug/ml	100
75) Butylbenzylphthalate	15.669	149	637211	47.65	ug/ml	100
76) Benzo(a)anthracene	16.707	228	1126972	47.01	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.712	252	226820	38.60	ug/ml	98
78) Chrysene	16.782	228	992448	49.11	ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.948	149	842653	46.90	ug/ml	98
81) Di-n-octylphthalate	18.237	149	1211672	47.73	ug/ml#	97
82) Benzo(b)fluoranthene	18.841	252	856133	48.87	ug/ml	100
83) Benzo(k)fluoranthene	18.894	252	853330	53.33	ug/ml	99
84) Benzo(a)pyrene	19.424	252	668134	44.67	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.622	276	660372	52.36	ug/ml	96
86) Dibenz(a,h)anthracene	21.649	278	557219	53.23	ug/ml	96
87) Benzo(g,h,i)perylene	22.211	276	507926	53.31	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13701.D
Acq On : 8 Oct 2009 5:59 pm
Operator : sheilac
Sample : op13205-bsd,(8270)
Misc : op13205,Ej629,1000,,,1,1,water
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 18:21:31 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35493.D Vial: 11
Acq On : 20 Oct 2009 2:57 pm Operator: sheilac
Sample : op13269-bs Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:41 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	70796	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	52004	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	57183	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	65243	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	63524	4.00	ppb	0.00
26) Perylene-d12	16.31	264	18127	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	10939	2.59	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	51.80%	
10) 2-Fluorobiphenyl	8.87	172	118125	3.42	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	68.40%	
16) 2,4,6-Tribromophenol	10.40	330	23778	7.03	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	70.30%	
23) Terphenyl-d14	12.66	244	28138	3.53	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	70.60%	

Target Compounds

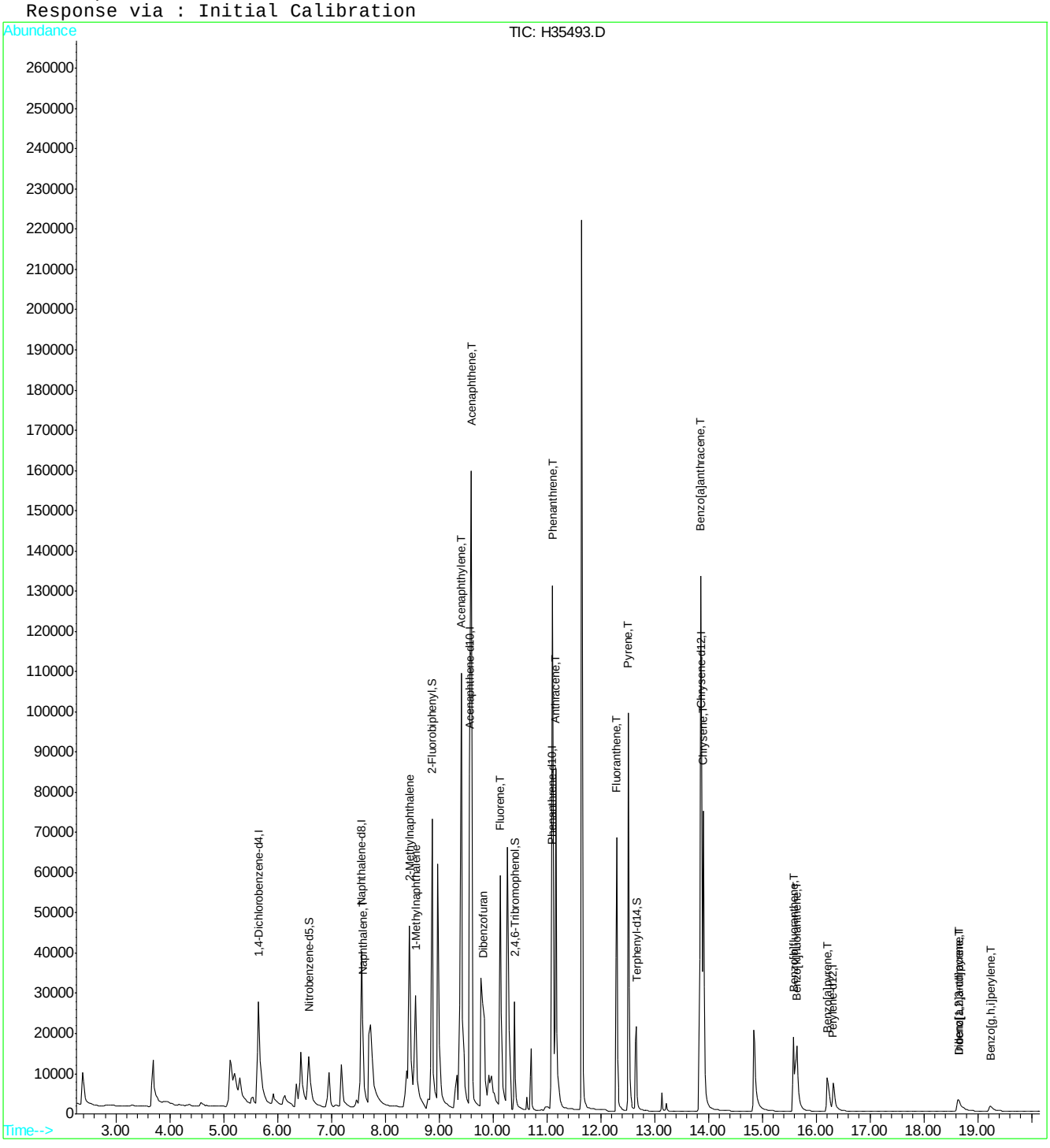
							Qvalue
6) Naphthalene	7.59	128	45058	2.13	ppb		95
7) 2-Methylnaphthalene	8.45	142	63474m	2.85	ppb		
8) 1-Methylnaphthalene	8.56	142	59723	2.53	ppb	#	97
11) Acenaphthylene	9.41	152	146890	3.28	ppb		99
12) Acenaphthene	9.60	153	102617	3.01	ppb		96
13) Dibenzofuran	9.81	168	68046	2.66	ppb		92
14) Fluorene	10.13	166	49282	2.67	ppb		93
18) Phenanthrene	11.11	178	131701	3.74	ppb		99
19) Anthracene	11.17	178	100806	2.71	ppb		96
20) Fluoranthene	12.29	202	114038	3.24	ppb		99
22) Pyrene	12.51	202	131340	3.65	ppb		100
24) Benzo[a]anthracene	13.85	228	88751	3.82	ppb		99
25) Chrysene	13.90	228	80376	3.48	ppb		100
27) Benzo[b]fluoranthene	15.59	252	29534	3.61	ppb		100
28) Benzo[k]fluoranthene	15.64	252	43788m	4.49	ppb		
29) Benzo[a]pyrene	16.21	252	23323	3.27	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.65	276	8408	3.42	ppb		100
31) Dibenz[a,h]anthracene	18.65	278	5746	3.58	ppb		96
32) Benzo[g,h,i]perylene	19.24	276	6045	3.43	ppb		99

(#) = qualifier out of range (m) = manual integration
H35493.D H10209SP.M Tue Oct 20 17:09:22 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35493.D Vial: 11
Acq On : 20 Oct 2009 2:57 pm Operator: sheilac
Sample : op13269-bs Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:41 2009 Quant Results File: H10209SP.RES

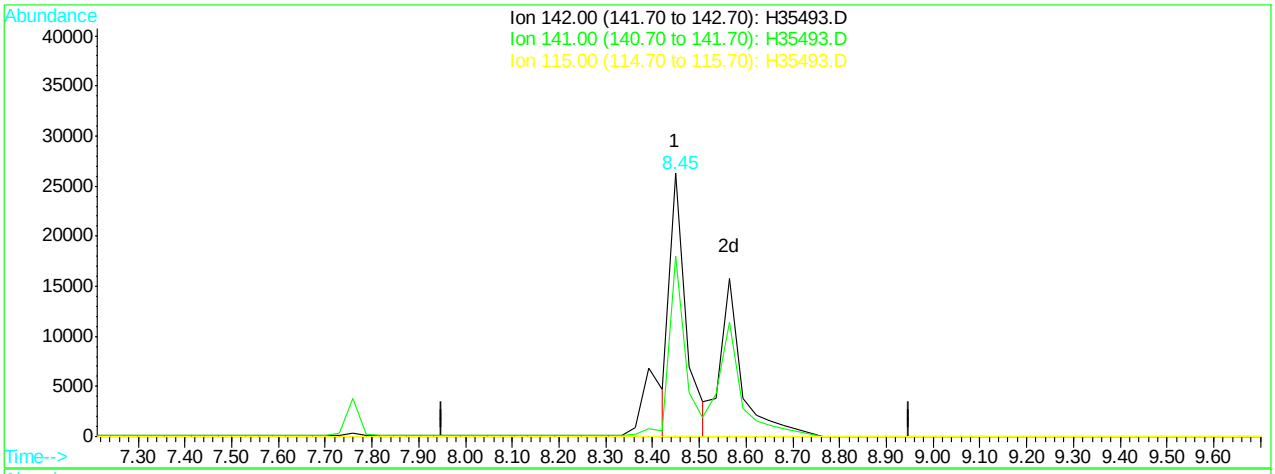
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Initial Calibration

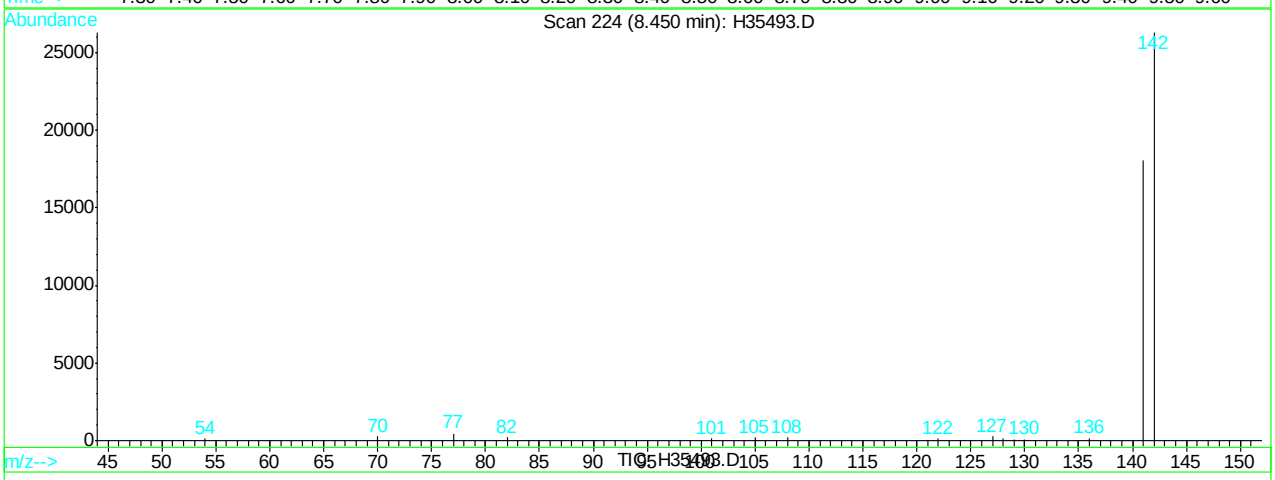


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35493.D Vial: 11
Acq On : 20 Oct 2009 2:57 pm Operator: sheilac
Sample : op13269-bs Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:41 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.85ppb m

response 63474

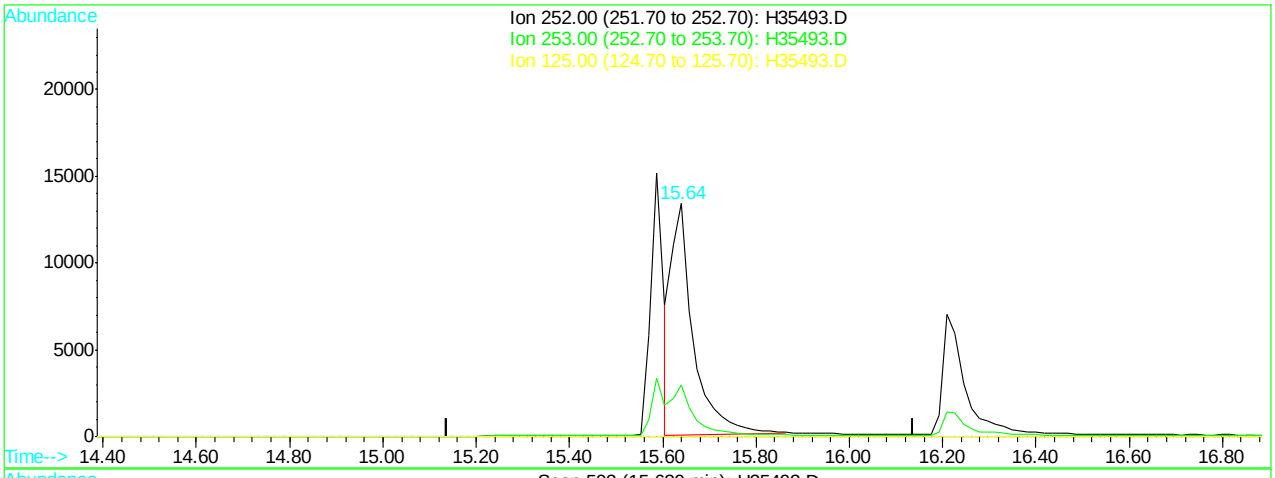
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	69.71
115.00	0.00	0.00
0.00	0.00	0.00

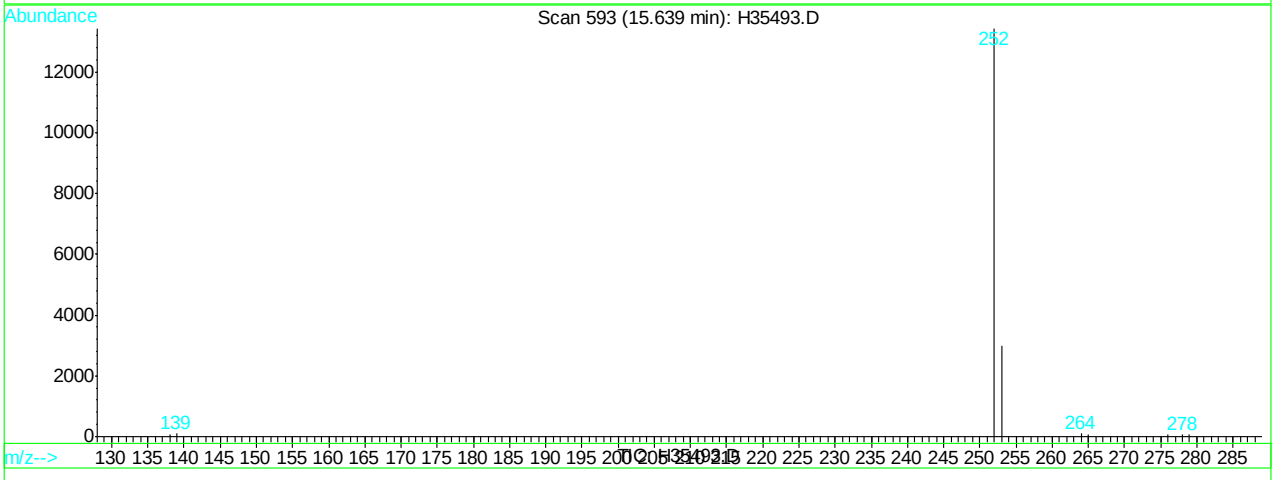
H35493.D H10209SP.M Tue Oct 20 17:09:41 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35493.D Vial: 11
Acq On : 20 Oct 2009 2:57 pm Operator: sheilac
Sample : op13269-bs Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:41 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 4.49ppb m

response 43788

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.25
125.00	0.00	0.00
0.00	0.00	0.00

H35493.D H10209SP.M Tue Oct 20 17:09:45 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35494.D Vial: 12
Acq On : 20 Oct 2009 3:28 pm Operator: sheilac
Sample : op13269-bsd Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:43 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	67631	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	50168	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	58468	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	63719	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	61836	4.00	ppb	0.00
26) Perylene-d12	16.31	264	18470	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	9799	2.41	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	48.20%	
10) 2-Fluorobiphenyl	8.87	172	123338	3.49	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	69.80%	
16) 2,4,6-Tribromophenol	10.40	330	24098	7.30	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	73.00%	
23) Terphenyl-d14	12.66	244	28154	3.62	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	72.40%	

Target Compounds

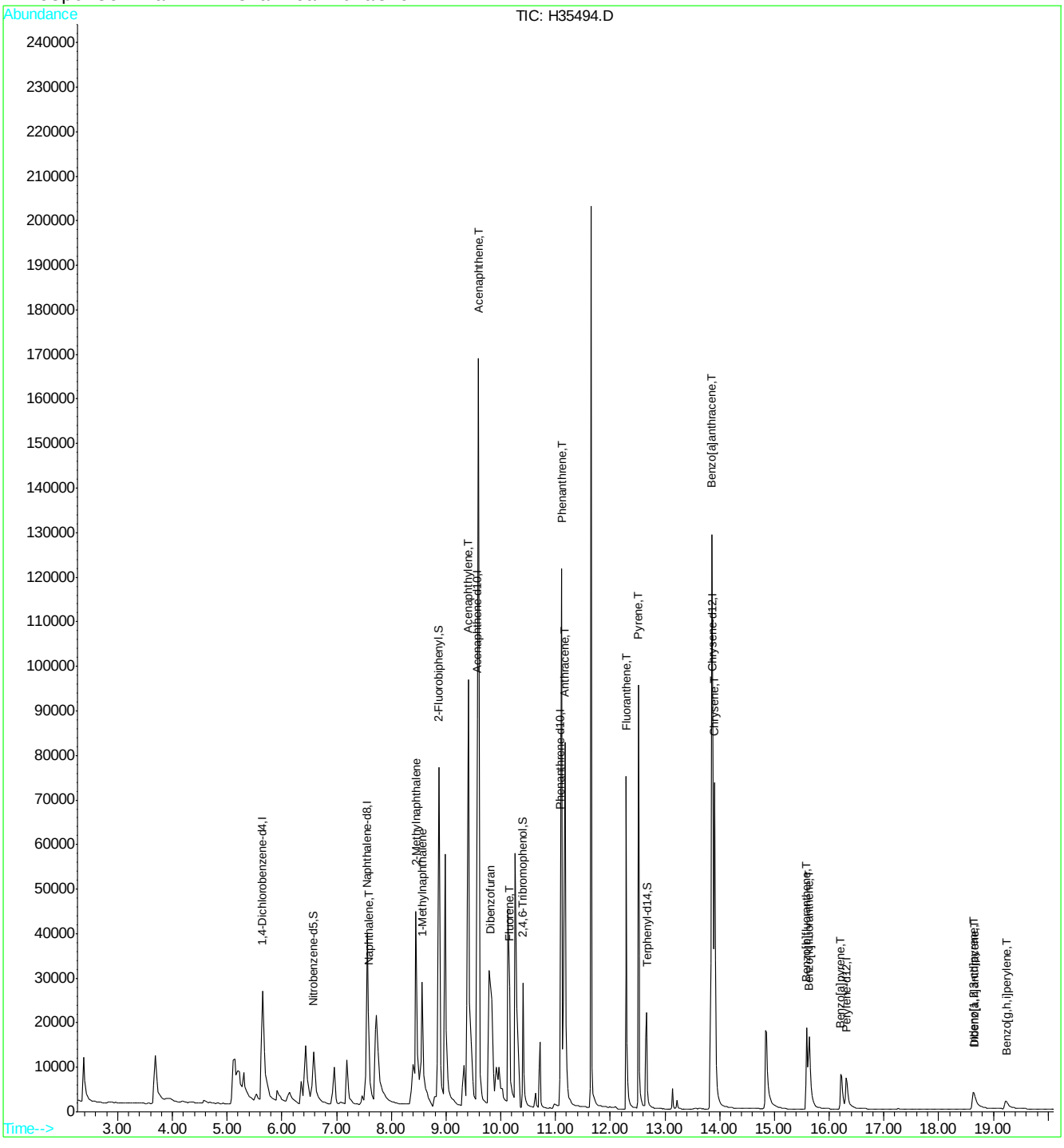
							Qvalue
6) Naphthalene	7.59	128	44865	2.20	ppb		94
7) 2-Methylnaphthalene	8.45	142	61020m	2.84	ppb		
8) 1-Methylnaphthalene	8.57	142	59092	2.60	ppb	#	96
11) Acenaphthylene	9.41	152	131765	2.88	ppb		97
12) Acenaphthene	9.59	153	109633	3.14	ppb		90
13) Dibenzofuran	9.81	168	67425	2.57	ppb		88
14) Fluorene	10.16	166	42973	2.25	ppb	#	47
18) Phenanthrene	11.11	178	128308	3.73	ppb		98
19) Anthracene	11.17	178	97844	2.70	ppb		95
20) Fluoranthene	12.29	202	115247	3.35	ppb		100
22) Pyrene	12.51	202	130141	3.72	ppb		98
24) Benzo[a]anthracene	13.85	228	85562	3.79	ppb		98
25) Chrysene	13.90	228	81149	3.61	ppb		100
27) Benzo[b]fluoranthene	15.59	252	28355m	3.44	ppb		
28) Benzo[k]fluoranthene	15.64	252	44920m	4.53	ppb		
29) Benzo[a]pyrene	16.21	252	23175	3.19	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.63	276	10319	4.06	ppb		94
31) Dibenz[a,h]anthracene	18.65	278	7117	4.25	ppb		96
32) Benzo[g,h,i]perylene	19.24	276	7975	4.34	ppb		97

(#) = qualifier out of range (m) = manual integration
H35494.D H10209SP.M Tue Oct 20 17:09:52 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35494.D Vial: 12
Acq On : 20 Oct 2009 3:28 pm Operator: sheilac
Sample : op13269-bsd Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:43 2009 Quant Results File: H10209SP.RES

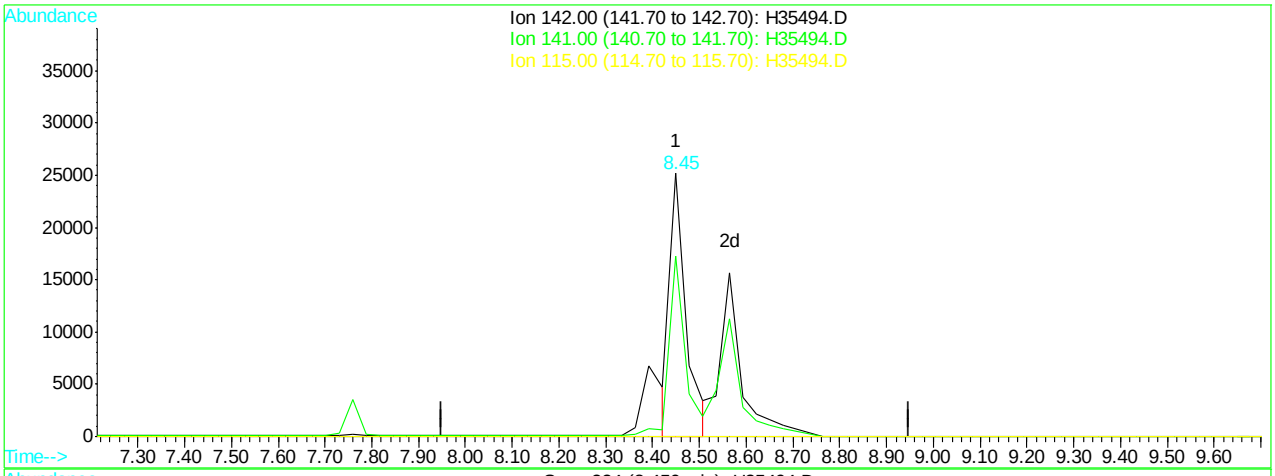
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Initial Calibration

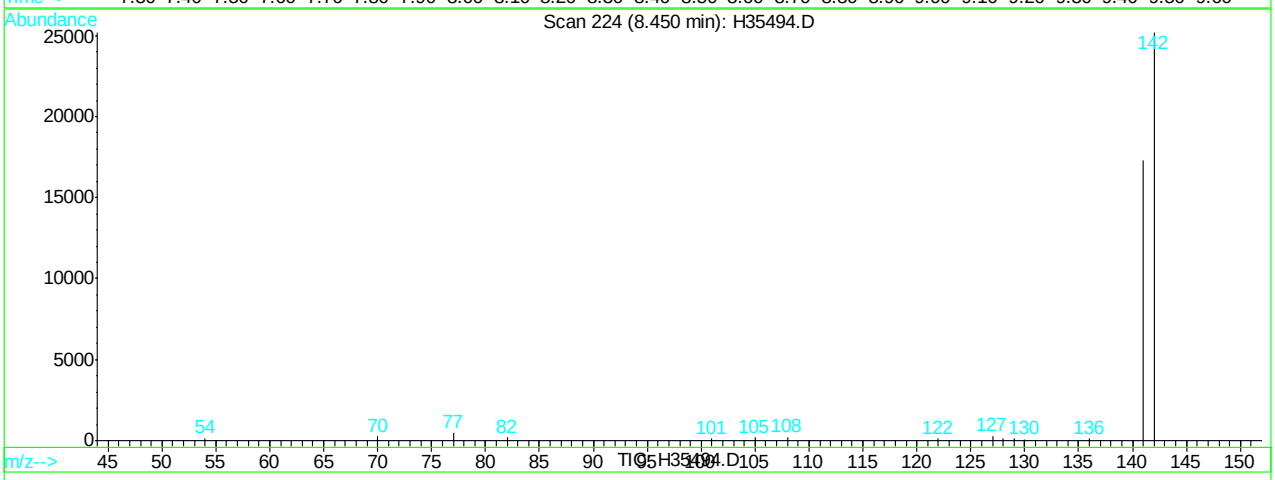


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35494.D Vial: 12
Acq On : 20 Oct 2009 3:28 pm Operator: sheilac
Sample : op13269-bsd Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.84ppb m

response 61020

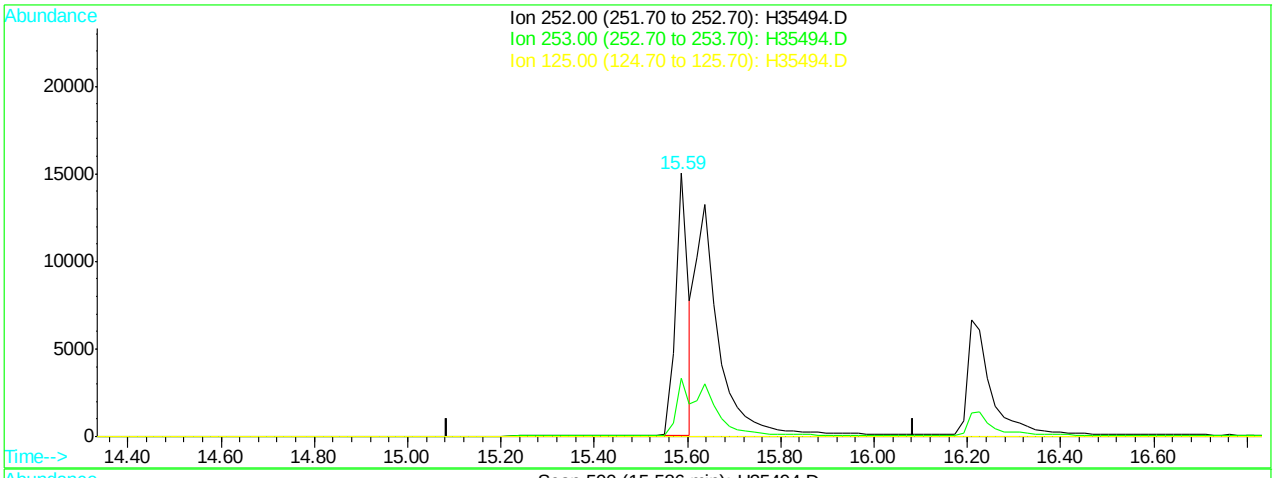
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	69.76
115.00	0.00	0.00
0.00	0.00	0.00

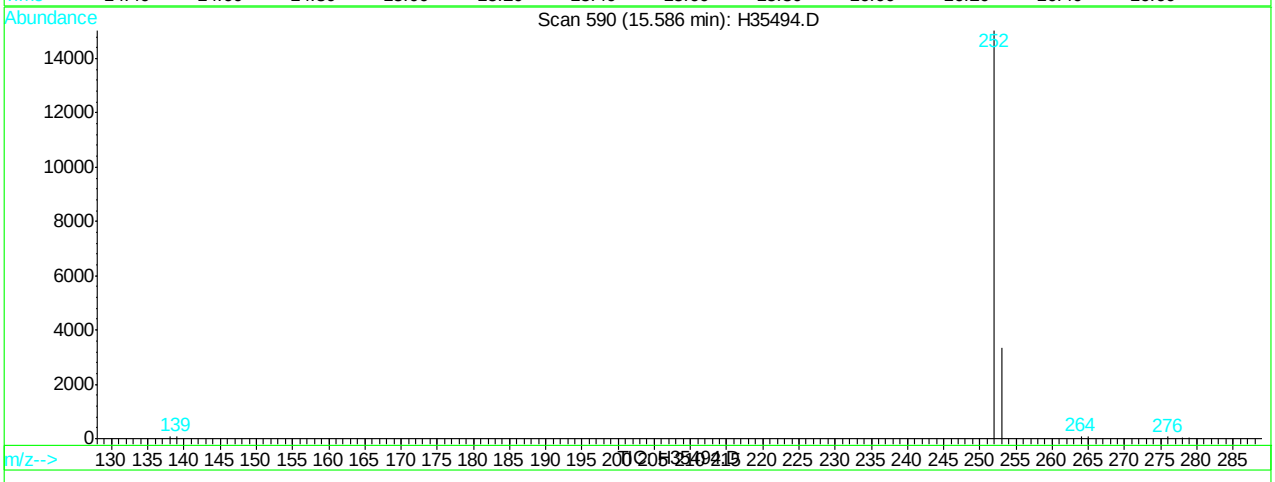
H35494.D H10209SP.M Tue Oct 20 17:10:04 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35494.D Vial: 12
Acq On : 20 Oct 2009 3:28 pm Operator: sheilac
Sample : op13269-bsd Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.59min 3.44ppb m

response 28355

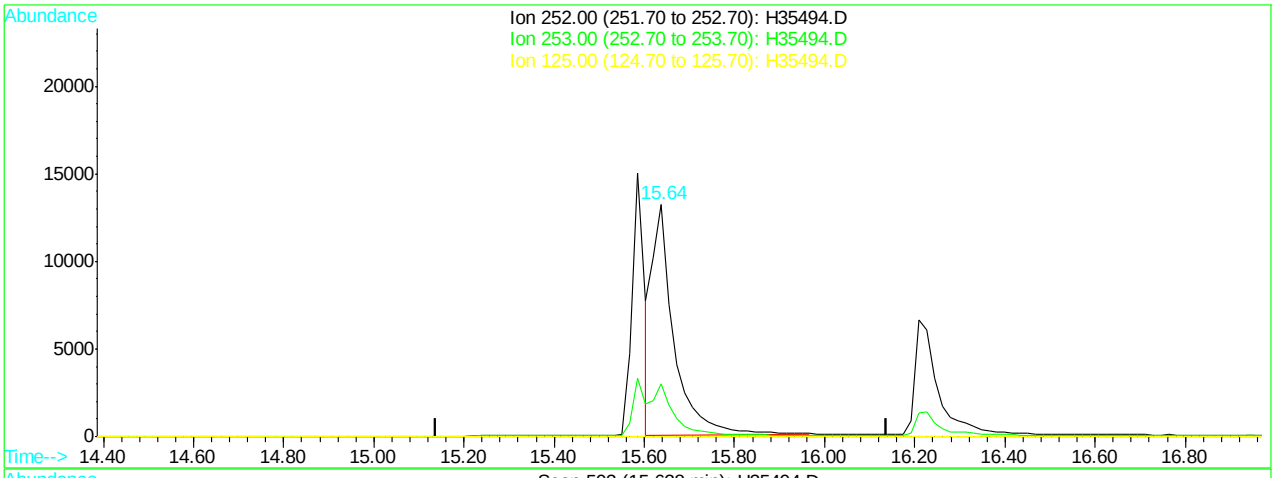
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.32
125.00	0.00	0.00
0.00	0.00	0.00

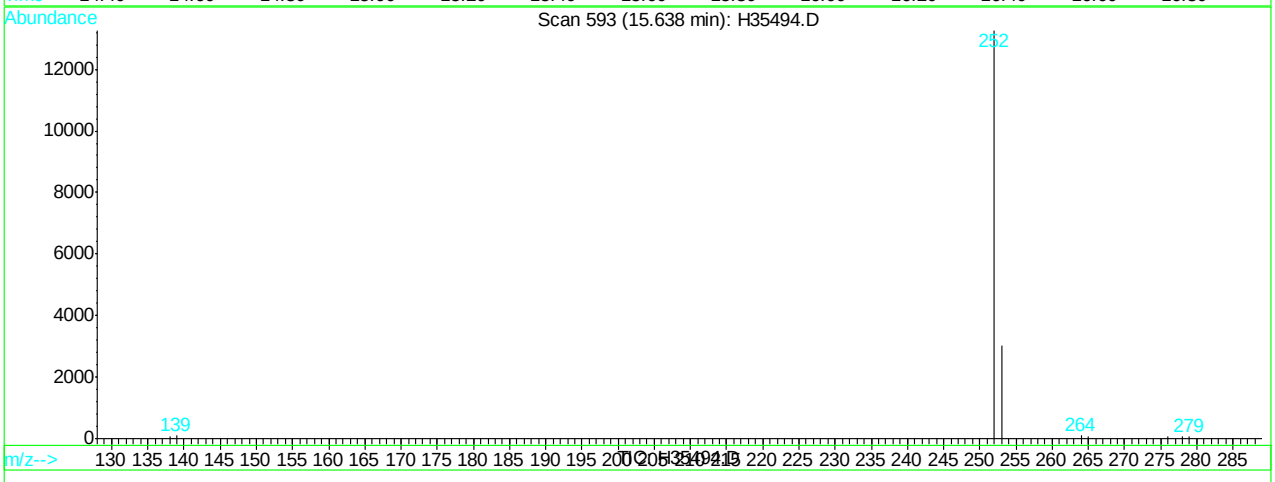
H35494.D H10209SP.M Tue Oct 20 17:10:12 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35494.D Vial: 12
Acq On : 20 Oct 2009 3:28 pm Operator: sheilac
Sample : op13269-bsd Inst : TXMSH
Misc : OP13269,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 16:31:44 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 4.53ppb m

response 44920

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.70
125.00	0.00	0.00
0.00	0.00	0.00

H35494.D H10209SP.M Tue Oct 20 17:10:15 2009

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13713.D
Acq On : 8 Oct 2009 11:57 pm
Operator : sheilac
Sample : op13205-ms
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 09:26:29 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	623859	40.00	ug/ml	0.00
20) Naphthalene-d8	5.945	136	2134327	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.416	164	1117983	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.198	188	1454233	40.00	ug/ml	0.00
71) Chrysene-d12	16.723	240	975258	40.00	ug/ml	-0.01
80) Perylene-d12	19.526	264	602311	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.726	112	1155398	59.02	ug/ml	0.05
Spiked Amount 100.000	Range 10 - 66		Recovery	=	59.02%	
5) Phenol-d5 (SURR)	4.501	99	1242677	50.79	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery	=	50.79%	
21) Nitrobenzene-d5 (SURR)	5.229	82	805413	35.98	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery	=	71.96%	
40) 2-Fluorobiphenyl (SURR)	7.347	172	1513598	33.50	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery	=	67.00%	
62) 2,4,6-Tribromophenol (...	9.866	330	403862	82.54	ug/ml	-0.10
Spiked Amount 100.000	Range 32 - 128		Recovery	=	82.54%	
74) Terphenyl-d14	14.567	244	1104372	47.42	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery	=	94.84%	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.479	74	362513	34.57	ug/ml	94
3) Pyridine	2.474	79	96571	5.22	ug/ml	99
6) Phenol	4.512	94	654676	24.72	ug/ml	96
7) Aniline	4.480	93	281818	10.99	ug/ml	90
8) bis(2-Chloroethyl)ether	4.523	93	696877	26.85	ug/ml	92
9) 2-Chlorophenol	4.587	128	648267	31.56	ug/ml	99
10) 1,3-Dichlorobenzene	4.683	146	619582	26.63	ug/ml	99
11) 1,4-Dichlorobenzene	4.742	146	665502	26.66	ug/ml	99
12) Benzyl Alcohol	4.876	108	450101	31.45	ug/ml	97
13) 1,2-Dichlorobenzene	4.876	146	639961	27.33	ug/ml	99
14) 2-Methylphenol	5.138	108	1251885	67.44	ug/ml	82
15) bis(2-chloroisopropyl)...	4.972	45	973481	29.61	ug/ml#	72
16) 4-Methylphenol	5.138	108	1284007	65.39	ug/ml	98
17) m+p-Cresols	5.138	108	1284007	65.39	ug/ml	98
18) n-Nitroso-di-n-propyla...	5.106	70	568662	31.93	ug/ml	99
19) Hexachloroethane	5.170	117	240499	26.40	ug/ml	99
22) Nitrobenzene	5.245	77	769637	35.01	ug/ml	99
23) Isophorone	5.475	82	1344556	33.31	ug/ml	100
24) 2-Nitrophenol	5.550	139	334913	33.14	ug/ml	97
25) 2,4-Dimethylphenol	5.619	122	538557	32.22	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.683	93	756912	34.03	ug/ml	100
27) Benzoic Acid	5.806	105	289942	34.93	ug/ml	96
28) 2,4-Dichlorophenol	5.828	162	494100	33.61	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.881	180	486950	27.53	ug/ml	99
30) Naphthalene	5.967	128	1760813	30.29	ug/ml	100
31) 4-Chloroaniline	6.036	127	245681	13.82	ug/ml	97
32) Hexachlorobutadiene	6.111	225	308991	27.82	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13713.D
Acq On : 8 Oct 2009 11:57 pm
Operator : sheilac
Sample : op13205-ms
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 09:26:29 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

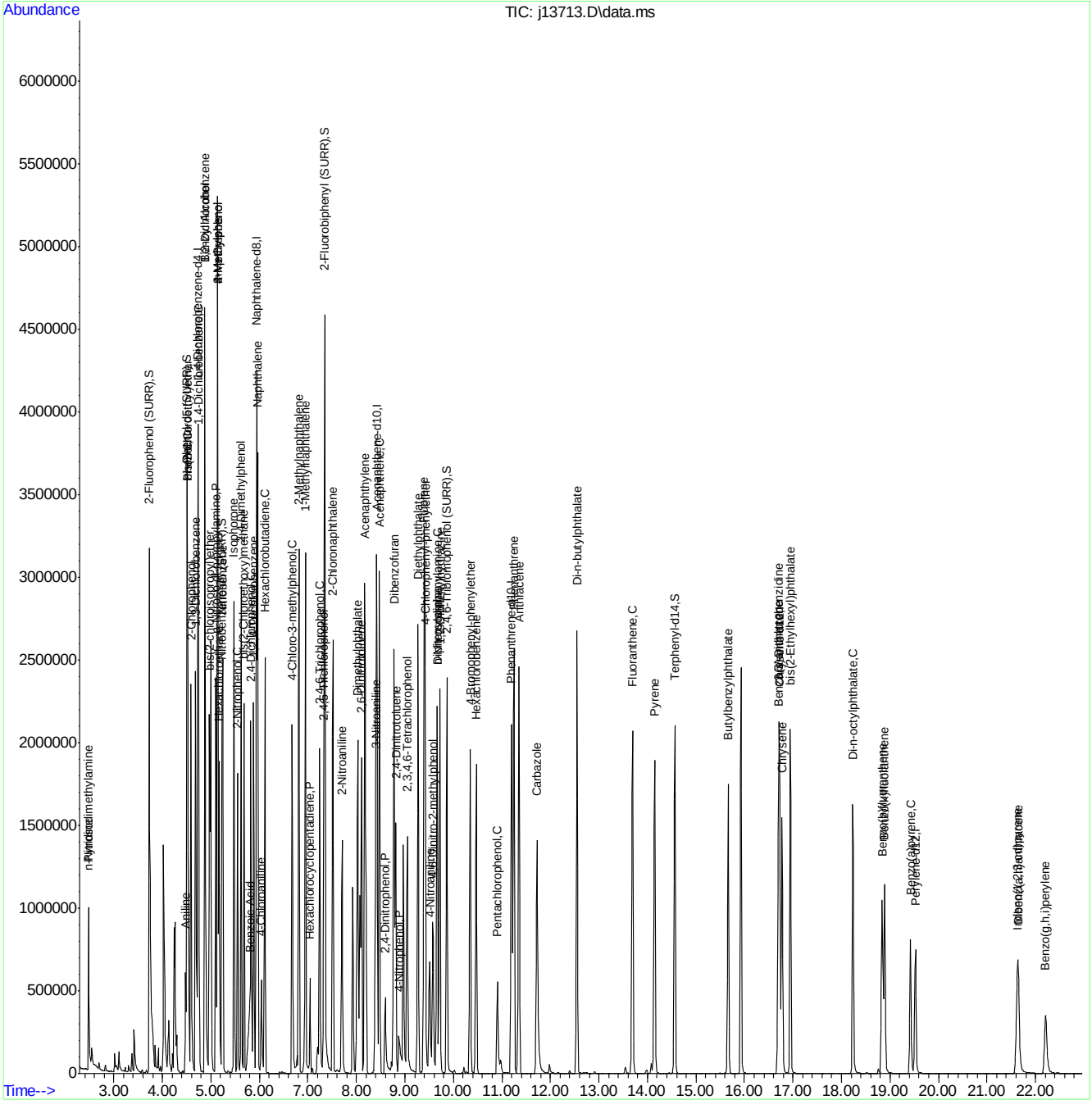
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.673	107	563546	33.94 ug/ml	99
34) 2-Methylnaphthalene	6.812	142	1132189	31.88 ug/ml	99
35) 1-Methylnaphthalene	6.951	142	1106293	29.74 ug/ml	99
37) Hexachlorocyclopentadiene	7.047	237	97177	24.94 ug/ml	95
38) 2,4,6-Trichlorophenol	7.245	196	329019	35.27 ug/ml	99
39) 2,4,5-Trichlorophenol	7.325	196	350542	32.75 ug/ml	100
41) 2-Chloronaphthalene	7.513	162	996105	31.89 ug/ml	99
42) 2-Nitroaniline	7.705	65	411894	39.22 ug/ml	97
43) Dimethylphthalate	8.026	163	1433971	38.19 ug/ml	100
44) Acenaphthylene	8.176	152	1771698	33.46 ug/ml	100
45) 2,6-Dinitrotoluene	8.106	165	316230	35.80 ug/ml#	81
46) 3-Nitroaniline	8.395	138	269689	33.66 ug/ml	96
47) Acenaphthene	8.475	154	1020185	32.80 ug/ml	100
48) 2,4-Dinitrophenol	8.593	184	120502	43.82 ug/ml	96
49) 4-Nitrophenol	8.876	65	105696	22.42 ug/ml#	79
50) Dibenzofuran	8.775	168	1502779	33.82 ug/ml	99
51) 2,4-Dinitrotoluene	8.812	165	401336	37.94 ug/ml	88
52) 2,3,4,6-Tetrachlorophenol	9.048	232	279515	34.57 ug/ml	99
53) Diethylphthalate	9.272	149	1507731	38.71 ug/ml	99
54) Fluorene	9.395	166	1296576	33.48 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.422	204	621635	32.05 ug/ml	98
56) 4-Nitroaniline	9.513	138	214978	34.00 ug/ml	96
58) 1,2-Diphenylhydrazine	9.722	77	1436159	38.83 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.577	198	195655	42.42 ug/ml	98
60) Diphenylamine	9.668	169	924305	33.96 ug/ml	100
61) n-Nitrosodiphenylamine	9.668	169	924305	33.96 ug/ml	100
63) 4-Bromophenyl-phenylether	10.347	248	350129	38.14 ug/ml	98
64) Hexachlorobenzene	10.470	284	390187	39.01 ug/ml	97
65) Pentachlorophenol	10.904	266	131527	40.52 ug/ml	99
66) Phenanthrene	11.251	178	1716378	39.61 ug/ml	99
67) Anthracene	11.353	178	1675545	40.16 ug/ml	98
68) Carbazole	11.722	167	1352119	40.26 ug/ml	100
69) Di-n-butylphthalate	12.551	149	2127935	40.90 ug/ml	100
70) Fluoranthene	13.696	202	1590931	40.50 ug/ml	99
73) Pyrene	14.150	202	1514957	44.09 ug/ml	100
75) Butylbenzylphthalate	15.669	149	673229	43.99 ug/ml	99
76) Benzo(a)anthracene	16.707	228	1169653	42.63 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.712	252	60706	9.03 ug/ml#	89
78) Chrysene	16.776	228	1053636	45.56 ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.948	149	867471	42.18 ug/ml	98
81) Di-n-octylphthalate	18.237	149	1257606	43.60 ug/ml#	97
82) Benzo(b)fluoranthene	18.841	252	882834	44.35 ug/ml	99
83) Benzo(k)fluoranthene	18.889	252	894877	49.22 ug/ml	99
84) Benzo(a)pyrene	19.424	252	661298	38.91 ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.622	276	671262	46.84 ug/ml	97
86) Dibenz(a,h)anthracene	21.649	278	556752	46.81 ug/ml	96
87) Benzo(g,h,i)perylene	22.205	276	516388	47.70 ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13713.D
Acq On : 8 Oct 2009 11:57 pm
Operator : sheilac
Sample : op13205-ms
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 09:26:29 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13714.D
Acq On : 9 Oct 2009 12:27 am
Operator : sheilac
Sample : op13205-msd
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 09:31:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	619023	40.00	ug/ml	0.00
20) Naphthalene-d8	5.945	136	2140655	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.422	164	1164370	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.203	188	1622337	40.00	ug/ml	0.00
71) Chrysene-d12	16.728	240	1153967	40.00	ug/ml	0.00
80) Perylene-d12	19.526	264	787111	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.726	112	1116767	57.49	ug/ml	0.05
Spiked Amount 100.000	Range 10 - 66		Recovery = 57.49%			
5) Phenol-d5 (SURR)	4.507	99	1213459	49.98	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 49.98%			
21) Nitrobenzene-d5 (SURR)	5.229	82	790780	35.23	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery = 70.46%			
40) 2-Fluorobiphenyl (SURR)	7.347	172	1506447	32.05	ug/ml	-0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 64.10%			
62) 2,4,6-Tribromophenol (...	9.871	330	435875	79.85	ug/ml	-0.09
Spiked Amount 100.000	Range 32 - 128		Recovery = 79.85%			
74) Terphenyl-d14	14.567	244	1238580	44.95	ug/ml	-0.03
Spiked Amount 50.000	Range 12 - 145		Recovery = 89.90%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.479	74	351762	33.81	ug/ml	93
3) Pyridine	2.474	79	93296	5.08	ug/ml	99
6) Phenol	4.512	94	657270	25.02	ug/ml	95
7) Aniline	4.480	93	277207	10.92	ug/ml	90
8) bis(2-Chloroethyl)ether	4.523	93	704922	27.37	ug/ml	93
9) 2-Chlorophenol	4.587	128	651950	31.99	ug/ml	99
10) 1,3-Dichlorobenzene	4.683	146	623399	27.00	ug/ml	99
11) 1,4-Dichlorobenzene	4.742	146	677558	27.35	ug/ml	99
12) Benzyl Alcohol	4.876	108	436146	30.71	ug/ml	97
13) 1,2-Dichlorobenzene	4.876	146	643718	27.70	ug/ml	99
14) 2-Methylphenol	4.993	108	598791	32.51	ug/ml#	89
15) bis(2-chloroisopropyl)...	4.972	45	970334	29.75	ug/ml#	71
16) 4-Methylphenol	5.138	108	1302846	66.86	ug/ml	98
17) m+p-Cresols	5.138	108	1302846	66.86	ug/ml	98
18) n-Nitroso-di-n-propyla...	5.106	70	571715	32.35	ug/ml	99
19) Hexachloroethane	5.164	117	243315	26.92	ug/ml	99
22) Nitrobenzene	5.245	77	783893	35.55	ug/ml	99
23) Isophorone	5.475	82	1371881	33.89	ug/ml	99
24) 2-Nitrophenol	5.550	139	346868	34.22	ug/ml	97
25) 2,4-Dimethylphenol	5.624	122	553295	33.01	ug/ml	97
26) bis(2-Chloroethoxy)met...	5.683	93	766598	34.36	ug/ml	100
27) Benzoic Acid	5.812	105	313339	37.64	ug/ml	97
28) 2,4-Dichlorophenol	5.828	162	507892	34.44	ug/ml	100
29) 1,2,4-Trichlorobenzene	5.881	180	500348	28.20	ug/ml	99
30) Naphthalene	5.967	128	1822522	31.26	ug/ml	100
31) 4-Chloroaniline	6.036	127	244055	13.71	ug/ml	96
32) Hexachlorobutadiene	6.111	225	317582	28.51	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13714.D
Acq On : 9 Oct 2009 12:27 am
Operator : sheilac
Sample : op13205-msd
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 09:31:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

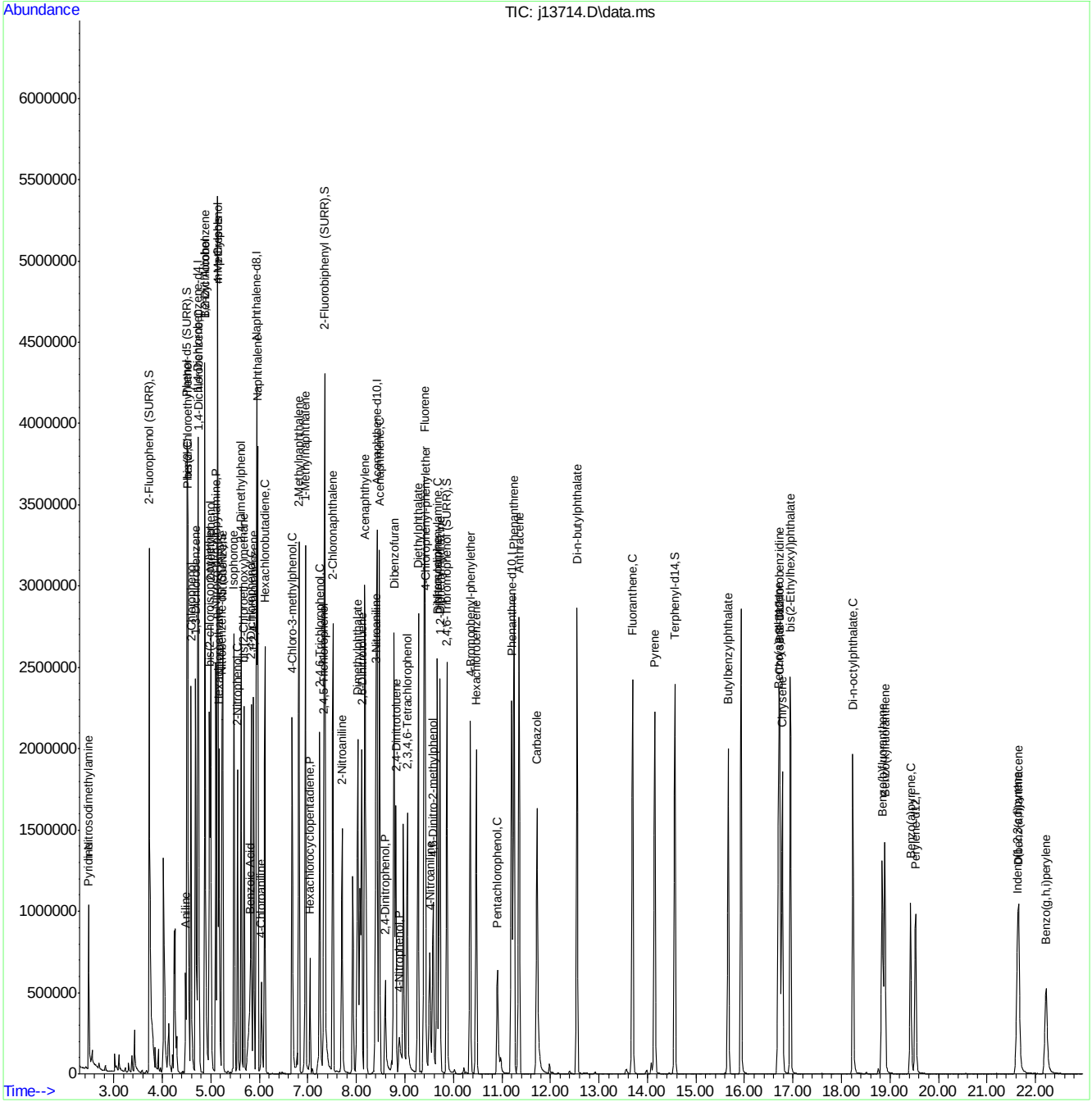
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.673	107	593729	35.65	ug/ml	99
34) 2-Methylnaphthalene	6.817	142	1174703	32.98	ug/ml	99
35) 1-Methylnaphthalene	6.951	142	1151495	30.87	ug/ml	99
37) Hexachlorocyclopentadiene	7.042	237	119354	28.17	ug/ml	98
38) 2,4,6-Trichlorophenol	7.245	196	343637	35.37	ug/ml	99
39) 2,4,5-Trichlorophenol	7.325	196	370721	33.19	ug/ml	99
41) 2-Chloronaphthalene	7.512	162	1047991	32.21	ug/ml	100
42) 2-Nitroaniline	7.705	65	441569	40.37	ug/ml	98
43) Dimethylphthalate	8.026	163	1510235	38.62	ug/ml	100
44) Acenaphthylene	8.176	152	1878048	34.06	ug/ml	100
45) 2,6-Dinitrotoluene	8.112	165	339024	36.85	ug/ml#	80
46) 3-Nitroaniline	8.400	138	300993	35.86	ug/ml	96
47) Acenaphthene	8.475	154	1083054	33.43	ug/ml	99
48) 2,4-Dinitrophenol	8.593	184	143894	48.67	ug/ml	94
49) 4-Nitrophenol	8.882	65	106851	21.86	ug/ml#	69
50) Dibenzofuran	8.780	168	1613777	34.87	ug/ml	99
51) 2,4-Dinitrotoluene	8.818	165	449551	40.80	ug/ml	89
52) 2,3,4,6-Tetrachlorophenol	9.048	232	312328	36.87	ug/ml	99
53) Diethylphthalate	9.278	149	1628367	40.14	ug/ml	99
54) Fluorene	9.401	166	1416889	35.13	ug/ml	99
55) 4-Chlorophenyl-phenyle...	9.422	204	672422	33.18	ug/ml	99
56) 4-Nitroaniline	9.518	138	238638	36.23	ug/ml	96
58) 1,2-Diphenylhydrazine	9.721	77	1557202	37.74	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.582	198	229596	44.31	ug/ml	98
60) Diphenylamine	9.668	169	1015644	33.45	ug/ml	100
61) n-Nitrosodiphenylamine	9.668	169	1015644	33.45	ug/ml	100
63) 4-Bromophenyl-phenylether	10.347	248	383333	37.43	ug/ml	98
64) Hexachlorobenzene	10.470	284	427206	38.28	ug/ml	97
65) Pentachlorophenol	10.909	266	155156	42.19	ug/ml	99
66) Phenanthrene	11.251	178	1937982	40.09	ug/ml	100
67) Anthracene	11.353	178	1901733	40.86	ug/ml	98
68) Carbazole	11.722	167	1550187	41.37	ug/ml	100
69) Di-n-butylphthalate	12.551	149	2367693	40.79	ug/ml	99
70) Fluoranthene	13.695	202	1837260	41.93	ug/ml	99
73) Pyrene	14.150	202	1756492	43.20	ug/ml	99
75) Butylbenzylphthalate	15.669	149	772545	42.66	ug/ml	99
76) Benzo(a)anthracene	16.707	228	1376343	42.40	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.717	252	60598	7.62	ug/ml#	91
78) Chrysene	16.782	228	1242897	45.42	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	16.947	149	1010852	41.54	ug/ml	99
81) Di-n-octylphthalate	18.236	149	1502028	39.84	ug/ml#	97
82) Benzo(b)fluoranthene	18.841	252	1128404	43.38	ug/ml	100
83) Benzo(k)fluoranthene	18.894	252	1094716	46.07	ug/ml	99
84) Benzo(a)pyrene	19.424	252	851144	38.32	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.628	276	982656	52.47	ug/ml	97
86) Dibenz(a,h)anthracene	21.654	278	812859	52.30	ug/ml	97
87) Benzo(g,h,i)perylene	22.221	276	773695	54.69	ug/ml	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13714.D
Acq On : 9 Oct 2009 12:27 am
Operator : sheilac
Sample : op13205-msd
Misc : op13205,Ej630,500,,,1,1,water
ALS Vial : 13 Sample Multiplier: 1

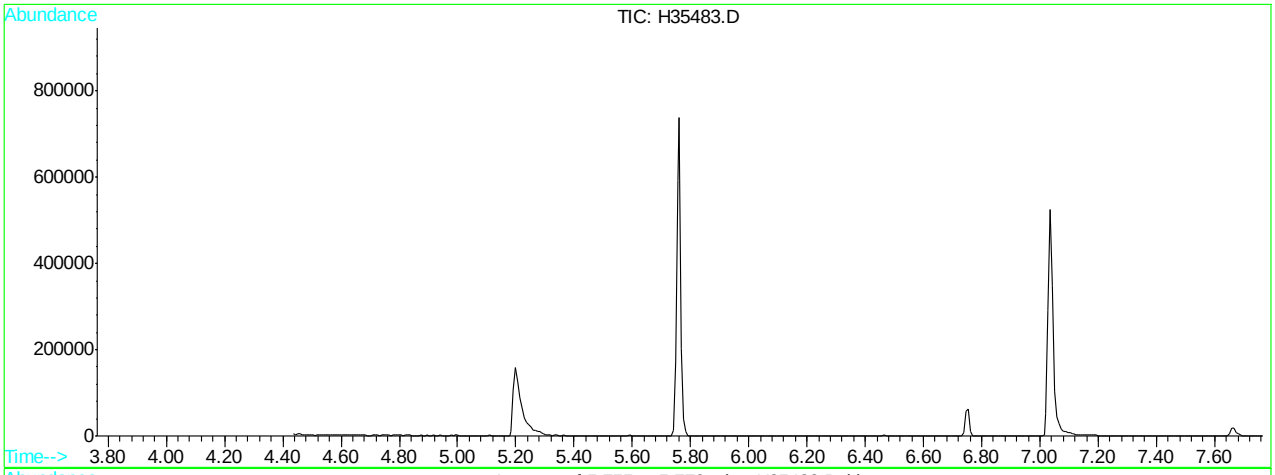
Quant Time: Oct 09 09:31:40 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

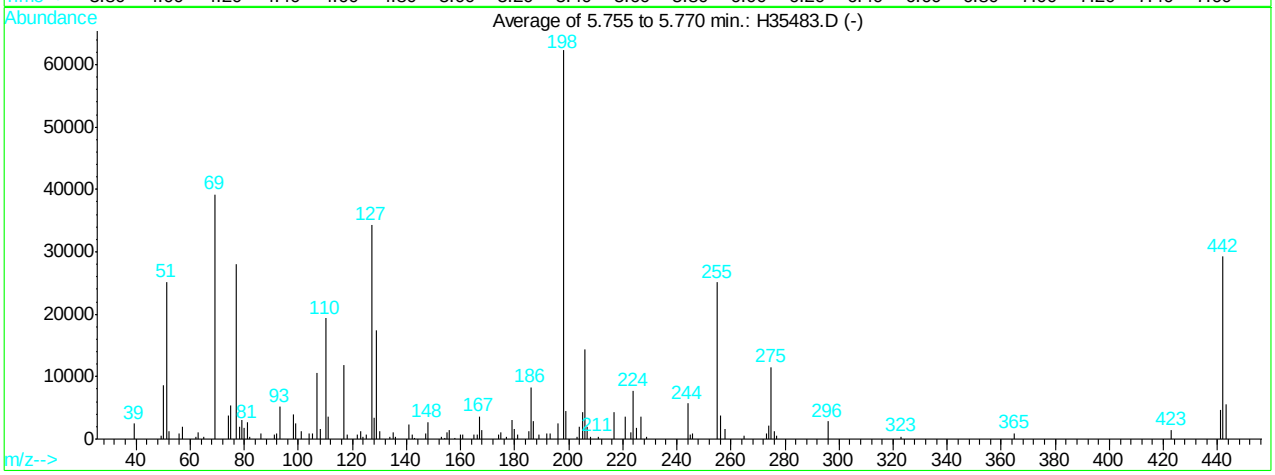


ACCUTEST Laboratories T39187

DFTPP

Data File : C:\HPCHEM\1\DATA\EH1917\H35483.D Vial: 1
Acq On : 20 Oct 2009 10:23 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S





AutoFind: Scans 179, 180, 181; Background Corrected with Scan 174

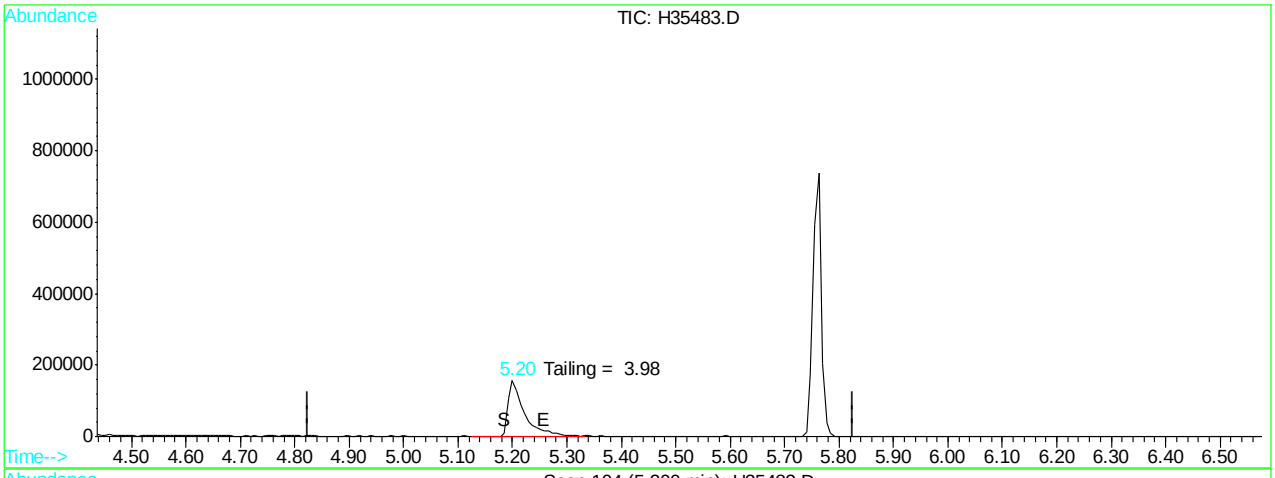
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.5	25242	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	63.0	39240	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.0	34233	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	62272	PASS
199	198	5	9	7.3	4517	PASS
275	198	10	30	18.5	11534	PASS
365	198	1	100	1.5	947	PASS
441	443	0.01	100	83.5	4702	PASS
442	198	40	100	47.0	29253	PASS
443	442	17	23	19.2	5629	PASS

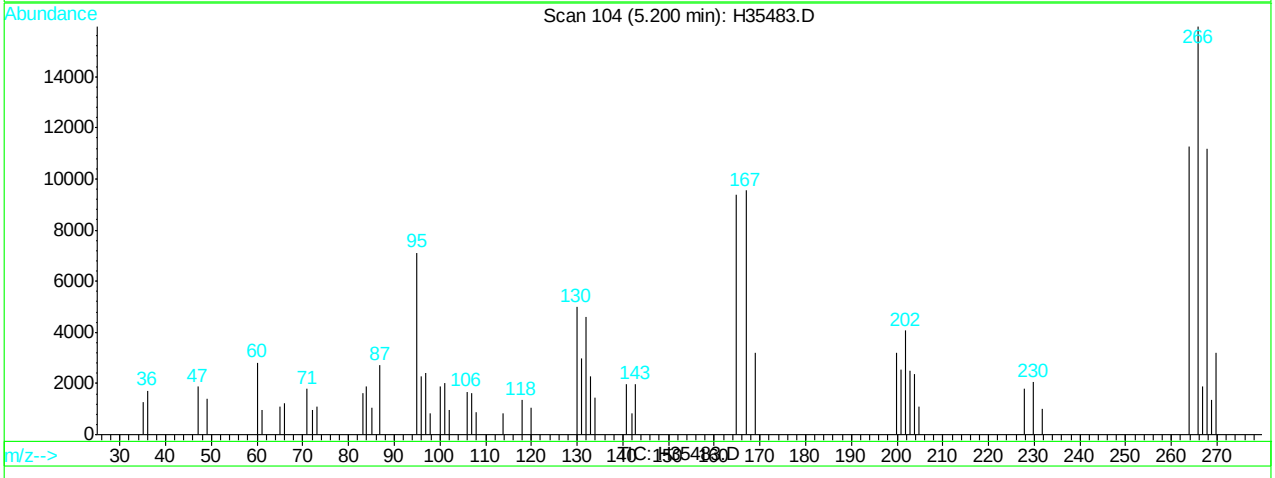
H35483.D DFTPP.M Tue Oct 20 10:43:46 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35483.D Vial: 1
Acq On : 20 Oct 2009 10:23 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 10:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.20min 0.00

response 322529

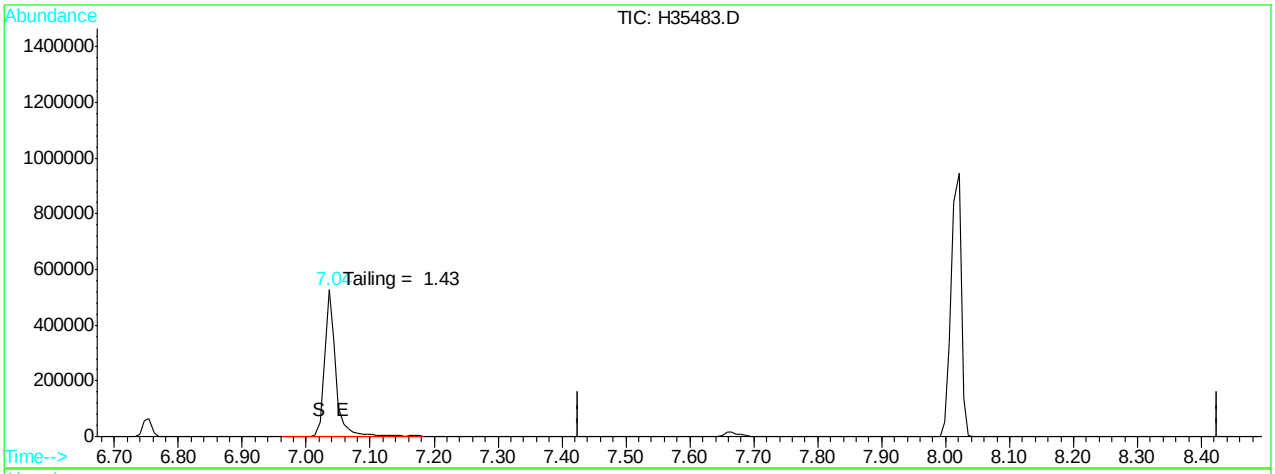
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

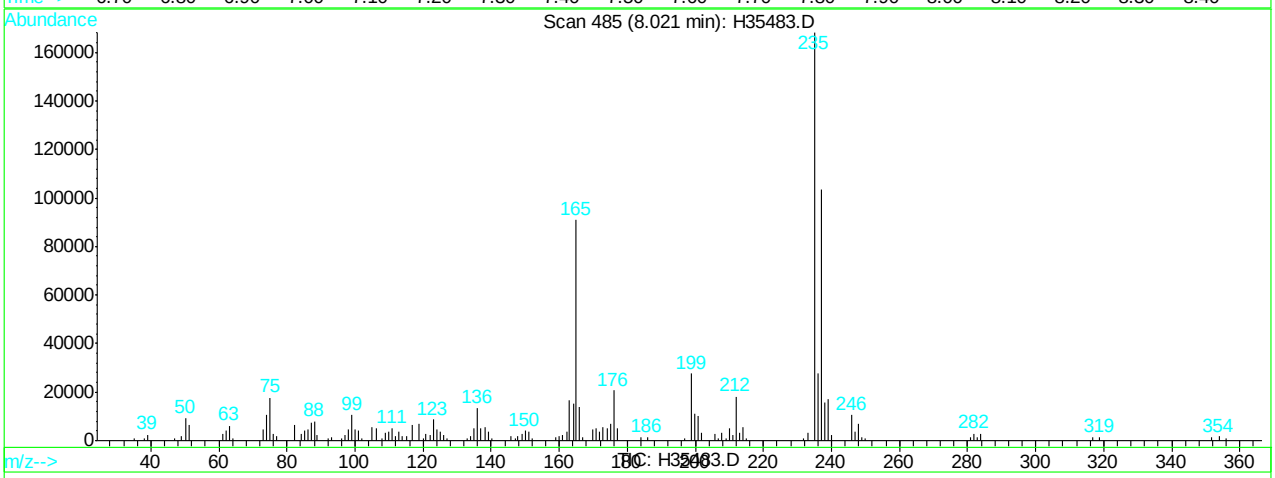
H35483.D DFTPP.M Tue Oct 20 10:44:15 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35483.D Vial: 1
Acq On : 20 Oct 2009 10:23 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 10:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.02min 0.00

response 1030347

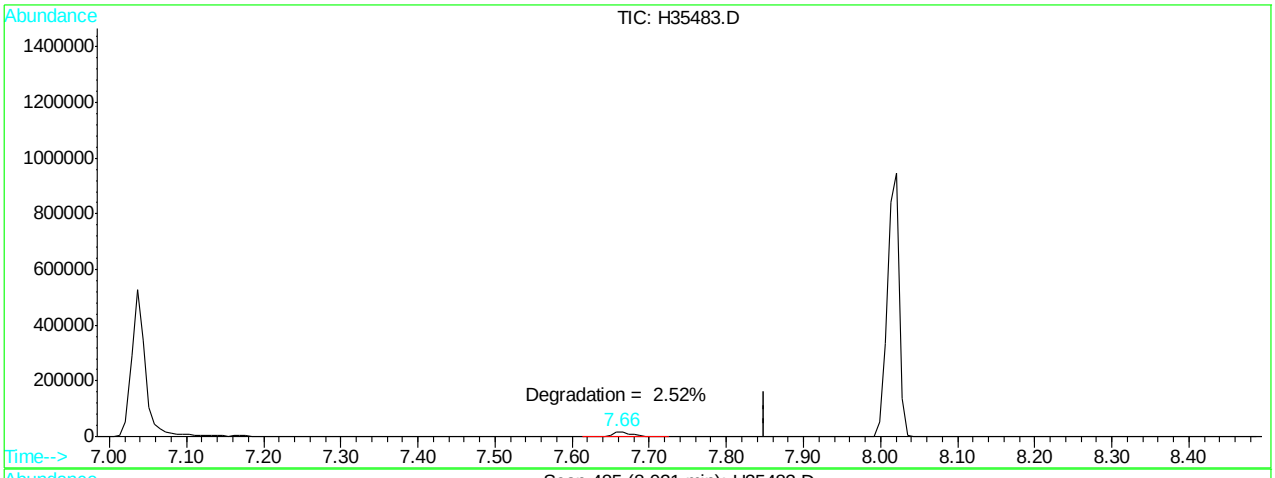
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

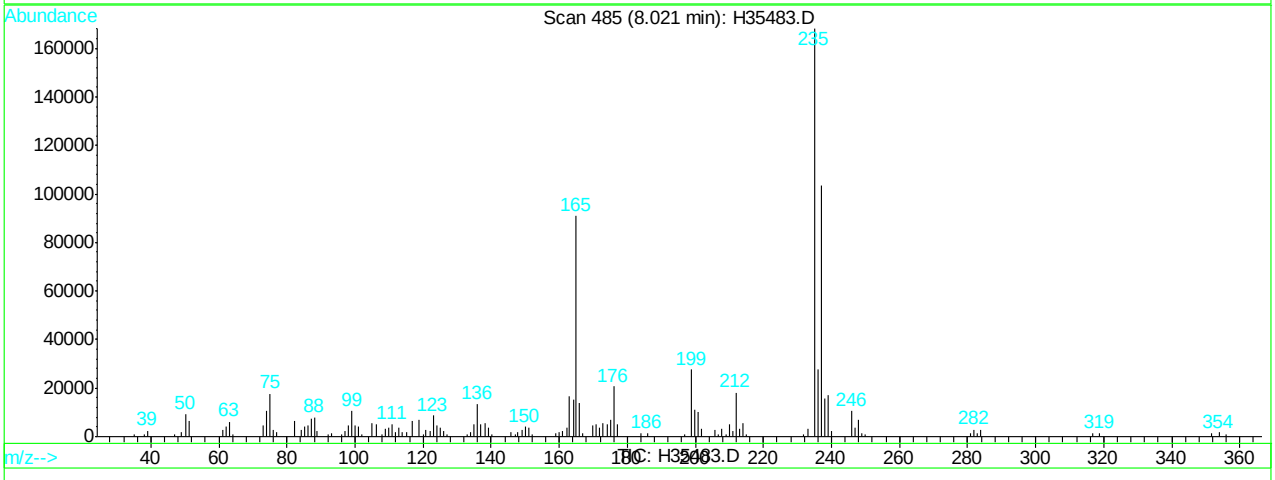
H35483.D DFTPP.M Tue Oct 20 10:44:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35483.D Vial: 1
Acq On : 20 Oct 2009 10:23 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 10:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.02min 0.00

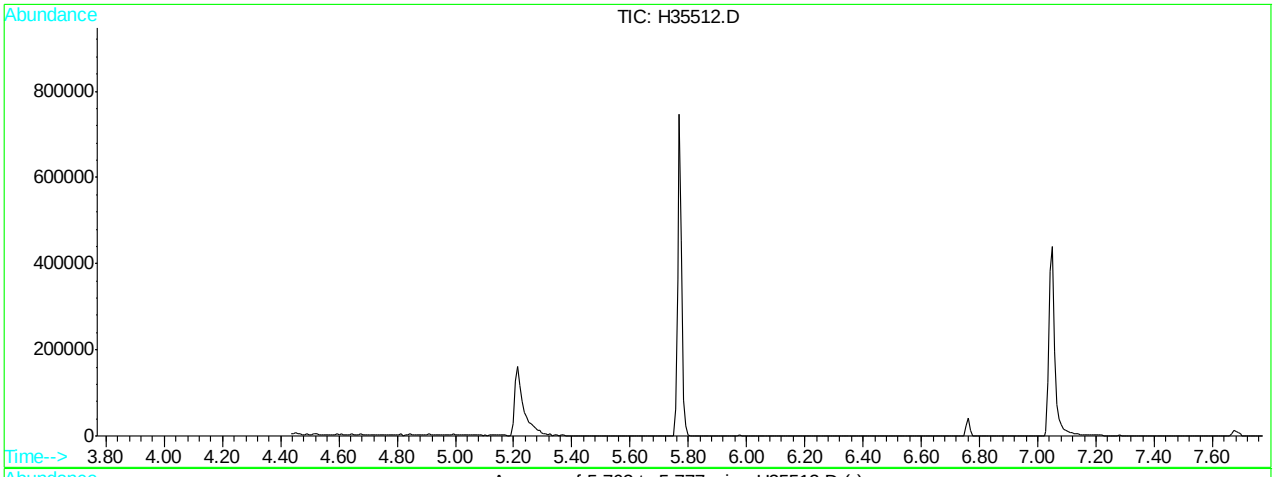
response 1030347

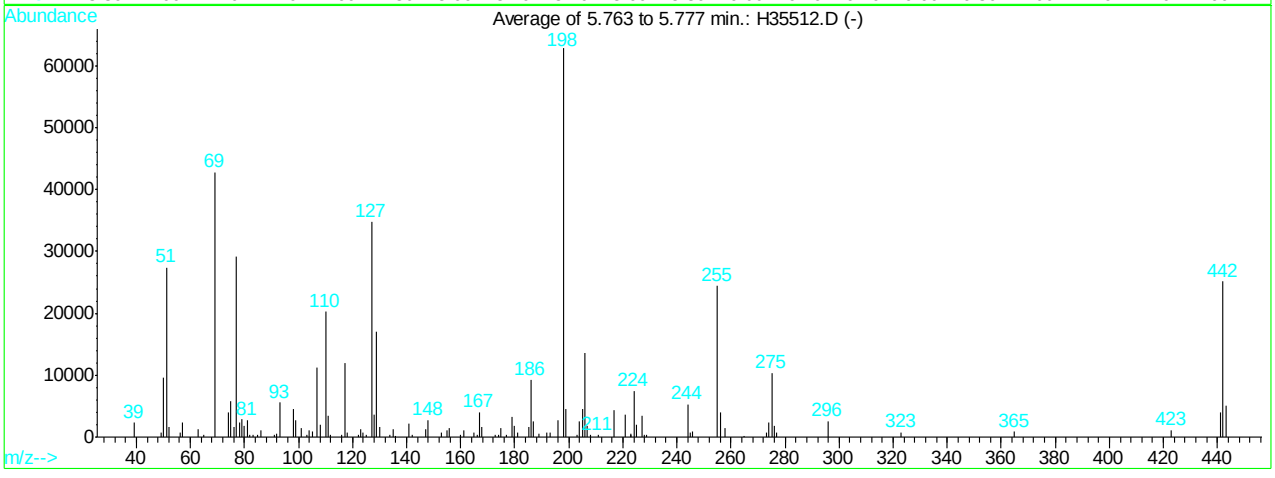
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35483.D DFTPP.M Tue Oct 20 10:44:33 2009

DFTPP

```
Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D            Vial: 1
Acq On    : 21 Oct 2009  10:48 am                   Operator: sheilac
Sample    : dftpp                                   Inst    : TXMSH
Misc      : OP12779,EH1918,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title     : 8270 BNA TUNING STD'S
```





AutoFind: Scans 180, 181, 182; Background Corrected with Scan 176

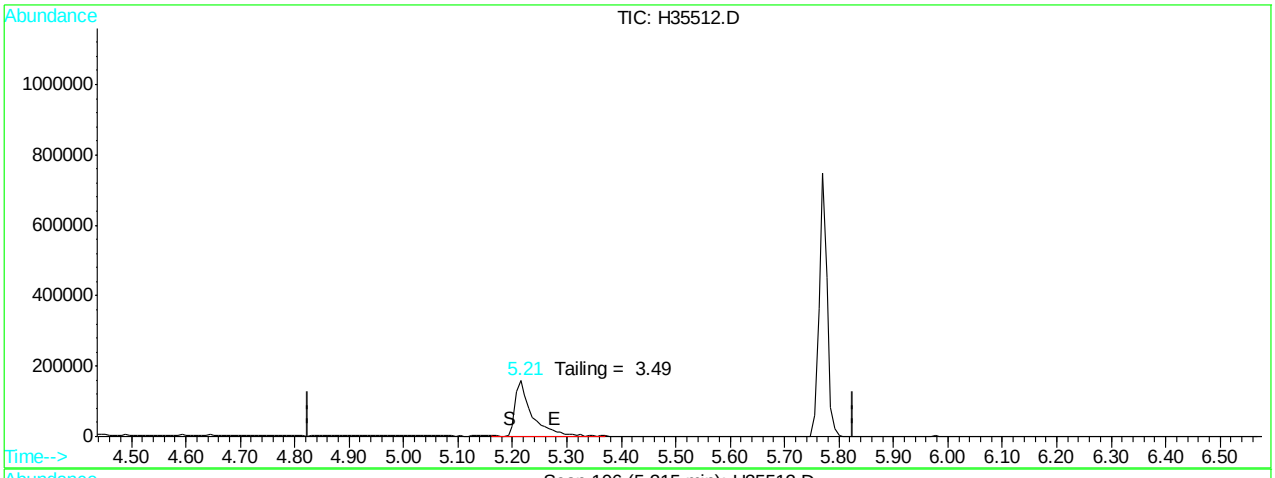
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.7	27424	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	68.1	42760	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.3	34749	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	62797	PASS
199	198	5	9	7.1	4472	PASS
275	198	10	30	16.5	10382	PASS
365	198	1	100	1.4	872	PASS
441	443	0.01	100	79.6	4082	PASS
442	198	40	100	40.0	25149	PASS
443	442	17	23	20.4	5127	PASS

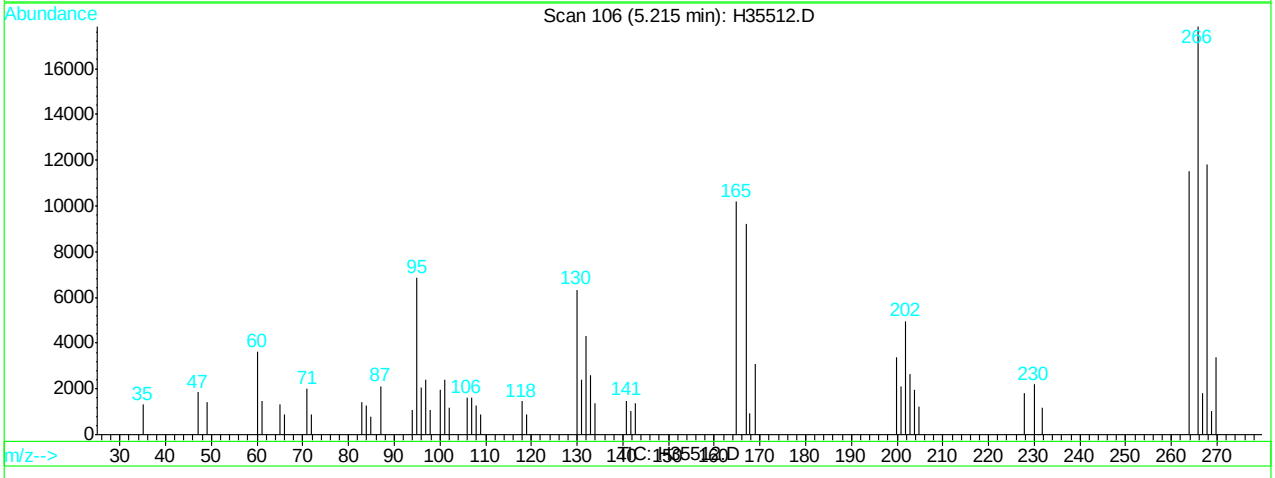
H35512.D DFTPP.M Wed Oct 21 10:55:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.21min 0.00

response 342661

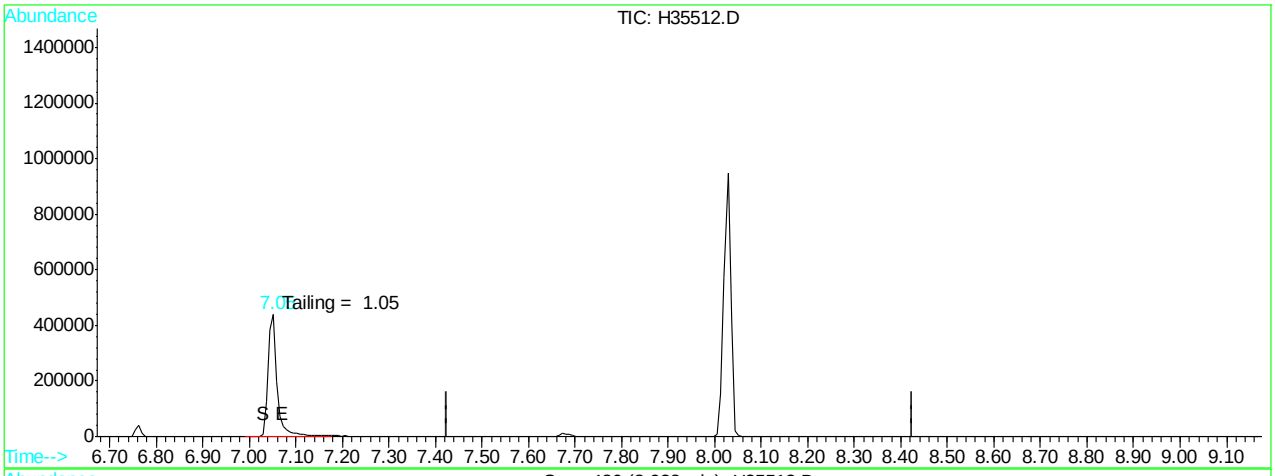
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

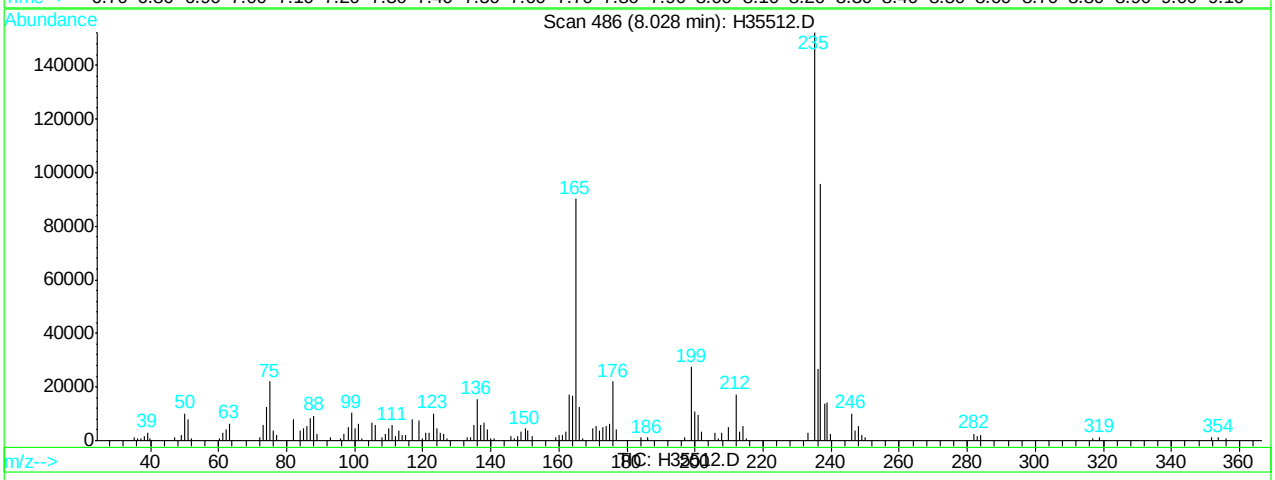
H35512.D DFTPP.M Wed Oct 21 10:55:37 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.03min 0.00

response 943744

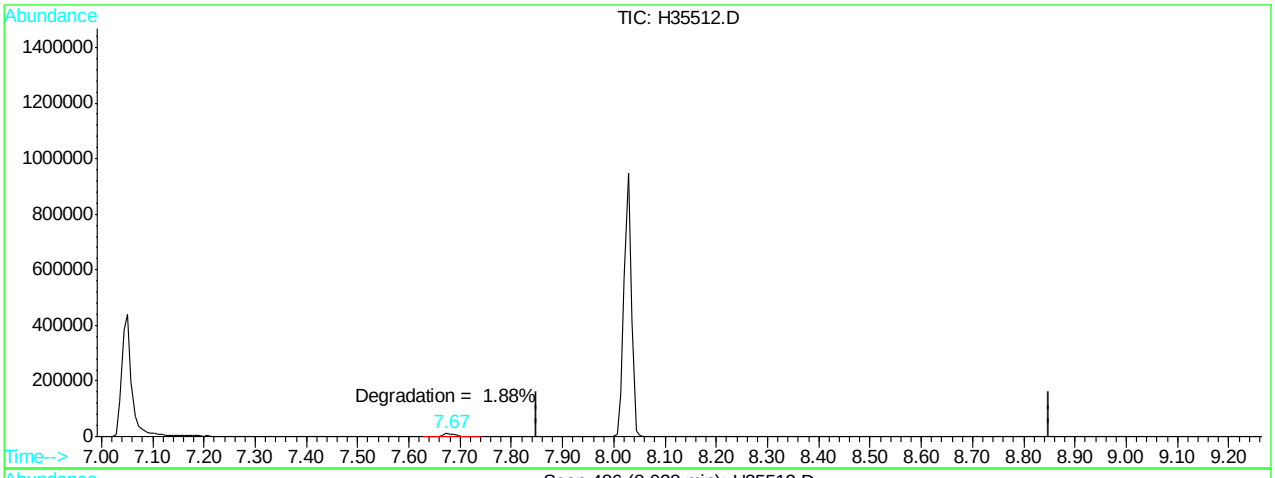
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

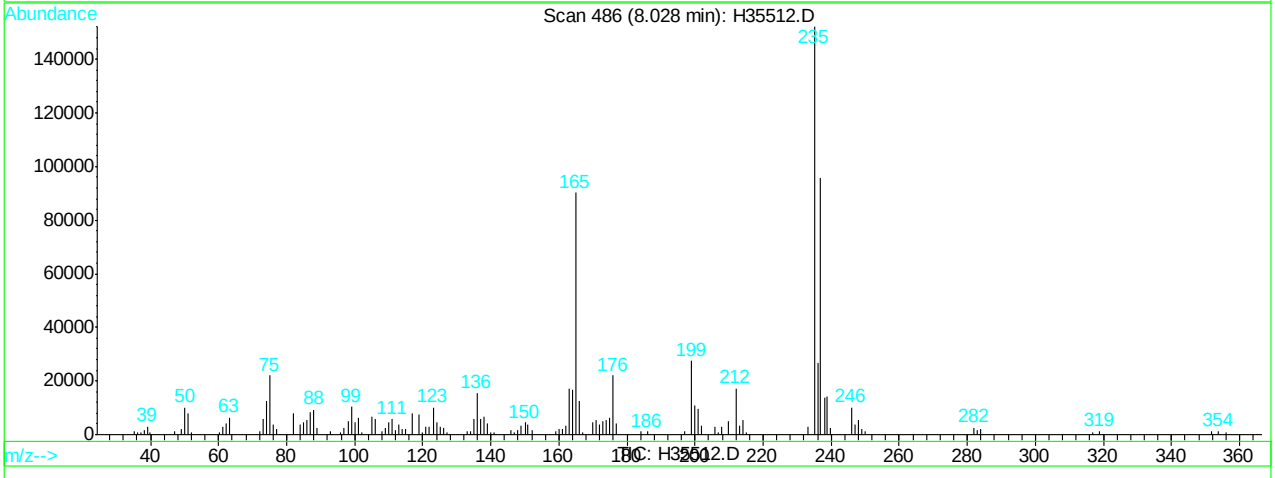
H35512.D DFTPP.M Wed Oct 21 10:55:47 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35512.D Vial: 1
Acq On : 21 Oct 2009 10:48 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 10:55 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.03min 0.00

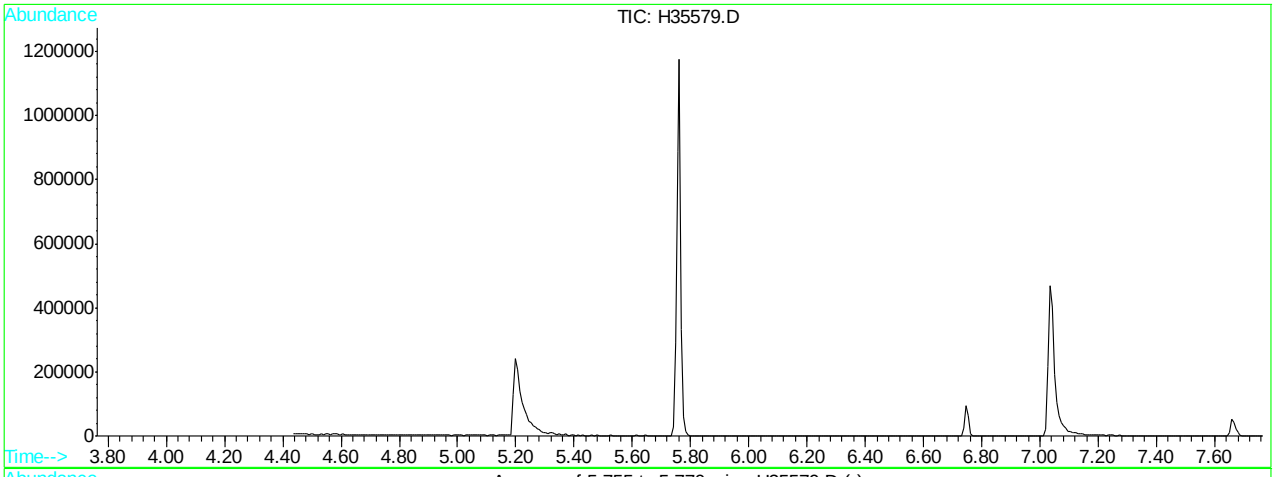
response 943744

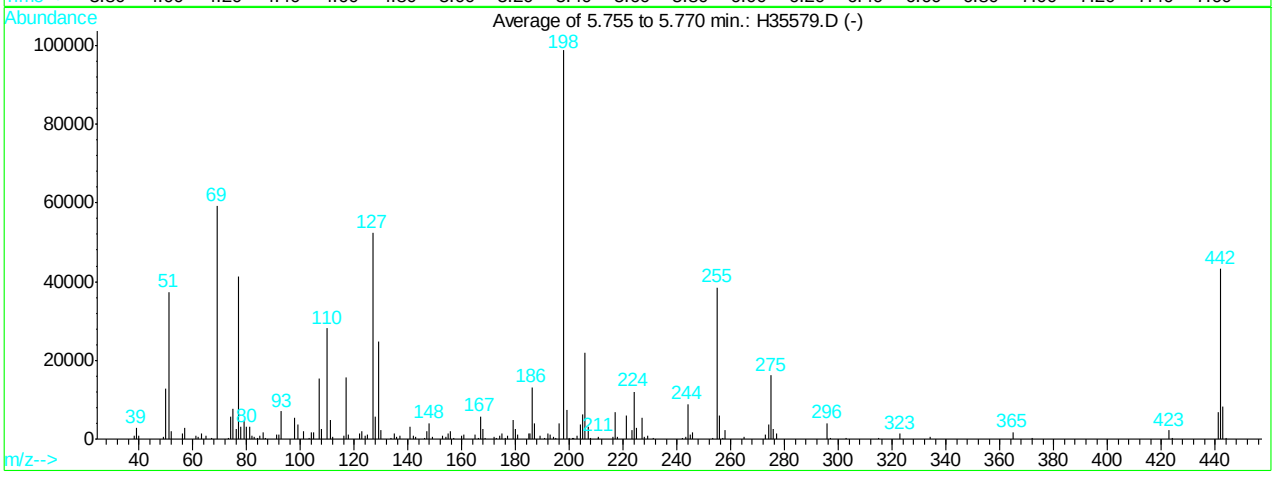
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

H35512.D DFTPP.M Wed Oct 21 10:55:56 2009

DFTPP

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S





AutoFind: Scans 179, 180, 181; Background Corrected with Scan 174

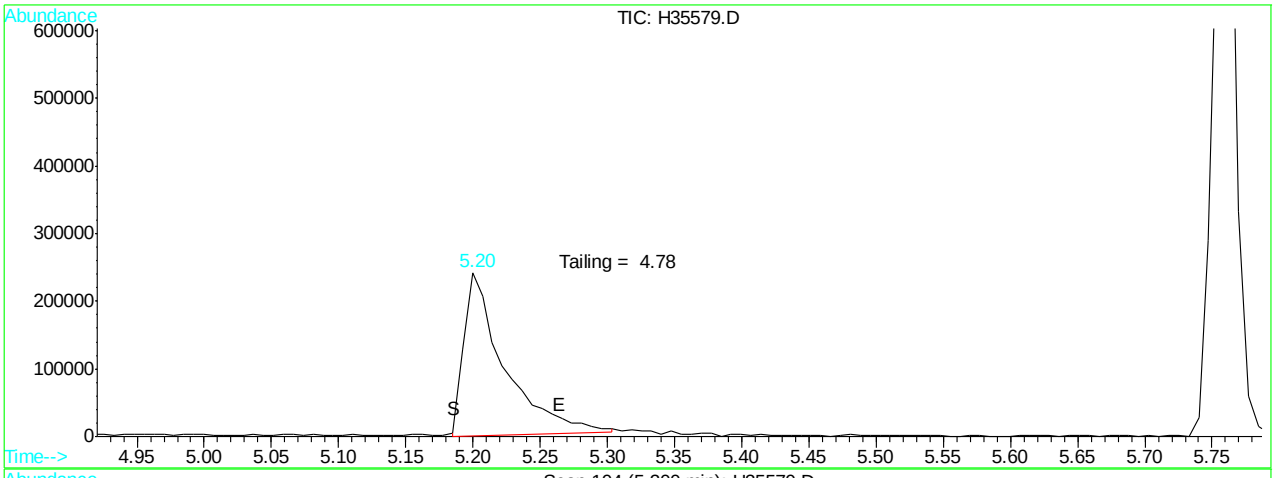
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.9	37381	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	59.9	59141	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.0	52288	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	98720	PASS
199	198	5	9	7.6	7541	PASS
275	198	10	30	16.4	16213	PASS
365	198	1	100	1.8	1790	PASS
441	443	0.01	100	80.6	6753	PASS
442	198	40	100	43.7	43176	PASS
443	442	17	23	19.4	8380	PASS

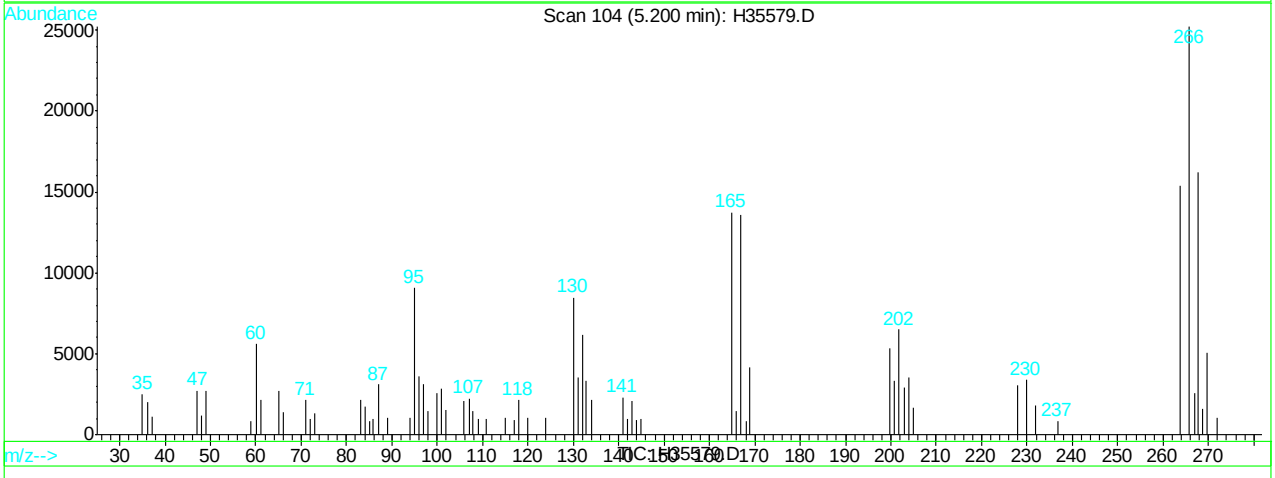
H35579.D DFTPP.M Fri Oct 23 16:43:38 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(1) Pentachlorophenol

5.20min 0.00 m

response 513355

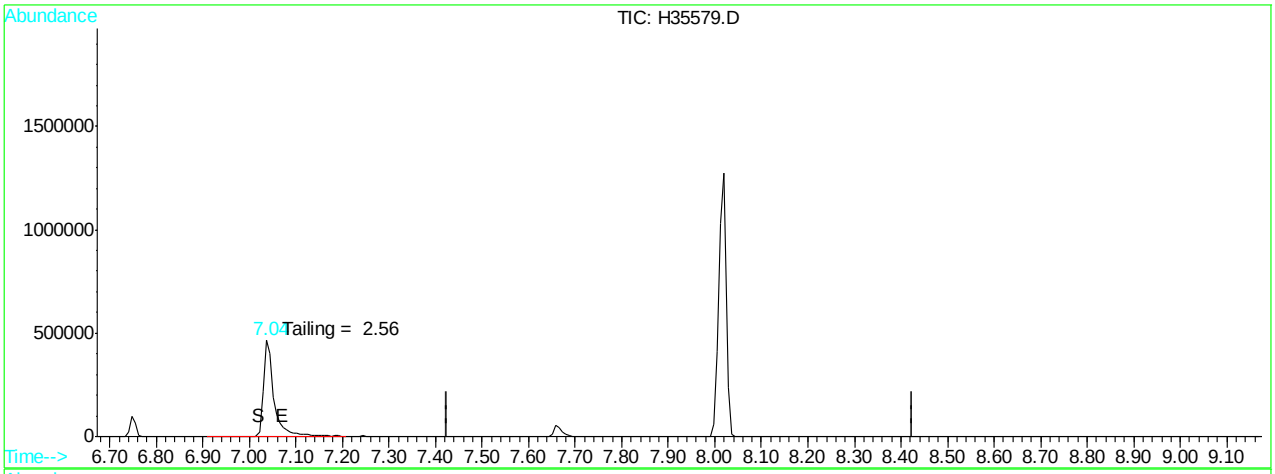
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

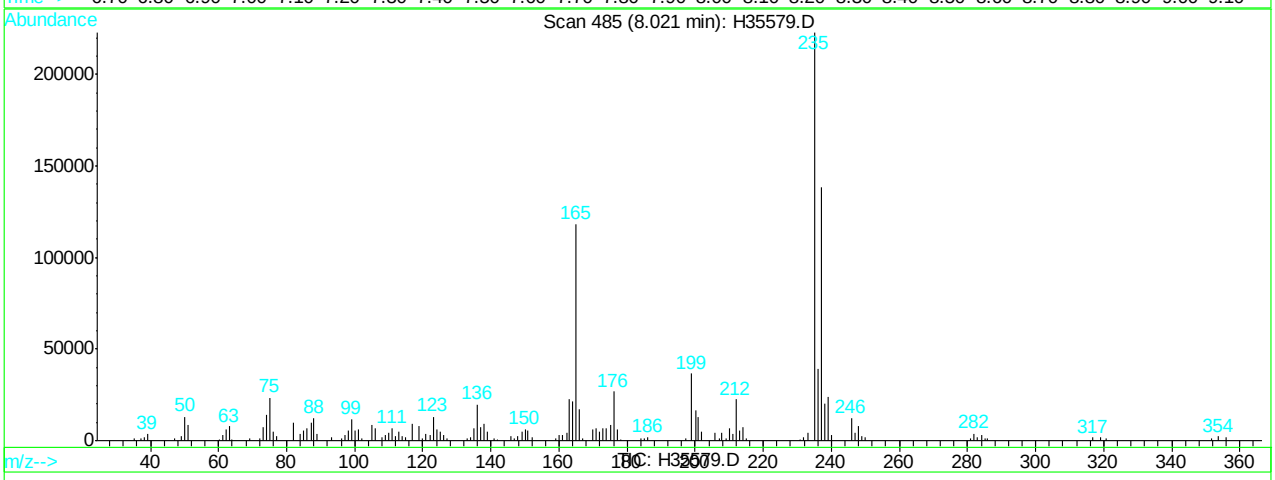
H35579.D DFTPP.M Fri Oct 23 16:44:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(3) Benzidine

8.02min 0.00

response 1344226

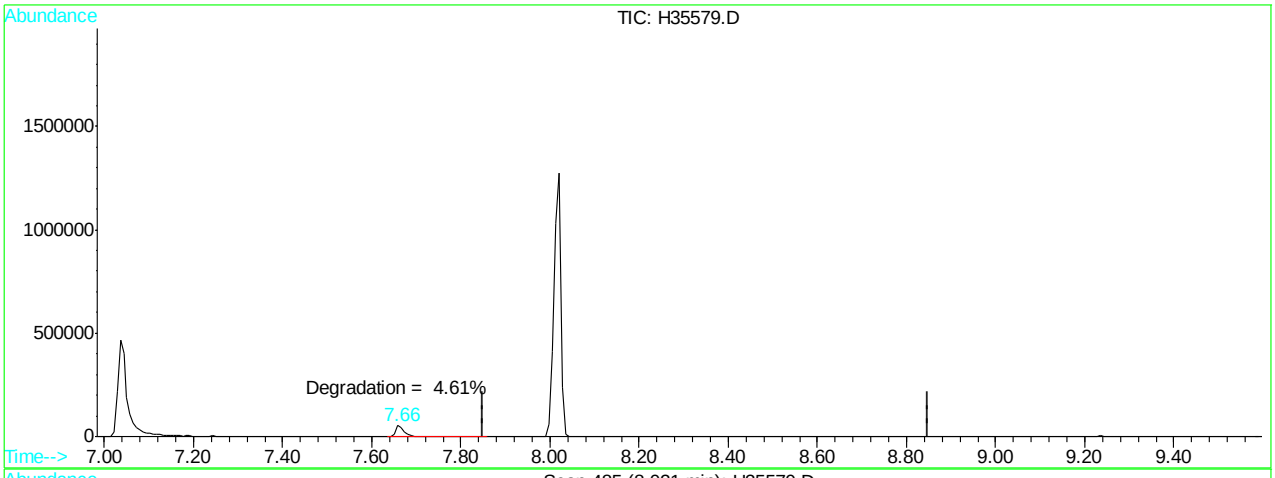
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

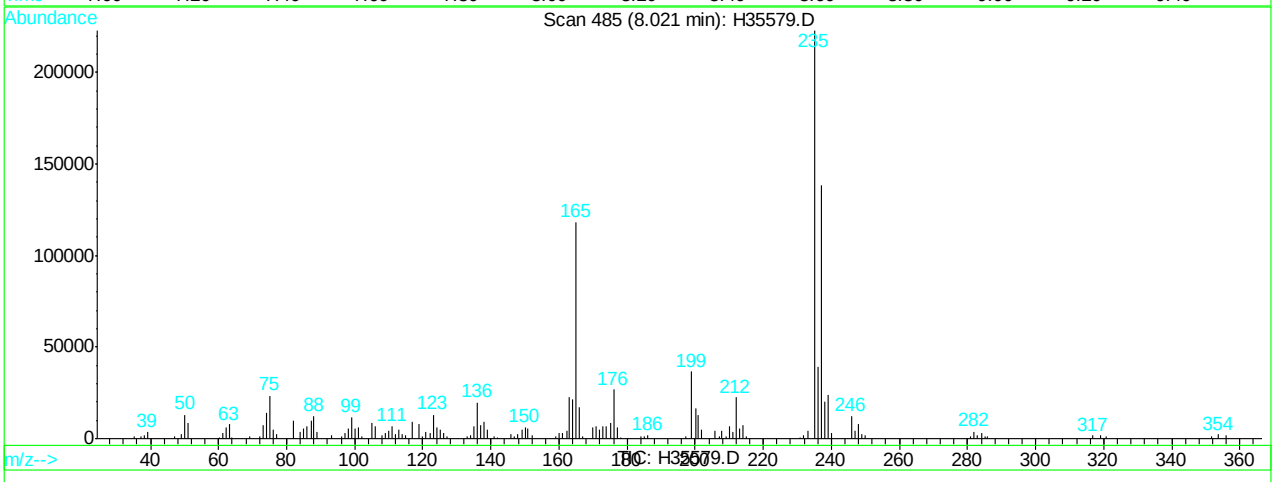
H35579.D DFTPP.M Fri Oct 23 16:44:26 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35579.D Vial: 1
Acq On : 23 Oct 2009 10:52 am Operator: sheilac
Sample : dftpp Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 23 16:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : 8270 BNA TUNING STD'S
Last Update : Thu Oct 08 13:23:36 2009
Response via : Single Level Calibration





(4) DDT

8.02min 0.00

response 1344226

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

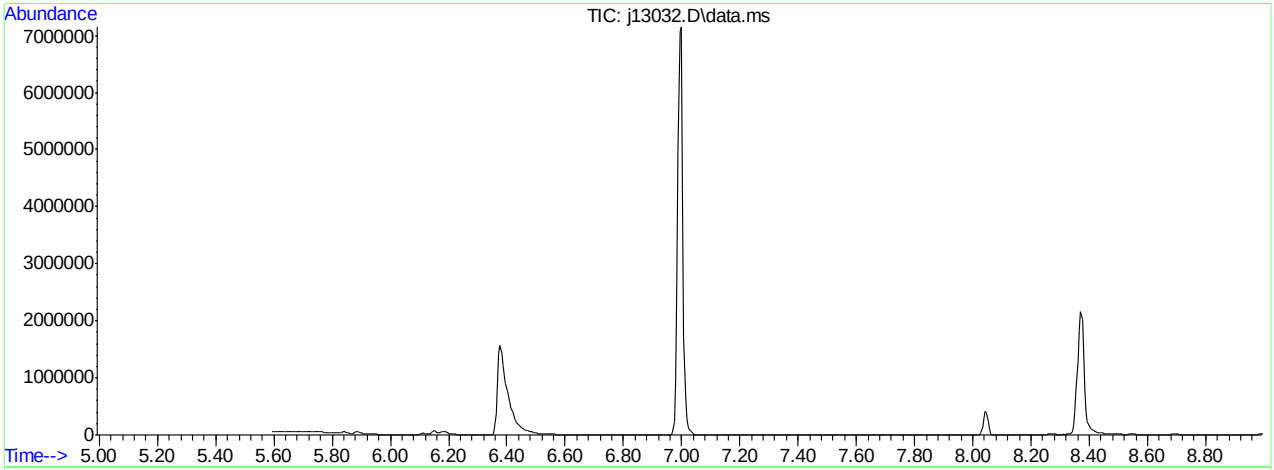
H35579.D DFTPP.M Fri Oct 23 16:44:35 2009

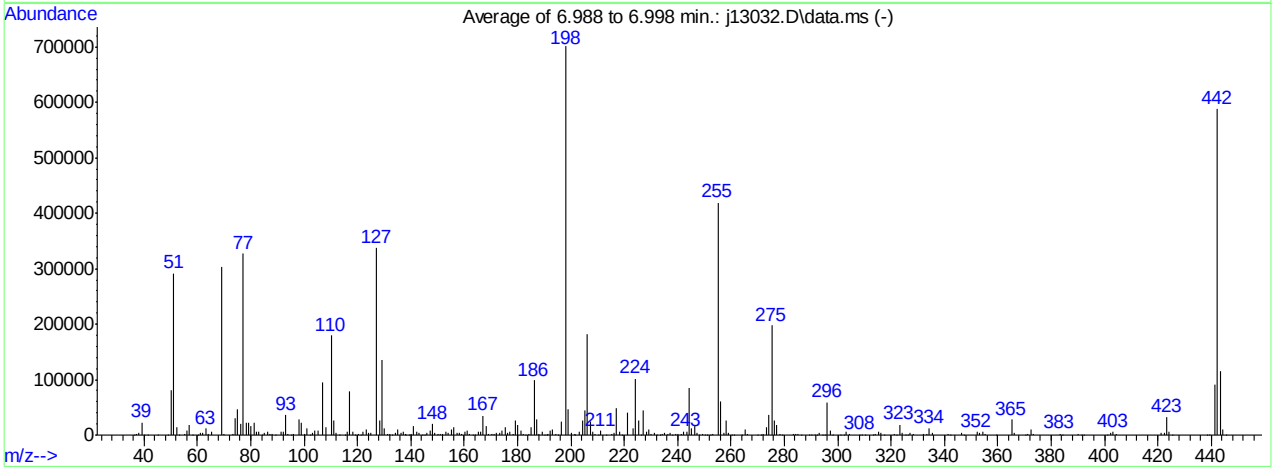
DFTPP

Data File : C:\msdchem\1\DATA\ej602\j13032.D
Acq On : 5 Sep 2009 11:25 am
Sample : dftpp
Misc : op10821,Ej602,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 291, 292, 293; Background Corrected with Scan 284

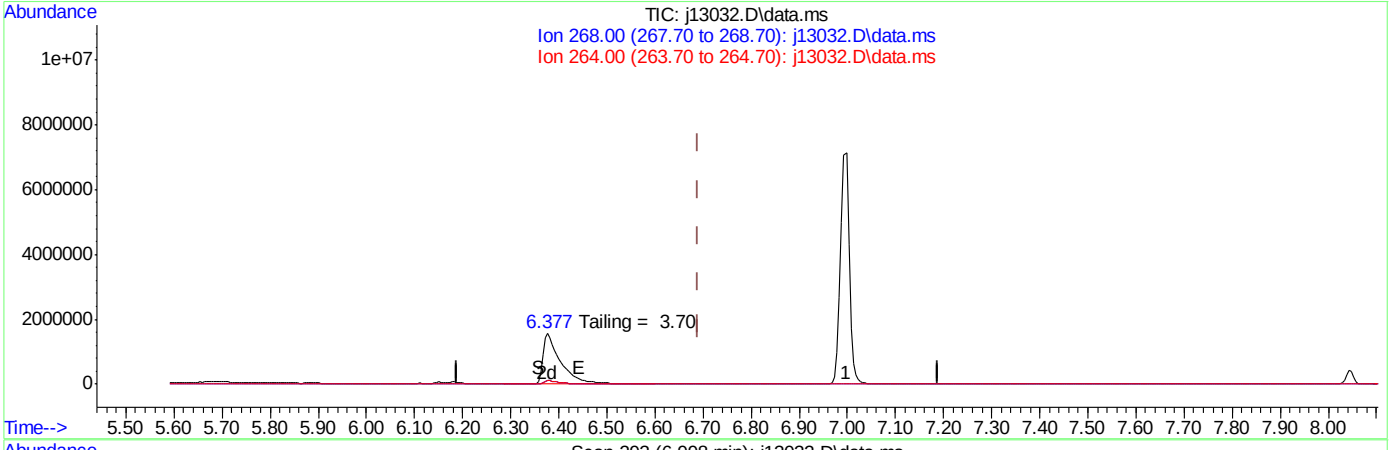
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.5	291136	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.4	304021	PASS
70	69	0.00	2	0.5	1668	PASS
127	198	40	60	48.2	337515	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	700800	PASS
199	198	5	9	6.8	47371	PASS
275	198	10	30	28.1	197269	PASS
365	198	1	100	4.0	27963	PASS
441	443	0.01	100	79.1	91285	PASS
442	198	40	100	83.9	588032	PASS
443	442	17	23	19.6	115421	PASS

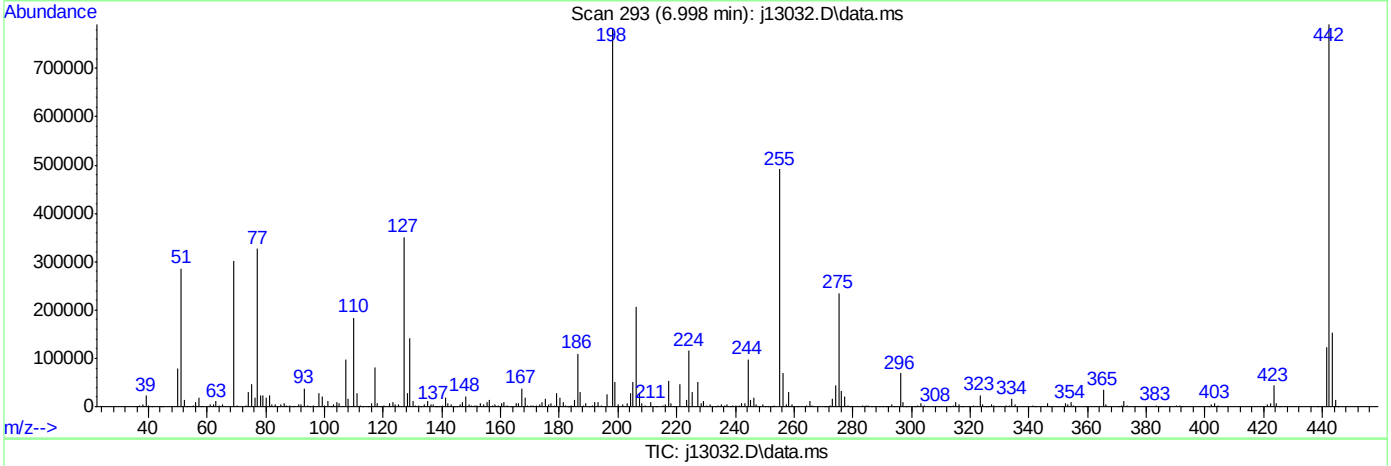
j13032.D dftpp.m Sat Sep 05 11:32:26 2009

Quantitation Report (Qedit)

```
Data Path : C:\MSDCHEM\1\DATA\ej602\Snapshot\
Data File : j13032.D
Acq On    :  5 Sep 2009  11:25 am
Operator  : sheilac
Sample    : dftpp
Misc      : op10821,Ej602,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 05 11:31:37 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Thu Aug 27 09:40:51 2009
Response via : Initial Calibration
```





(1) Pentachlorophenol

6.998min (+0.308) 0.00

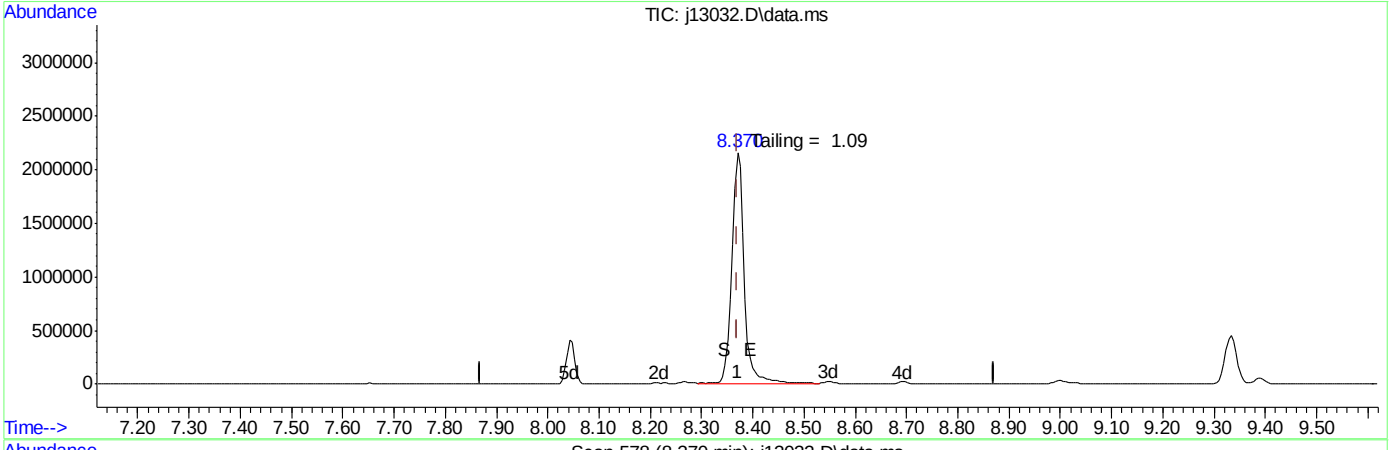
response 8796953

Signal	Exp%	Act%
TIC	100	100
268.00	778.10	0.00#
264.00	773.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13032.D
Acq On    :  5 Sep 2009  11:25 am
Operator  : sheilac
Sample    : dftpp
Misc      : op10821,Ej602,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 05 11:32:39 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Sat Sep 05 11:32:04 2009
Response via : Initial Calibration
```



(3) Benzidine

8.370min (0.000) 0.00

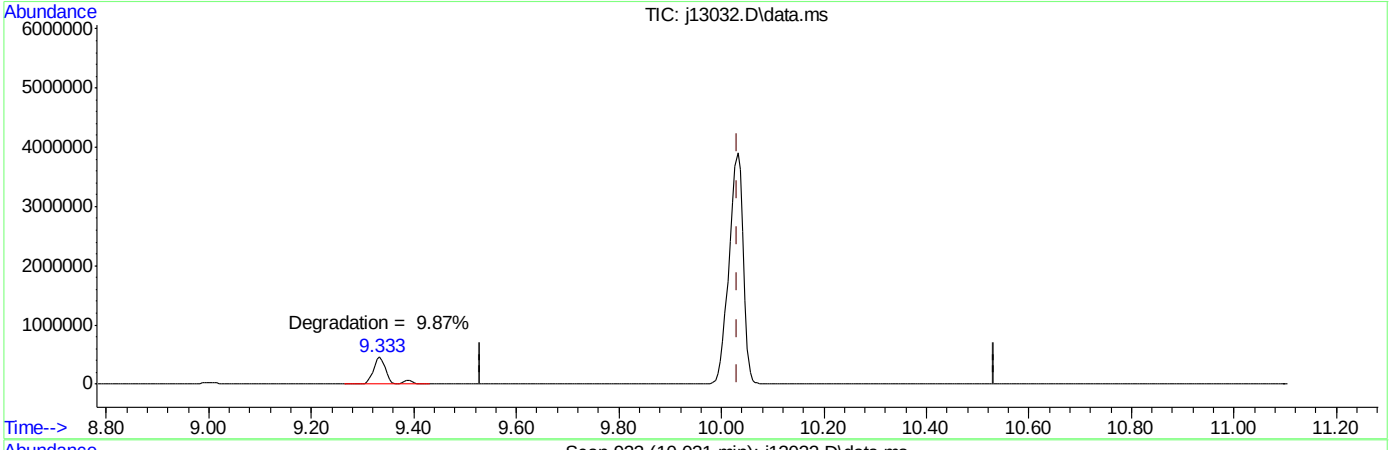
response 3552730

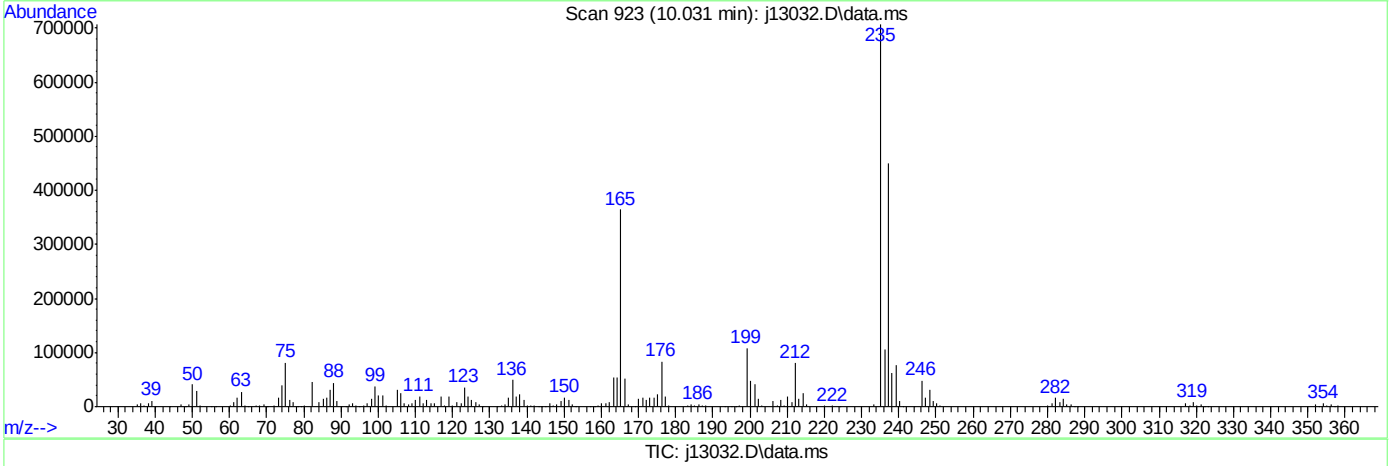
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13032.D
Acq On    :  5 Sep 2009  11:25 am
Operator  : sheilac
Sample    : dftpp
Misc      : op10821,Ej602,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 05 11:32:39 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Sat Sep 05 11:32:04 2009
Response via : Initial Calibration
```





TIC: j13032.D\data.ms

(4) DDT

10.031min (0.000) 0.00

response 7486030

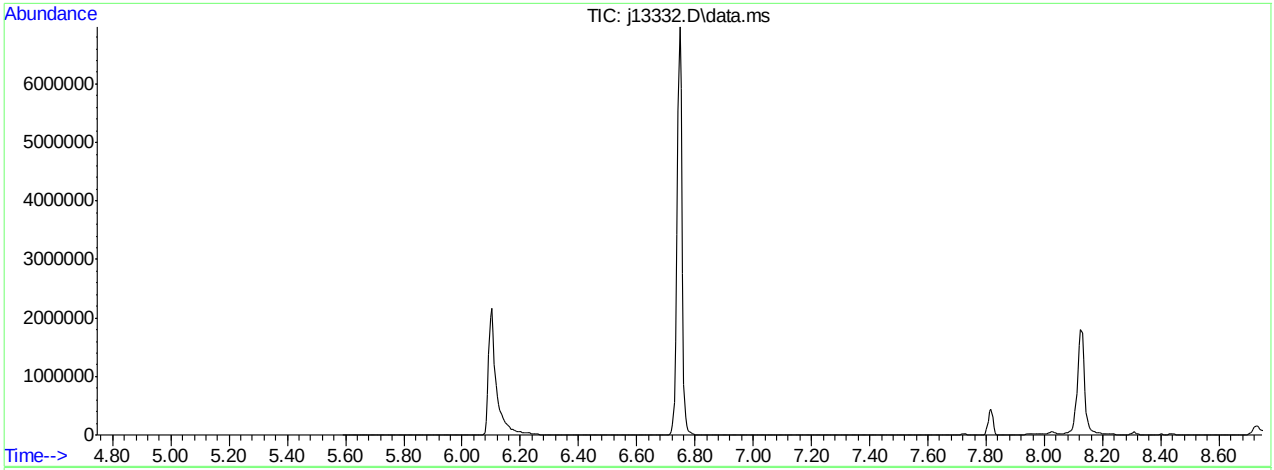
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

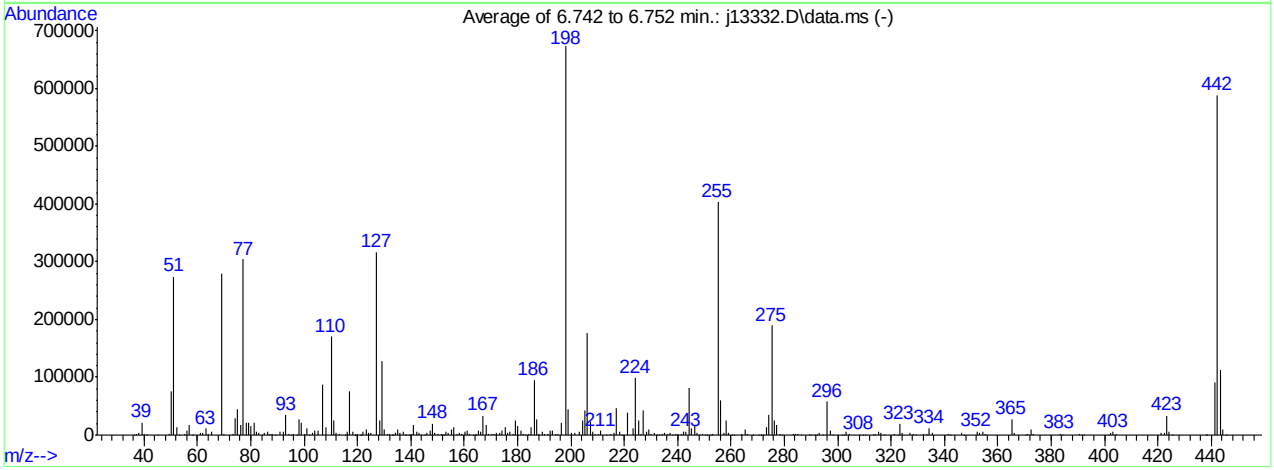
DFTPP

Data File : C:\msdchem\1\DATA\ej615\j13332.D
Acq On : 23 Sep 2009 10:37 am
Sample : dftpp
Misc : op12949,Ej615,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 240, 241, 242; Background Corrected with Scan 230

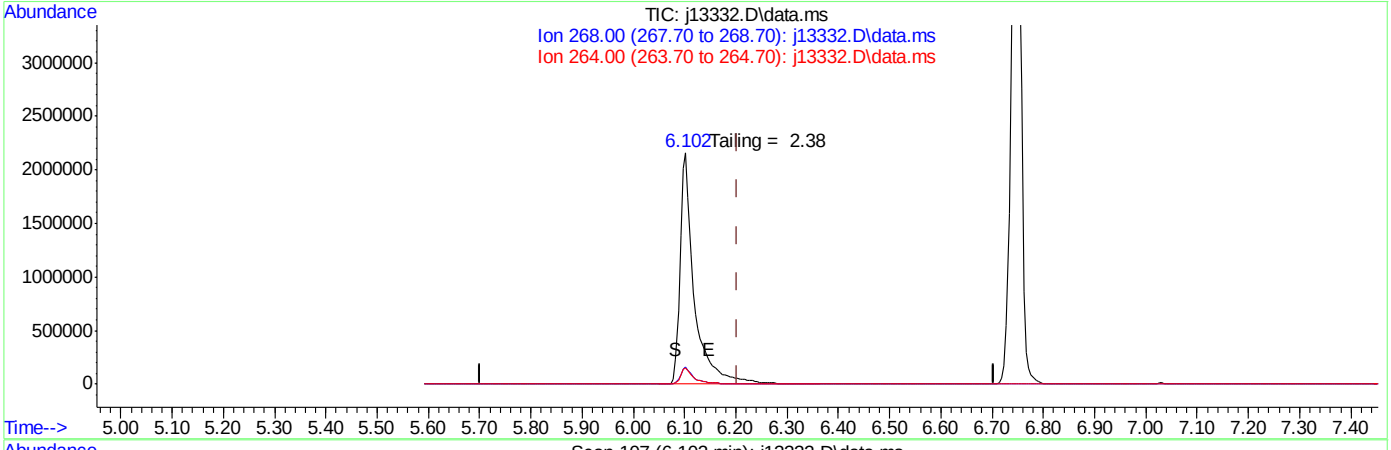
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	273877	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.5	279189	PASS
70	69	0.00	2	0.5	1498	PASS
127	198	40	60	47.0	316309	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	672661	PASS
199	198	5	9	6.7	45149	PASS
275	198	10	30	28.3	190080	PASS
365	198	1	100	4.2	27997	PASS
441	443	0.01	100	81.4	92136	PASS
442	198	40	100	87.4	588053	PASS
443	442	17	23	19.3	113253	PASS

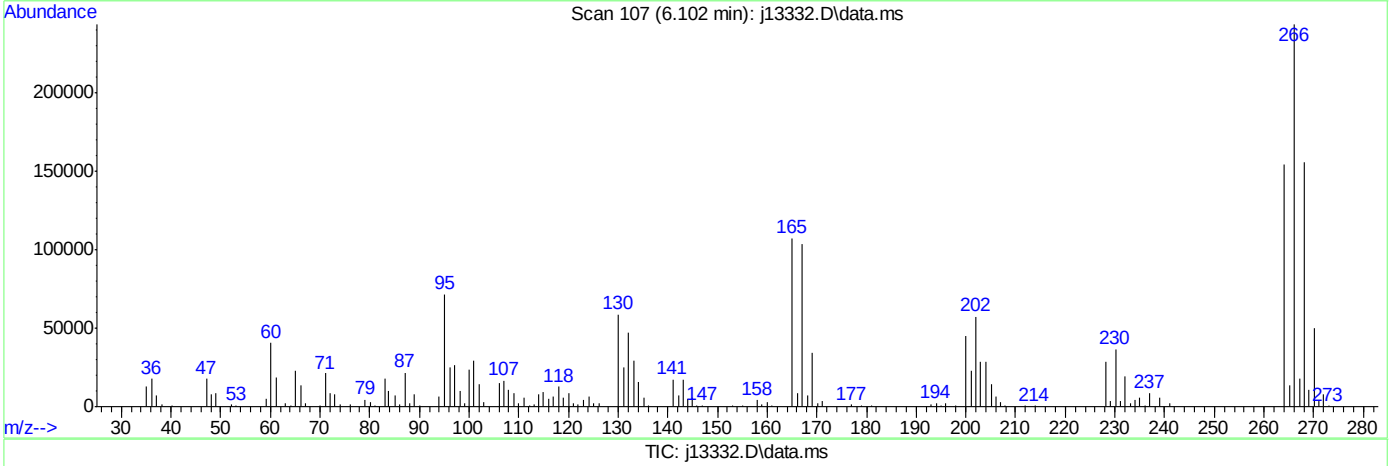
j13332.D dftpp.m Wed Sep 23 15:20:32 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```





TIC: j13332.D\data.ms

(1) Pentachlorophenol

6.102min (-0.101) 0.00

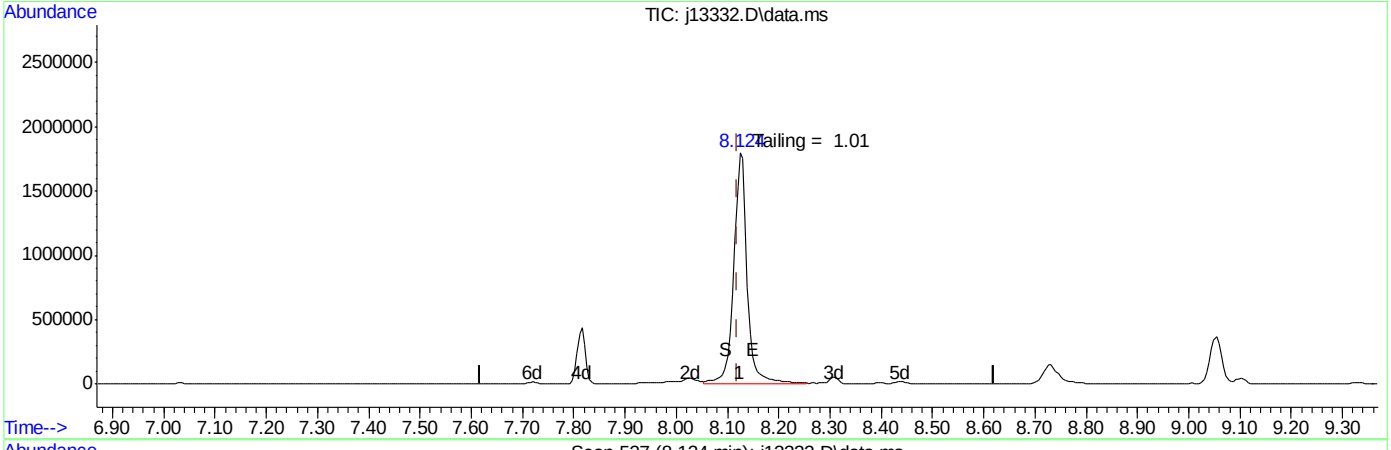
response 4154366

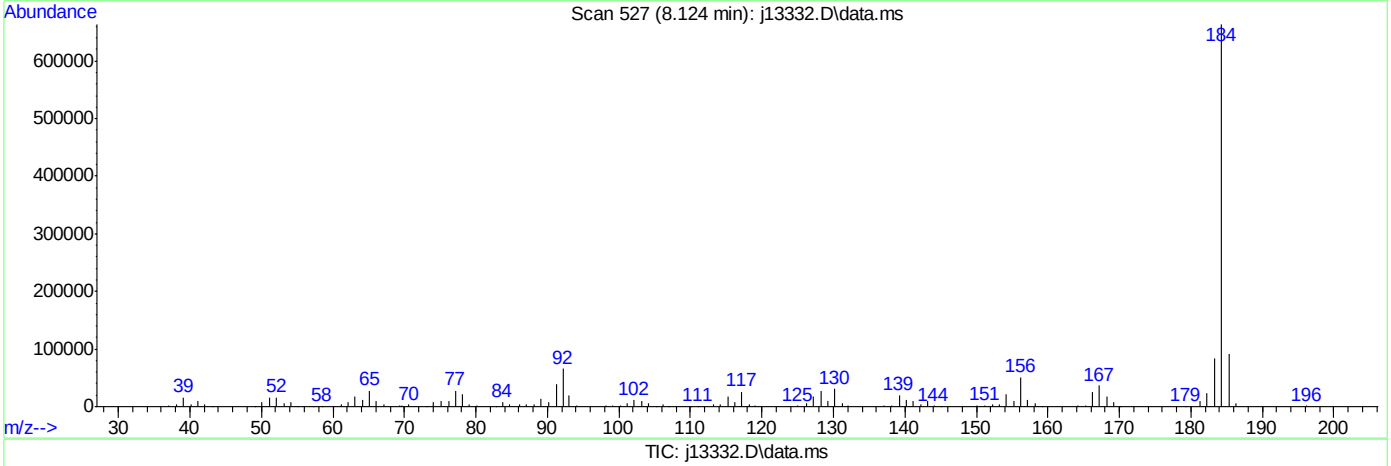
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.36#
264.00	697.70	7.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```





TIC: j13332.D\data.ms

(3) Benzidine

8.124min (+0.005) 0.00

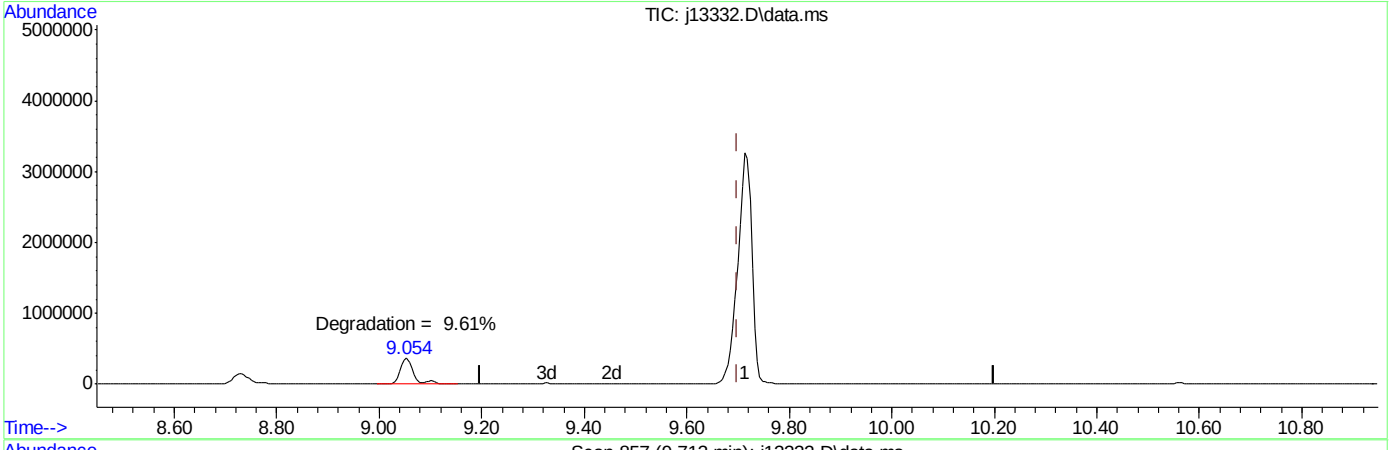
response 3263174

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13332.D
Acq On    : 23 Sep 2009  10:37 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 23 10:48:05 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Sep 23 10:27:18 2009
Response via : Initial Calibration
```



TIC: j13332.D\data.ms

(4) DDT

9.713min (+0.014) 0.00

response 6307525

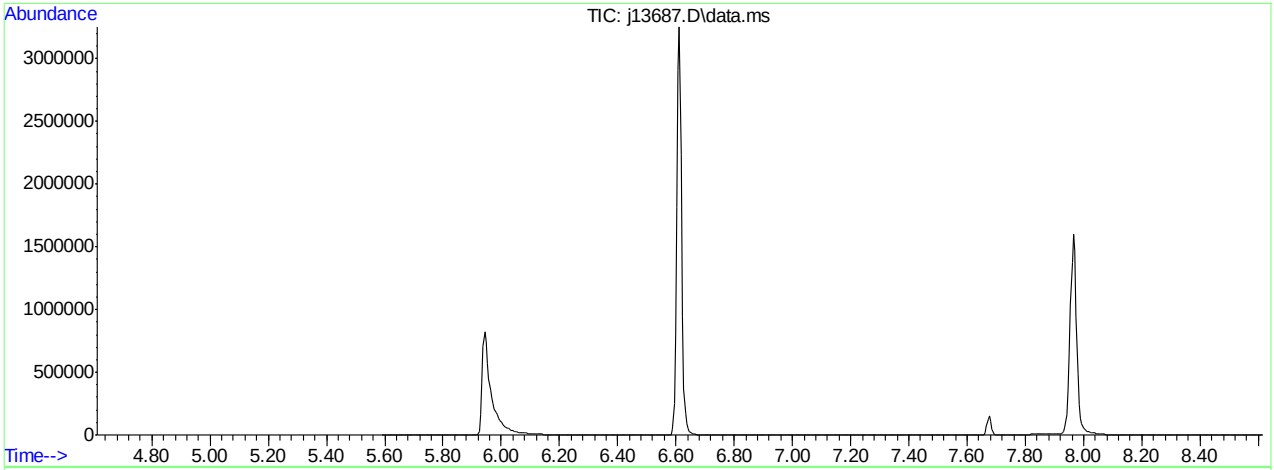
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

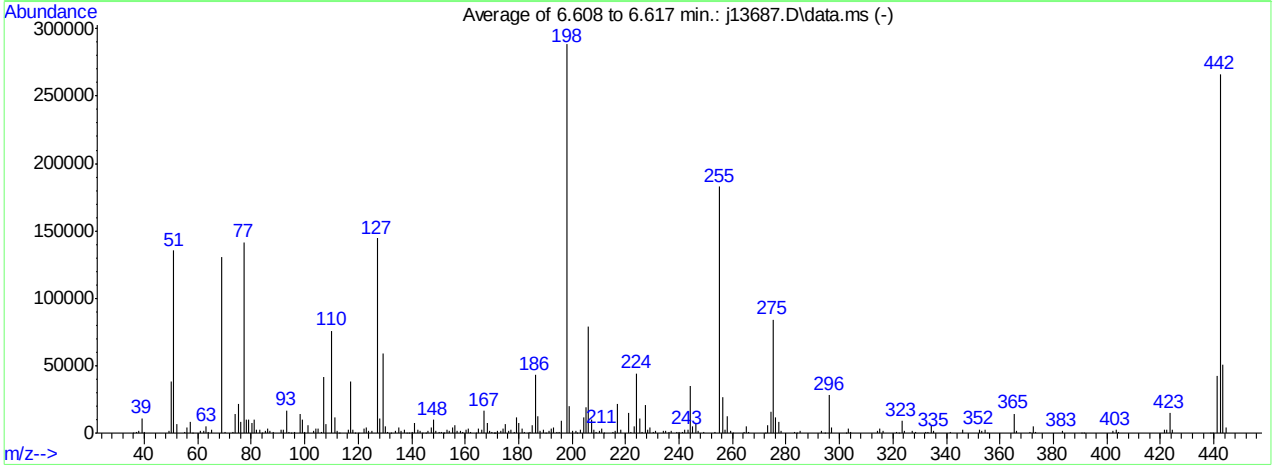
DFTPP

Data File : C:\msdchem\1\DATA\ej629\j13687.D
Acq On : 8 Oct 2009 10:34 am
Sample : dftpp
Misc : op12949,Ej629,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 212, 213, 214; Background Corrected with Scan 204

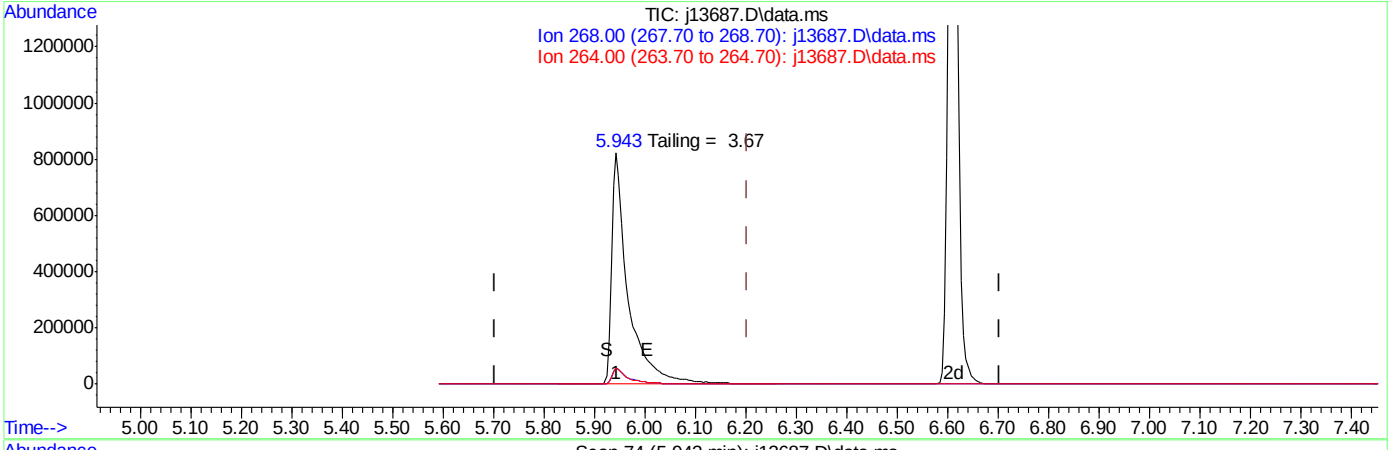
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.0	135432	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.2	130341	PASS
70	69	0.00	2	0.4	563	PASS
127	198	40	60	50.1	144448	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	288299	PASS
199	198	5	9	6.9	19921	PASS
275	198	10	30	29.2	84237	PASS
365	198	1	100	4.9	14155	PASS
441	443	0.01	100	83.7	42573	PASS
442	198	40	100	92.4	266517	PASS
443	442	17	23	19.1	50891	PASS

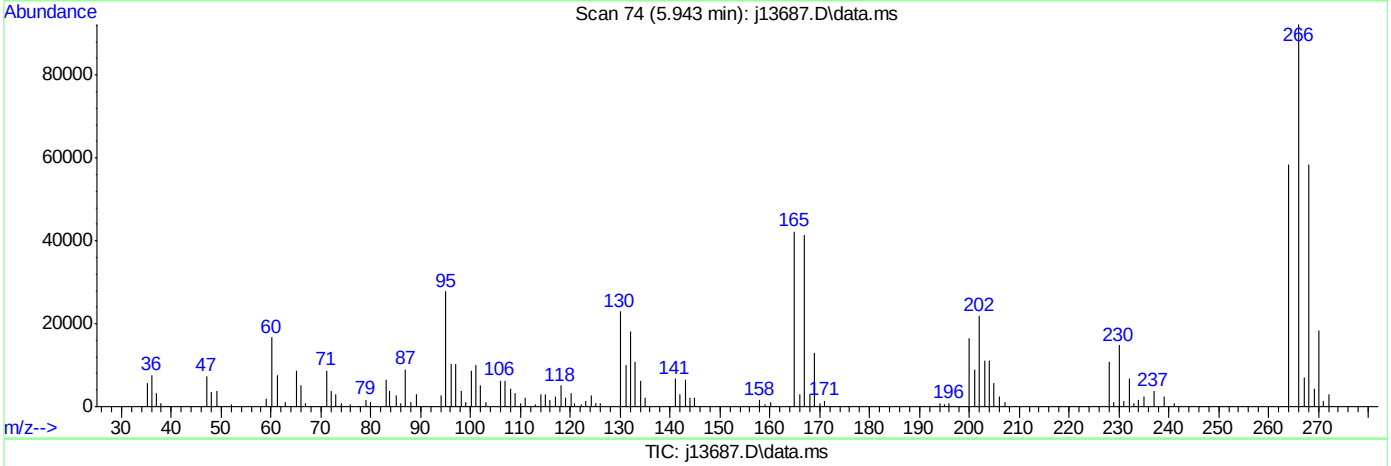
j13687.D dftpp.m Thu Oct 08 10:46:06 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On : 8 Oct 2009 10:34 am
Operator : sheilac
Sample : dftpp
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration





TIC: j13687.D\data.ms

(1) Pentachlorophenol

5.943min (-0.260) 0.00

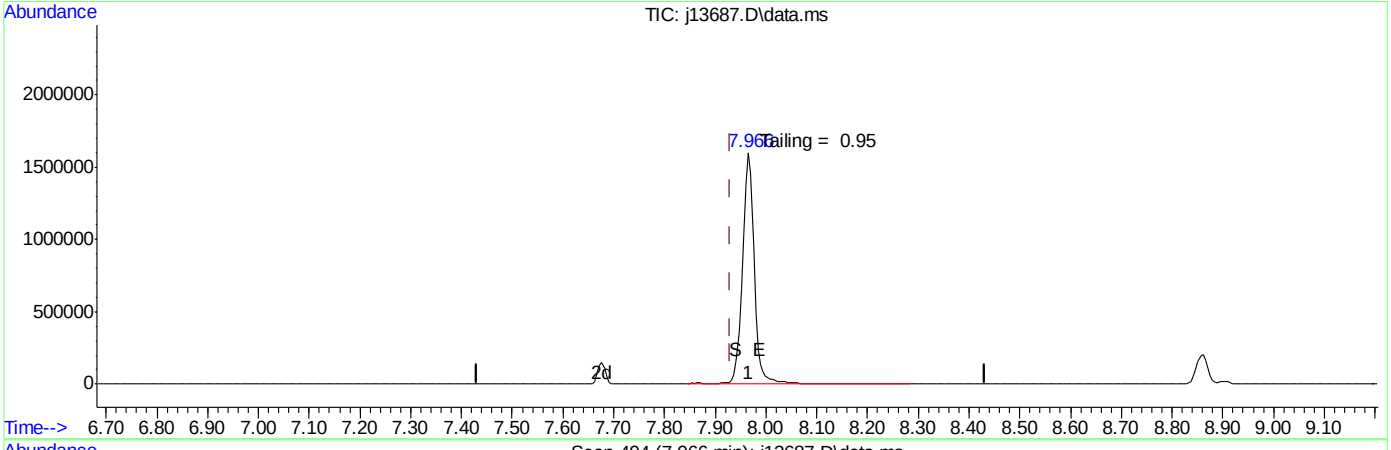
response 1866076

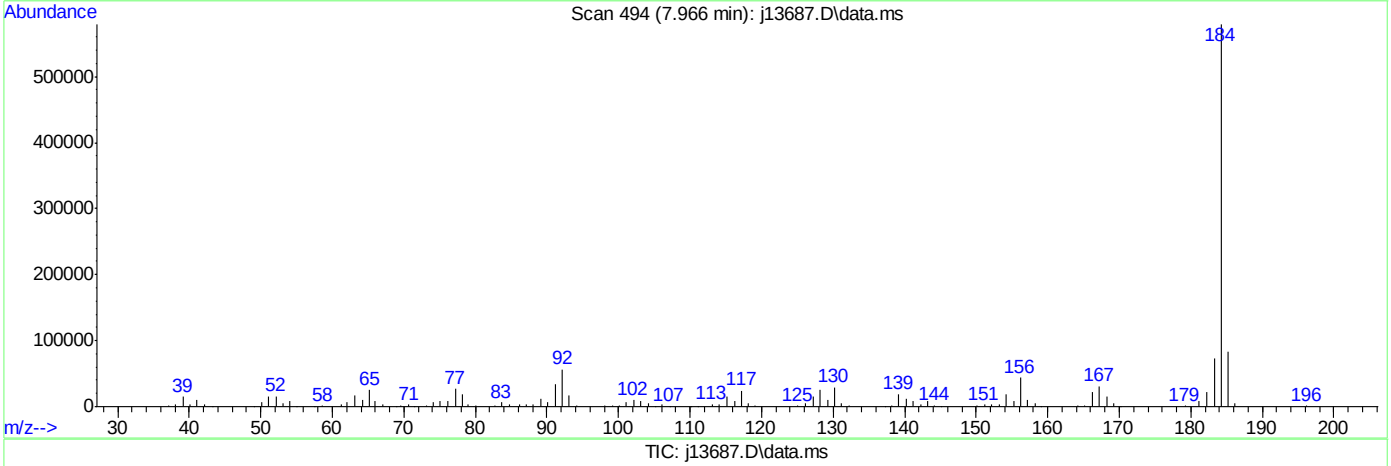
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.51#
264.00	697.70	7.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On    :  8 Oct 2009  10:34 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13687.D\data.ms

(3) Benzidine

7.966min (+0.034) 0.00

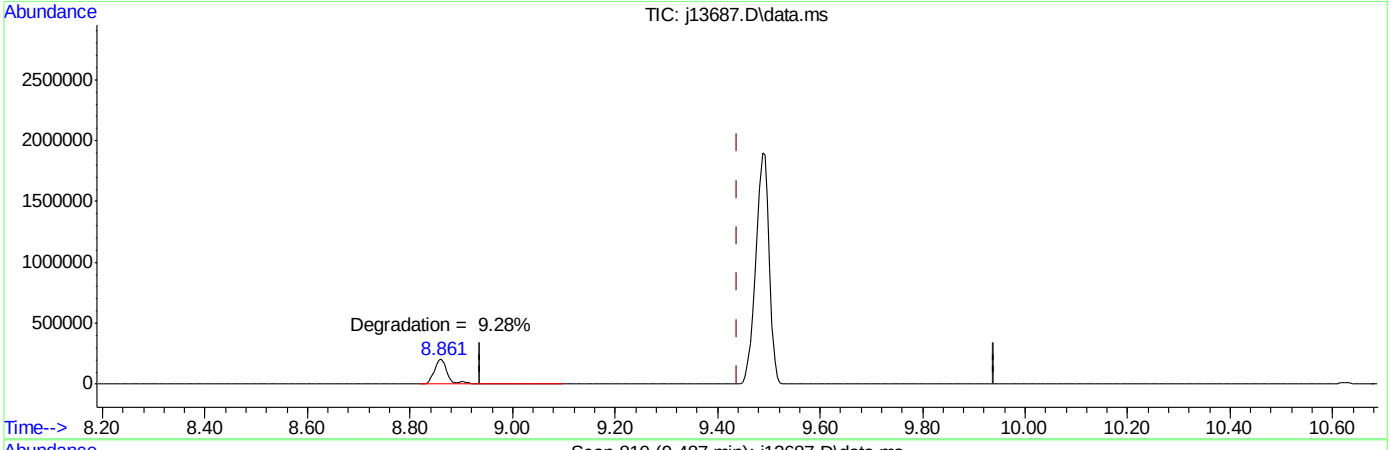
response 2598513

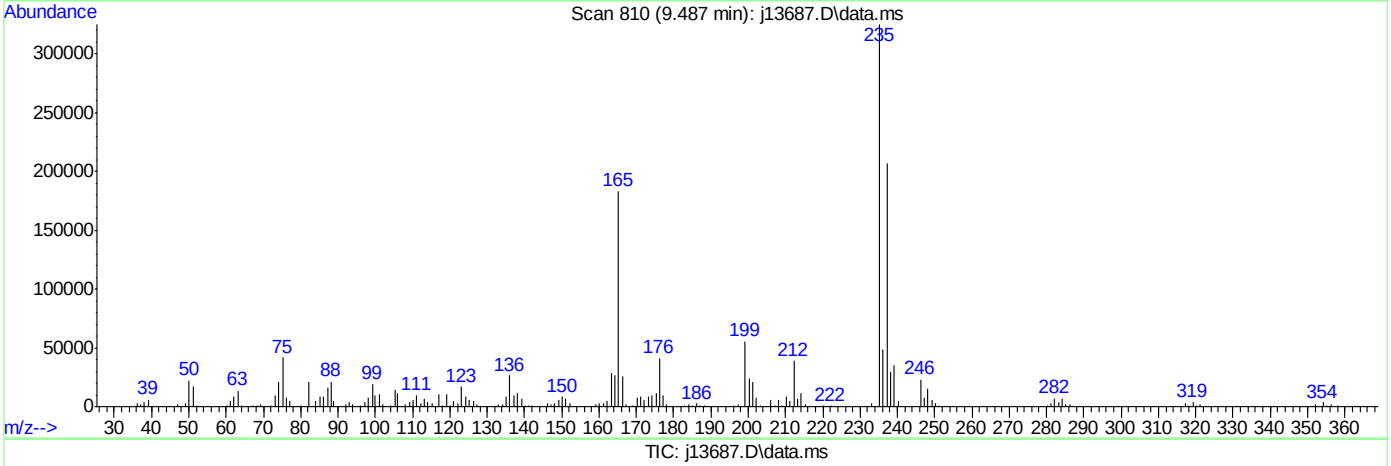
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13687.D
Acq On    :  8 Oct 2009  10:34 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 10:47:17 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13687.D\data.ms

(4) DDT

9.487min (+0.048) 0.00

response 3445977

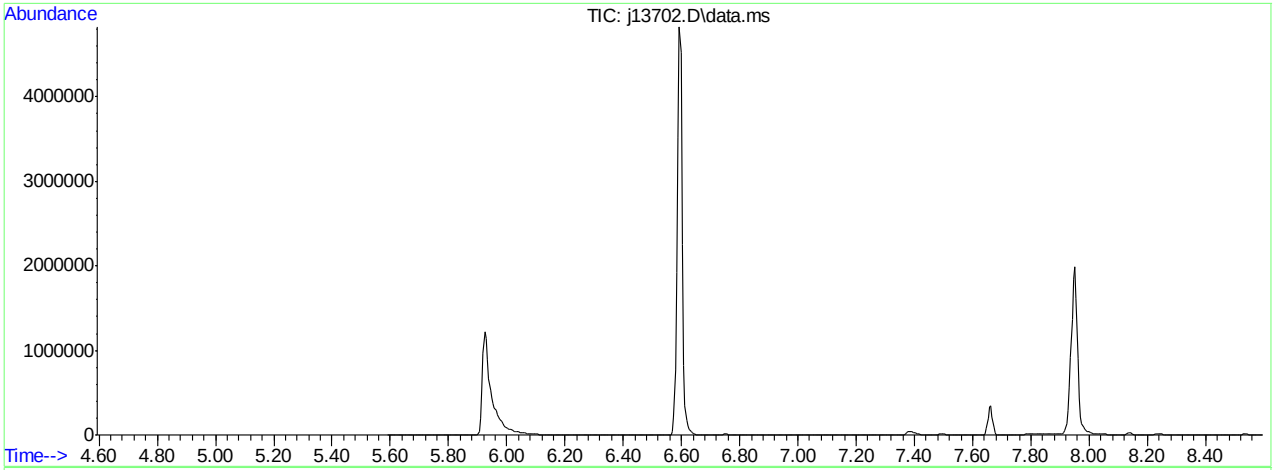
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

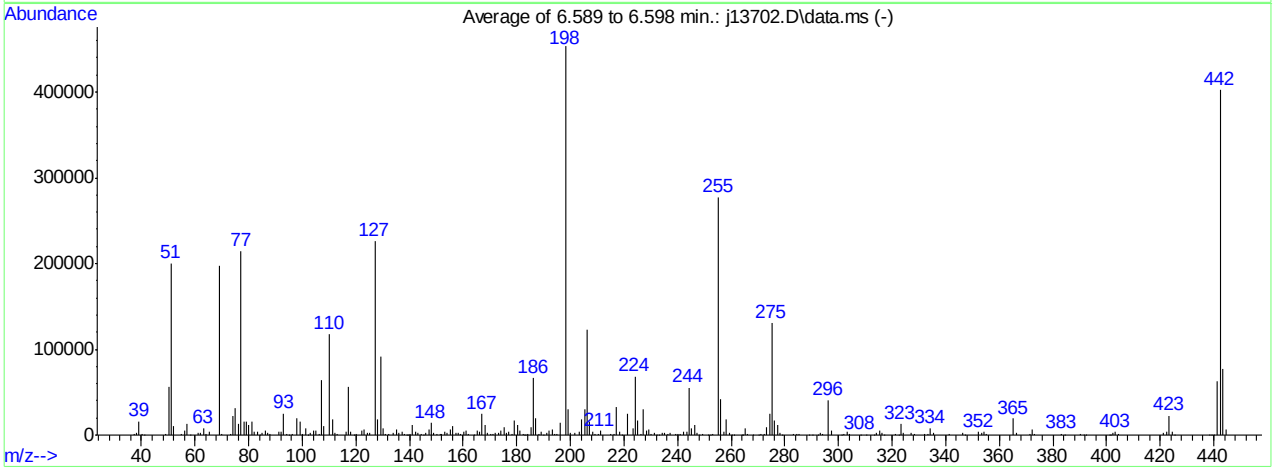
DFTPP

Data File : C:\msdchem\1\DATA\ej630\j13702.D
Acq On : 8 Oct 2009 6:30 pm
Sample : dftpp
Misc : op12949,Ej630,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 208, 209, 210; Background Corrected with Scan 200

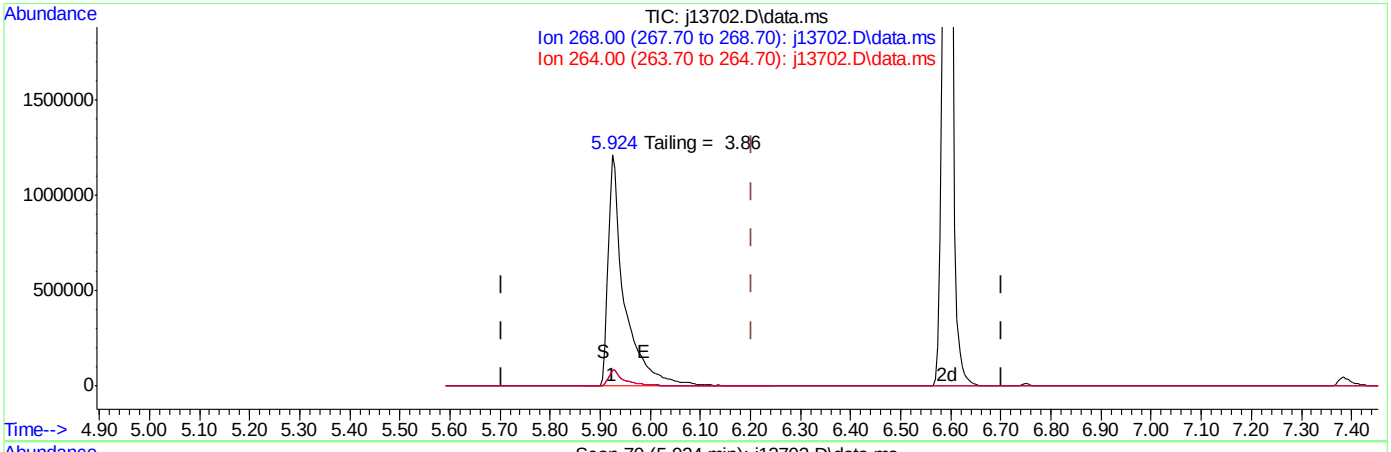
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.2	200192	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.6	197781	PASS
70	69	0.00	2	0.6	1157	PASS
127	198	40	60	50.0	226389	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	453163	PASS
199	198	5	9	6.8	30736	PASS
275	198	10	30	28.8	130483	PASS
365	198	1	100	4.3	19379	PASS
441	443	0.01	100	81.9	63435	PASS
442	198	40	100	88.7	402155	PASS
443	442	17	23	19.3	77491	PASS

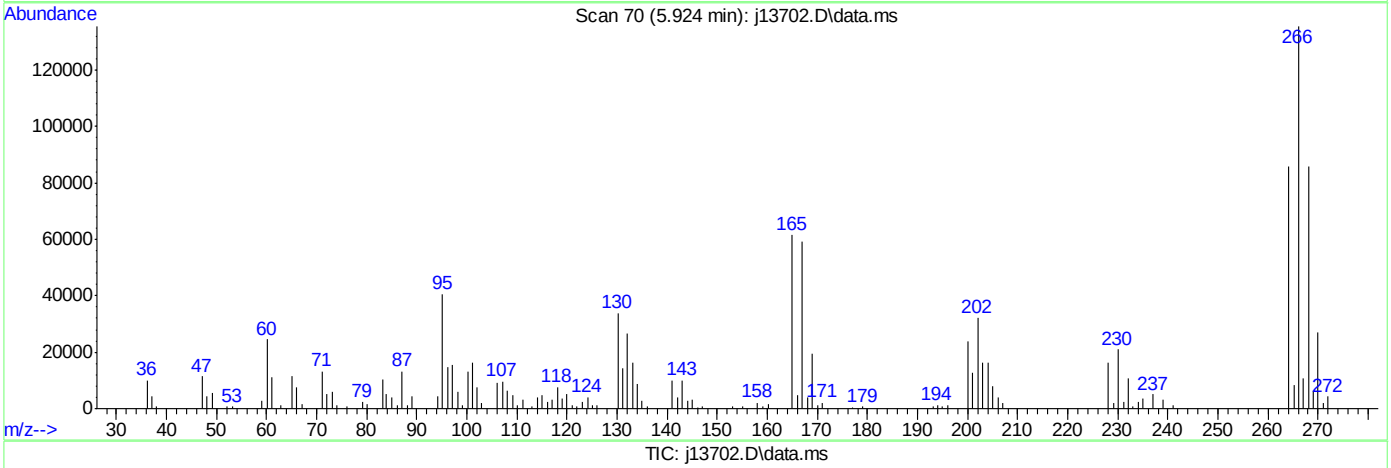
j13702.D dftpp.m Thu Oct 08 19:20:32 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13702.D
Acq On    :  8 Oct 2009   6:30 pm
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej630,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 19:20:37 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





(1) Pentachlorophenol

5.924min (-0.279) 0.00

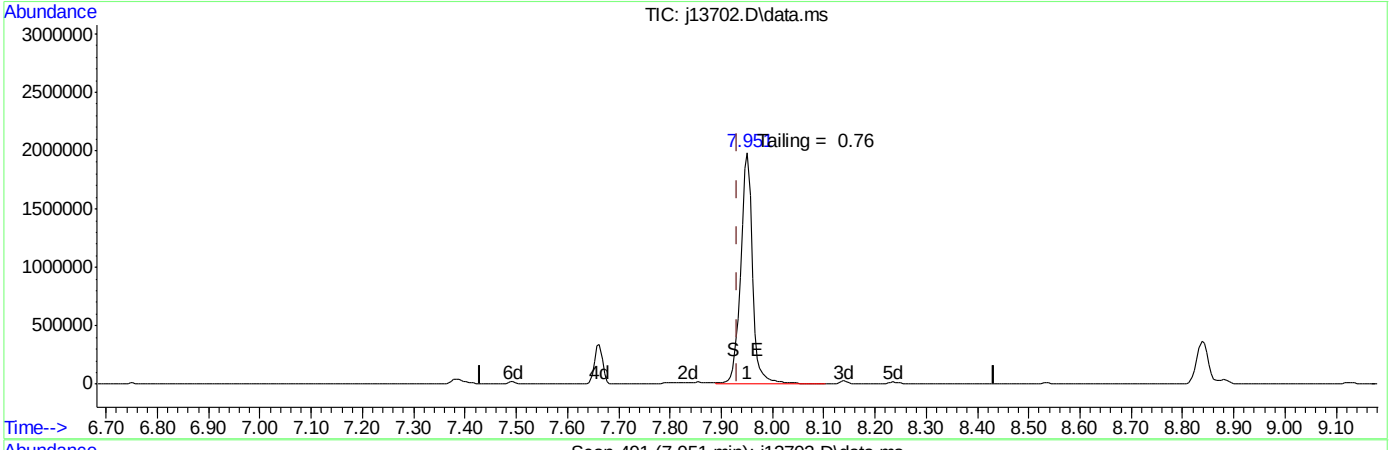
response 2740294

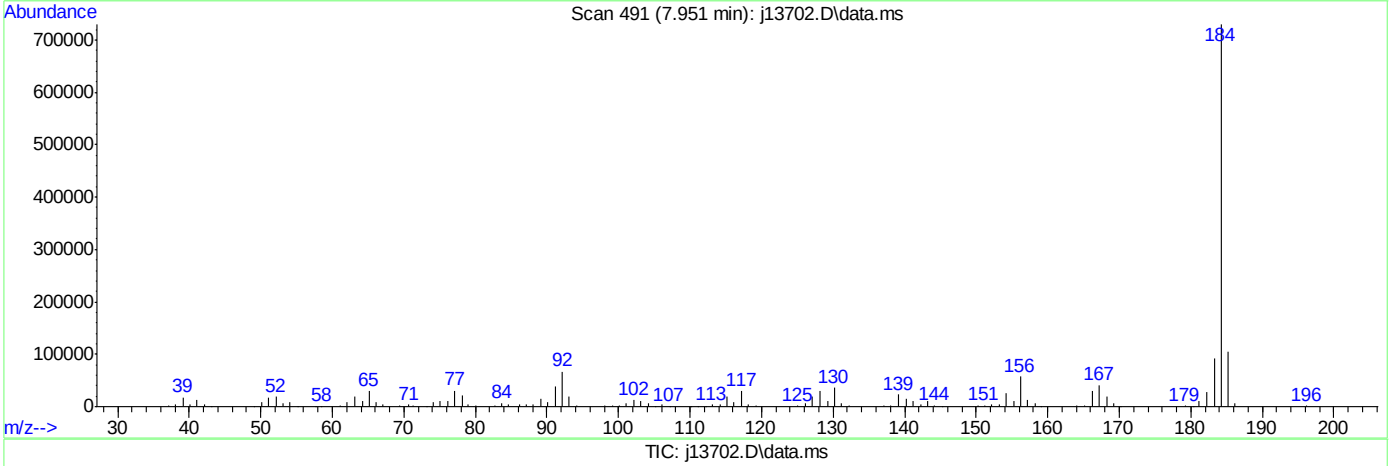
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.40#
264.00	697.70	7.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13702.D
Acq On    :  8 Oct 2009   6:30 pm
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej630,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 19:20:37 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13702.D\data.ms

(3) Benzidine

7.951min (+0.019) 0.00

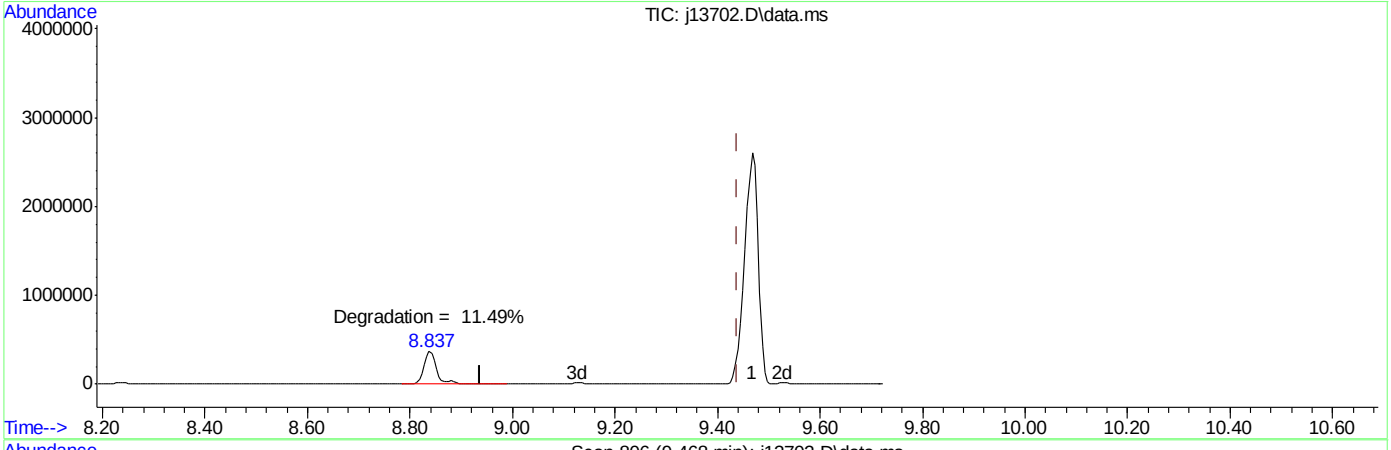
response 3160646

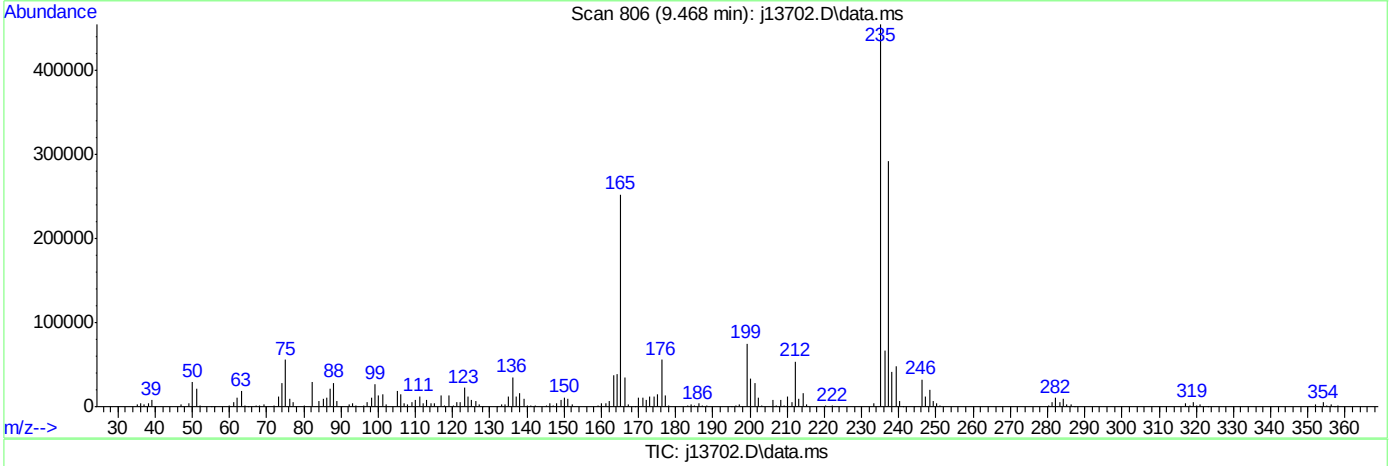
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13702.D
Acq On    :  8 Oct 2009   6:30 pm
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej630,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 08 19:20:37 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13702.D\data.ms

(4) DDT

9.468min (+0.029) 0.00

response 4882703

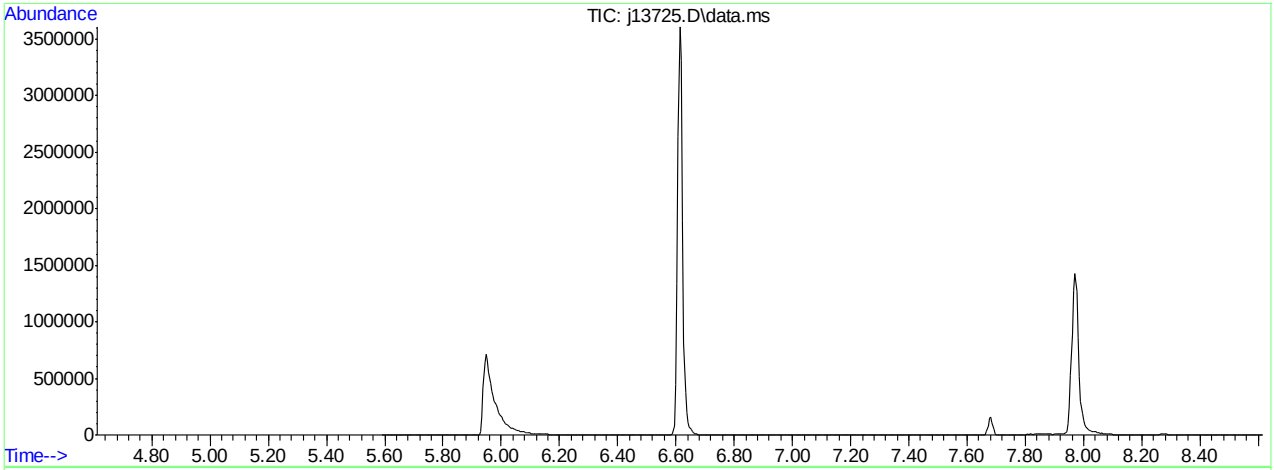
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

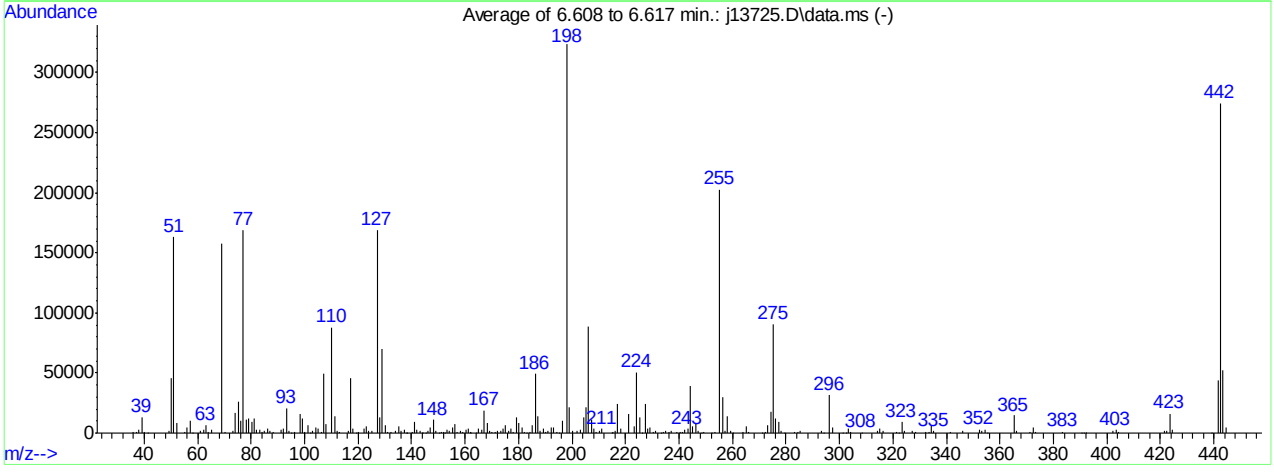
DFTPP

Data File : C:\msdchem\1\DATA\ej631\j13725.D
Acq On : 9 Oct 2009 9:13 am
Sample : dftpp
Misc : op12949,Ej631,1000,,,1,1,water
MS Integration Params: rteint.p

Vial: 1
Operator: sheilac
Inst : AGC-VOA-MSJ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\dftpp.m (RTE Integrator)
Title :





AutoFind: Scans 212, 213, 214; Background Corrected with Scan 205

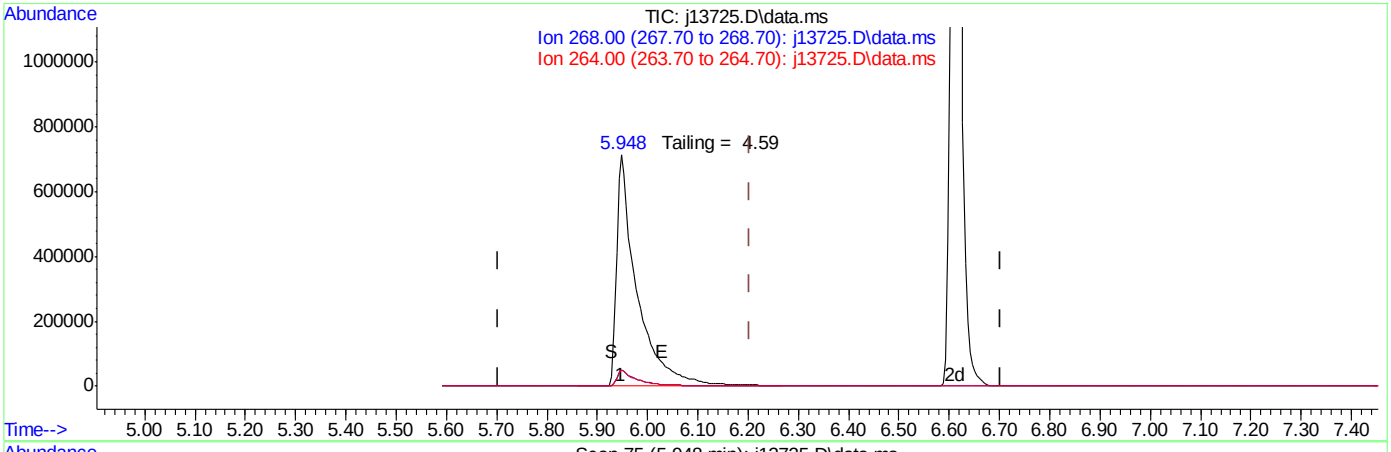
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.4	163051	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.8	157696	PASS
70	69	0.00	2	0.6	898	PASS
127	198	40	60	52.3	169259	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	323435	PASS
199	198	5	9	6.7	21683	PASS
275	198	10	30	28.0	90573	PASS
365	198	1	100	4.5	14570	PASS
441	443	0.01	100	82.7	43453	PASS
442	198	40	100	84.9	274475	PASS
443	442	17	23	19.2	52571	PASS

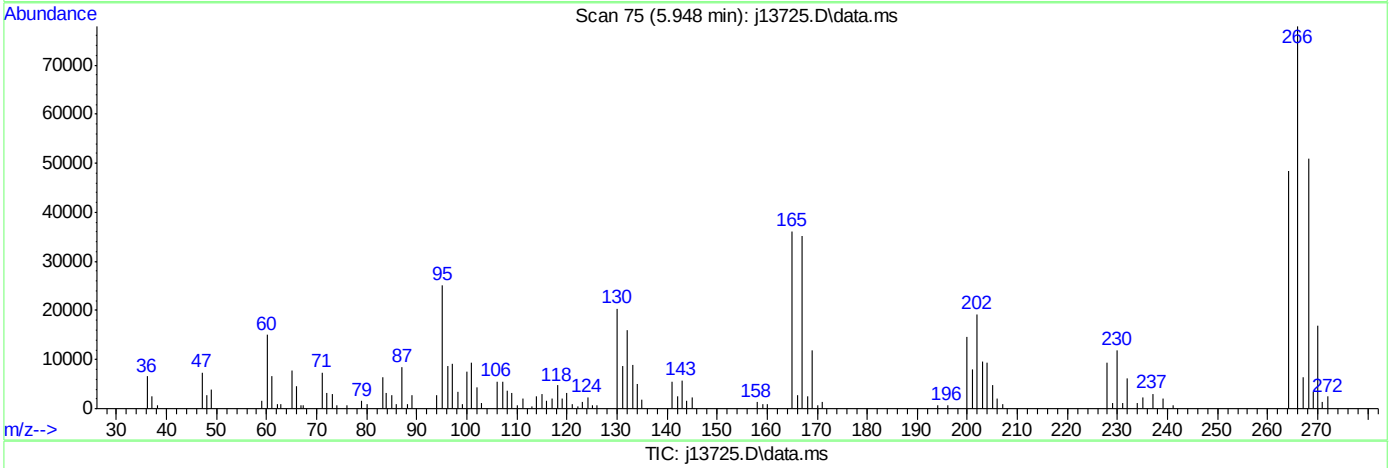
j13725.D dftpp.m Fri Oct 09 09:19:28 2009

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13725.D
Acq On    :  9 Oct 2009   9:13 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej631,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 09 09:19:42 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13725.D\data.ms

(1) Pentachlorophenol

5.948min (-0.255) 0.00

response 2003294

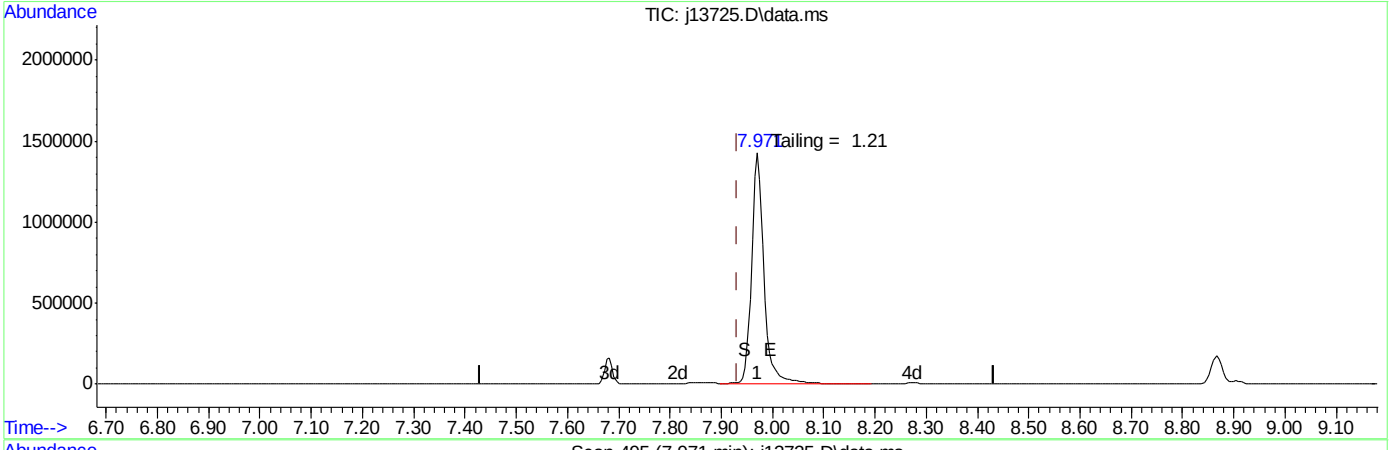
Signal	Exp%	Act%
TIC	100	100
268.00	713.00	7.38#
264.00	697.70	7.07#
0.00	0.00	0.00

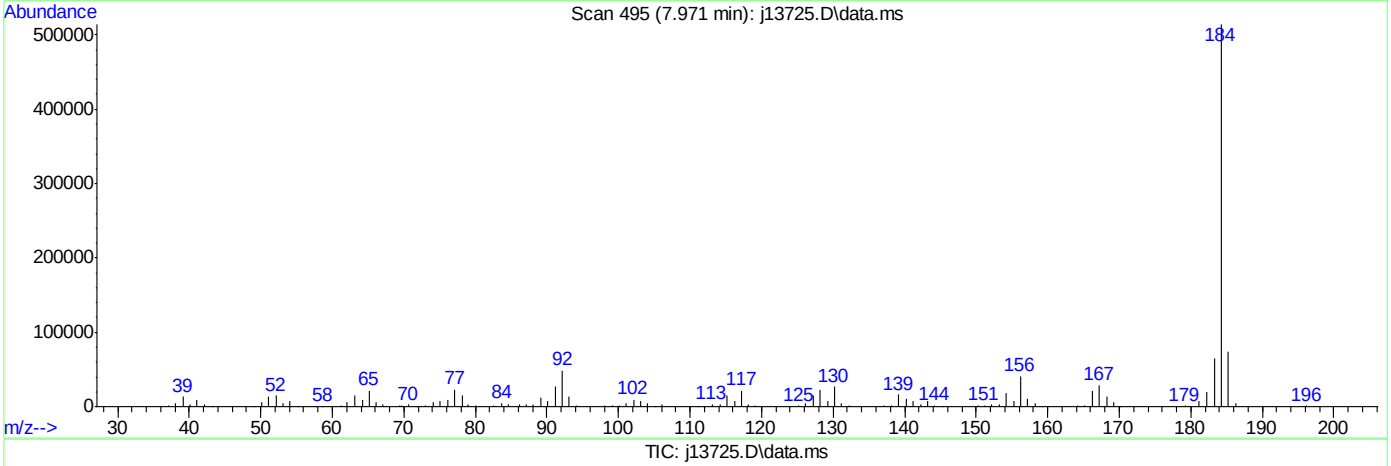
ACCUTEST Laboratories

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13725.D
Acq On    :  9 Oct 2009   9:13 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej631,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 09 09:19:42 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13725.D\data.ms

(3) Benzidine

7.971min (+0.039) 0.00

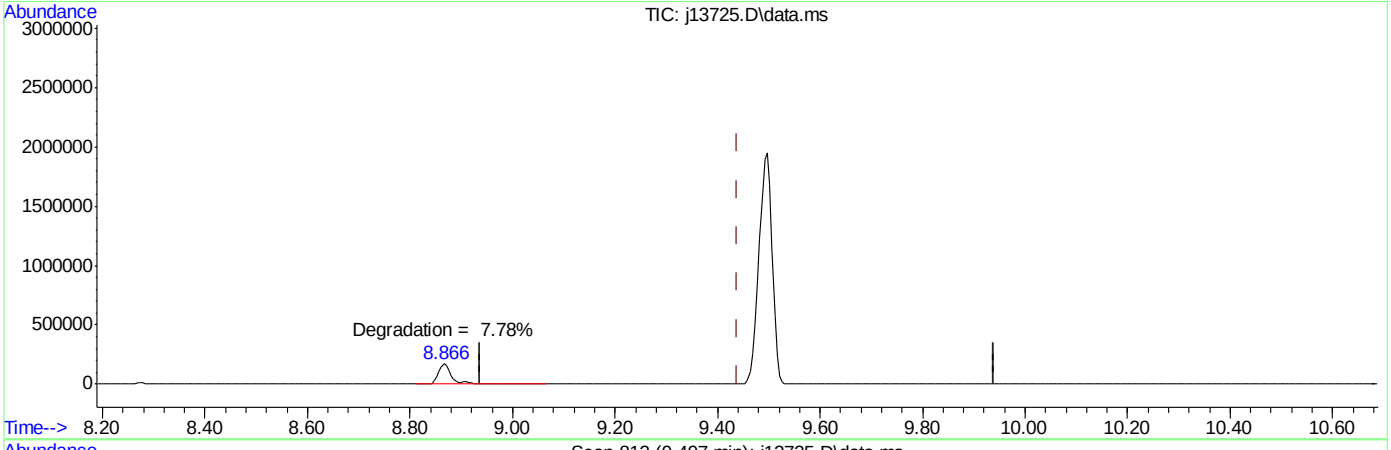
response 2392922

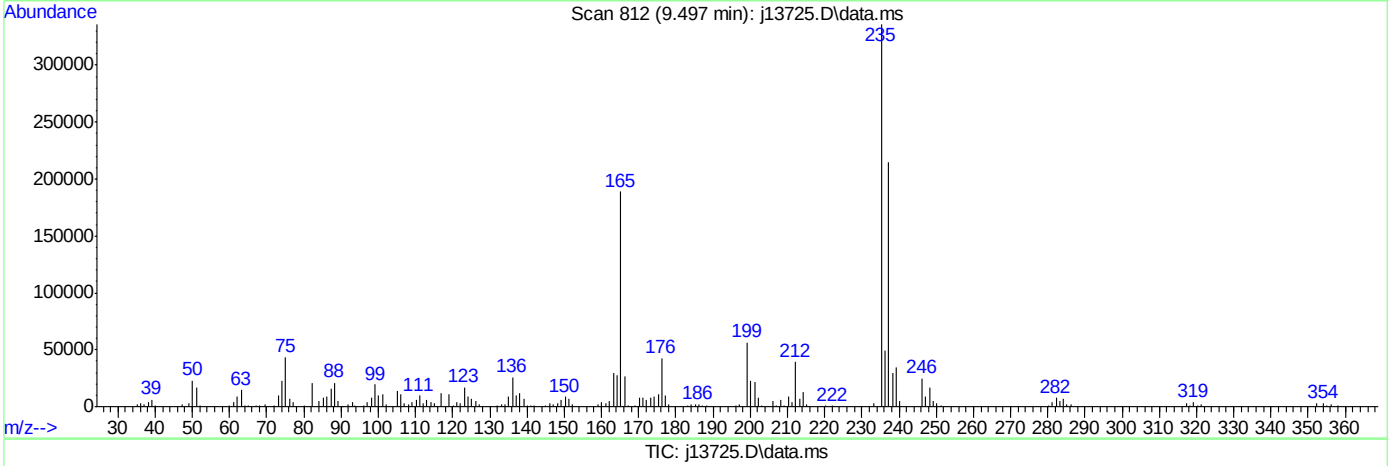
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13725.D
Acq On    :  9 Oct 2009   9:13 am
Operator  : sheilac
Sample    : dftpp
Misc      : op12949,Ej631,1000,,,1,1,water
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 09 09:19:42 2009
Quant Method : C:\msdchem\1\METHODS\dftpp.m
Quant Title  :
QLast Update : Wed Oct 07 16:21:49 2009
Response via : Initial Calibration
```





TIC: j13725.D\data.ms

(4) DDT

9.497min (+0.058) 0.00

response 3526414

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST Laboratories

Manual Integrations
APPROVED
(compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 11:11:13 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	77139	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	45884	4.00	ppb	0.03
9) Acenaphthene-d10	9.57	164	45497	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	53809	4.00	ppb	0.02
21) Chrysene-d12	13.87	240	60190	4.00	ppb	0.00
26) Perylene-d12	16.31	264	19676	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	15971	4.14	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	82.80%	
10) 2-Fluorobiphenyl	8.87	172	136670	3.47	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	69.40%	
16) 2,4,6-Tribromophenol	10.40	330	26435	8.57	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery	=	85.70%	
23) Terphenyl-d14	12.65	244	34181	4.32	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	86.40%	

Target Compounds

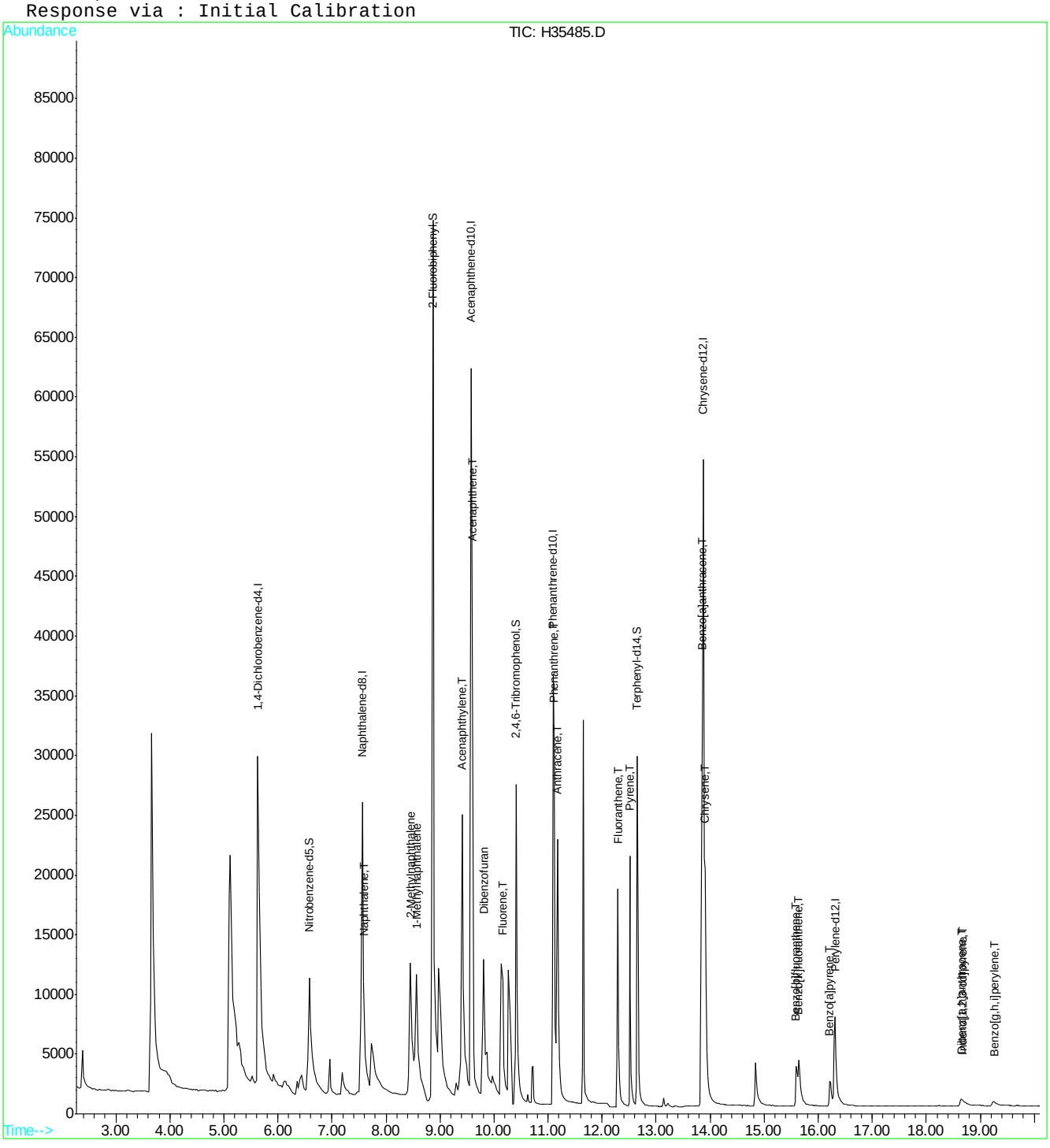
							Qvalue
6) Naphthalene	7.59	128	18609	0.72	ppb	#	86
7) 2-Methylnaphthalene	8.45	142	23285	1.57	ppb	#	100
8) 1-Methylnaphthalene	8.56	142	23423	0.78	ppb	#	57
11) Acenaphthylene	9.41	152	39521	0.57	ppb	#	87
12) Acenaphthene	9.60	153	27240	0.89	ppb		79
13) Dibenzofuran	9.81	168	23455	0.36	ppb	#	61
14) Fluorene	10.16	166	15659	0.34	ppb		83
18) Phenanthrene	11.11	178	30569	1.05	ppb	#	81
19) Anthracene	11.17	178	30902	0.85	ppb	#	88
20) Fluoranthene	12.29	202	29118m	0.86	ppb		
22) Pyrene	12.51	202	34089m	1.06	ppb		
24) Benzo[a]anthracene	13.85	228	22019m	1.03	ppb		
25) Chrysene	13.90	228	21150	0.89	ppb		90
27) Benzo[b]fluoranthene	15.59	252	7790	1.04	ppb		96
28) Benzo[k]fluoranthene	15.64	252	10261m	0.93	ppb		
29) Benzo[a]pyrene	16.21	252	6839	1.06	ppb		93
30) Indeno[1,2,3-cd]pyrene	18.67	276	2062	0.88	ppb		98
31) Dibenz[a,h]anthracene	18.65	278	1165	0.76	ppb		89
32) Benzo[g,h,i]perylene	19.25	276	1605	0.88	ppb		94

(#) = qualifier out of range (m) = manual integration
H35485.D H10209SP.M Tue Oct 20 14:43:27 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: H10209SP.RES

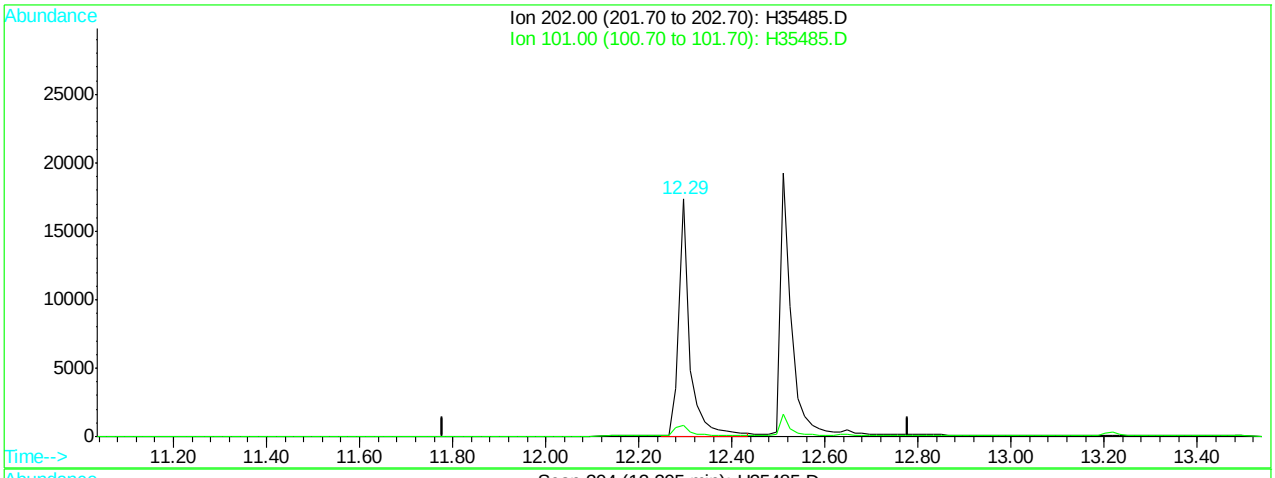
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

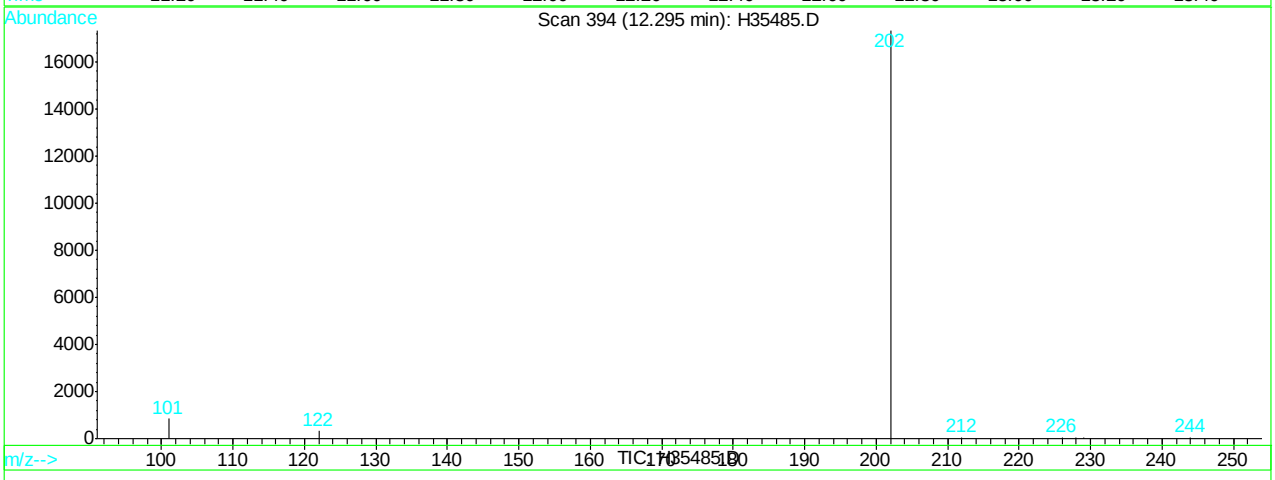


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.29min 0.86ppb m

response 29118

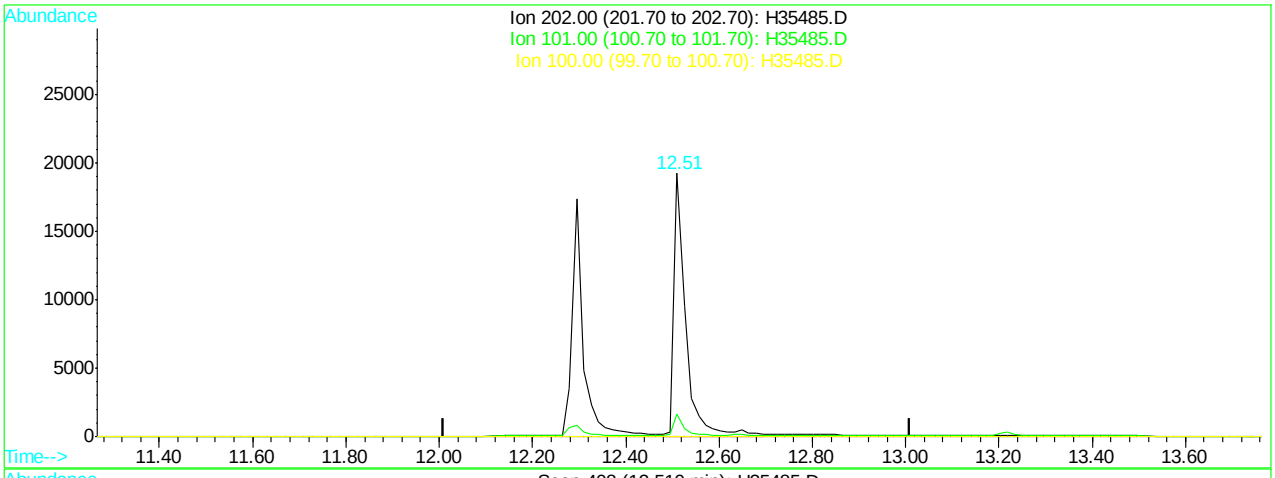
Ion	Exp%	Act%
202.00	100	100
101.00	10.40	4.85#
0.00	0.00	0.00
0.00	0.00	0.00

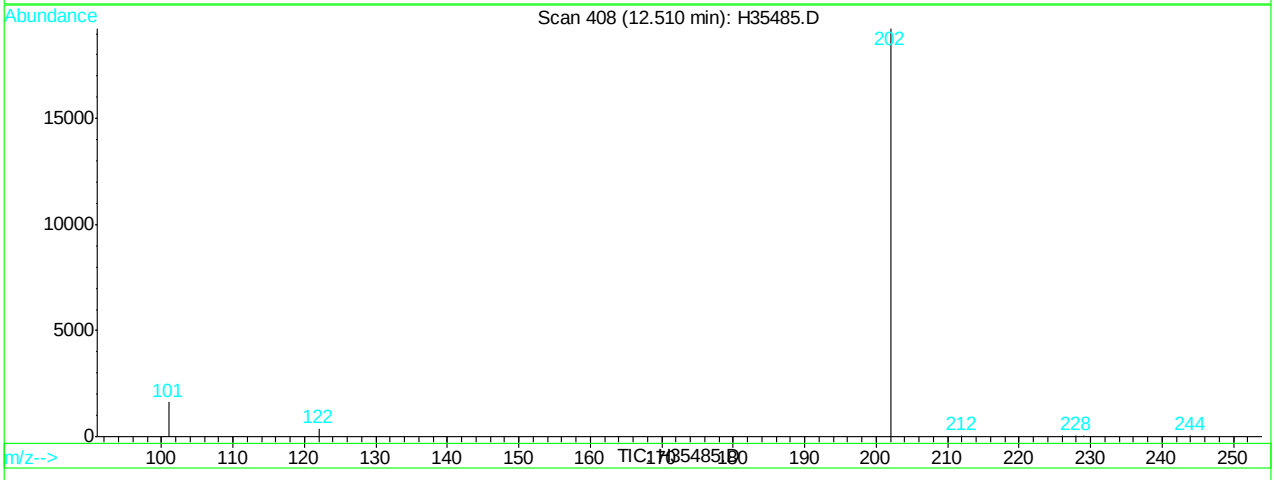
H35485.D H10209SP.M Tue Oct 20 14:44:12 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.51min 1.06ppb m

response 34089

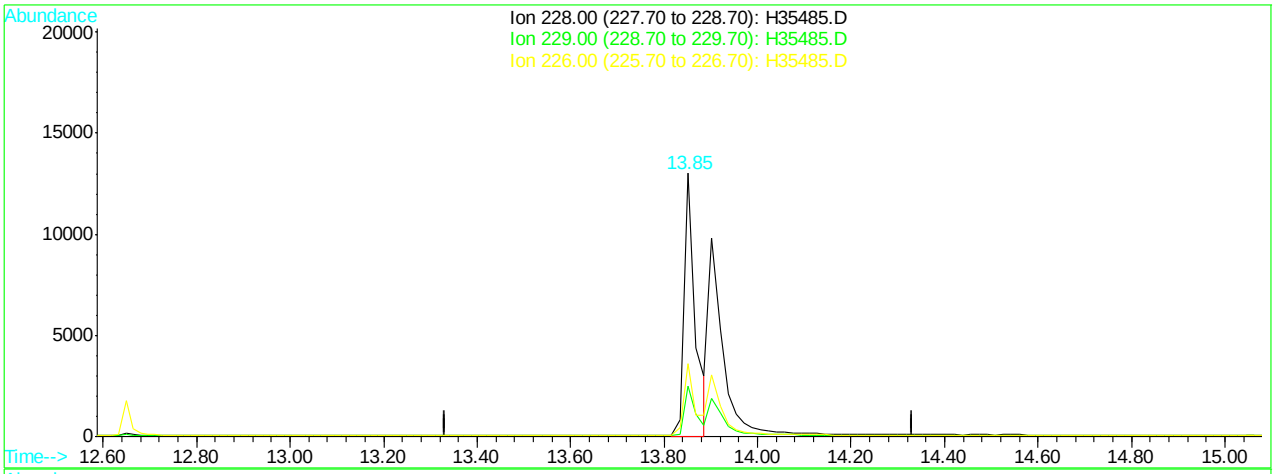
Ion	Exp%	Act%
202.00	100	100
101.00	4.30	8.45#
100.00	0.00	0.00
0.00	0.00	0.00

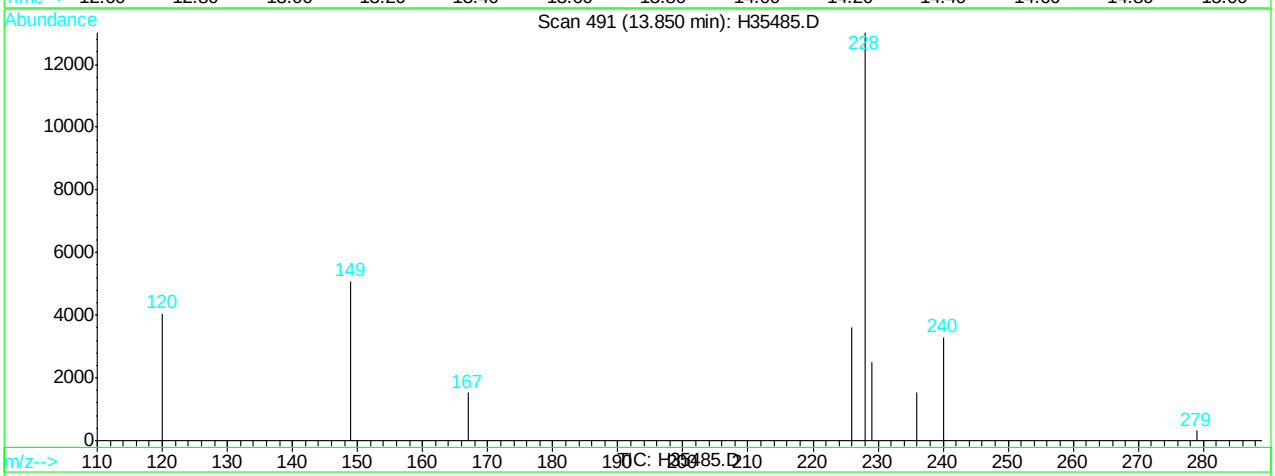
H35485.D H10209SP.M Tue Oct 20 14:44:15 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.85min 1.03ppb m

response 22019

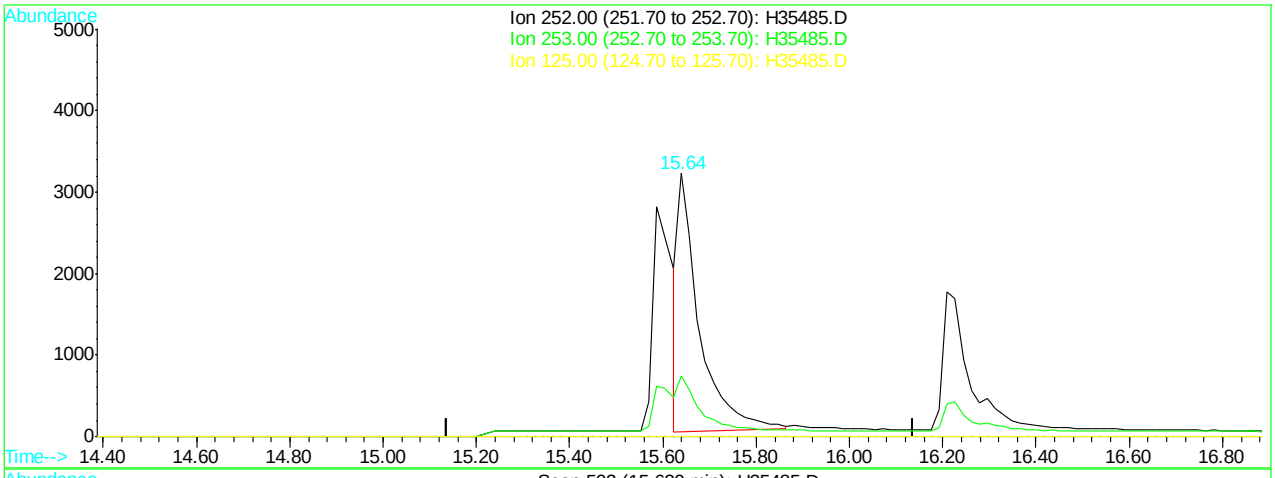
Ion	Exp%	Act%
228.00	100	100
229.00	14.60	19.37#
226.00	34.80	27.85
0.00	0.00	0.00

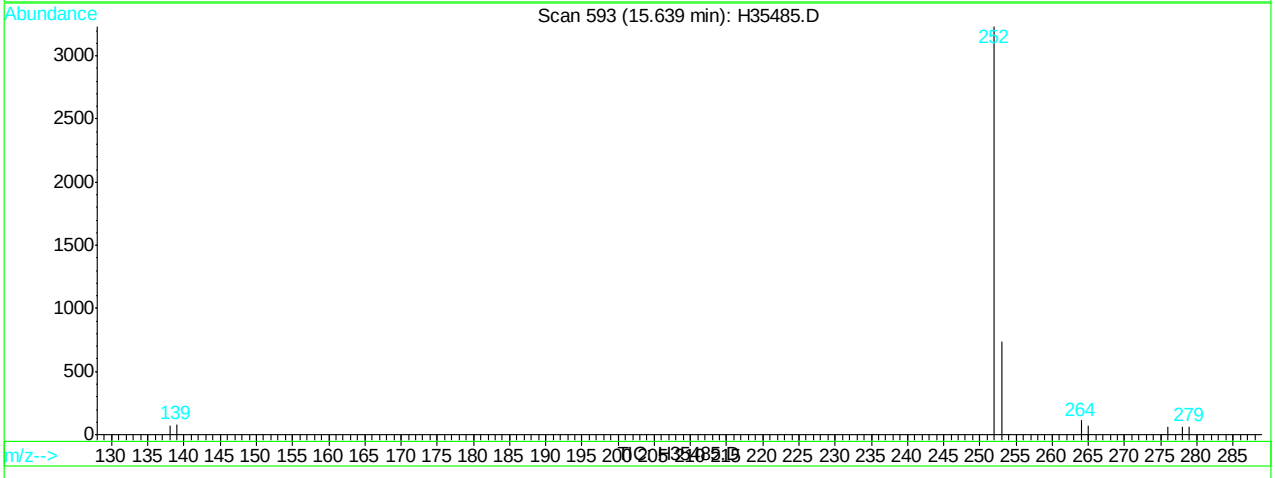
H35485.D H10209SP.M Tue Oct 20 14:44:19 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35485.D Vial: 3
Acq On : 20 Oct 2009 11:10 am Operator: sheilac
Sample : ic1917-1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:33 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 0.93ppb m

response 10261

Ion	Exp%	Act%
252.00	100	100
253.00	23.30	22.90
125.00	0.00	0.00
0.00	0.00	0.00

H35485.D H10209SP.M Tue Oct 20 14:44:26 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 11:11:13 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	70114	4.00	ppb	0.02
4) Naphthalene-d8	7.56	136	53991	4.00	ppb	0.03
9) Acenaphthene-d10	9.57	164	47206	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	61171	4.00	ppb	0.02
21) Chrysene-d12	13.87	240	55386	4.00	ppb	0.00
26) Perylene-d12	16.31	264	15280	4.00	ppb	0.02

System Monitoring Compounds						
5) Nitrobenzene-d5	6.78	82	1467	0.32	ppb	0.23
Spiked Amount 5.000	Range 17 - 131		Recovery	=	6.40%#	
10) 2-Fluorobiphenyl	8.90	172	15695	0.38	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	7.60%#	
16) 2,4,6-Tribromophenol	10.45	330	3504	1.00	ppb	0.07
Spiked Amount 10.000	Range 10 - 123		Recovery	=	10.00%	
23) Terphenyl-d14	12.66	244	3695	0.51	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	10.20%	

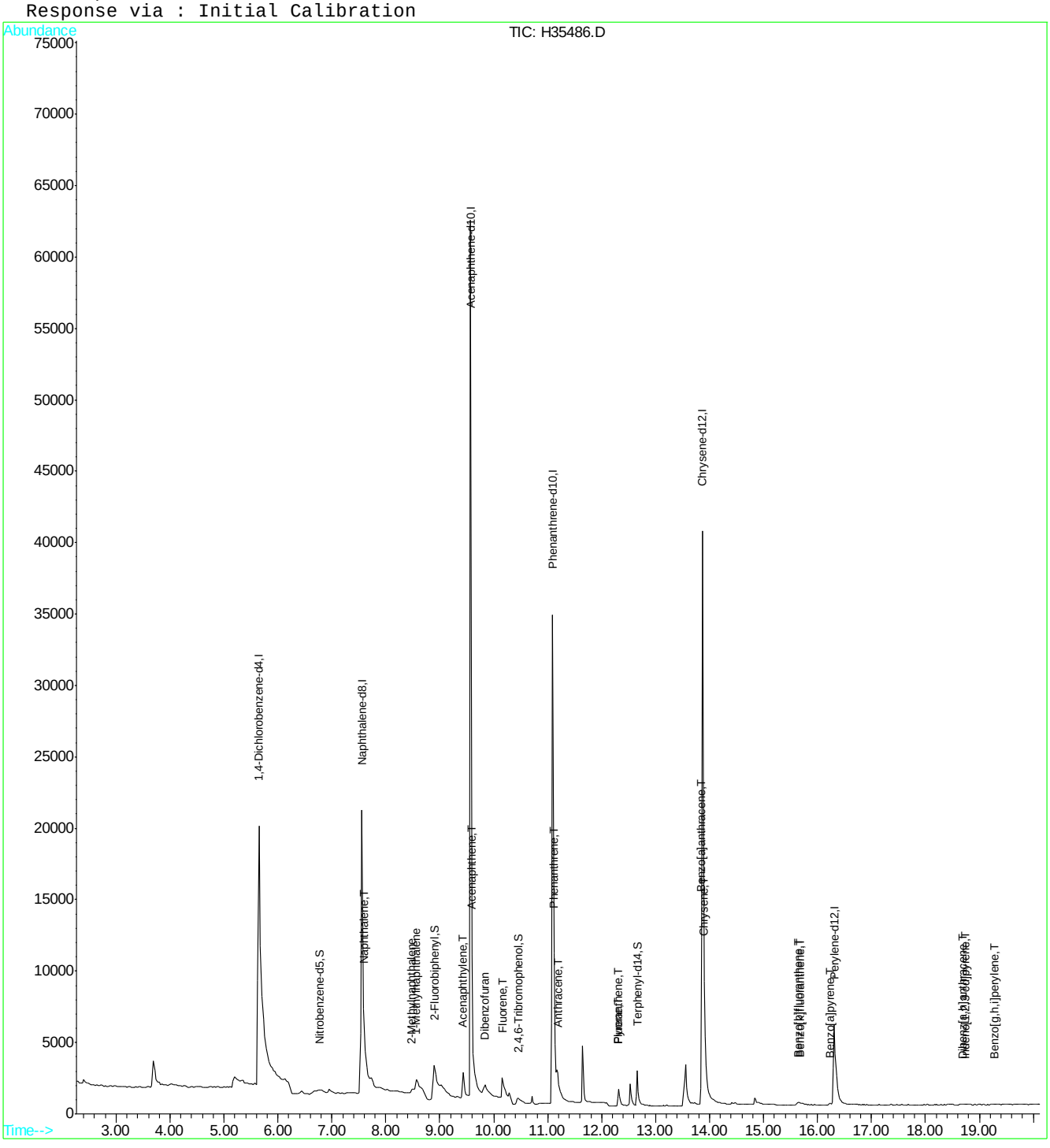
Target Compounds						Qvalue
6) Naphthalene	7.59	128	2066	0.07 ppb	#	86
7) 2-Methylnaphthalene	8.48	142	1120m	0.06 ppb		
8) 1-Methylnaphthalene	8.57	142	4140m	0.12 ppb		
11) Acenaphthylene	9.43	152	3174	0.04 ppb		96
12) Acenaphthene	9.59	153	3114	0.10 ppb	#	69
13) Dibenzofuran	9.84	168	2921	0.04 ppb	#	72
14) Fluorene	10.16	166	2525	0.05 ppb		91
18) Phenanthrene	11.11	178	3783	0.11 ppb	#	84
19) Anthracene	11.19	178	4080	0.10 ppb		90
20) Fluoranthene	12.31	202	3370	0.09 ppb	#	85
22) Pyrene	12.31	202	3370	0.11 ppb		98
24) Benzo[a]anthracene	13.85	228	2030	0.10 ppb		99
25) Chrysene	13.90	228	2480m	0.11 ppb		
27) Benzo[b]fluoranthene	15.64	252	326m	0.06 ppb		
28) Benzo[k]fluoranthene	15.67	252	771m	0.09 ppb		
29) Benzo[a]pyrene	16.23	252	310	0.06 ppb		95
30) Indeno[1,2,3-cd]pyrene	18.74	276	78	0.04 ppb	#	48
31) Dibenz[a,h]anthracene	18.68	278	58	0.05 ppb	#	22
32) Benzo[g,h,i]perylene	19.27	276	57	0.04 ppb		83

(#) = qualifier out of range (m) = manual integration
H35486.D H10209SP.M Tue Oct 20 14:44:33 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: H10209SP.RES

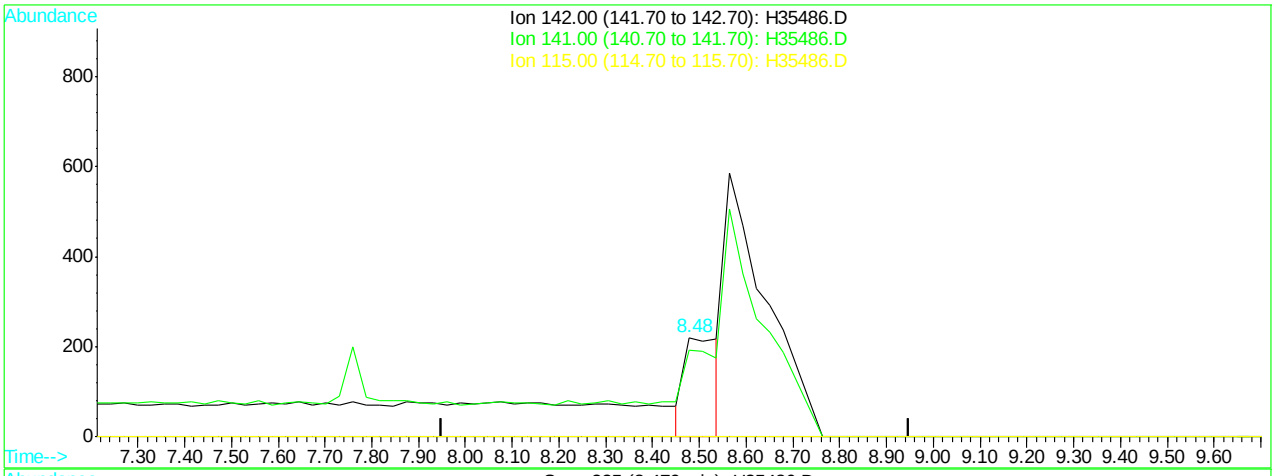
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

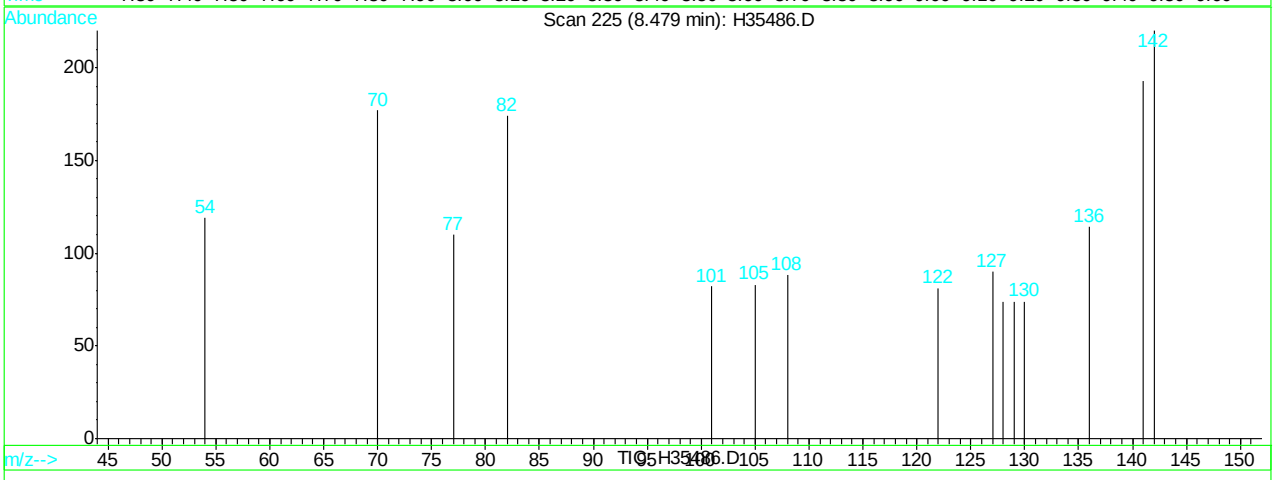


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.48min 0.06ppb m

response 1120

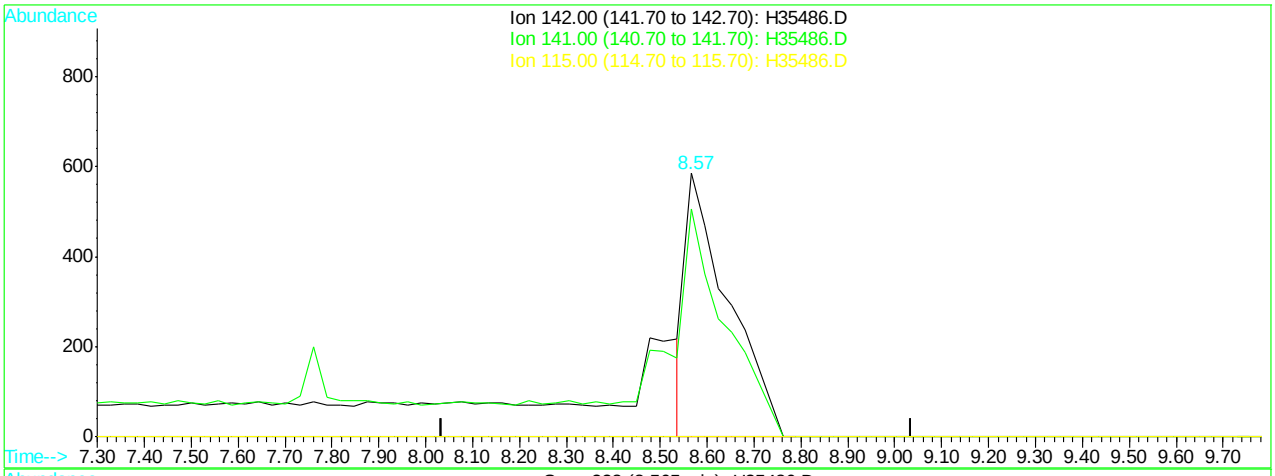
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	400.45#
115.00	0.00	0.00
0.00	0.00	0.00

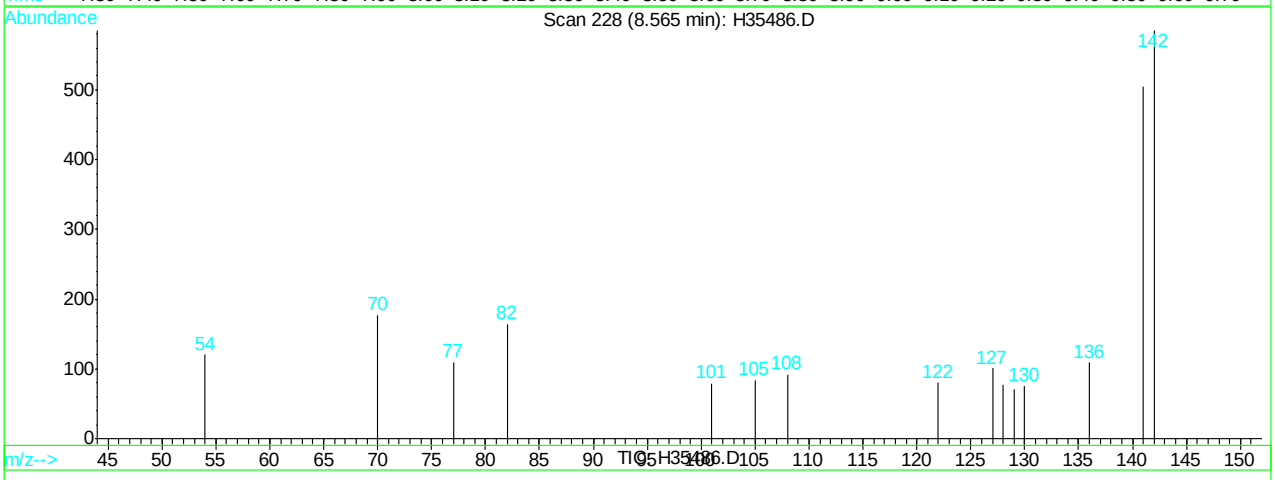
H35486.D H10209SP.M Tue Oct 20 14:44:54 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.57min 0.12ppb m

response 4140

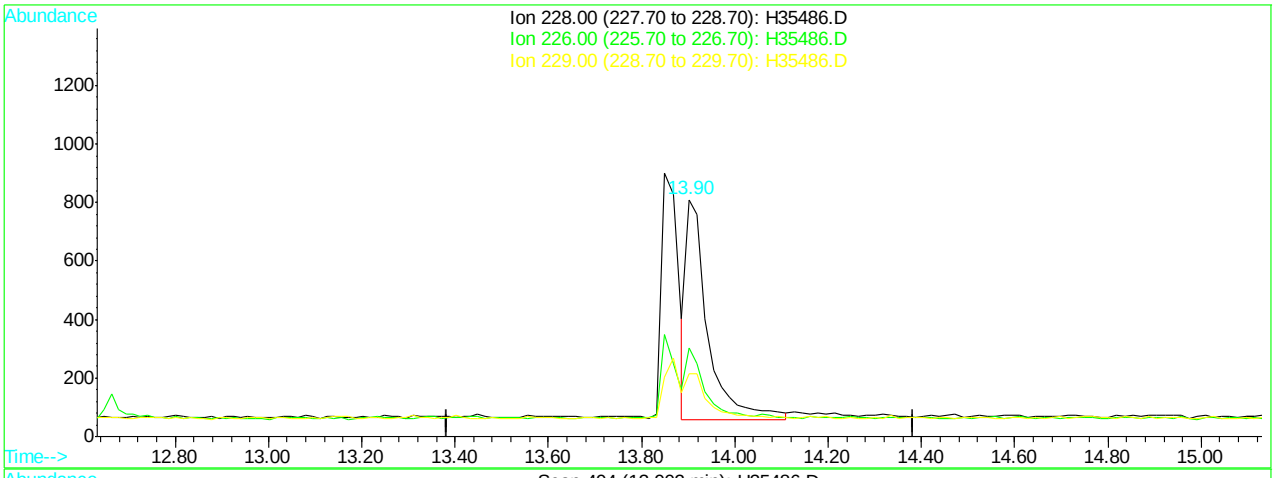
Ion	Exp%	Act%
142.00	100	100
141.00	134.10	108.33
115.00	0.00	0.00
0.00	0.00	0.00

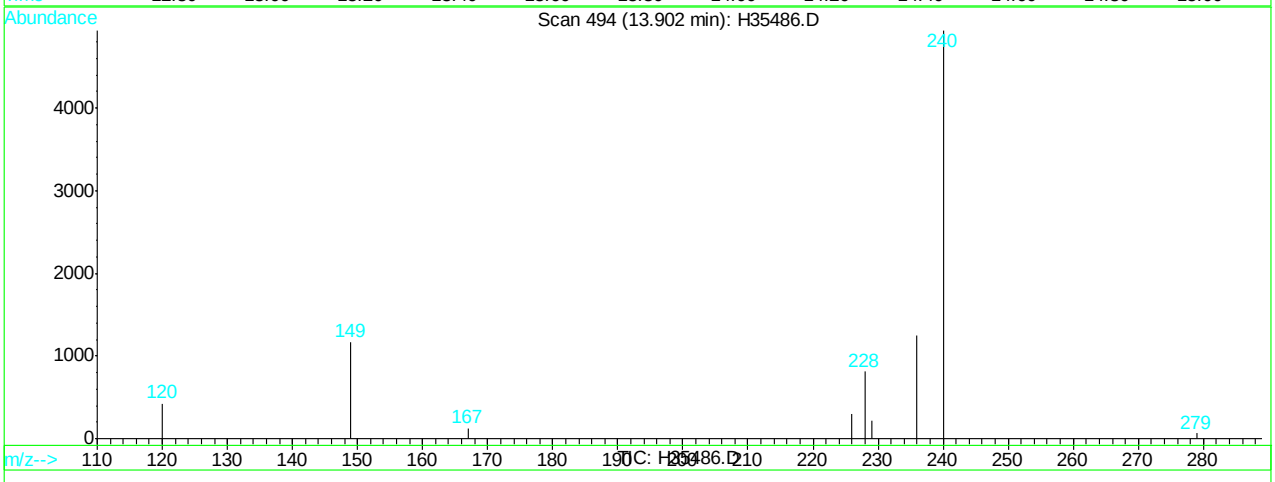
H35486.D H10209SP.M Tue Oct 20 14:44:57 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.90min 0.11ppb m

response 2480

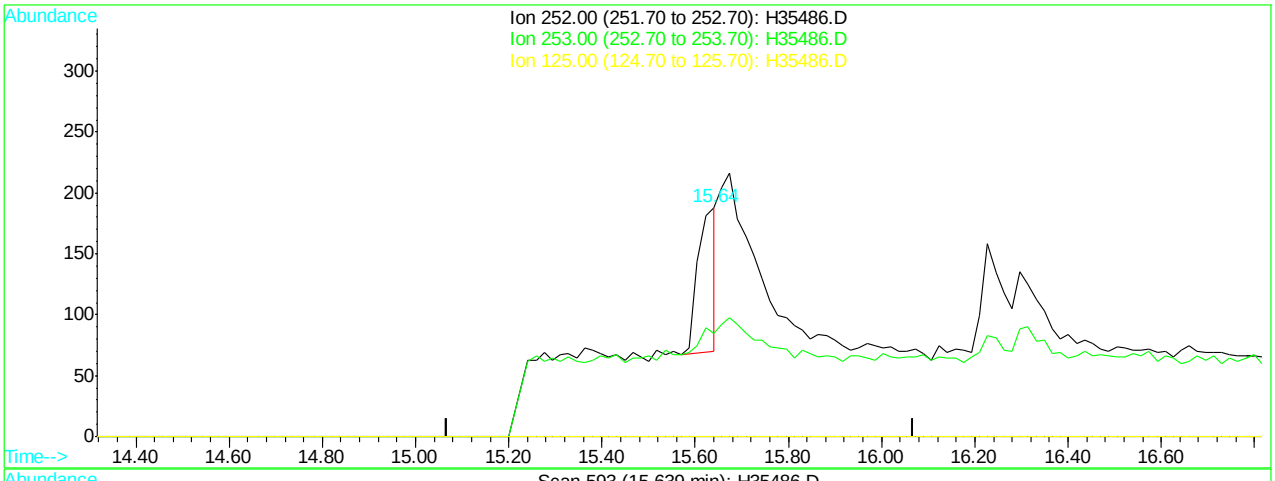
Ion	Exp%	Act%
228.00	100	100
226.00	36.50	37.16
229.00	15.50	26.54#
0.00	0.00	0.00

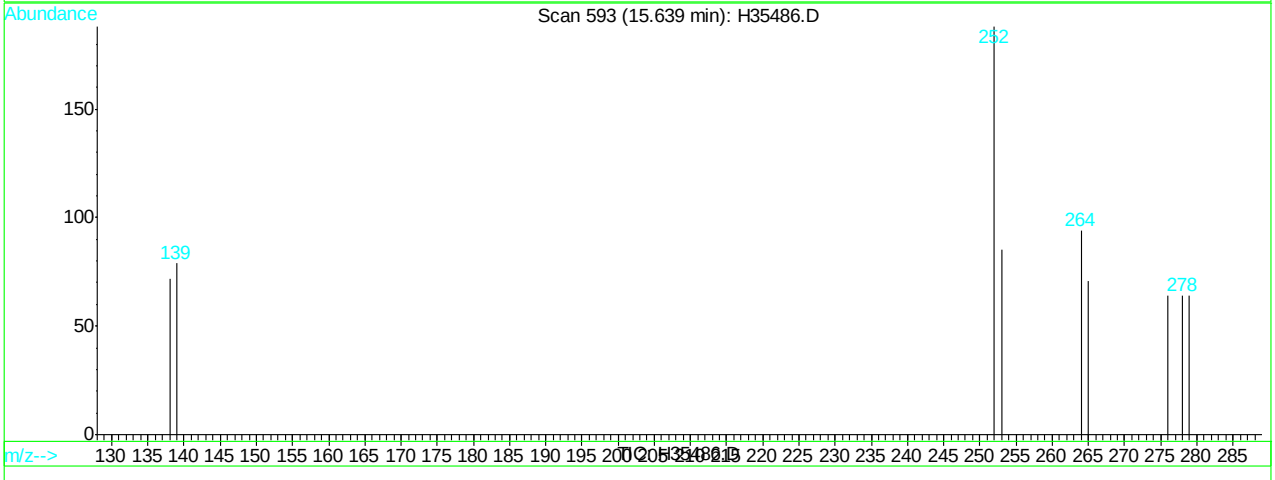
H35486.D H10209SP.M Tue Oct 20 14:45:04 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 0.06ppb m

response 326

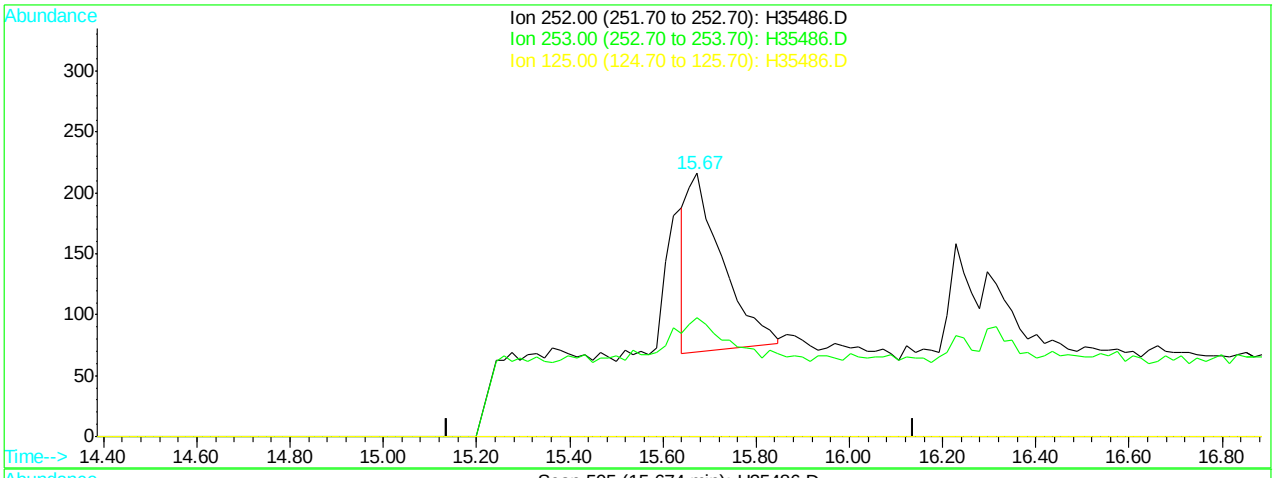
Ion	Exp%	Act%
252.00	100	100
253.00	21.70	45.21#
125.00	0.00	0.00
0.00	0.00	0.00

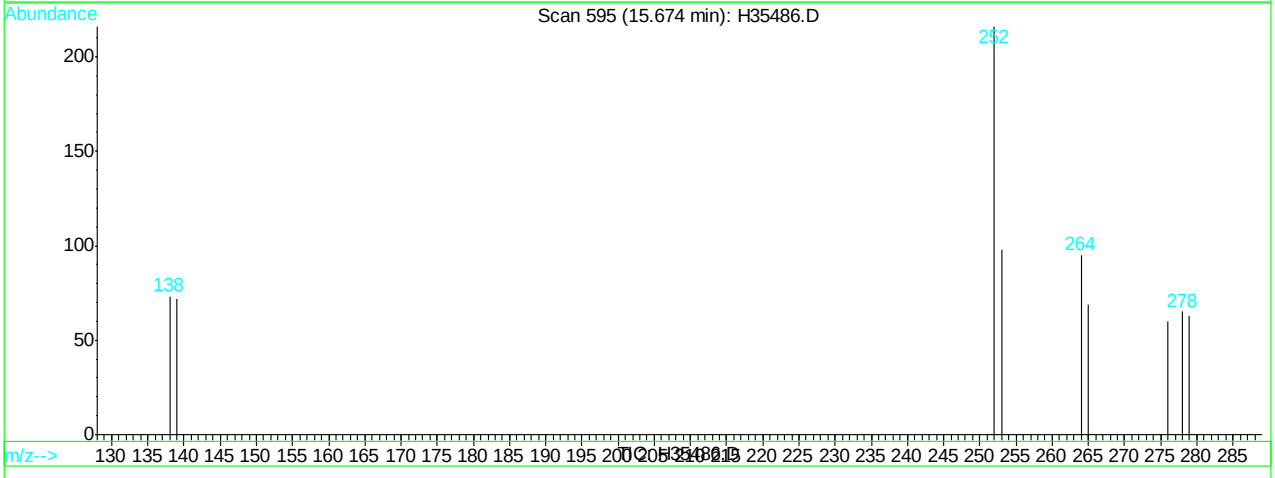
H35486.D H10209SP.M Tue Oct 20 14:45:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35486.D Vial: 4
Acq On : 20 Oct 2009 11:34 am Operator: sheilac
Sample : ic1917-0.1 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:34 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 0.09ppb m

response 771

Ion	Exp%	Act%
252.00	100	100
253.00	23.30	45.37#
125.00	0.00	0.00
0.00	0.00	0.00

H35486.D H10209SP.M Tue Oct 20 14:45:12 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 11:11:13 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	64836	4.00	ppb	0.02
4) Naphthalene-d8	7.56	136	49357	4.00	ppb	0.03
9) Acenaphthene-d10	9.57	164	43442	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	62758	4.00	ppb	0.02
21) Chrysene-d12	13.87	240	66856	4.00	ppb	0.00
26) Perylene-d12	16.31	264	19513	4.00	ppb	0.02

System Monitoring Compounds						
5) Nitrobenzene-d5	6.67	82	2957	0.71	ppb	0.12
Spiked Amount 5.000	Range 17 - 131		Recovery	=	14.20%#	
10) 2-Fluorobiphenyl	8.87	172	28366	0.75	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	15.00%	
16) 2,4,6-Tribromophenol	10.44	330	4952	1.38	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery	=	13.80%	
23) Terphenyl-d14	12.66	244	6687	0.76	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	15.20%	

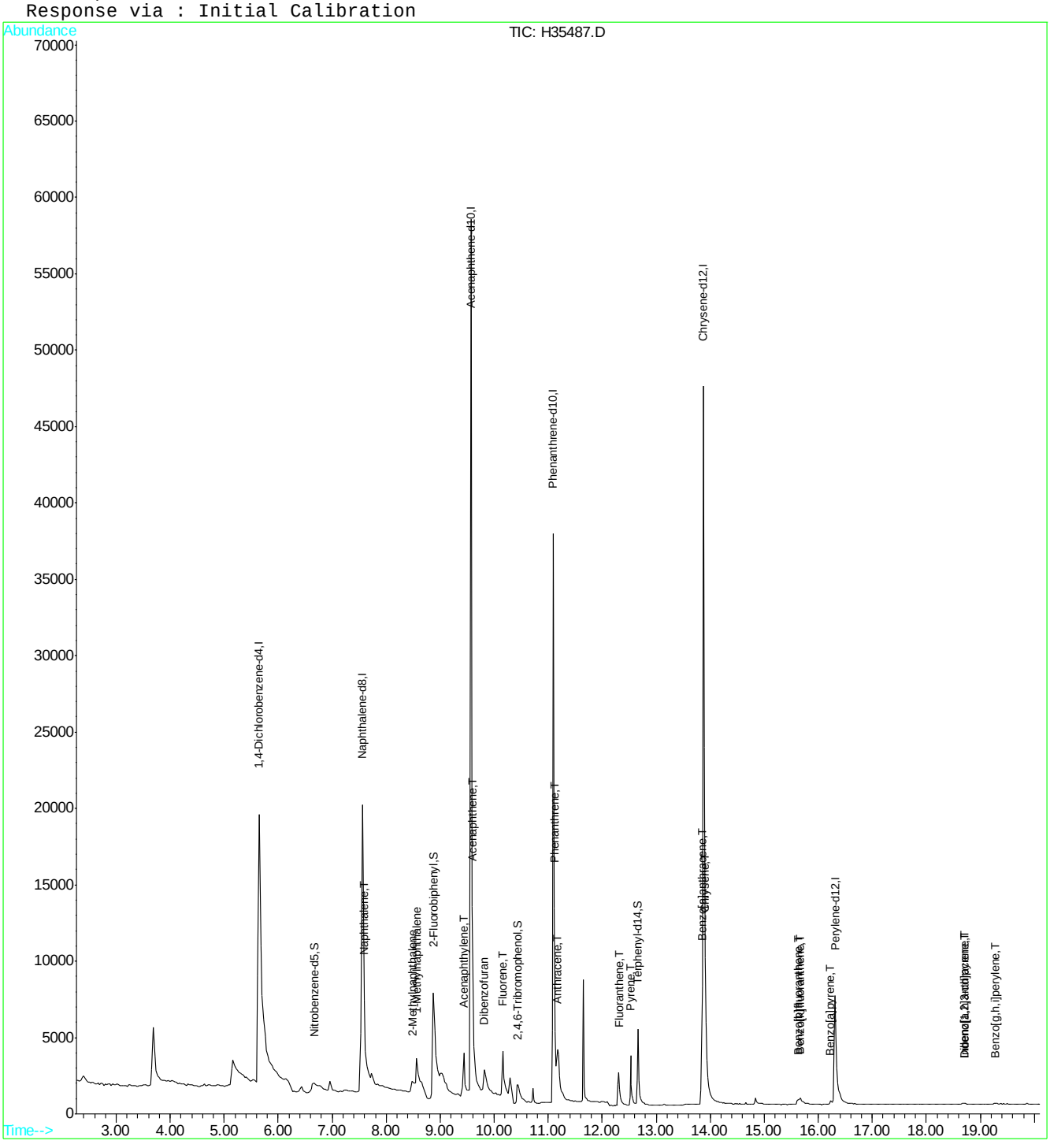
Target Compounds							Qvalue
6) Naphthalene	7.59	128	3530	0.13	ppb	#	80
7) 2-Methylnaphthalene	8.48	142	2125m	0.13	ppb		
8) 1-Methylnaphthalene	8.57	142	4265m	0.13	ppb		
11) Acenaphthylene	9.44	152	5216	0.08	ppb		96
12) Acenaphthene	9.60	153	5412	0.18	ppb		71
13) Dibenzofuran	9.81	168	5605	0.09	ppb	#	77
14) Fluorene	10.16	166	4247	0.10	ppb		93
18) Phenanthrene	11.11	178	6015m	0.18	ppb		
19) Anthracene	11.17	178	6644	0.16	ppb		99
20) Fluoranthene	12.31	202	5785	0.15	ppb	#	85
22) Pyrene	12.52	202	6183	0.17	ppb		98
24) Benzo[a]anthracene	13.85	228	3718	0.16	ppb		96
25) Chrysene	13.90	228	4310	0.16	ppb		93
27) Benzo[b]fluoranthene	15.64	252	749m	0.10	ppb		
28) Benzo[k]fluoranthene	15.66	252	1687m	0.15	ppb		
29) Benzo[a]pyrene	16.23	252	643	0.10	ppb		100
30) Indeno[1,2,3-cd]pyrene	18.70	276	284	0.12	ppb		87
31) Dibenz[a,h]anthracene	18.70	278	84m	0.06	ppb		
32) Benzo[g,h,i]perylene	19.27	276	198	0.11	ppb	#	74

(#) = qualifier out of range (m) = manual integration
H35487.D H10209SP.M Tue Oct 20 14:45:19 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: H10209SP.RES

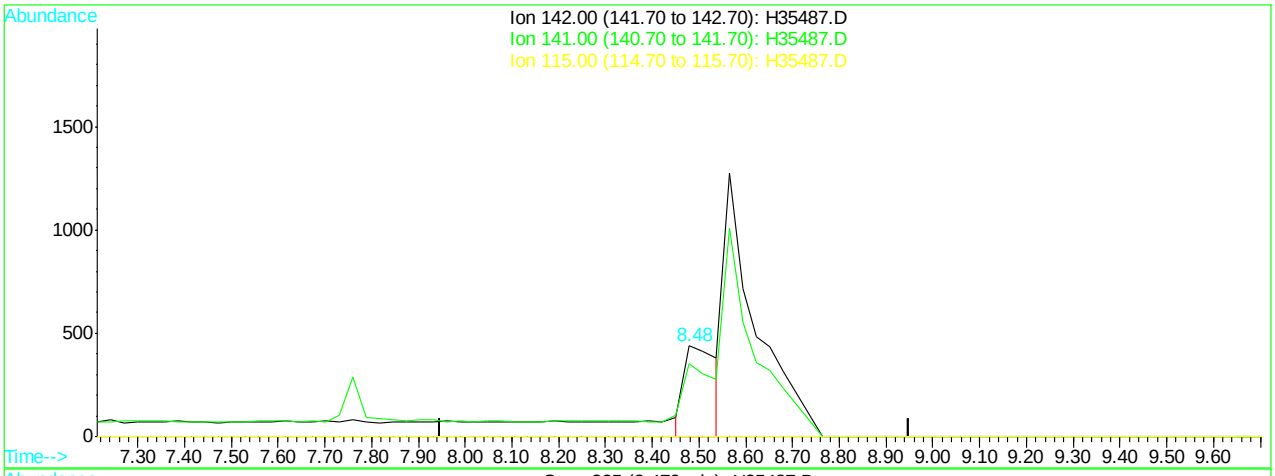
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

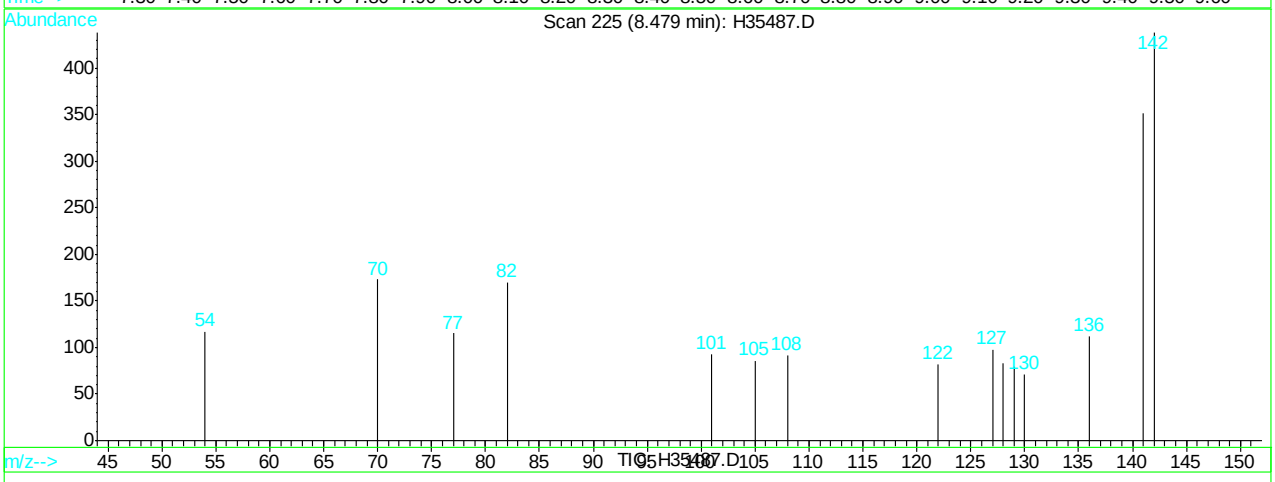


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.48min 0.13ppb m

response 2125

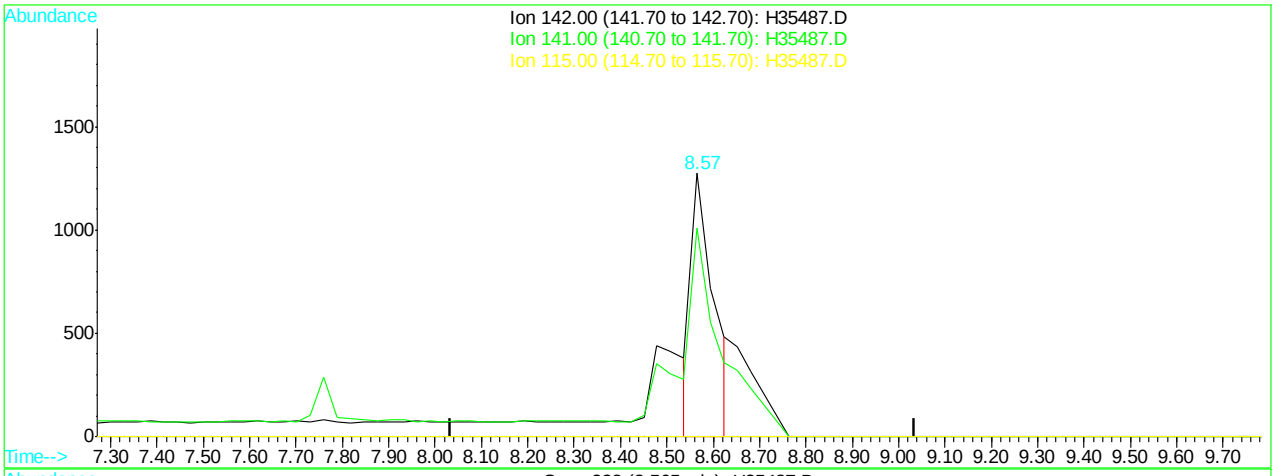
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	331.91#
115.00	0.00	0.00
0.00	0.00	0.00

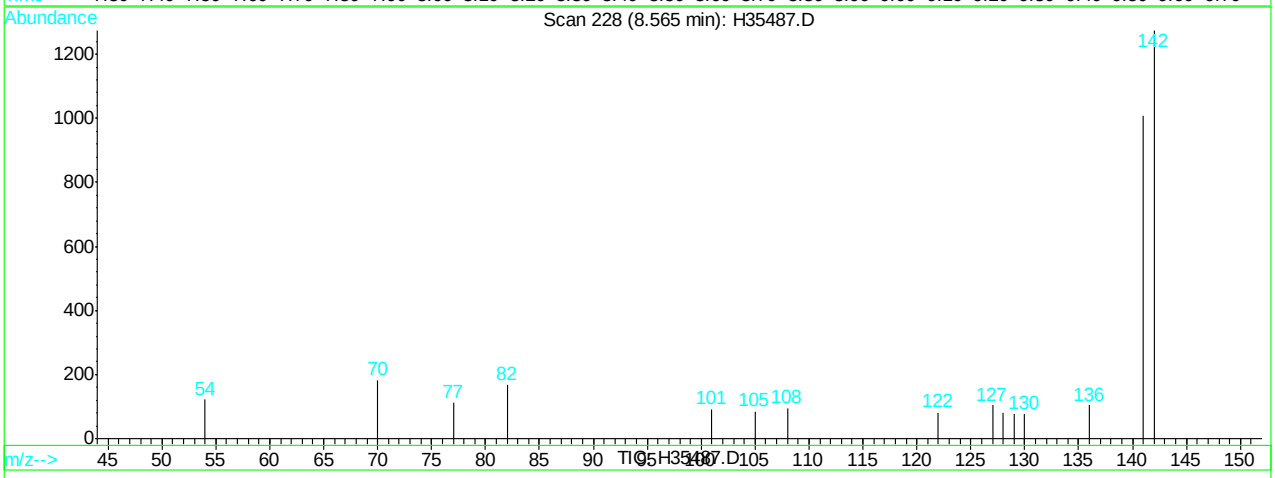
H35487.D H10209SP.M Tue Oct 20 14:45:33 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.57min 0.13ppb m

response 4265

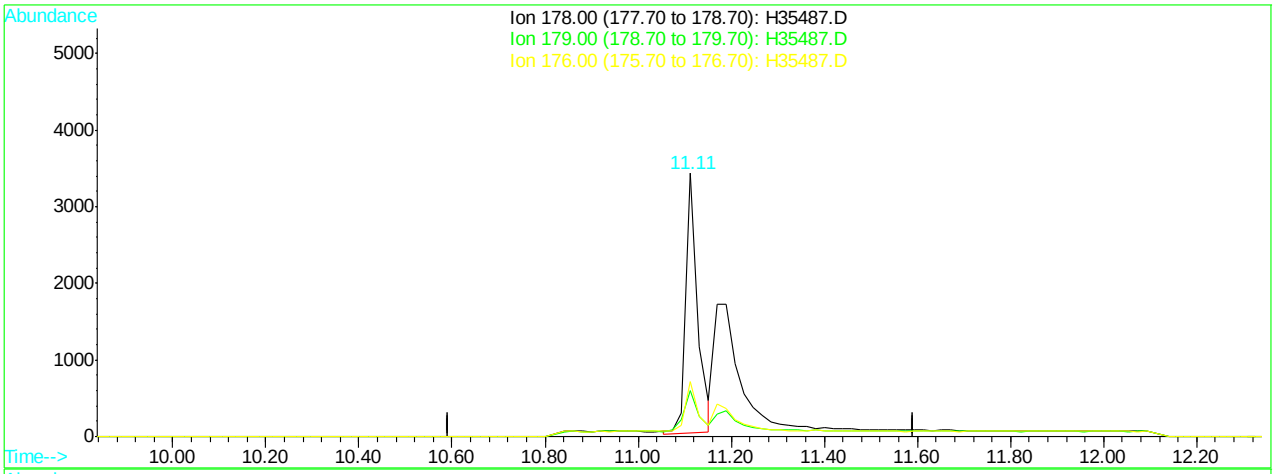
Ion	Exp%	Act%
142.00	100	100
141.00	134.10	165.37
115.00	0.00	0.00
0.00	0.00	0.00

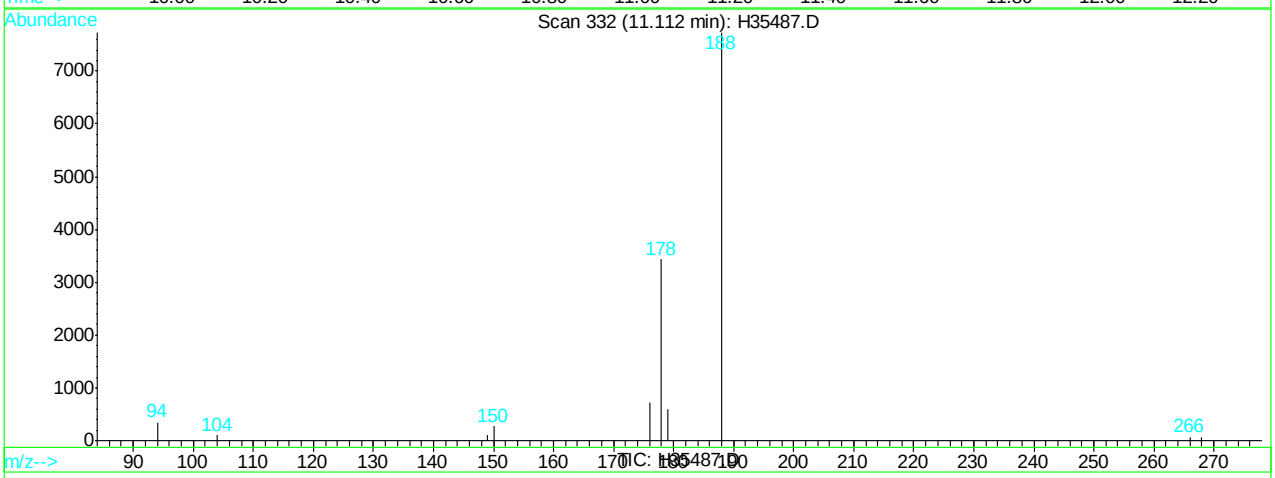
H35487.D H10209SP.M Tue Oct 20 14:45:37 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.18ppb m

response 6015

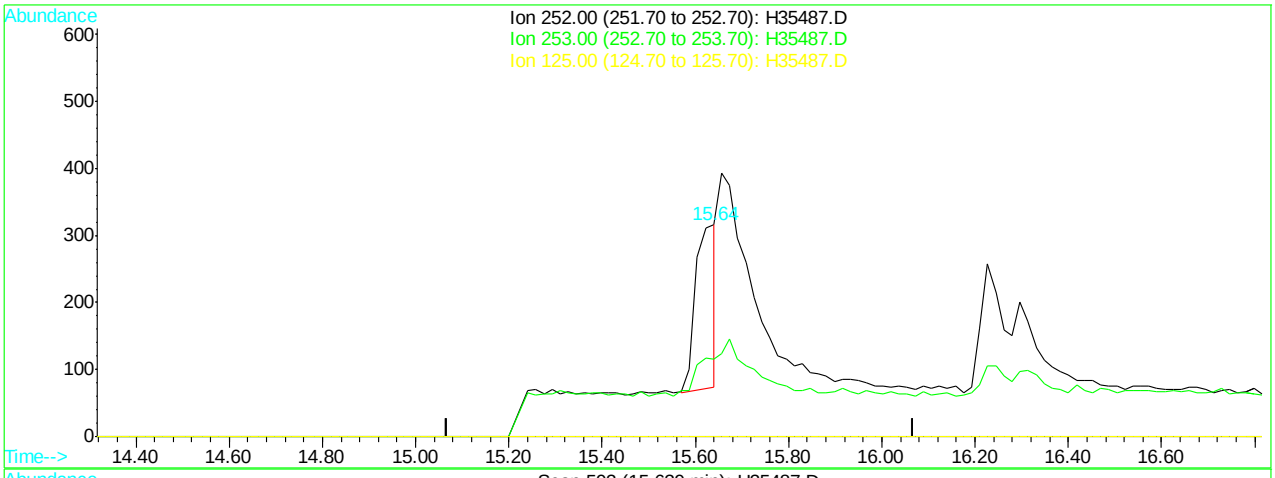
Ion	Exp%	Act%
178.00	100	100
179.00	10.90	17.53#
176.00	26.40	21.08
0.00	0.00	0.00

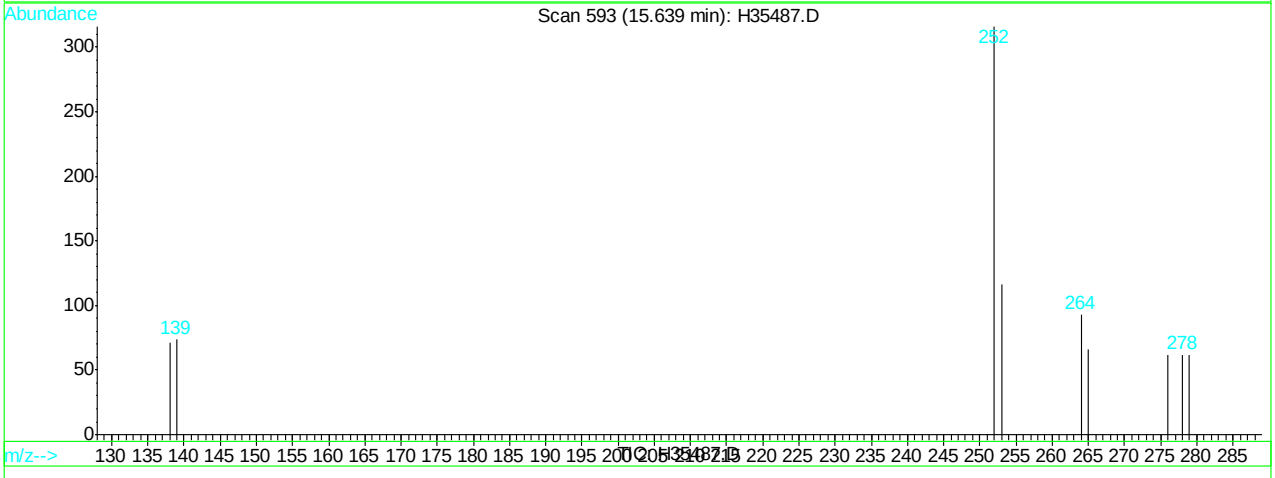
H35487.D H10209SP.M Tue Oct 20 14:45:44 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 0.10ppb m

response 749

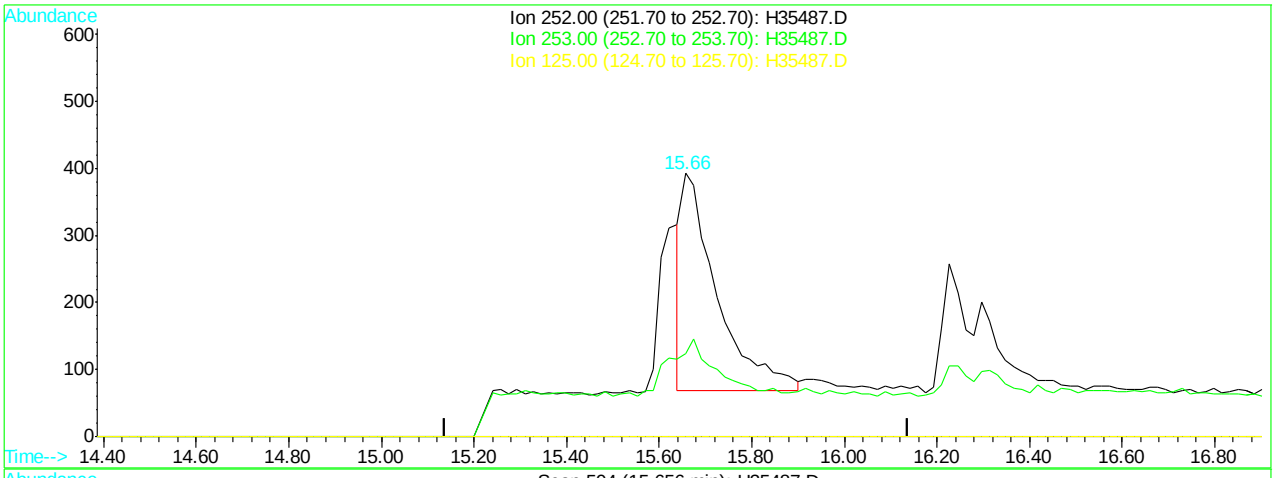
Ion	Exp%	Act%
252.00	100	100
253.00	21.70	36.71#
125.00	0.00	0.00
0.00	0.00	0.00

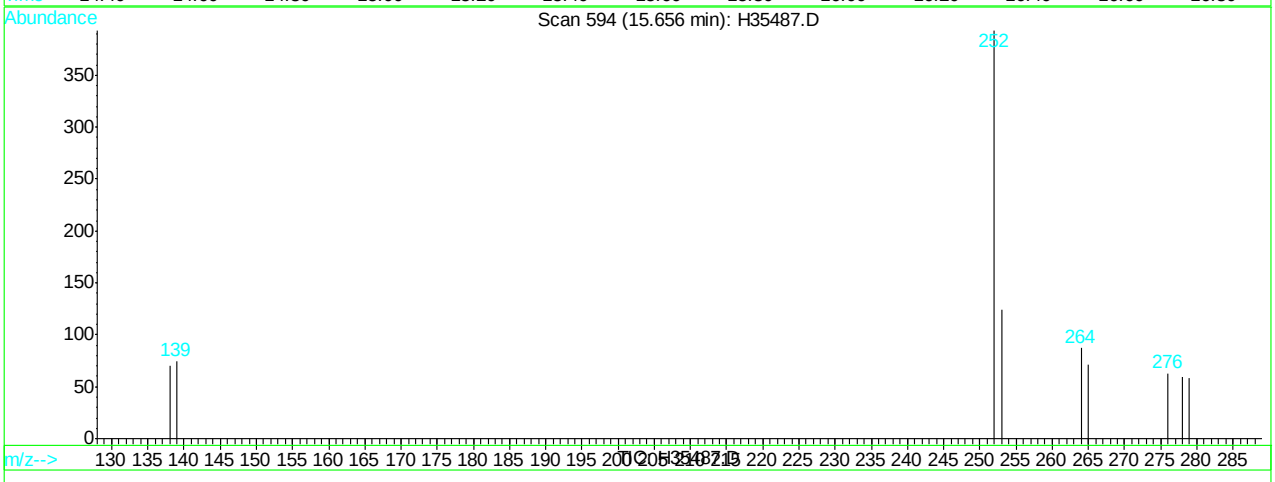
H35487.D H10209SP.M Tue Oct 20 14:45:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 0.15ppb m

response 1687

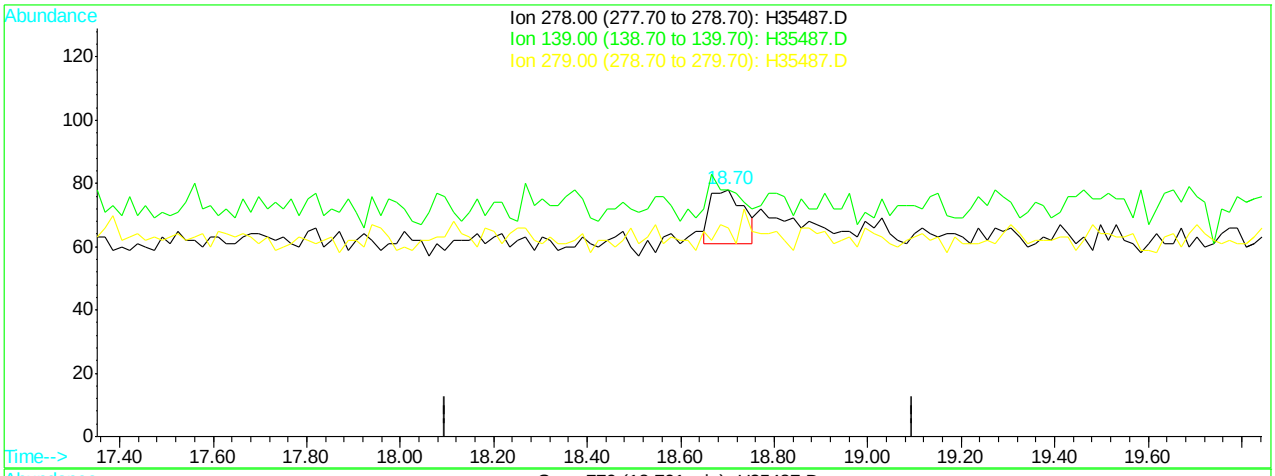
Ion	Exp%	Act%
252.00	100	100
253.00	23.30	31.55#
125.00	0.00	0.00
0.00	0.00	0.00

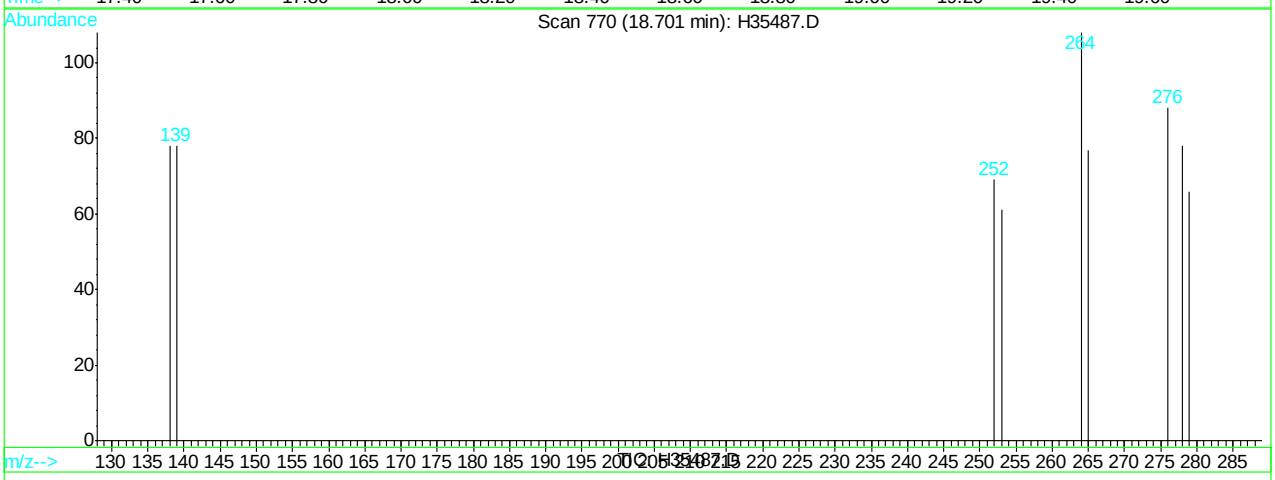
H35487.D H10209SP.M Tue Oct 20 14:45:51 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35487.D Vial: 5
Acq On : 20 Oct 2009 12:03 pm Operator: sheilac
Sample : ic1917-0.2 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 12:31 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(31) Dibenz[a,h]anthracene (T)

18.70min 0.06ppb m

response 84

Ion	Exp%	Act%
278.00	100	100
139.00	27.20	100.00#
279.00	22.00	84.62#
0.00	0.00	0.00

H35487.D H10209SP.M Tue Oct 20 14:45:55 2009

8.6.3.6

8

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 13:37:18 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.62	152	68035	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	36871	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	50659	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	52227	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	53003	4.00	ppb	0.00
26) Perylene-d12	16.31	264	16335	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	97751	31.91	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 638.20%#			
10) 2-Fluorobiphenyl	8.87	172	642730	20.96	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 419.20%#			
16) 2,4,6-Tribromophenol	10.40	330	143592	53.11	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 531.10%#			
23) Terphenyl-d14	12.66	244	174229	26.25	ppb	0.01
Spiked Amount 5.000	Range 10 - 160		Recovery = 525.00%#			

Target Compounds

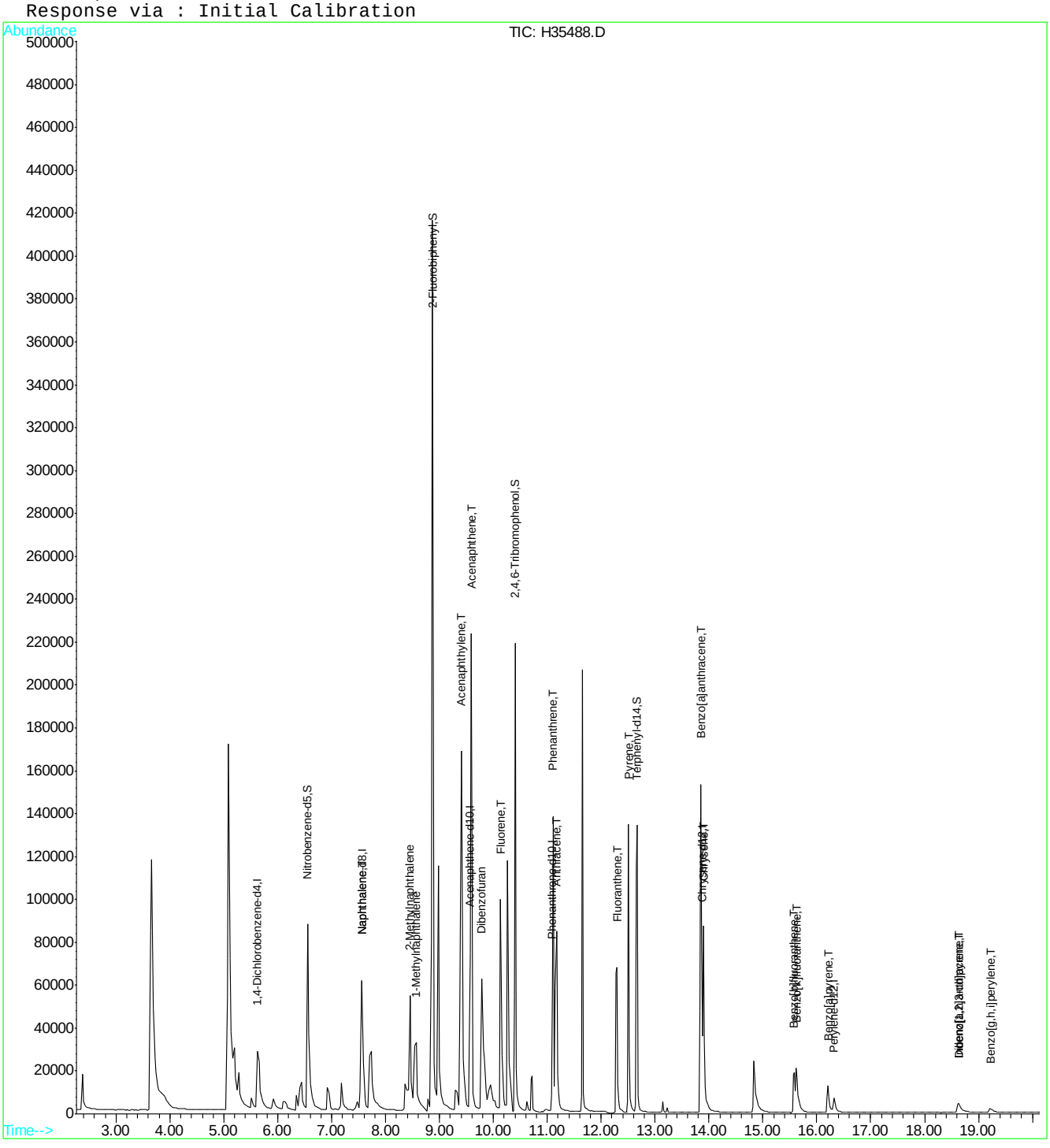
							Qvalue
6) Naphthalene	7.56	128	80780	5.20	ppb		96
7) 2-Methylnaphthalene	8.45	142	73754m	5.77	ppb		
8) 1-Methylnaphthalene	8.57	142	82183	4.41	ppb	#	91
11) Acenaphthylene	9.41	152	220735	5.24	ppb		98
12) Acenaphthene	9.59	153	143506	4.70	ppb		93
13) Dibenzofuran	9.78	168	112115	4.15	ppb		99
14) Fluorene	10.13	166	77621	3.85	ppb		90
18) Phenanthrene	11.11	178	135694m	4.78	ppb		
19) Anthracene	11.17	178	139575m	4.65	ppb		
20) Fluoranthene	12.29	202	153324	5.23	ppb	#	82
22) Pyrene	12.51	202	158652	5.31	ppb		100
24) Benzo[a]anthracene	13.85	228	105209	5.38	ppb		98
25) Chrysene	13.90	228	95271	5.00	ppb		98
27) Benzo[b]fluoranthene	15.57	252	40757	6.34	ppb		87
28) Benzo[k]fluoranthene	15.62	252	49020m	5.71	ppb		
29) Benzo[a]pyrene	16.21	252	33181	6.35	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.63	276	11386	6.43	ppb		95
31) Dibenz[a,h]anthracene	18.63	278	7518	6.82	ppb		97
32) Benzo[g,h,i]perylene	19.22	276	8285	6.34	ppb		100

(#) = qualifier out of range (m) = manual integration
H35488.D H10209SP.M Tue Oct 20 14:46:01 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: H10209SP.RES

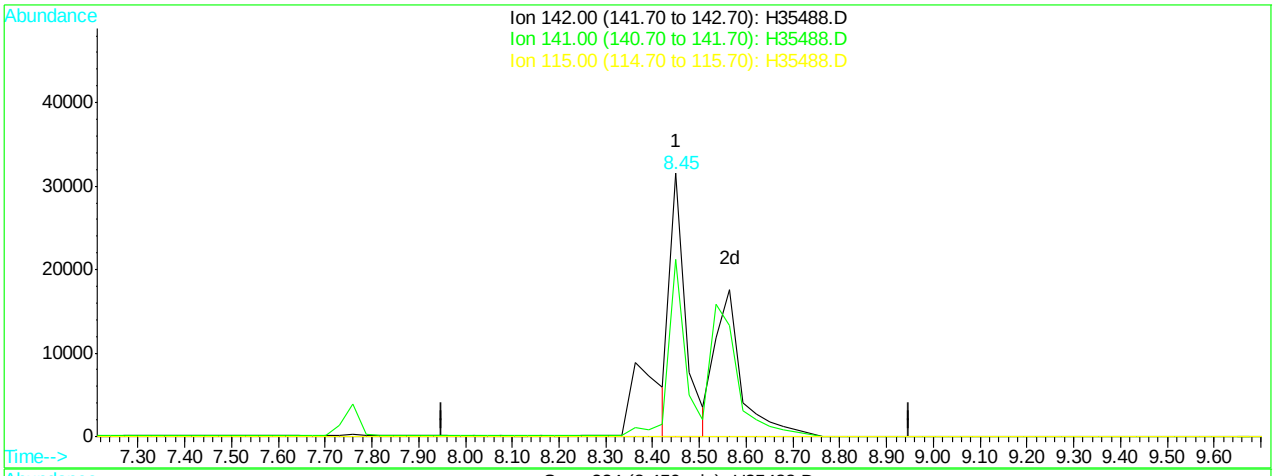
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

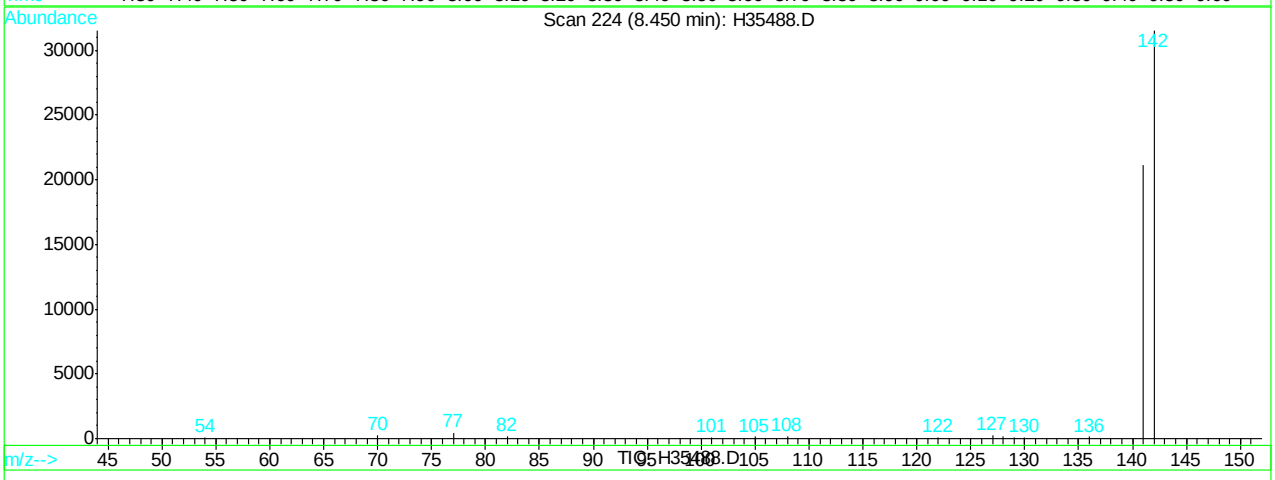


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 5.77ppb m

response 73754

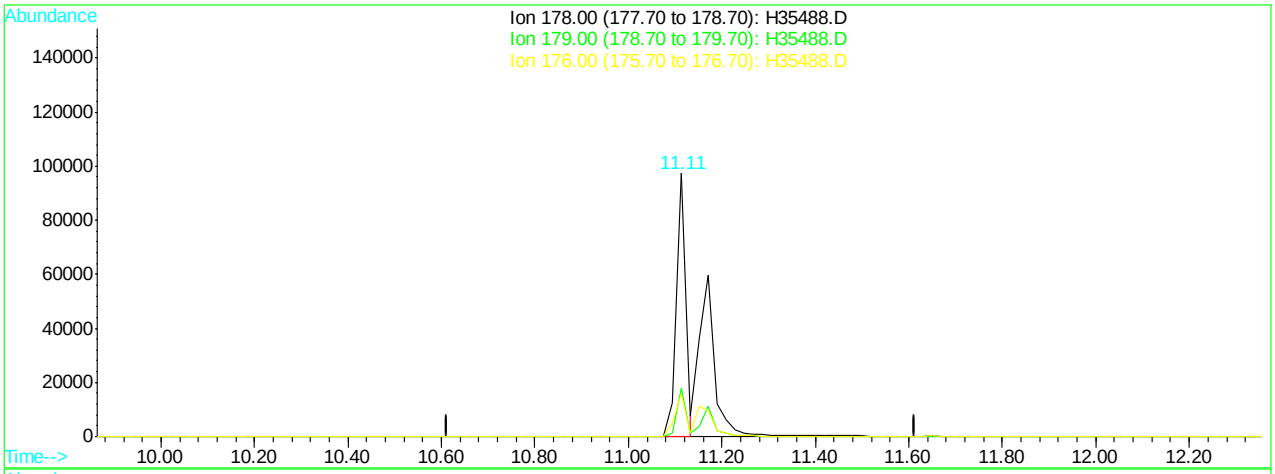
Ion	Exp%	Act%
142.00	100	100
141.00	69.80	73.35
115.00	0.00	0.00
0.00	0.00	0.00

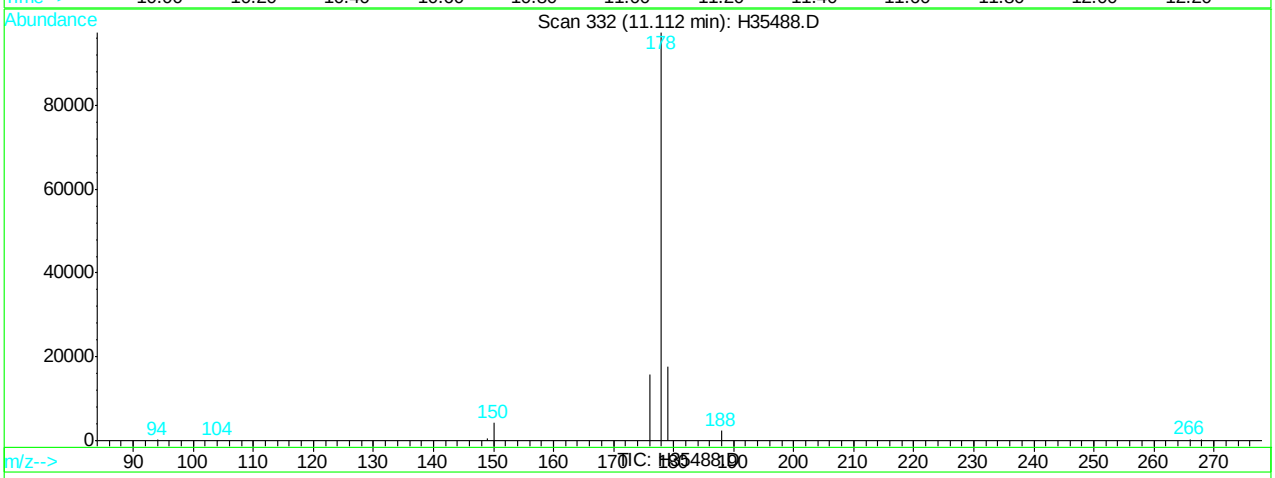
H35488.D H10209SP.M Tue Oct 20 14:46:17 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 4.78ppb m

response 135694

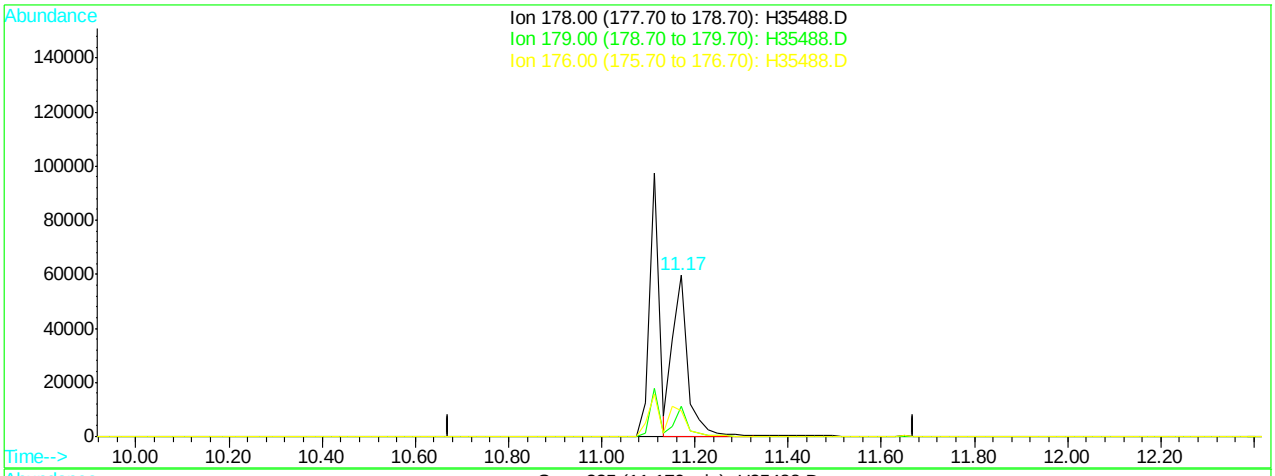
Ion	Exp%	Act%
178.00	100	100
179.00	18.50	18.26
176.00	16.30	16.20
0.00	0.00	0.00

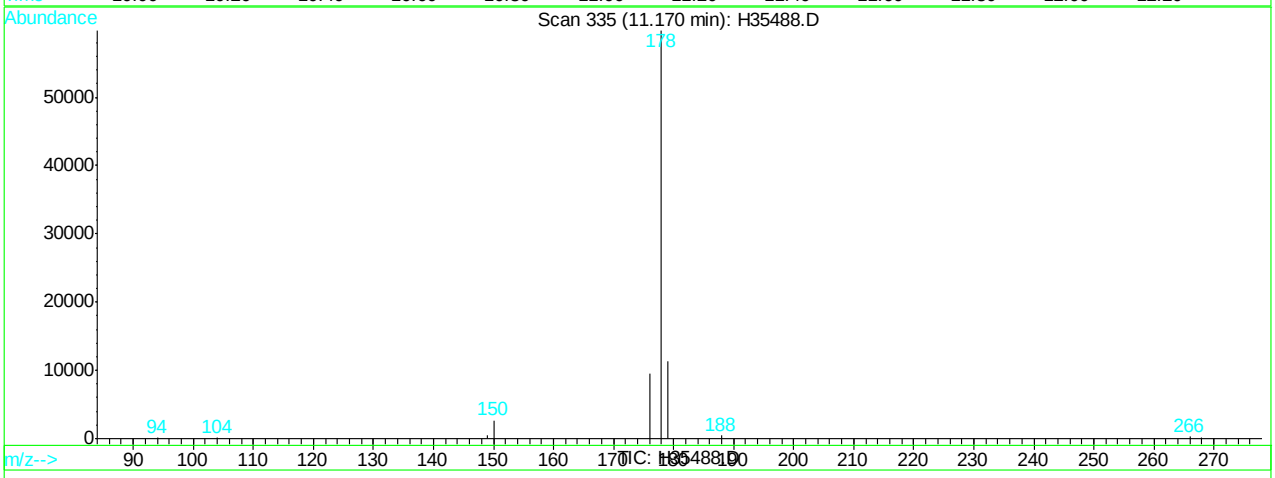
H35488.D H10209SP.M Tue Oct 20 14:46:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 4.65ppb m

response 139575

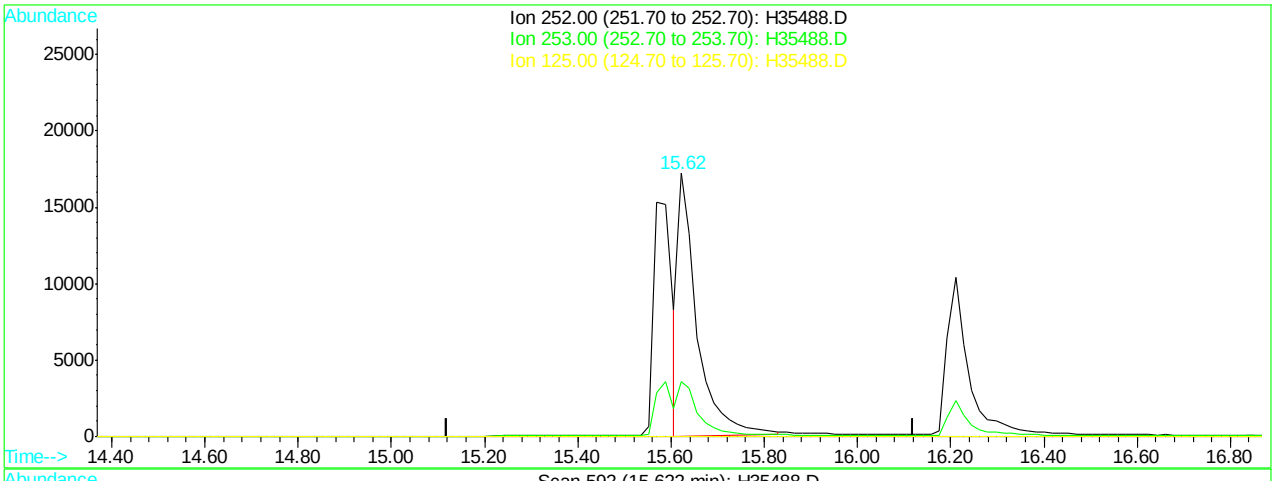
Ion	Exp%	Act%
178.00	100	100
179.00	19.10	18.98
176.00	16.60	16.03
0.00	0.00	0.00

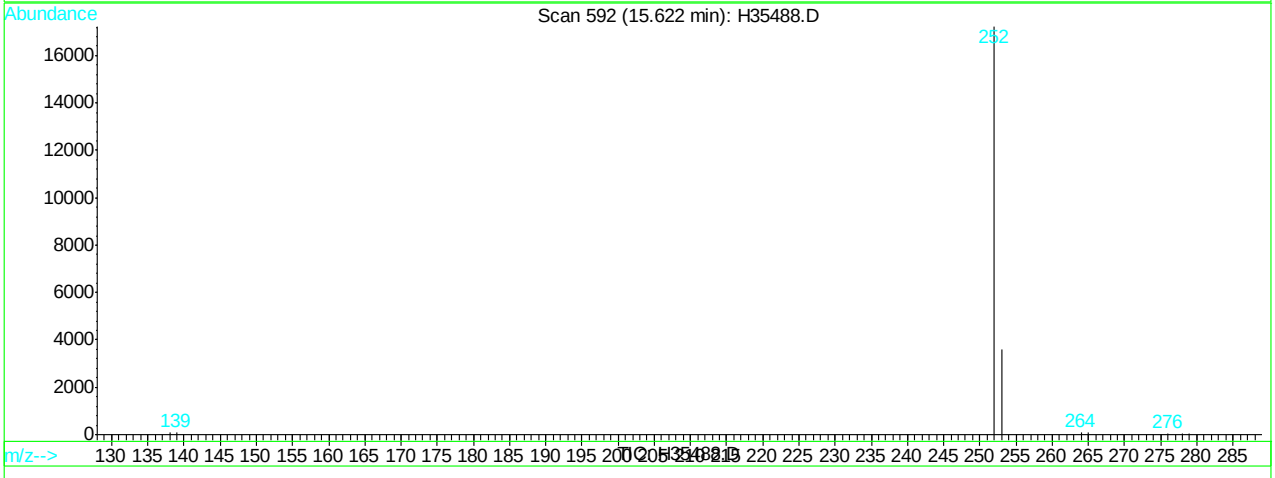
H35488.D H10209SP.M Tue Oct 20 14:46:32 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35488.D Vial: 6
Acq On : 20 Oct 2009 12:36 pm Operator: sheilac
Sample : ic1917-5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:38 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.62min 5.71ppb m

response 49020

Ion	Exp%	Act%
252.00	100	100
253.00	20.80	21.02
125.00	0.00	0.00
0.00	0.00	0.00

H35488.D H10209SP.M Tue Oct 20 14:46:38 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 13:19:19 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.62	152	76307	4.00 ppb	0.00
4) Naphthalene-d8	7.56	136	40661	4.00 ppb	0.00
9) Acenaphthene-d10	9.57	164	63101	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	58666	4.00 ppb	0.00
21) Chrysene-d12	13.87	240	65381	4.00 ppb	0.00
26) Perylene-d12	16.31	264	18235	4.00 ppb	0.00

System Monitoring Compounds					
5) Nitrobenzene-d5	6.55	82	216435	67.85 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery	= 1357.00%#	
10) 2-Fluorobiphenyl	8.87	172	2311800	63.03 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	= 1260.60%#	
16) 2,4,6-Tribromophenol	10.40	330	362910	124.25 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	= 1242.50%#	
23) Terphenyl-d14	12.66	244	528724	68.58 ppb	0.01
Spiked Amount 5.000	Range 10 - 160		Recovery	= 1371.60%#	

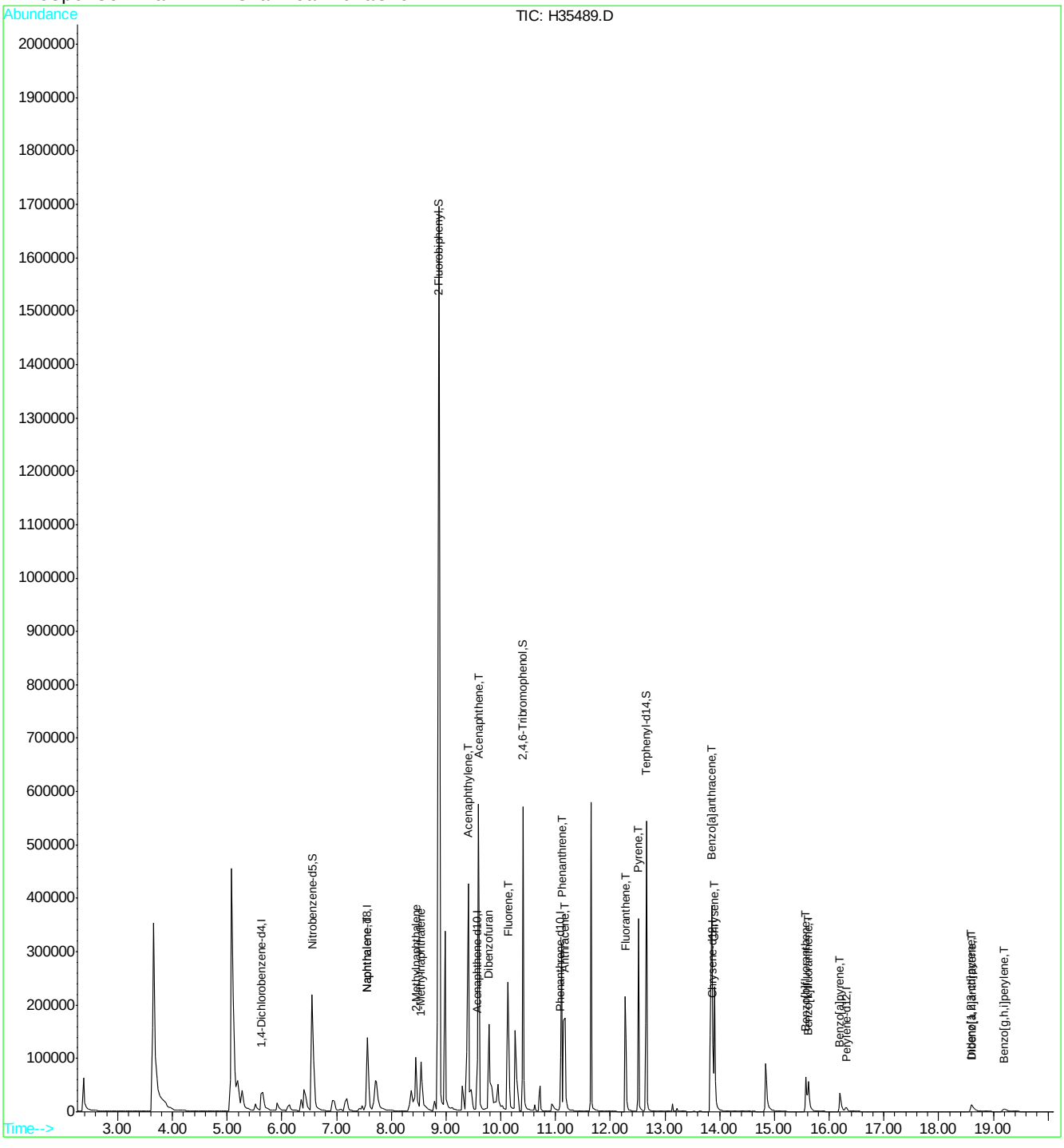
Target Compounds						Qvalue
6) Naphthalene	7.56	128	190628	11.38 ppb		93
7) 2-Methylnaphthalene	8.45	142	129951m	9.07 ppb		
8) 1-Methylnaphthalene	8.54	142	168988	7.94 ppb	#	79
11) Acenaphthylene	9.41	152	540687	10.33 ppb		98
12) Acenaphthene	9.59	153	375516	9.82 ppb		84
13) Dibenzofuran	9.78	168	249836	7.03 ppb	#	84
14) Fluorene	10.13	166	166276	6.11 ppb		89
18) Phenanthrene	11.11	178	310917m	9.70 ppb		
19) Anthracene	11.17	178	312787m	9.11 ppb		
20) Fluoranthene	12.28	202	337256	10.28 ppb	#	86
22) Pyrene	12.51	202	391283	10.74 ppb		96
24) Benzo[a]anthracene	13.85	228	268224	11.38 ppb		98
25) Chrysene	13.90	228	221640	9.33 ppb		100
27) Benzo[b]fluoranthene	15.57	252	117509	18.75 ppb		96
28) Benzo[k]fluoranthene	15.62	252	98292m	10.27 ppb		
29) Benzo[a]pyrene	16.19	252	78435	14.43 ppb		97
30) Indeno[1,2,3-cd]pyrene	18.60	276	27706	15.27 ppb		97
31) Dibenz[a,h]anthracene	18.62	278	19737	18.24 ppb		96
32) Benzo[g,h,i]perylene	19.20	276	20121	14.93 ppb		100

(#) = qualifier out of range (m) = manual integration
H35489.D H10209SP.M Tue Oct 20 14:48:11 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: H10209SP.RES

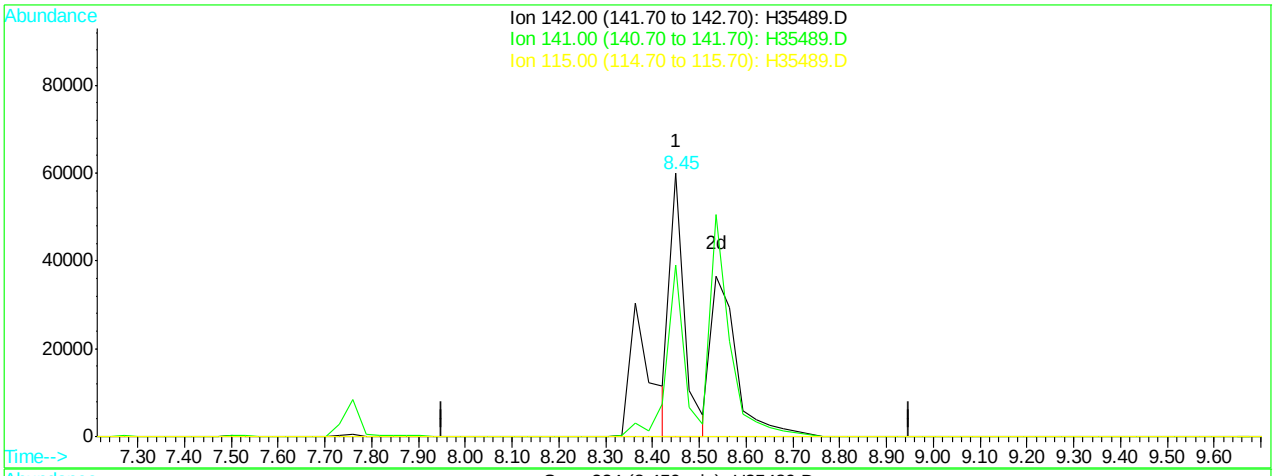
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

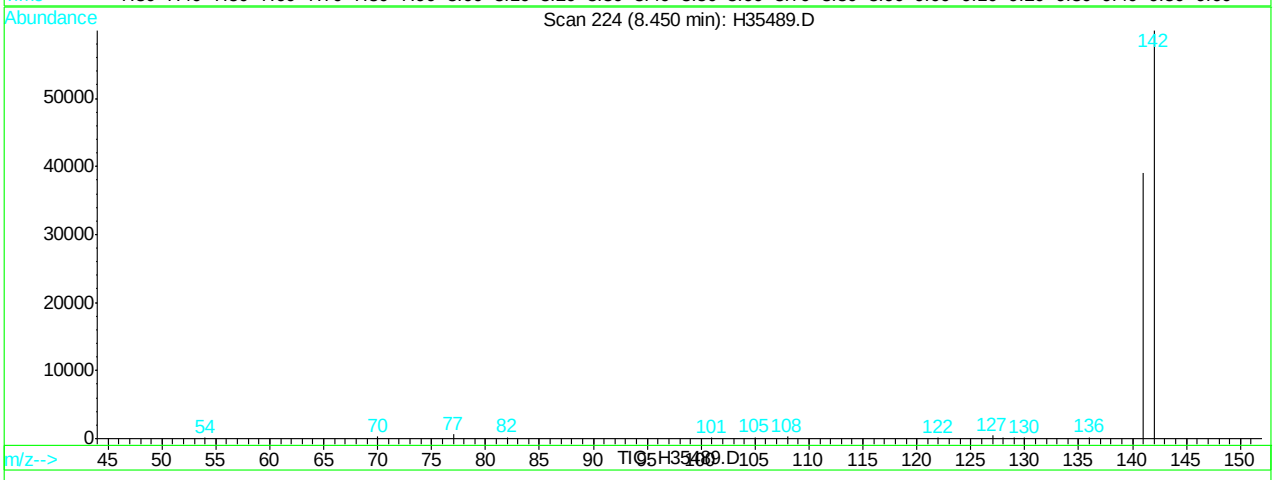


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 9.07ppb m

response 129951

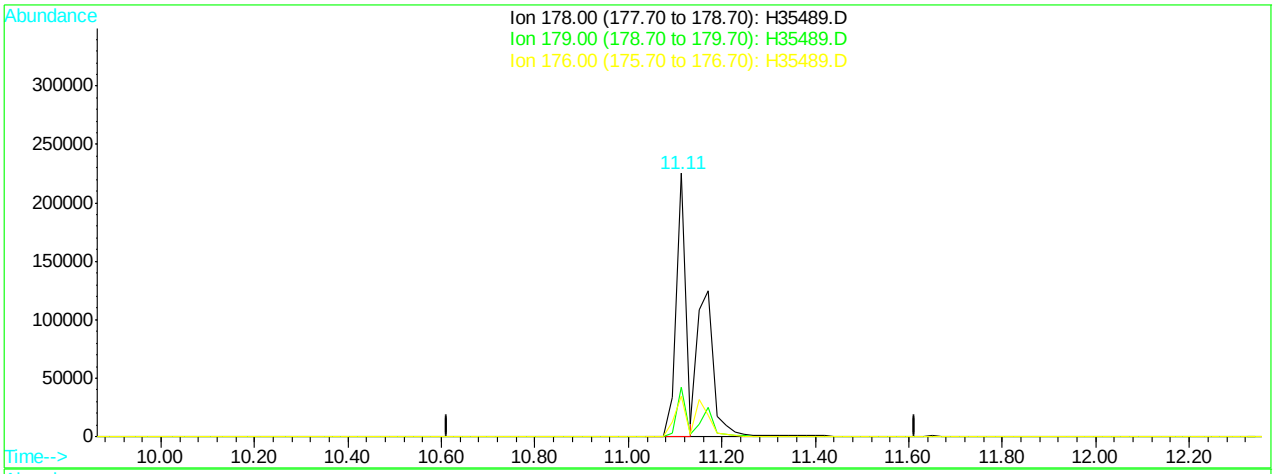
Ion	Exp%	Act%
142.00	100	100
141.00	69.80	80.03
115.00	0.00	0.00
0.00	0.00	0.00

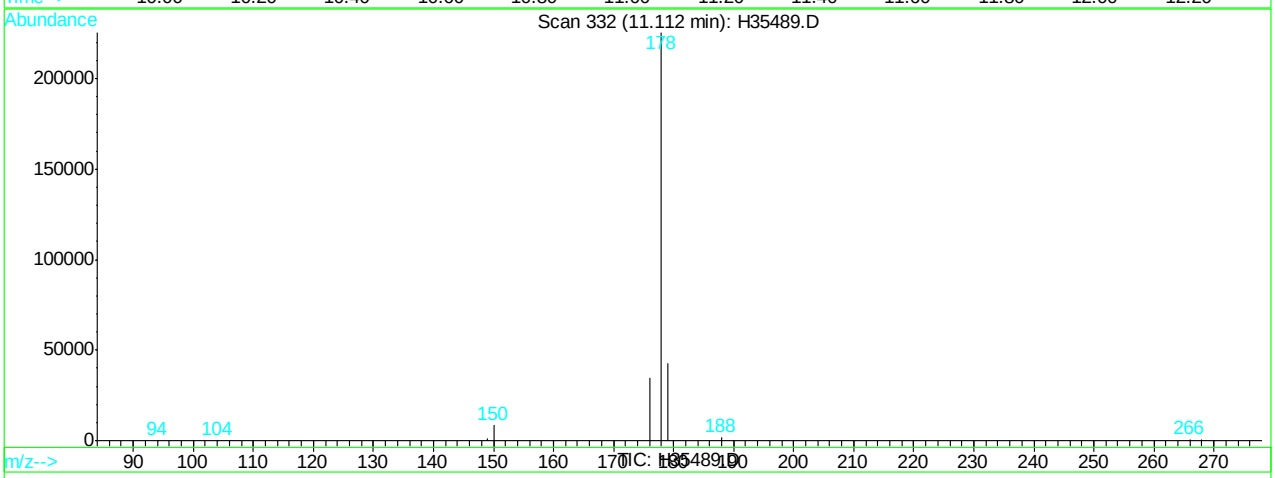
H35489.D H10209SP.M Tue Oct 20 14:48:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 9.70ppb m

response 310917

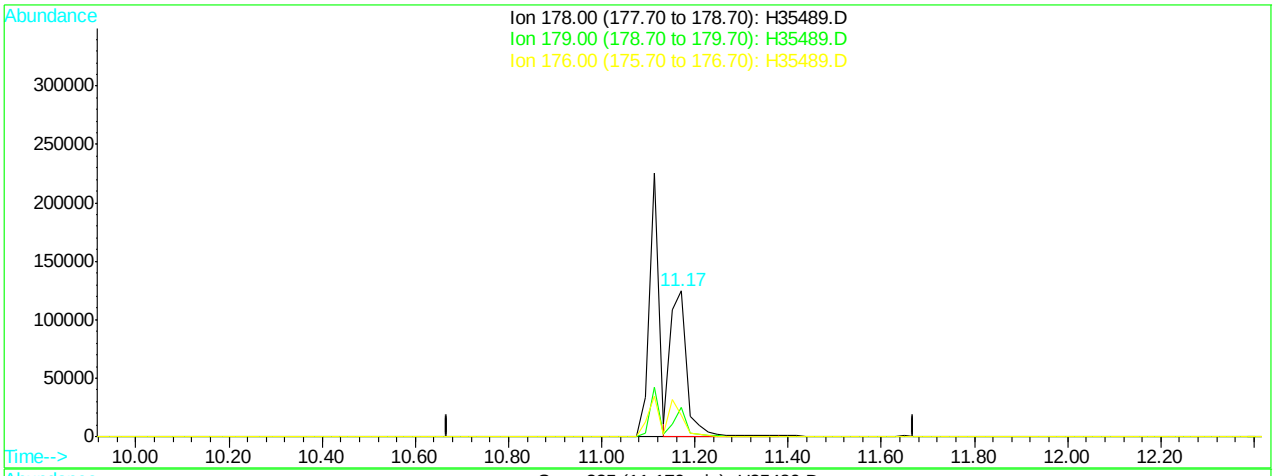
Ion	Exp%	Act%
178.00	100	100
179.00	18.50	18.87
176.00	16.30	15.48
0.00	0.00	0.00

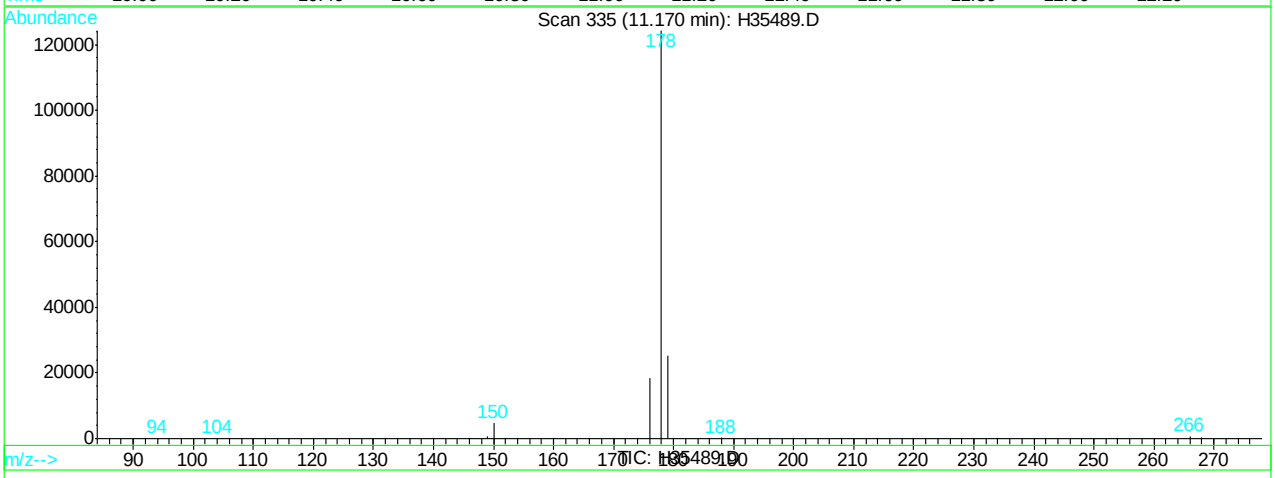
H35489.D H10209SP.M Tue Oct 20 14:48:29 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 9.11ppb m

response 312787

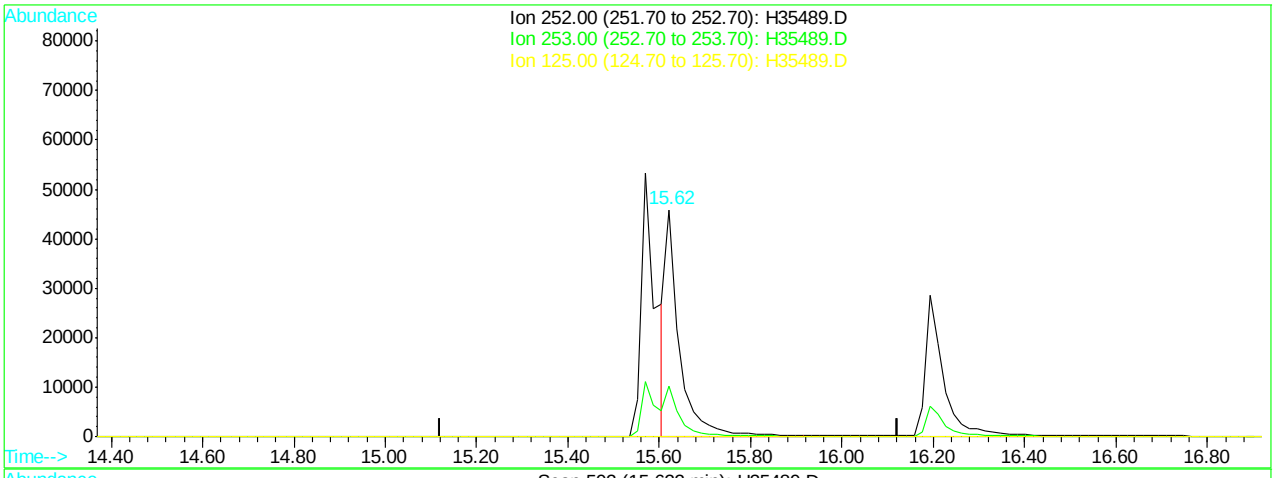
Ion	Exp%	Act%
178.00	100	100
179.00	19.00	20.37
176.00	16.00	14.86
0.00	0.00	0.00

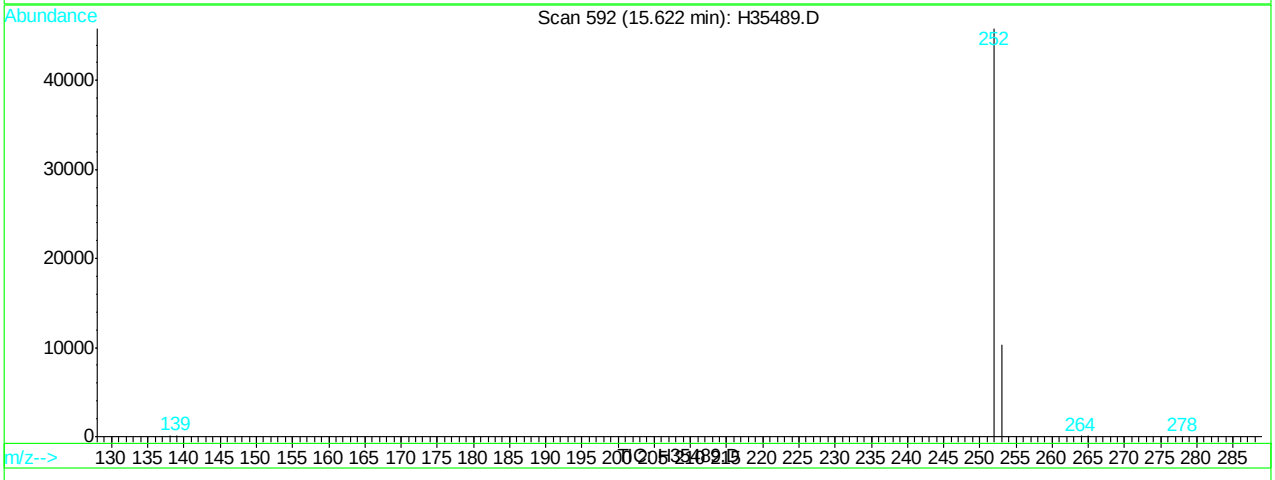
H35489.D H10209SP.M Tue Oct 20 14:48:32 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35489.D Vial: 7
Acq On : 20 Oct 2009 1:01 pm Operator: sheilac
Sample : ic1917-10 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:22 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.62min 10.27ppb m

response 98292

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	22.45
125.00	0.00	0.00
0.00	0.00	0.00

H35489.D H10209SP.M Tue Oct 20 14:48:39 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 13:43:15 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	79388	4.00	ppb	0.03
4) Naphthalene-d8	7.56	136	50031	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	57496	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	59382	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	65445	4.00	ppb	0.00
26) Perylene-d12	16.31	264	20144	4.00	ppb	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	6.55	82	56500	13.92	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 278.40%#			
10) 2-Fluorobiphenyl	8.87	172	332970	9.59	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 191.80%#			
16) 2,4,6-Tribromophenol	10.40	330	71756	23.31	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 233.10%#			
23) Terphenyl-d14	12.66	244	92811	11.29	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 225.80%#			

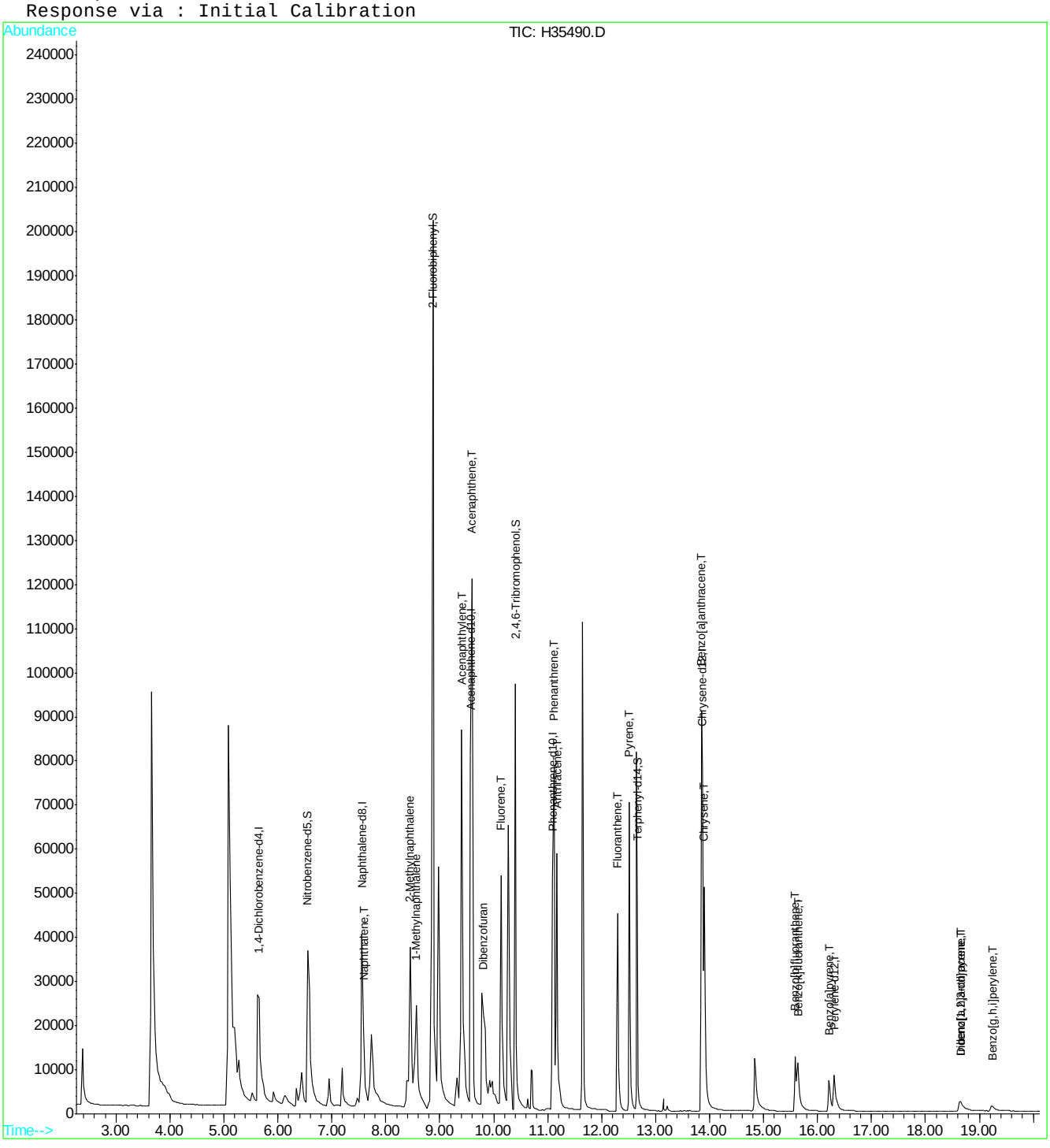
Target Compounds						Qvalue
6) Naphthalene	7.59	128	48873	2.40	ppb #	78
7) 2-Methylnaphthalene	8.45	142	51835m	2.85	ppb	
8) 1-Methylnaphthalene	8.56	142	54064	2.16	ppb #	95
11) Acenaphthylene	9.41	152	118344	2.63	ppb	96
12) Acenaphthene	9.60	153	77080	2.25	ppb	95
13) Dibenzofuran	9.81	168	58455	2.02	ppb #	87
14) Fluorene	10.13	166	45101	2.09	ppb	87
18) Phenanthrene	11.11	178	77209m	2.34	ppb	
19) Anthracene	11.17	178	85732m	2.60	ppb	
20) Fluoranthene	12.29	202	78097	2.43	ppb #	84
22) Pyrene	12.51	202	92386	2.49	ppb	97
24) Benzo[a]anthracene	13.85	228	61267	2.56	ppb	95
25) Chrysene	13.90	228	59297	2.49	ppb	95
27) Benzo[b]fluoranthene	15.59	252	19923	2.51	ppb	96
28) Benzo[k]fluoranthene	15.64	252	31581m	2.98	ppb	
29) Benzo[a]pyrene	16.21	252	19397	3.01	ppb	97
30) Indeno[1,2,3-cd]pyrene	18.65	276	6931	3.18	ppb	100
31) Dibenz[a,h]anthracene	18.65	278	4530	3.33	ppb	99
32) Benzo[g,h,i]perylene	19.24	276	4732	2.94	ppb	96

(#) = qualifier out of range (m) = manual integration
H35490.D H10209SP.M Tue Oct 20 14:48:47 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: H10209SP.RES

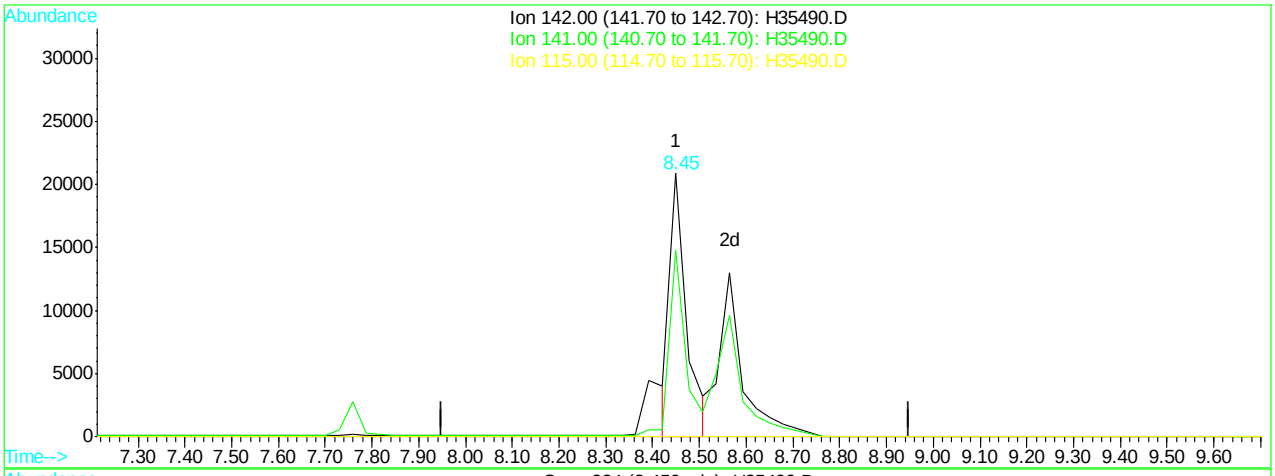
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration

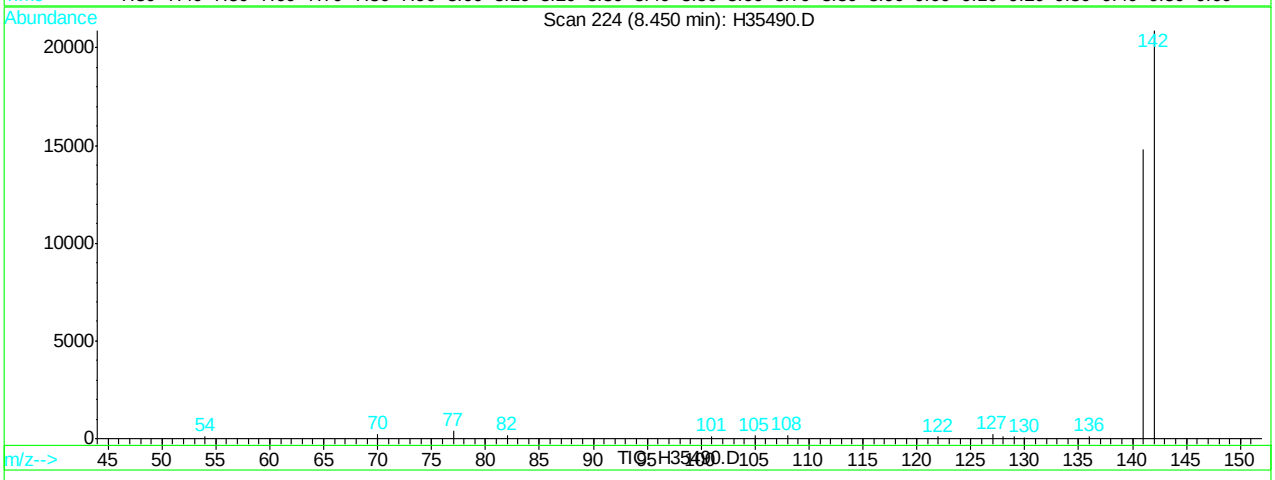


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.85ppb m

response 51835

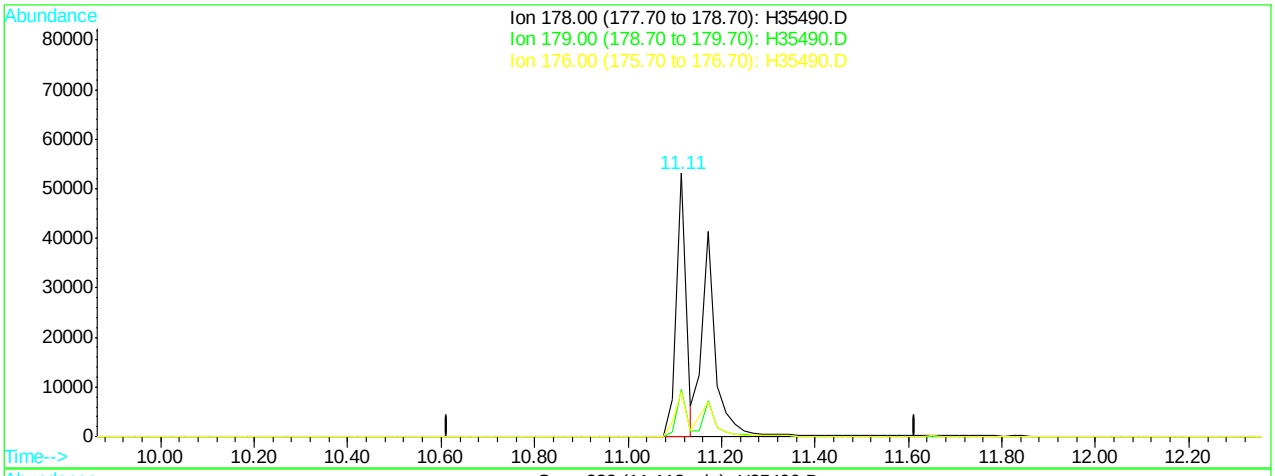
Ion	Exp%	Act%
142.00	100	100
141.00	69.80	71.03
115.00	0.00	0.00
0.00	0.00	0.00

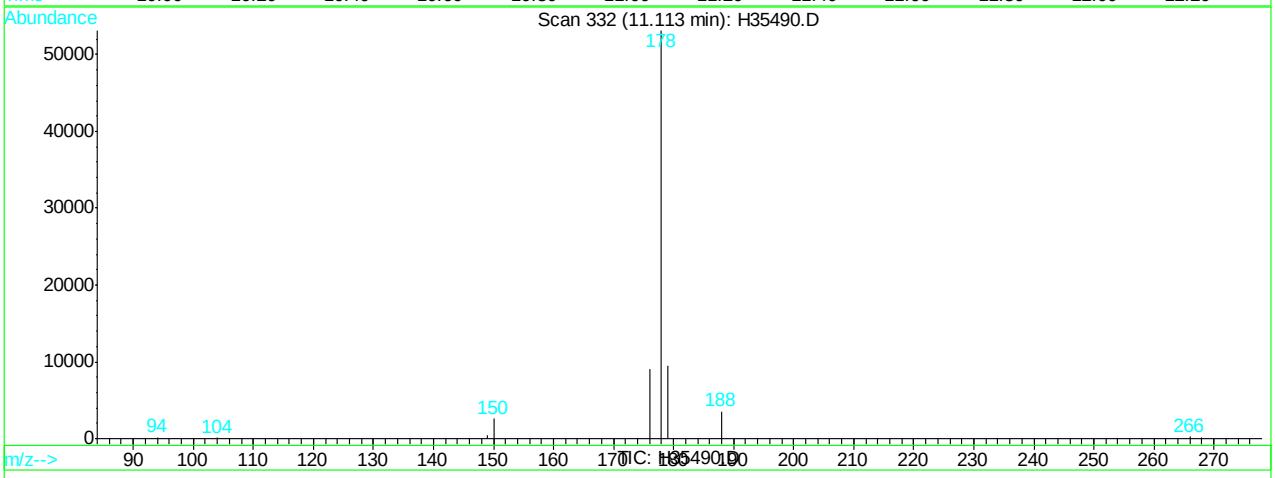
H35490.D H10209SP.M Tue Oct 20 14:49:38 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 2.34ppb m

response 77209

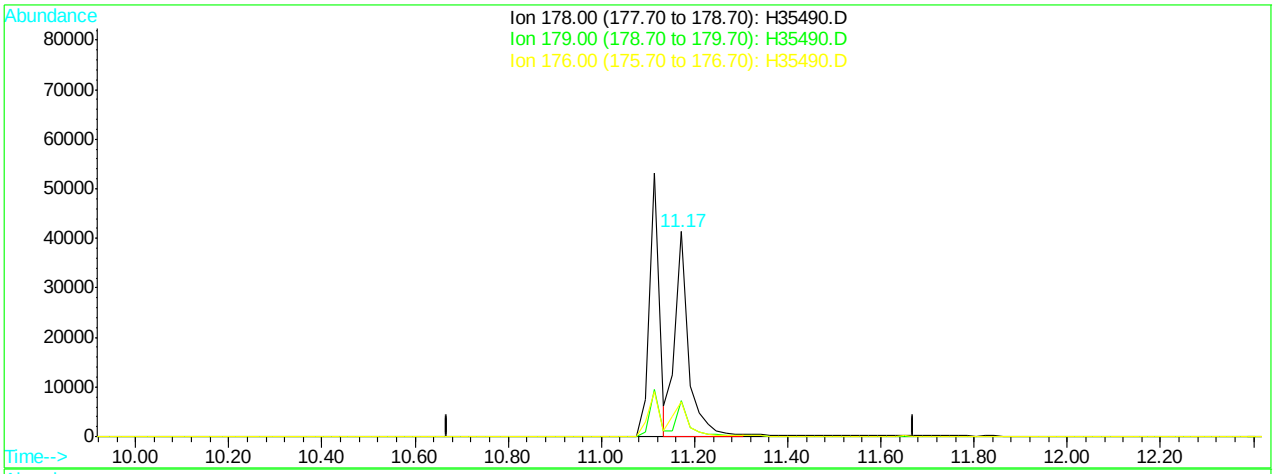
Ion	Exp%	Act%
178.00	100	100
179.00	18.50	17.80
176.00	16.30	17.06
0.00	0.00	0.00

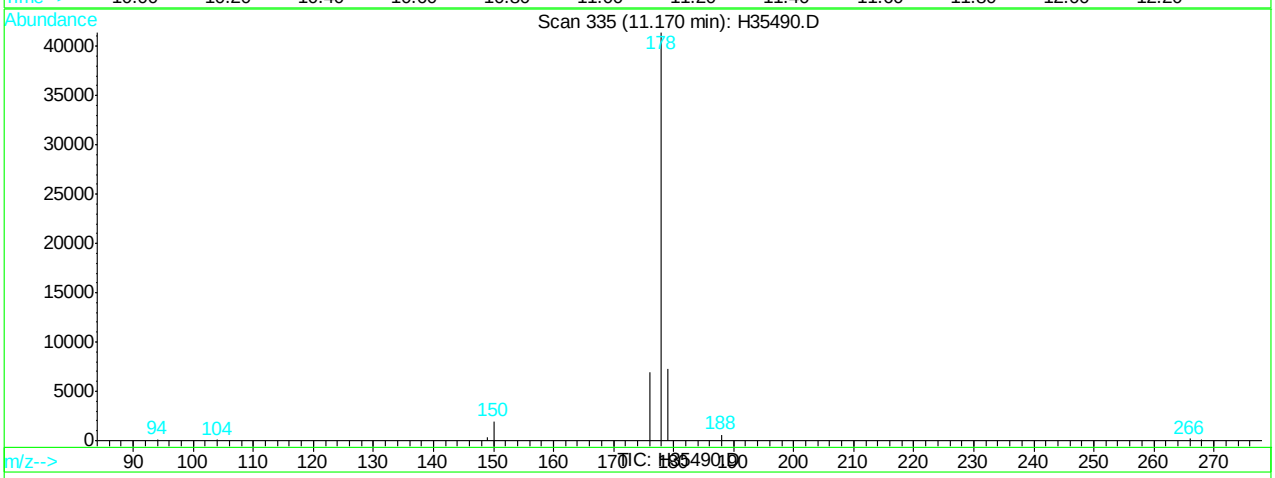
H35490.D H10209SP.M Tue Oct 20 14:49:42 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 2.60ppb m

response 85732

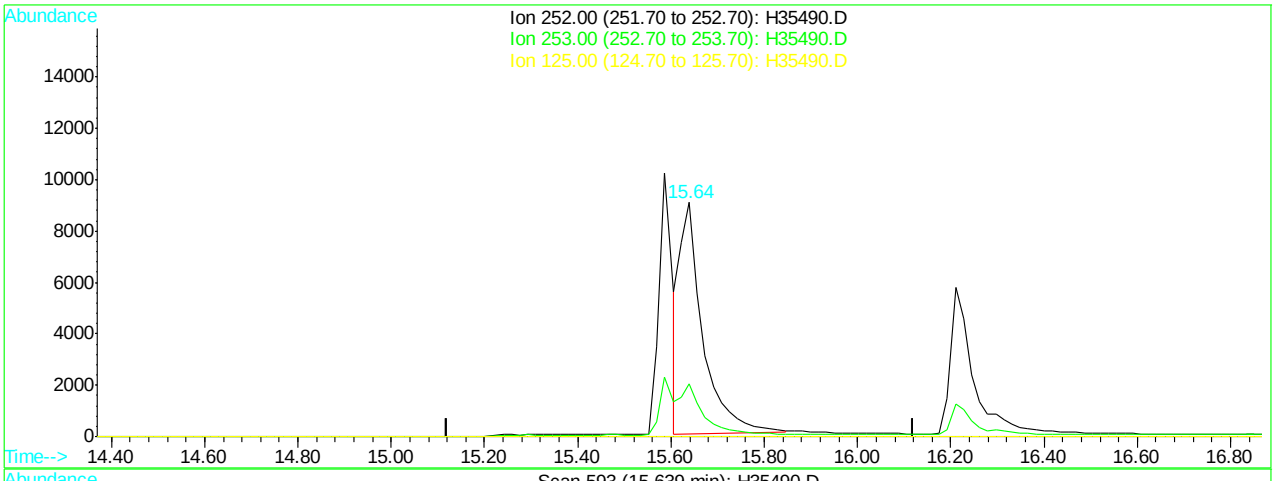
Ion	Exp%	Act%
178.00	100	100
179.00	19.10	17.63
176.00	16.60	16.74
0.00	0.00	0.00

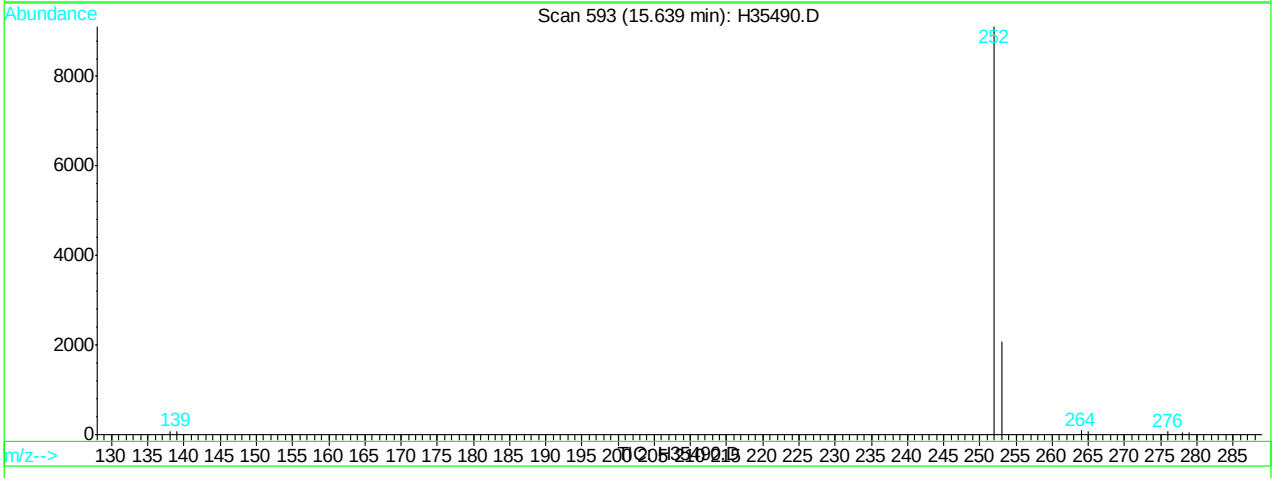
H35490.D H10209SP.M Tue Oct 20 14:49:46 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35490.D Vial: 8
Acq On : 20 Oct 2009 1:34 pm Operator: sheilac
Sample : icc1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 2.98ppb m

response 31581

Ion	Exp%	Act%
252.00	100	100
253.00	20.80	22.76
125.00	0.00	0.00
0.00	0.00	0.00

H35490.D H10209SP.M Tue Oct 20 14:49:49 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/21/09 17:36

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: H10209SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:27:24 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	119758	4.00	ppb	-0.02
4) Naphthalene-d8	7.56	136	69526	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	79659	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	76036	4.00	ppb	0.00
21) Chrysene-d12	13.87	240	84064	4.00	ppb	0.00
26) Perylene-d12	16.31	264	28508	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#	
10) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#	
16) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#	
23) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#	

Target Compounds

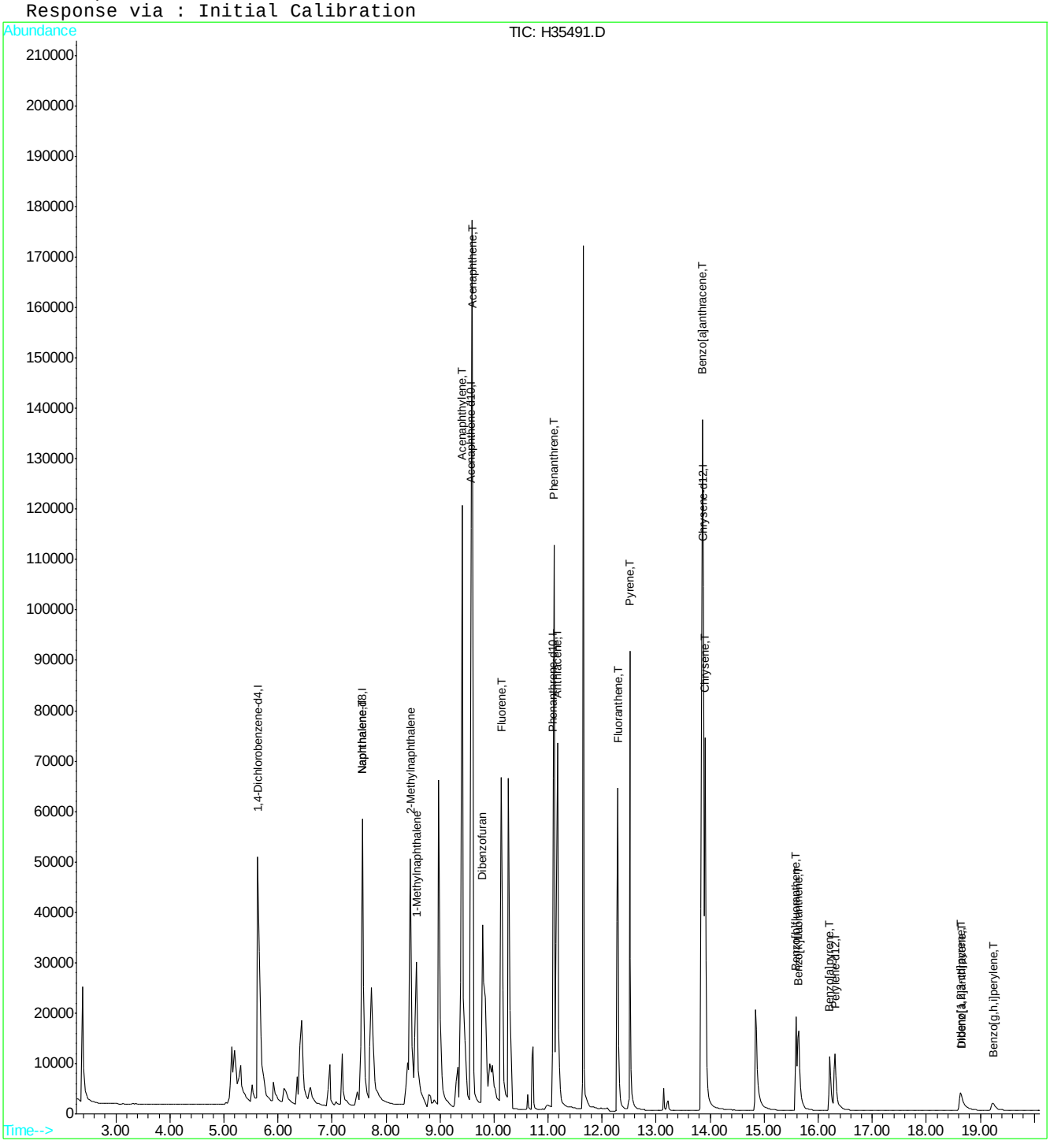
							Qvalue
6) Naphthalene	7.56	128	60971	2.15	ppb	#	72
7) 2-Methylnaphthalene	8.45	142	67247m	2.22	ppb		
8) 1-Methylnaphthalene	8.56	142	63278	1.98	ppb	#	98
11) Acenaphthylene	9.41	152	160795	2.58	ppb		99
12) Acenaphthene	9.60	153	113674	2.39	ppb		94
13) Dibenzofuran	9.78	168	72102	1.99	ppb		96
14) Fluorene	10.13	166	53711	2.05	ppb		98
18) Phenanthrene	11.11	178	106602m	2.60	ppb		
19) Anthracene	11.17	178	108987m	2.52	ppb		
20) Fluoranthene	12.29	202	109462	2.67	ppb		99
22) Pyrene	12.51	202	123628	2.60	ppb		100
24) Benzo[a]anthracene	13.85	228	88413	2.88	ppb		99
25) Chrysene	13.90	228	77432	2.53	ppb		98
27) Benzo[b]fluoranthene	15.59	252	30342	2.55	ppb		99
28) Benzo[k]fluoranthene	15.64	252	44888m	2.93	ppb		
29) Benzo[a]pyrene	16.21	252	26517	2.41	ppb		100
30) Indeno[1,2,3-cd]pyrene	18.63	276	9411	2.49	ppb		96
31) Dibenz[a,h]anthracene	18.65	278	6518	2.69	ppb		96
32) Benzo[g,h,i]perylene	19.24	276	6958	2.57	ppb		98

(#) = qualifier out of range (m) = manual integration
H35491.D H10209SP.M Tue Oct 20 14:50:02 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: H10209SP.RES

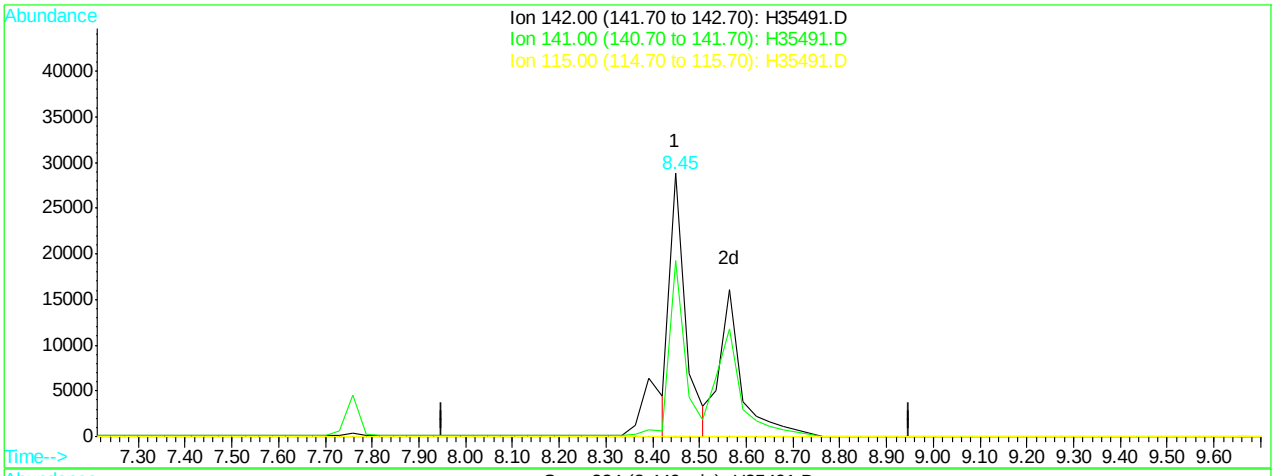
Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Initial Calibration

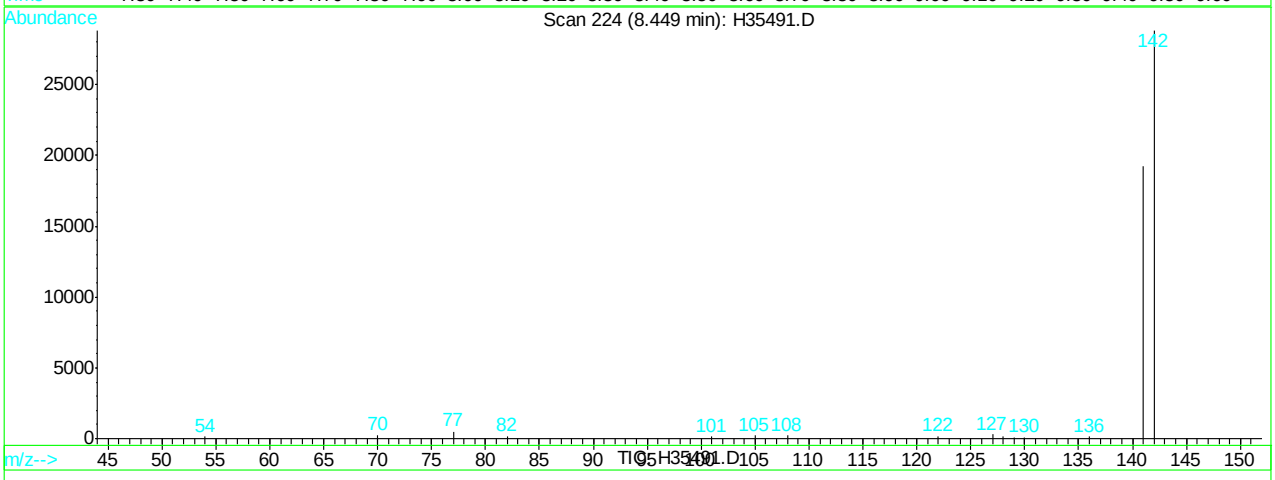


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.22ppb m

response 67247

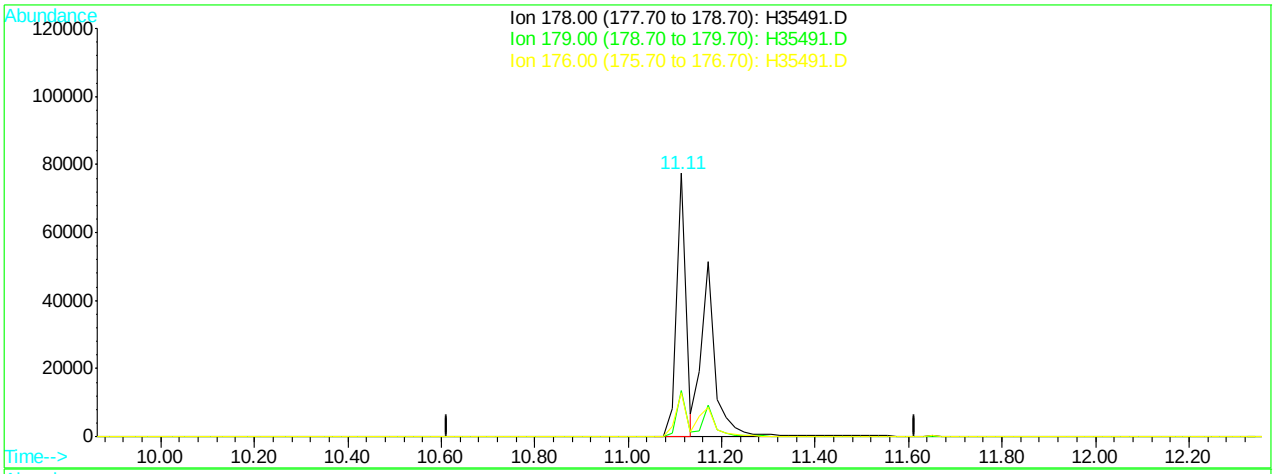
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	68.94
115.00	0.00	0.00
0.00	0.00	0.00

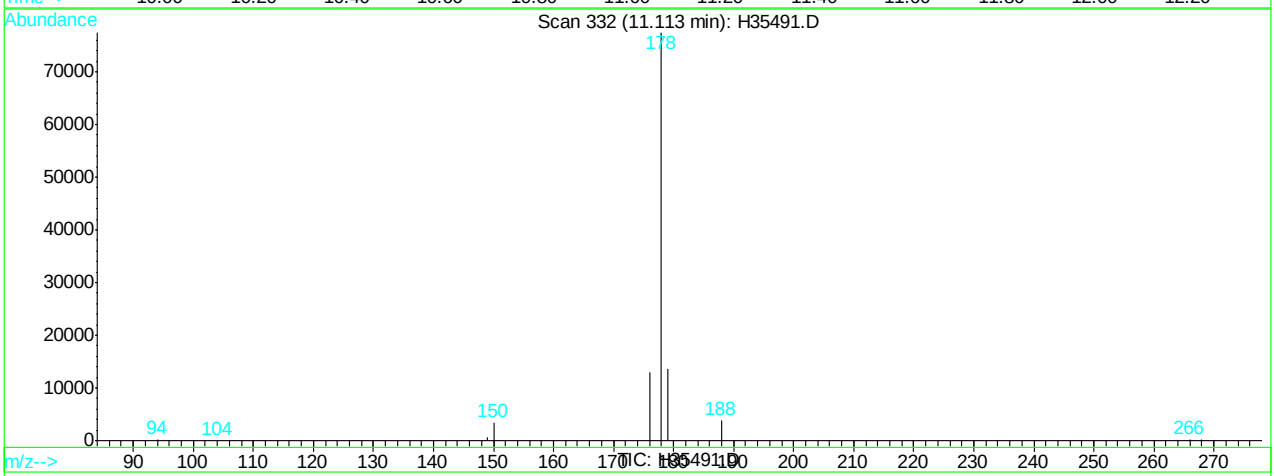
H35491.D H10209SP.M Tue Oct 20 14:50:19 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 2.60ppb m

response 106602

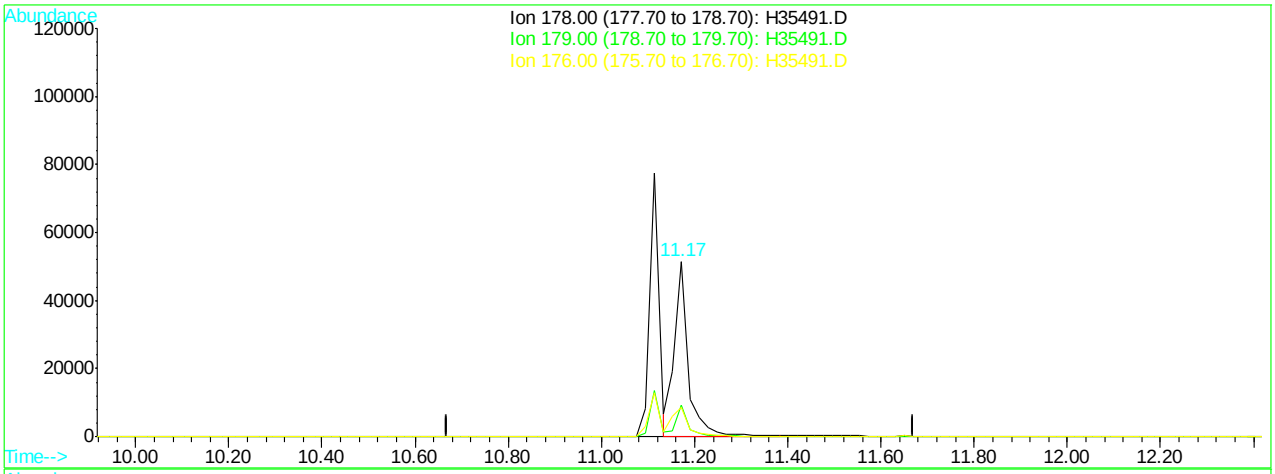
Ion	Exp%	Act%
178.00	100	100
179.00	17.80	17.58
176.00	17.10	16.76
0.00	0.00	0.00

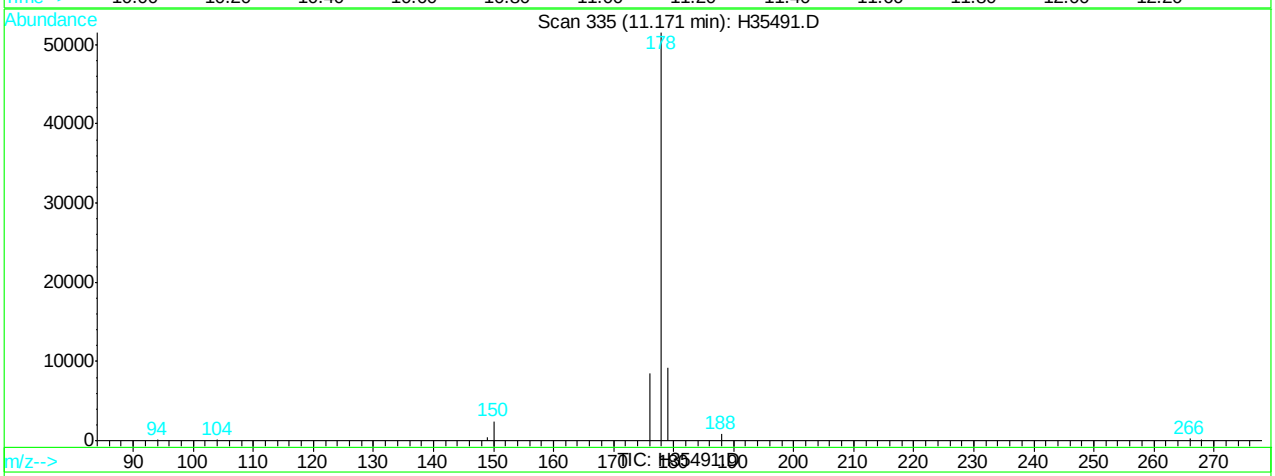
H35491.D H10209SP.M Tue Oct 20 14:50:24 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 2.52ppb m

response 108987

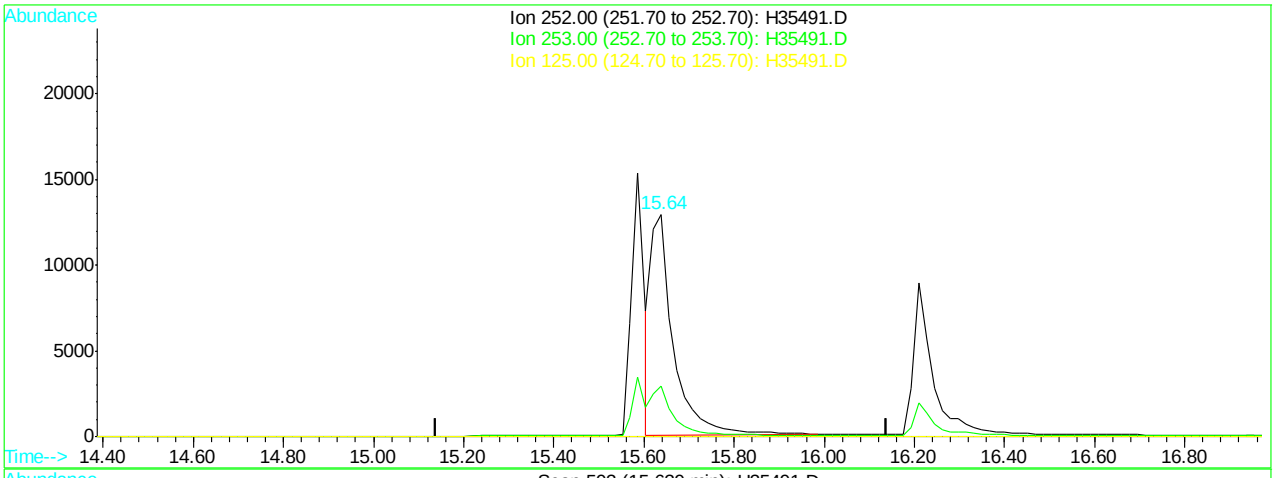
Ion	Exp%	Act%
178.00	100	100
179.00	17.60	17.97
176.00	16.70	16.37
0.00	0.00	0.00

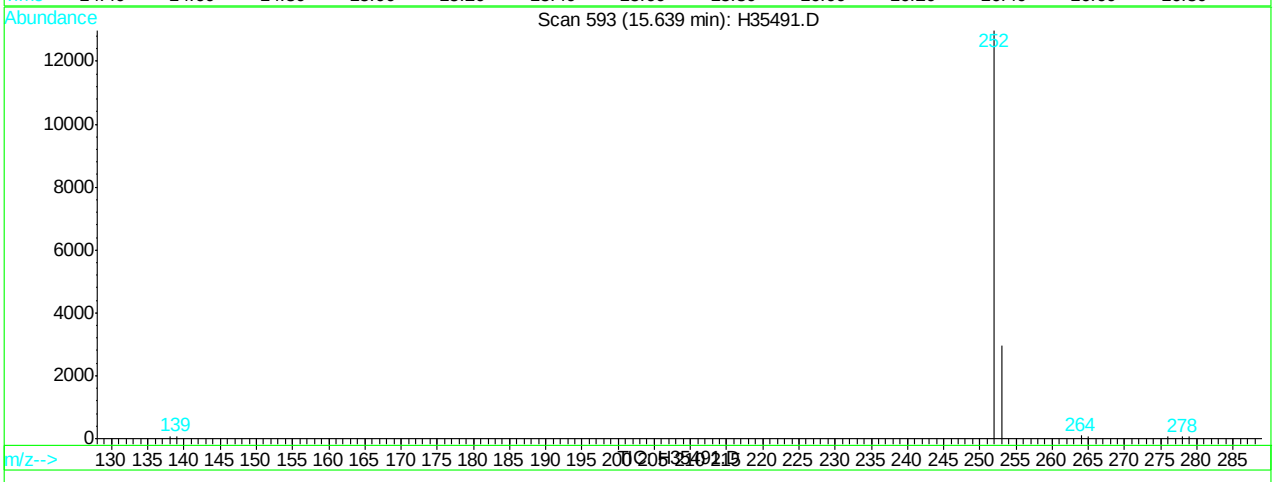
H35491.D H10209SP.M Tue Oct 20 14:50:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1917\H35491.D Vial: 9
Acq On : 20 Oct 2009 1:58 pm Operator: sheilac
Sample : icv1917-2.5 Inst : TXMSH
Misc : OP12779,EH1917,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 14:30 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10209SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Tue Oct 20 14:49:56 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 2.93ppb m

response 44888

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.79
125.00	0.00	0.00
0.00	0.00	0.00

H35491.D H10209SP.M Tue Oct 20 14:50:34 2009

Manual Integrations
APPROVED
(compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	74952	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	71607	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	63482	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	78072	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	38772	4.00	ppb	0.02
26) Perylene-d12	16.35	264	6173	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	49051	8.44	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 168.80%#			
10) 2-Fluorobiphenyl	8.87	172	511620	13.35	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 267.00%#			
16) 2,4,6-Tribromophenol	10.40	330	78101	19.30	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 193.00%#			
23) Terphenyl-d14	12.66	244	88294	18.13	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 362.60%#			

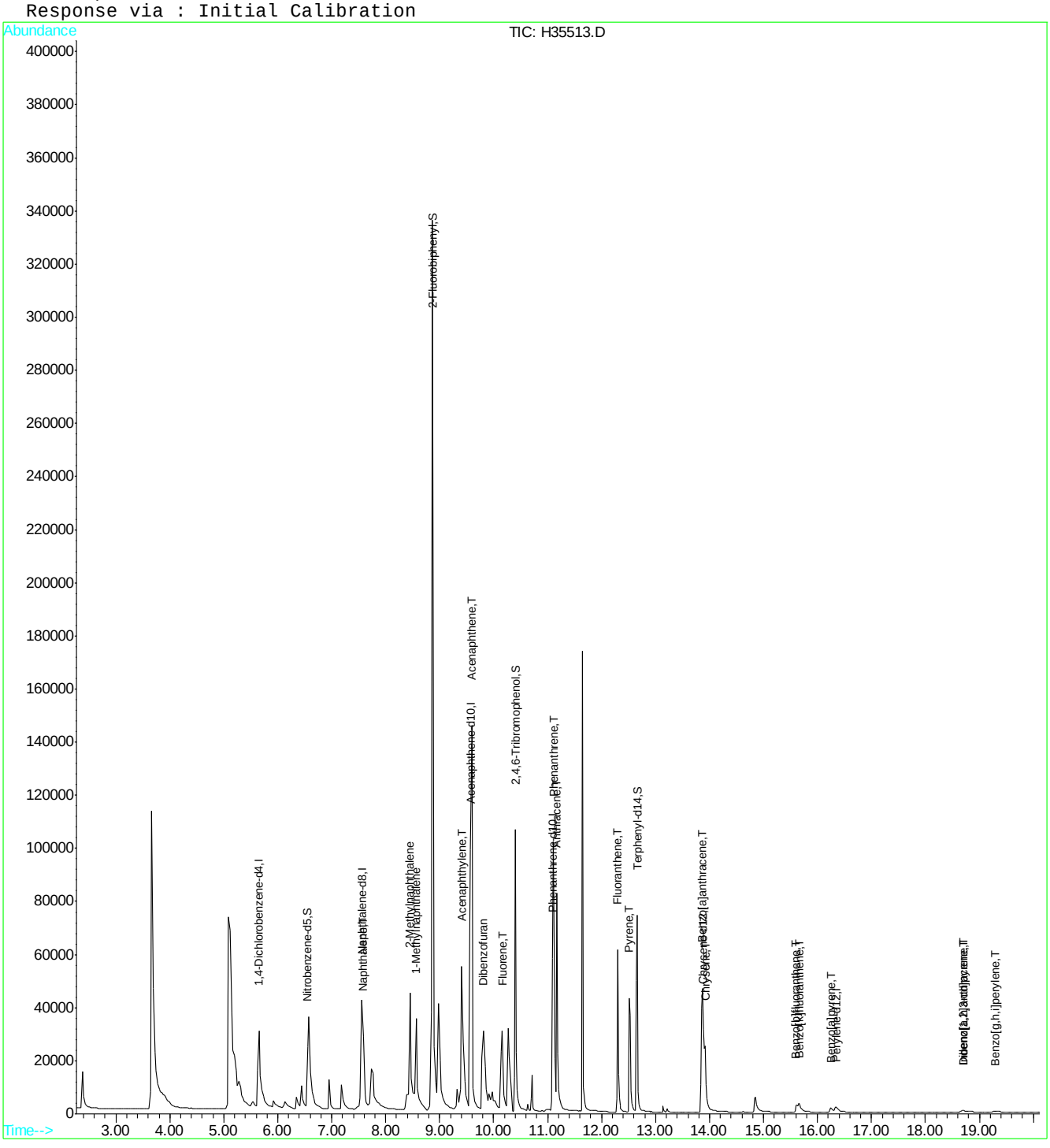
Target Compounds							Qvalue
6) Naphthalene	7.59	128	43283	1.48	ppb		99
7) 2-Methylnaphthalene	8.45	142	65977m	2.68	ppb		
8) 1-Methylnaphthalene	8.56	142	64152	1.79	ppb	#	89
11) Acenaphthylene	9.41	152	87398	1.76	ppb		91
12) Acenaphthene	9.60	153	95669	2.53	ppb		85
13) Dibenzofuran	9.81	168	53398	1.67	ppb	#	70
14) Fluorene	10.16	166	34478	1.45	ppb	#	47
18) Phenanthrene	11.11	178	96007	2.28	ppb		93
19) Anthracene	11.17	178	100198	2.25	ppb		97
20) Fluoranthene	12.30	202	91180	2.16	ppb		97
22) Pyrene	12.51	202	82372m	3.75	ppb		
24) Benzo[a]anthracene	13.87	228	31362	2.21	ppb		93
25) Chrysene	13.92	228	42086m	2.98	ppb		
27) Benzo[b]fluoranthene	15.60	252	6902m	2.87	ppb		
28) Benzo[k]fluoranthene	15.66	252	11509m	3.47	ppb		
29) Benzo[a]pyrene	16.24	252	5949	2.99	ppb		100
30) Indeno[1,2,3-cd]pyrene	18.70	276	2167	3.20	ppb		96
31) Dibenz[a,h]anthracene	18.70	278	1360	3.23	ppb		98
32) Benzo[g,h,i]perylene	19.29	276	1902	3.89	ppb		96

(#) = qualifier out of range (m) = manual integration
H35513.D H10229SP.M Thu Oct 22 13:27:55 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: H10219SP.RES

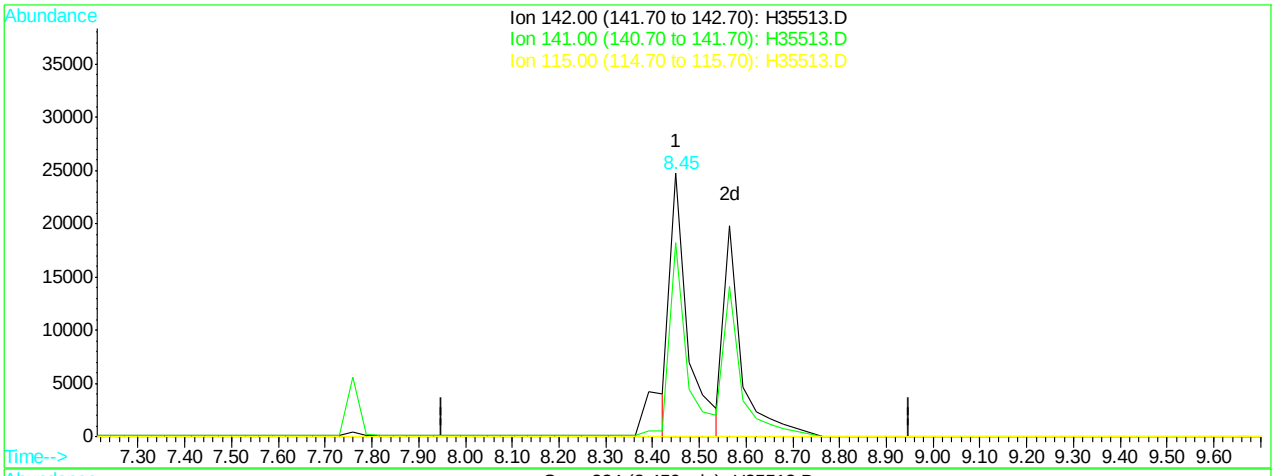
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

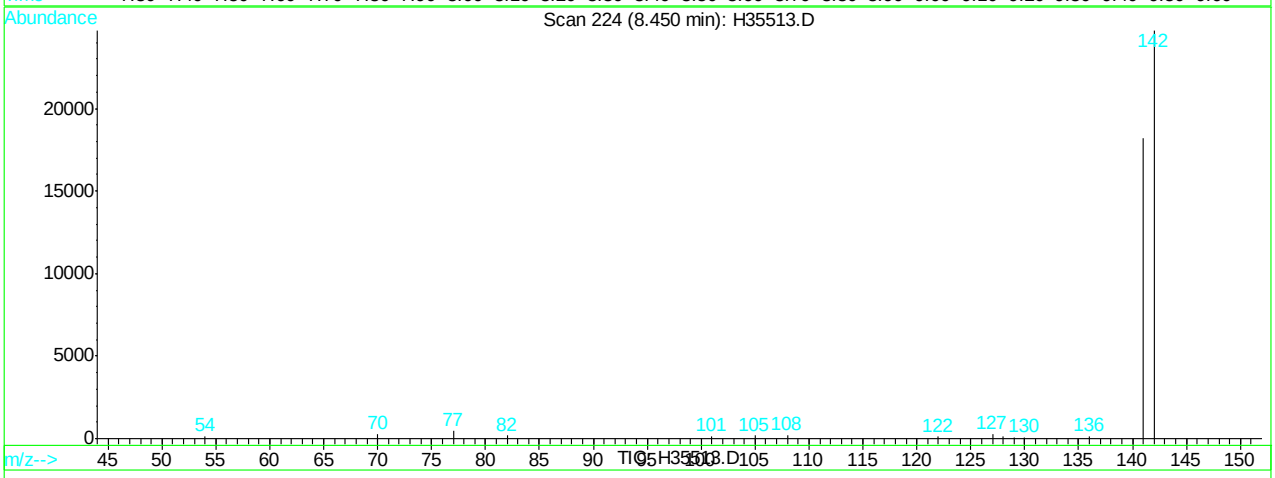


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 2.68ppb m

response 65977

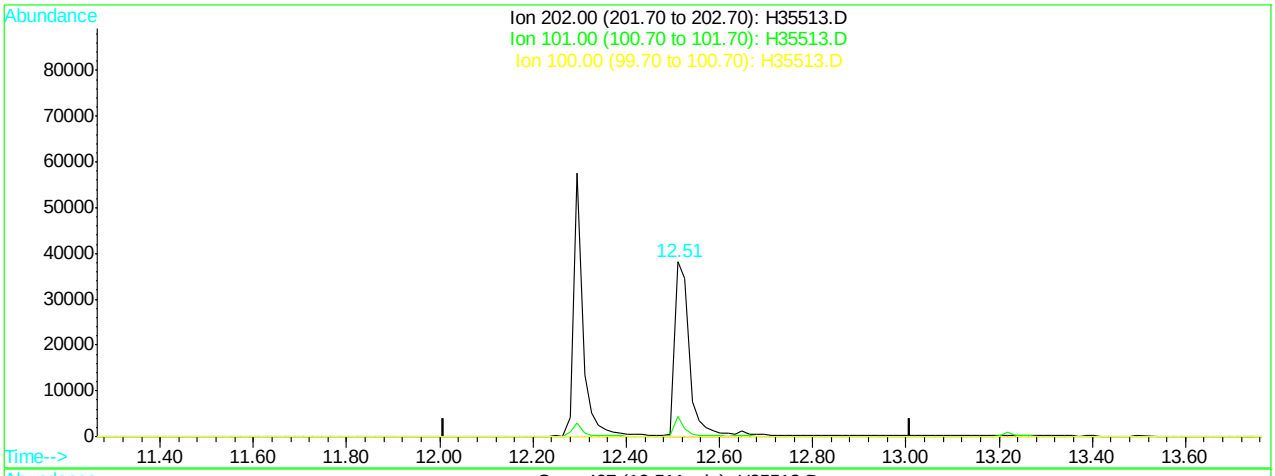
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	72.38
115.00	0.00	0.00
0.00	0.00	0.00

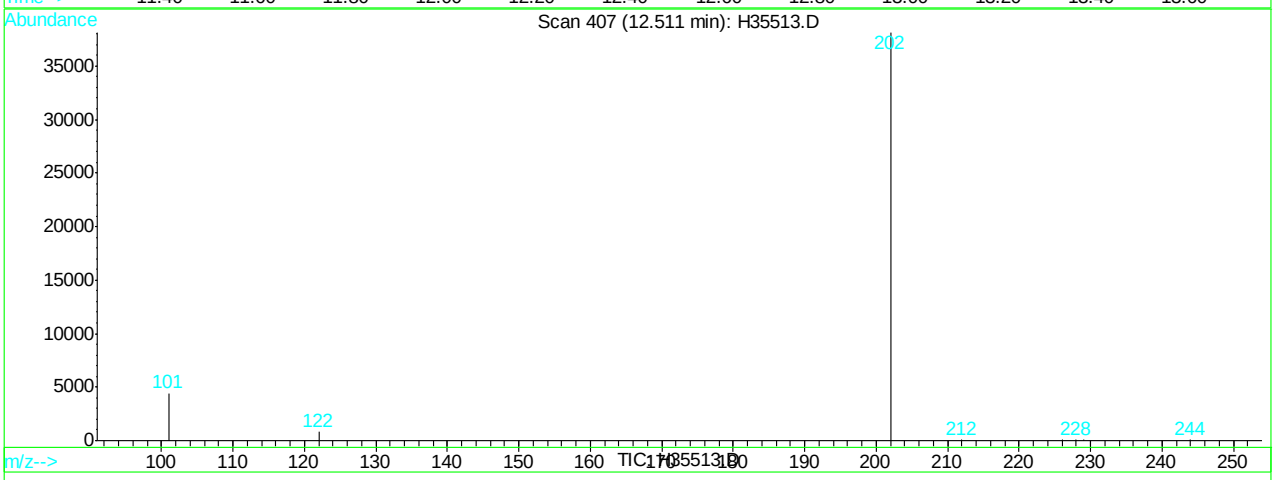
H35513.D H10229SP.M Thu Oct 22 13:28:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.51min 3.75ppb m

response 82372

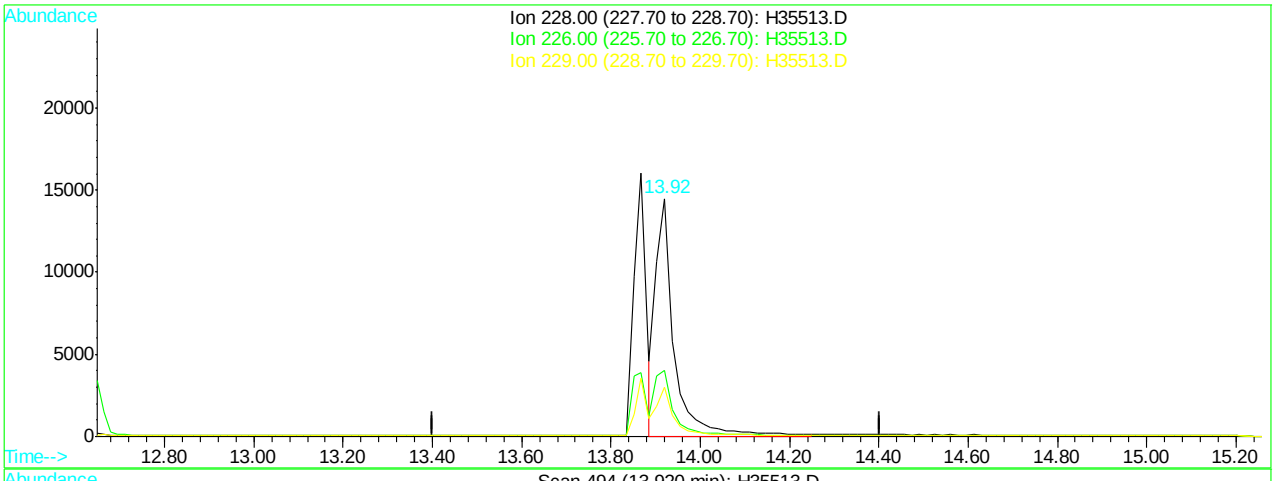
Ion	Exp%	Act%
202.00	100	100
101.00	6.90	11.68#
100.00	0.00	0.00
0.00	0.00	0.00

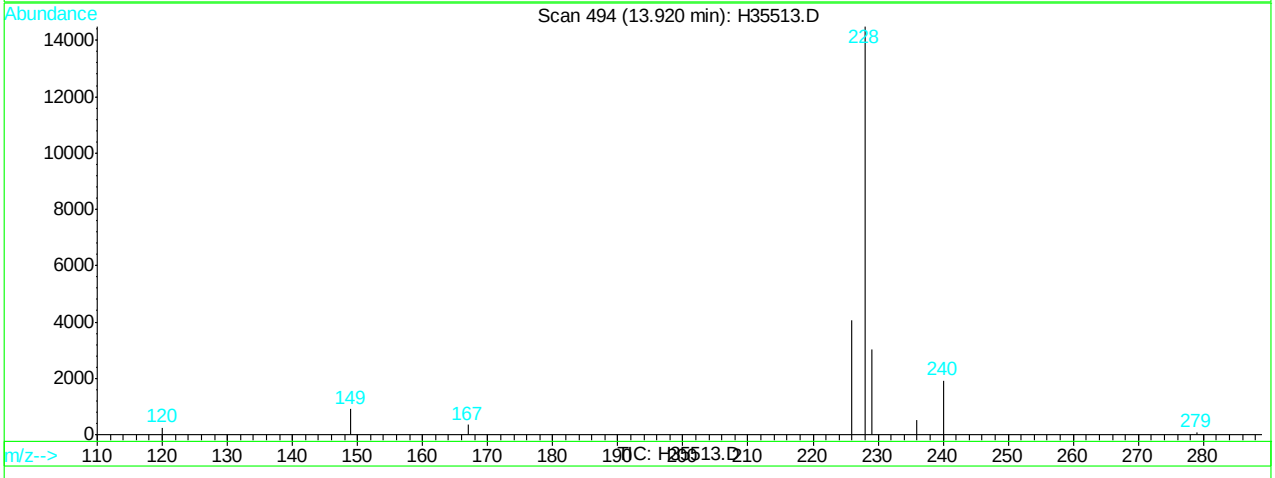
H35513.D H10229SP.M Thu Oct 22 13:28:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 2.98ppb m

response 42086

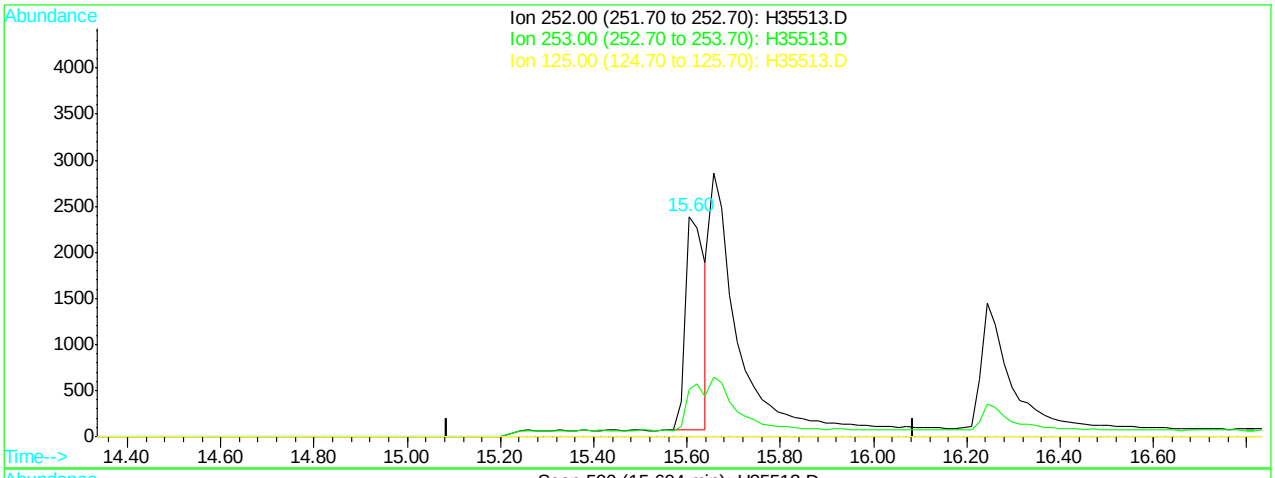
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	27.96
229.00	19.10	20.88
0.00	0.00	0.00

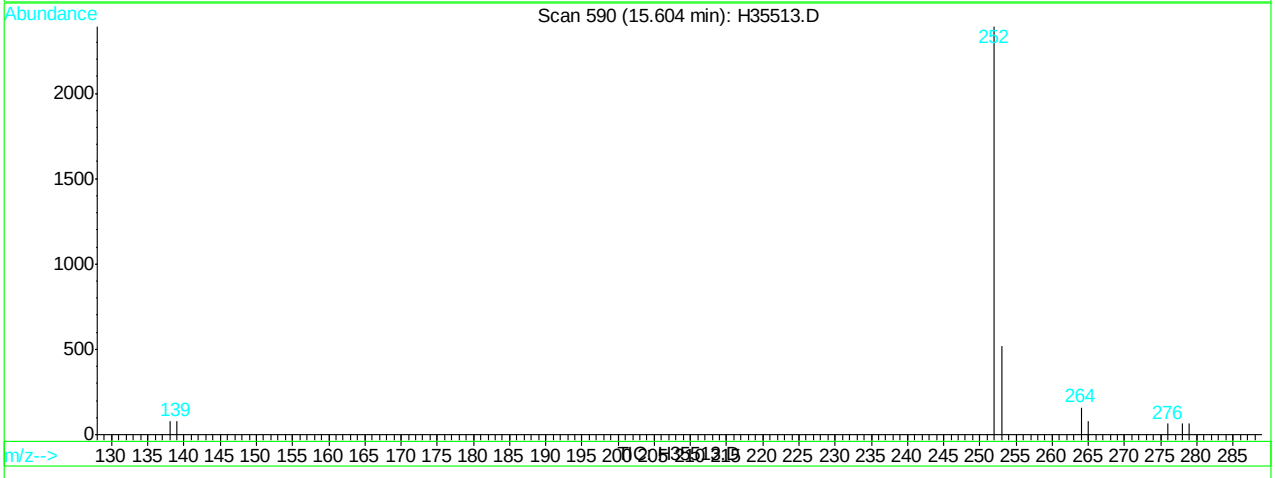
H35513.D H10229SP.M Thu Oct 22 13:28:27 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.60min 2.87ppb m

response 6902

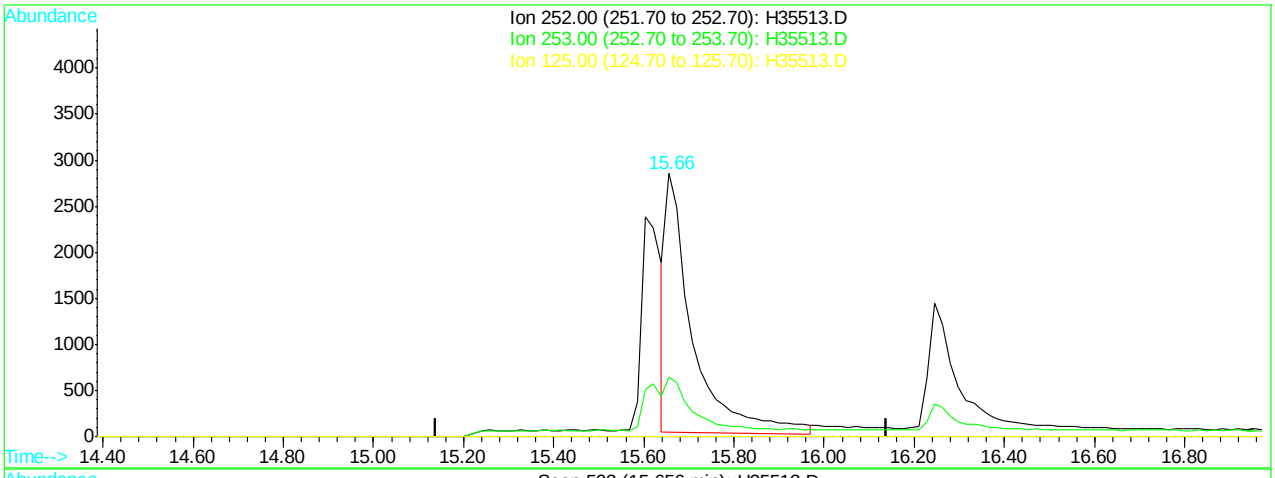
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.58
125.00	0.00	0.00
0.00	0.00	0.00

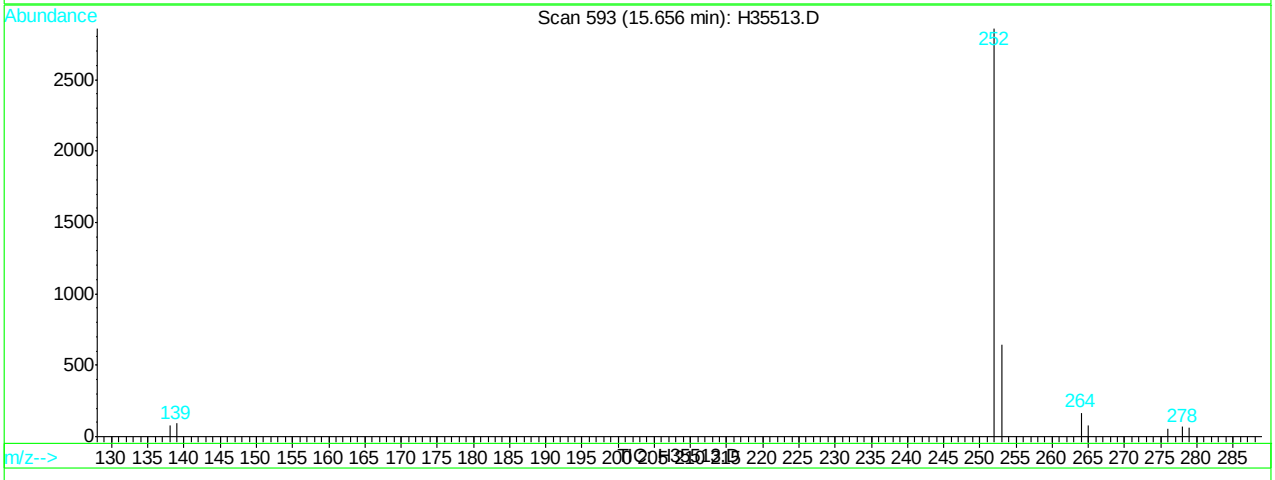
H35513.D H10229SP.M Thu Oct 22 13:28:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35513.D Vial: 2
Acq On : 21 Oct 2009 11:02 am Operator: sheilac
Sample : icc1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:44 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 3.47ppb m

response 11509

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.46
125.00	0.00	0.00
0.00	0.00	0.00

H35513.D H10229SP.M Thu Oct 22 13:28:33 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	78298	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	76607	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	62834	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	83309	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	36240	4.00	ppb	0.02
26) Perylene-d12	16.35	264	8919	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.58	82	19091	3.07	ppb	0.03
Spiked Amount 5.000	Range 17 - 131		Recovery	=	61.40%	
10) 2-Fluorobiphenyl	8.87	172	202432	5.34	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	=	106.80%	
16) 2,4,6-Tribromophenol	10.40	330	28422	6.58	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	=	65.80%	
23) Terphenyl-d14	12.66	244	35516	7.80	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	=	156.00%	

Target Compounds

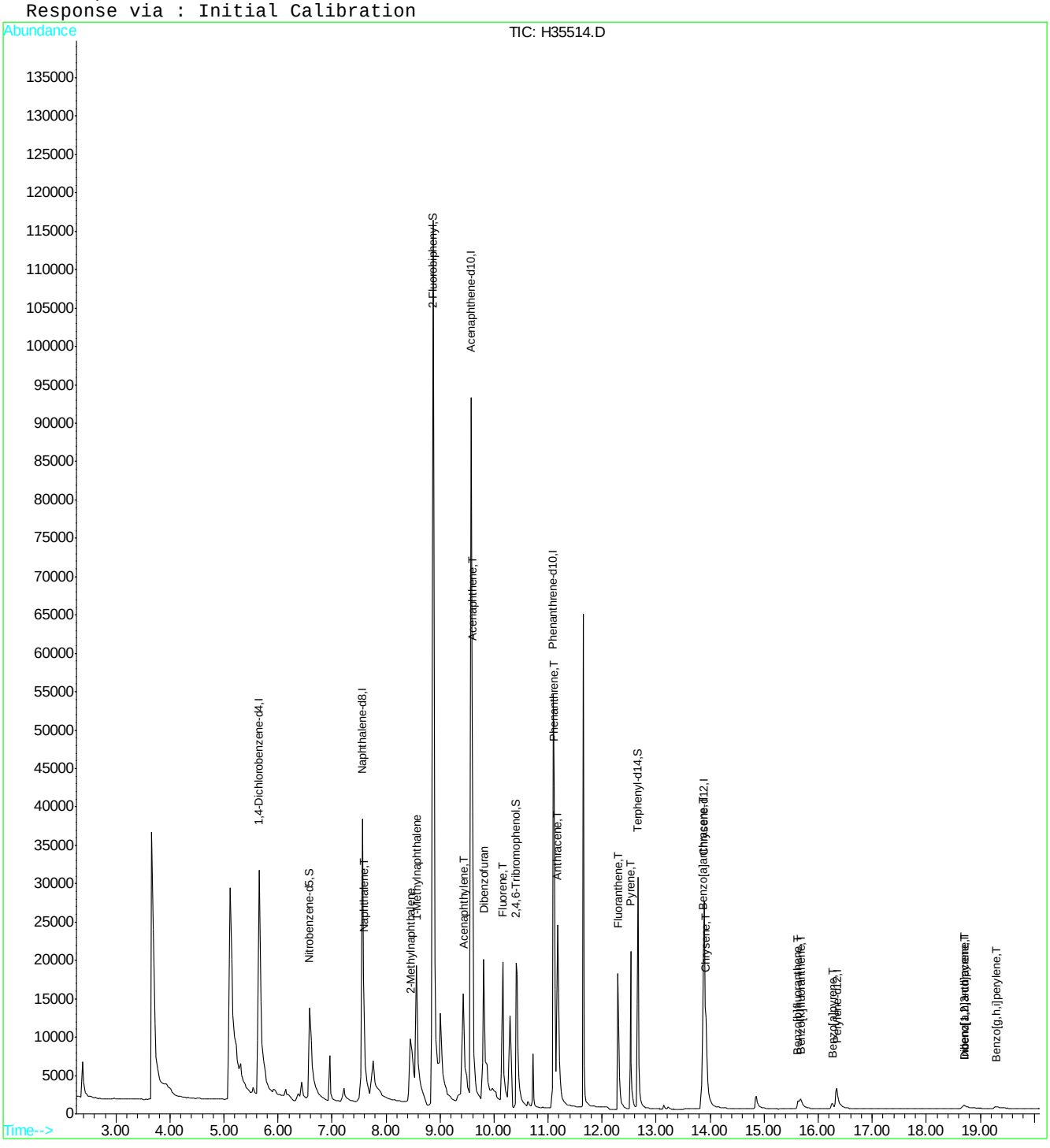
							Qvalue
6) Naphthalene	7.59	128	21719	0.70	ppb		99
7) 2-Methylnaphthalene	8.45	142	21988	0.83	ppb	#	95
8) 1-Methylnaphthalene	8.56	142	36642	0.96	ppb	#	91
11) Acenaphthylene	9.44	152	28383	0.58	ppb	#	89
12) Acenaphthene	9.60	153	35398	0.94	ppb		78
13) Dibenzofuran	9.81	168	34477	1.09	ppb		98
14) Fluorene	10.16	166	17993	0.76	ppb	#	50
18) Phenanthrene	11.11	178	36723	0.82	ppb		90
19) Anthracene	11.17	178	41209	0.87	ppb	#	87
20) Fluoranthene	12.30	202	38438	0.85	ppb	#	90
22) Pyrene	12.53	202	31371	1.53	ppb		96
24) Benzo[a]anthracene	13.87	228	13025	0.98	ppb		95
25) Chrysene	13.92	228	13065	0.99	ppb		96
27) Benzo[b]fluoranthene	15.62	252	2127m	0.61	ppb		
28) Benzo[k]fluoranthene	15.67	252	4846m	1.01	ppb		
29) Benzo[a]pyrene	16.26	252	3104	1.08	ppb		97
30) Indeno[1,2,3-cd]pyrene	18.70	276	1689	1.73	ppb		97
31) Dibenz[a,h]anthracene	18.70	278	1082	1.78	ppb		97
32) Benzo[g,h,i]perylene	19.29	276	1606	2.27	ppb		97

(#) = qualifier out of range (m) = manual integration
H35514.D H10229SP.M Thu Oct 22 13:28:42 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: H10219SP.RES

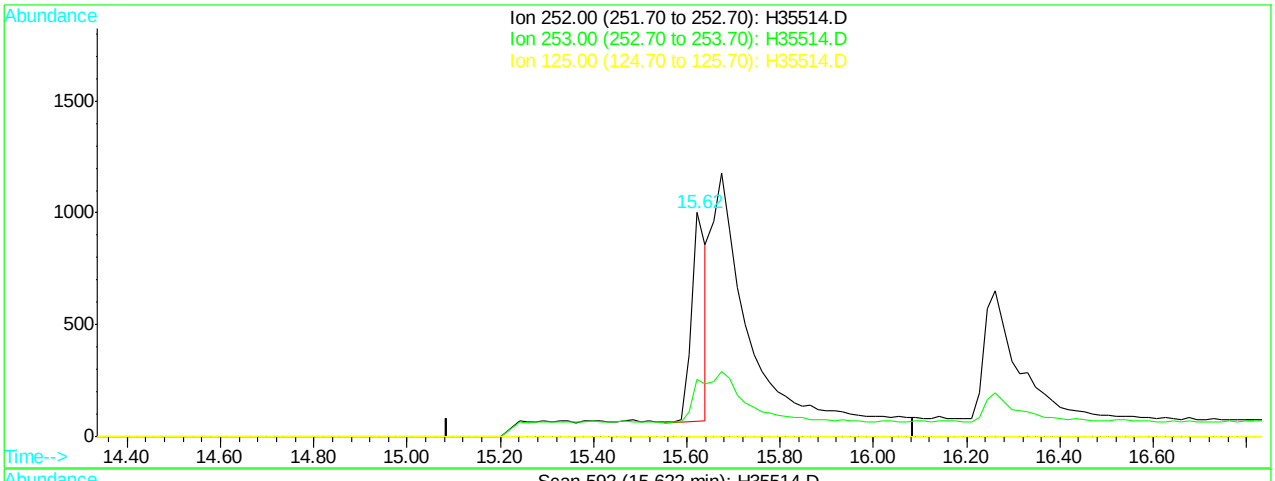
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

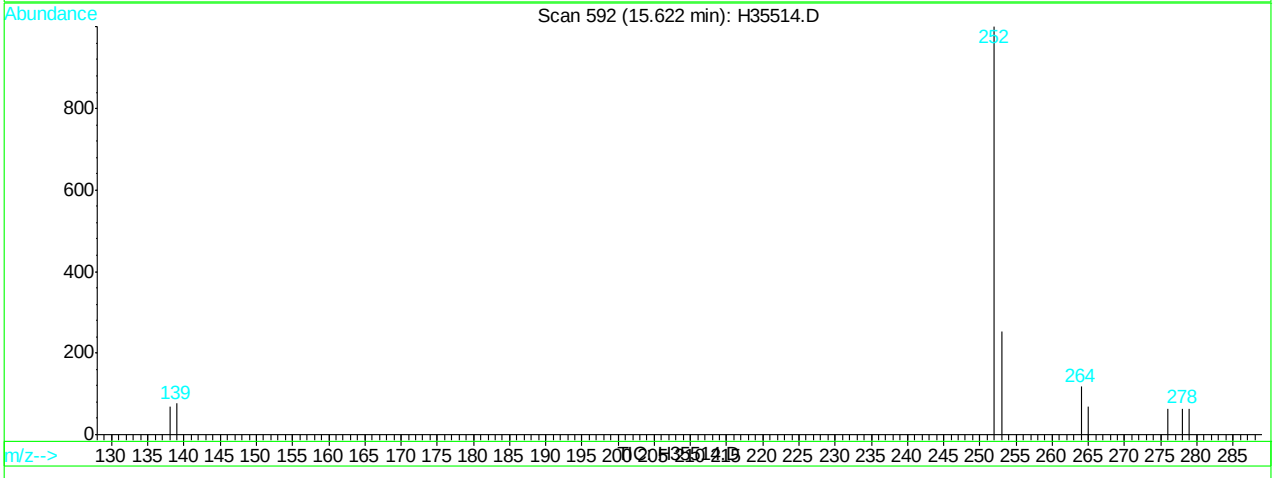


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.62min 0.61ppb m

response 2127

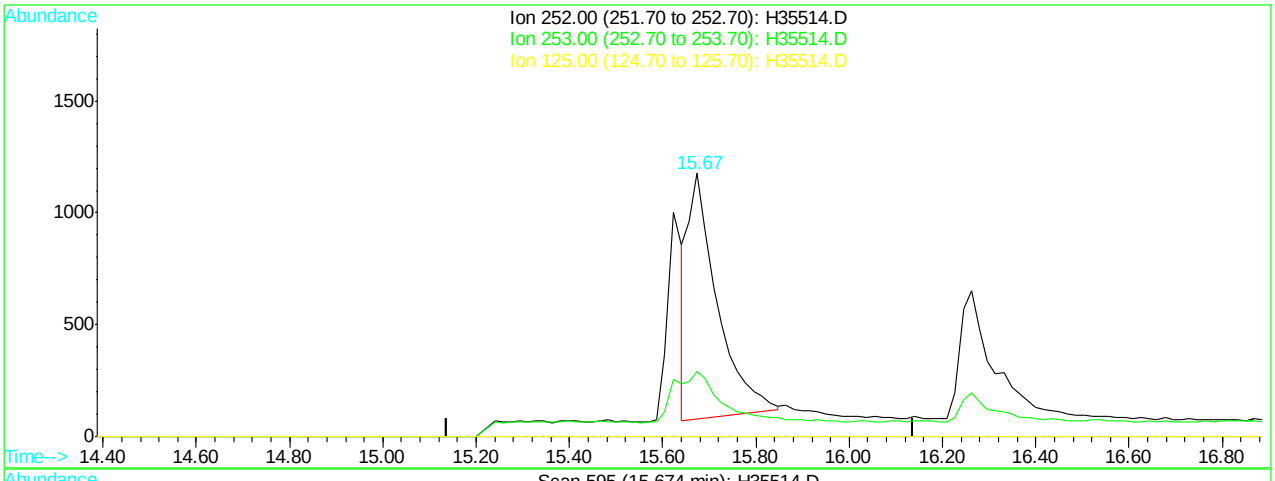
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	25.37
125.00	0.00	0.00
0.00	0.00	0.00

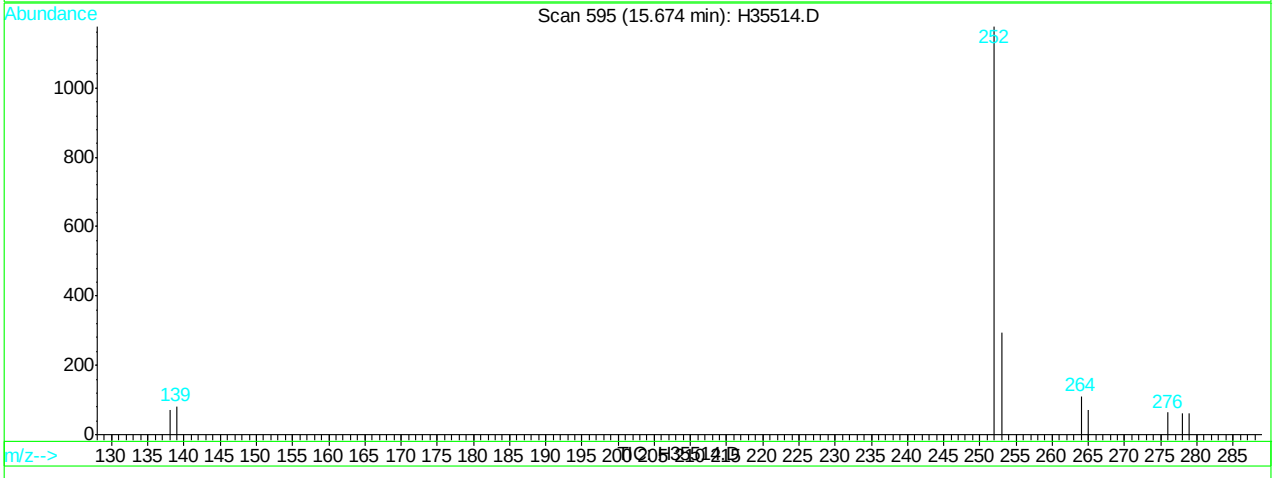
H35514.D H10229SP.M Thu Oct 22 13:29:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35514.D Vial: 3
Acq On : 21 Oct 2009 11:31 am Operator: sheilac
Sample : ic1918-1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:45 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 1.01ppb m

response 4846

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	24.89
125.00	0.00	0.00
0.00	0.00	0.00

H35514.D H10229SP.M Thu Oct 22 13:29:05 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	76671	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	74580	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	51002	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	75853	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	25379	4.00	ppb	0.02
26) Perylene-d12	16.37	264	5328	4.00	ppb	0.05

System Monitoring Compounds

5) Nitrobenzene-d5	6.78	82	1453m	0.24	ppb	0.23
Spiked Amount 5.000	Range 17 - 131		Recovery	=	4.80%#	
10) 2-Fluorobiphenyl	8.90	172	16002	0.52	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	10.40%#	
16) 2,4,6-Tribromophenol	10.45	330	1298m	0.33	ppb	0.05
Spiked Amount 10.000	Range 10 - 123		Recovery	=	3.30%#	
23) Terphenyl-d14	12.68	244	2800	0.88	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery	=	17.60%	

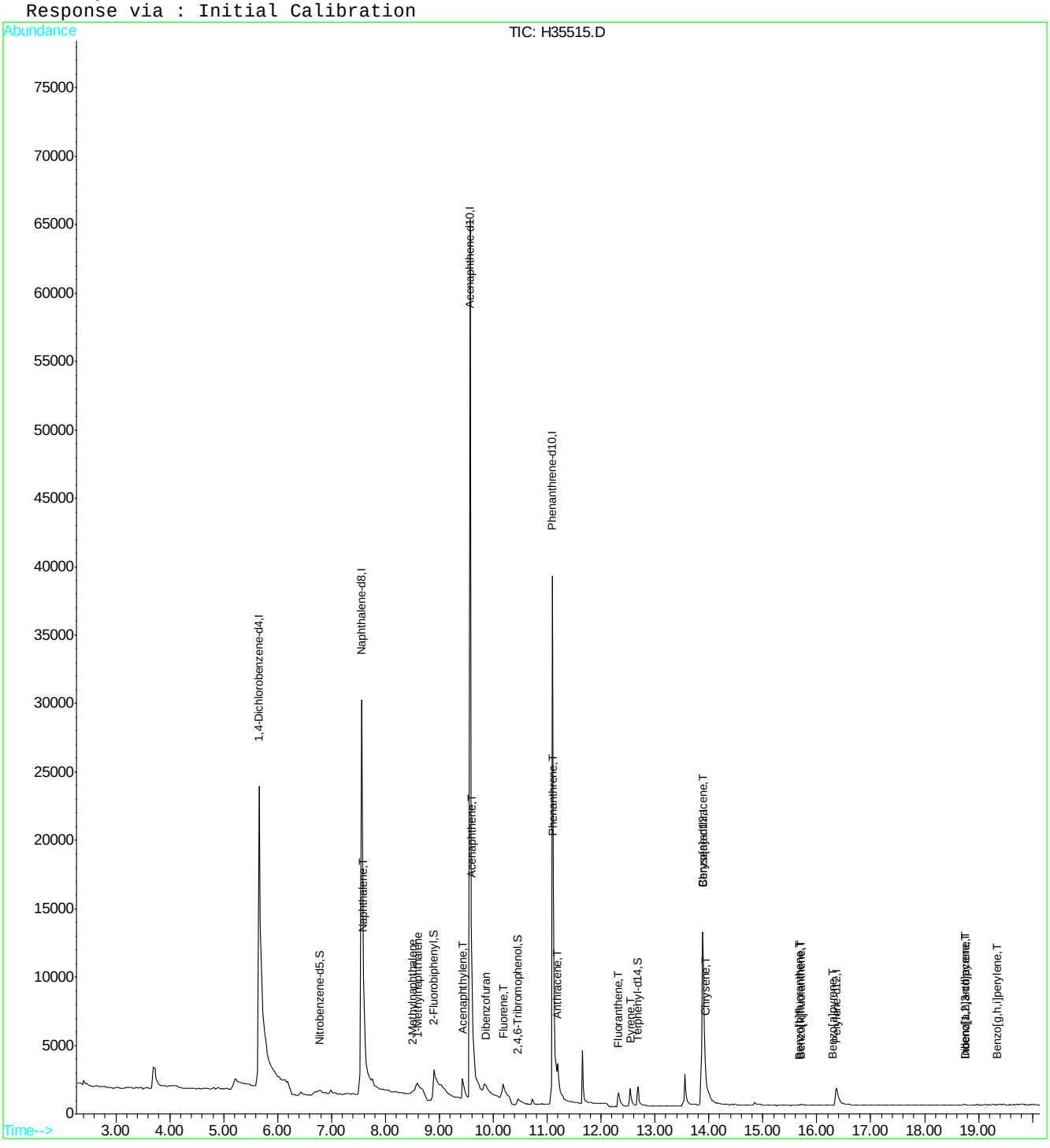
Target Compounds							Qvalue
6) Naphthalene	7.59	128	2448	0.08	ppb		96
7) 2-Methylnaphthalene	8.51	142	580m	0.02	ppb		
8) 1-Methylnaphthalene	8.59	142	2546m	0.07	ppb		
11) Acenaphthylene	9.43	152	3242	0.08	ppb		99
12) Acenaphthene	9.60	153	2712	0.09	ppb	#	67
13) Dibenzofuran	9.86	168	3150	0.12	ppb		96
14) Fluorene	10.19	166	1368	0.07	ppb	#	59
18) Phenanthrene	11.11	178	3940m	0.10	ppb		
19) Anthracene	11.19	178	4332	0.10	ppb		94
20) Fluoranthene	12.33	202	3295	0.08	ppb		97
22) Pyrene	12.54	202	3422	0.24	ppb		96
24) Benzo[a]anthracene	13.88	228	771	0.08	ppb	#	90
25) Chrysene	13.94	228	1233m	0.13	ppb		
27) Benzo[b]fluoranthene	15.67	252	114m	0.05	ppb		
28) Benzo[k]fluoranthene	15.71	252	227m	0.08	ppb		
29) Benzo[a]pyrene	16.30	252	113	0.07	ppb	#	69
30) Indeno[1,2,3-cd]pyrene	18.75	276	58	0.10	ppb	#	59
31) Dibenz[a,h]anthracene	18.75	278	49	0.13	ppb	#	49
32) Benzo[g,h,i]perylene	19.34	276	62	0.15	ppb		96

(#) = qualifier out of range (m) = manual integration
H35515.D H10229SP.M Thu Oct 22 13:29:12 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: H10219SP.RES

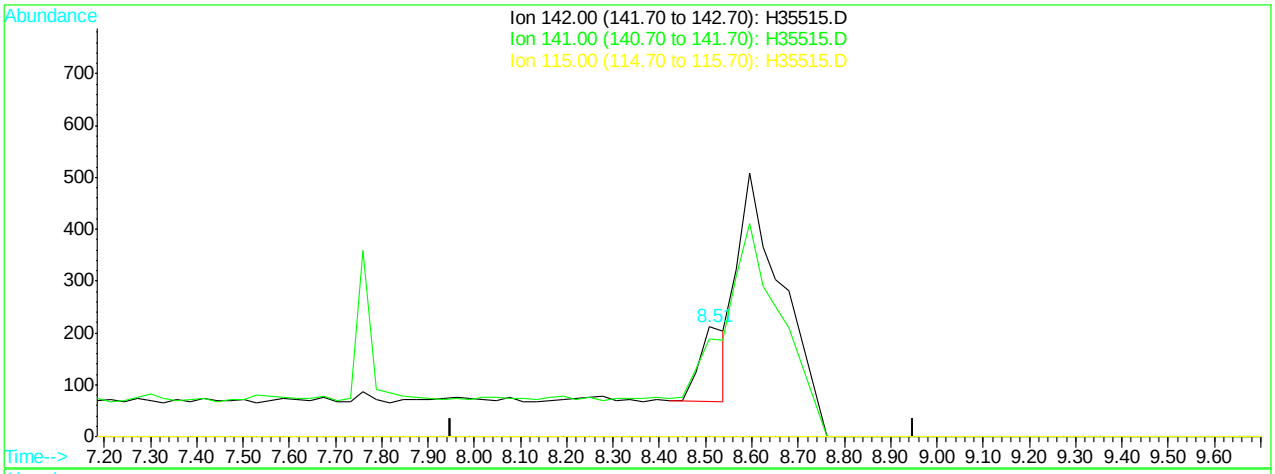
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

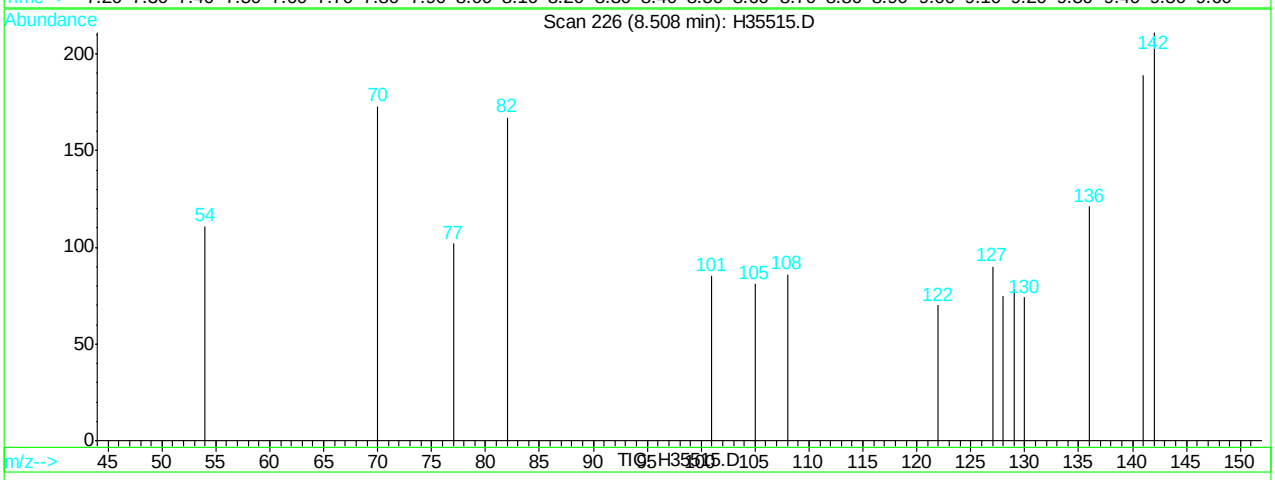


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.51min 0.02ppb m

response 580

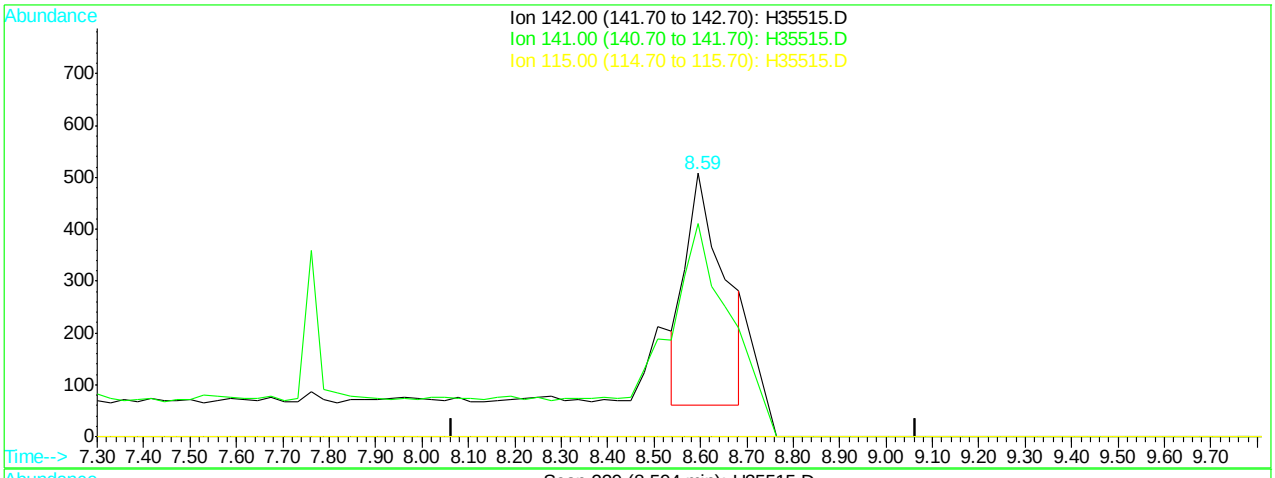
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	708.62#
115.00	0.00	0.00
0.00	0.00	0.00

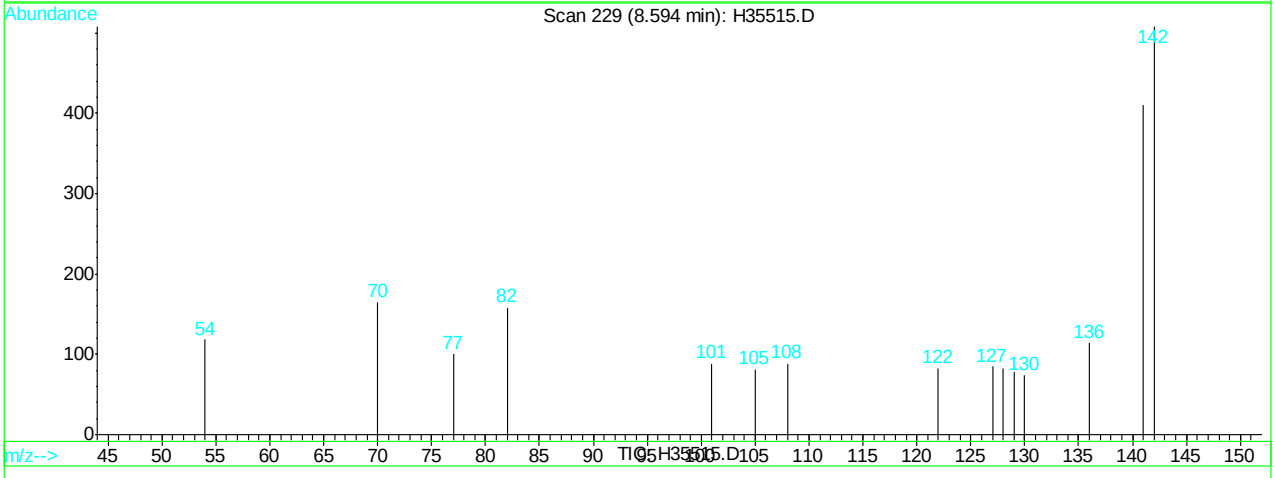
H35515.D H10229SP.M Thu Oct 22 13:29:35 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.59min 0.07ppb m

response 2546

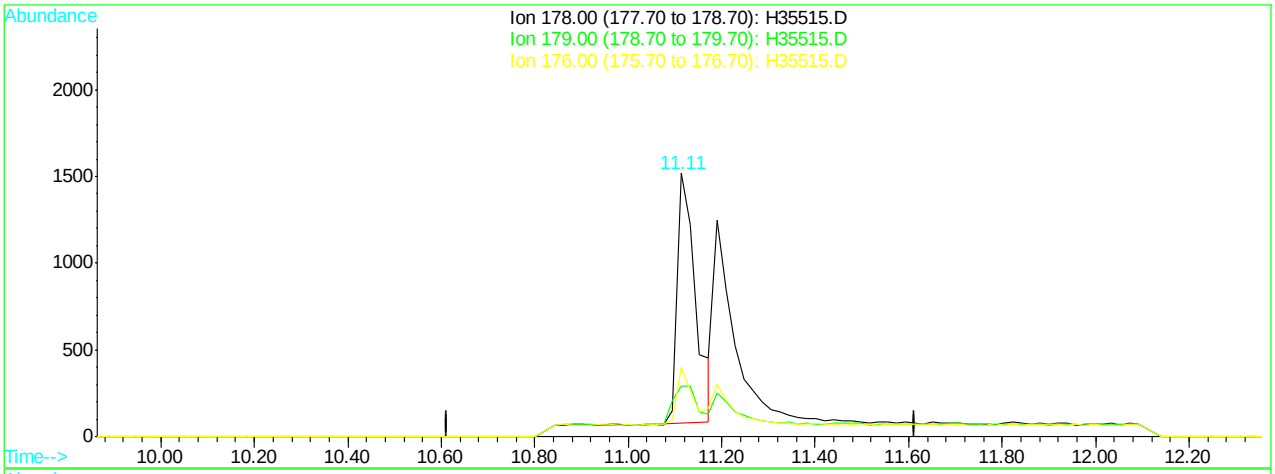
Ion	Exp%	Act%
142.00	100	100
141.00	81.20	161.43#
115.00	0.00	0.00
0.00	0.00	0.00

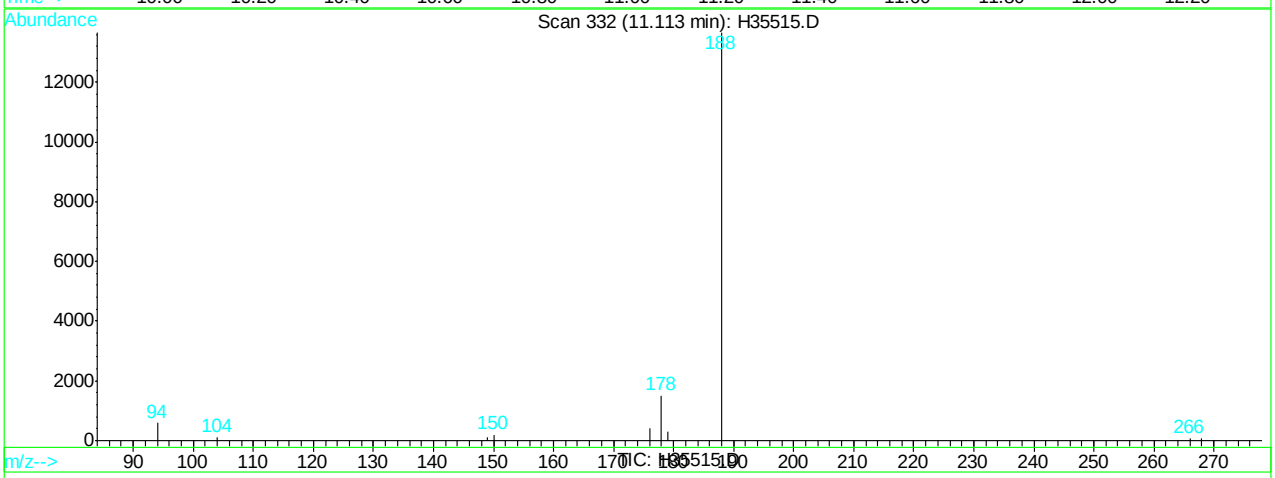
H35515.D H10229SP.M Thu Oct 22 13:29:39 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.10ppb m

response 3940

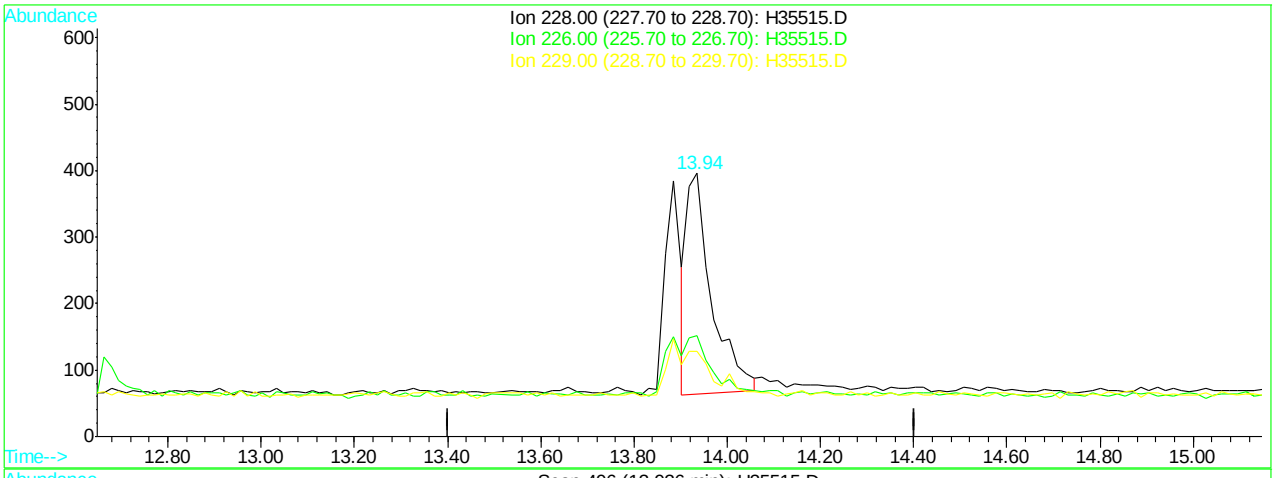
Ion	Exp%	Act%
178.00	100	100
179.00	17.80	19.04
176.00	17.10	26.61#
0.00	0.00	0.00

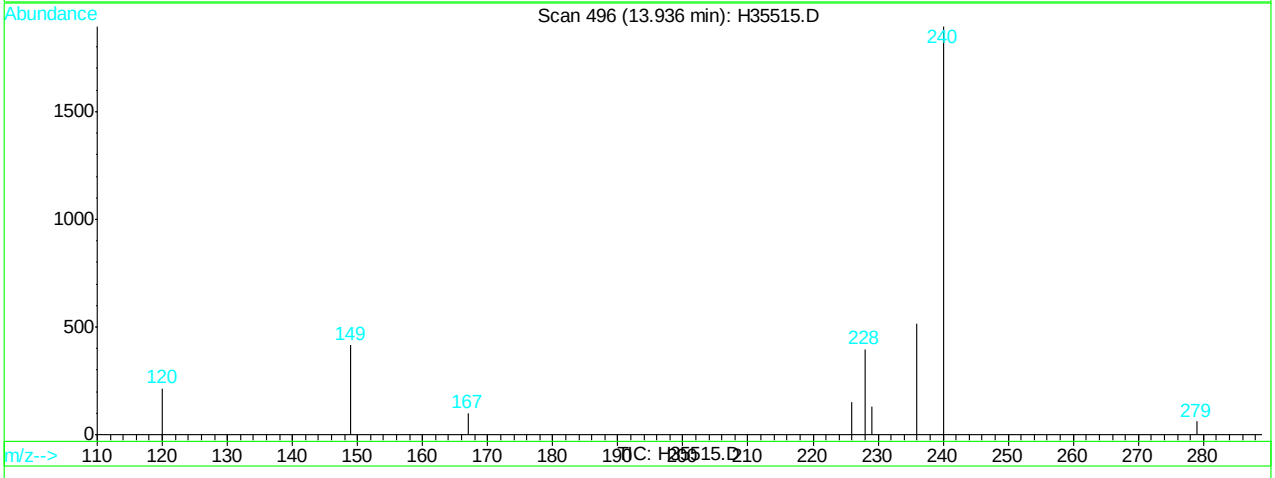
H35515.D H10229SP.M Thu Oct 22 13:29:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 0.13ppb m

response 1233

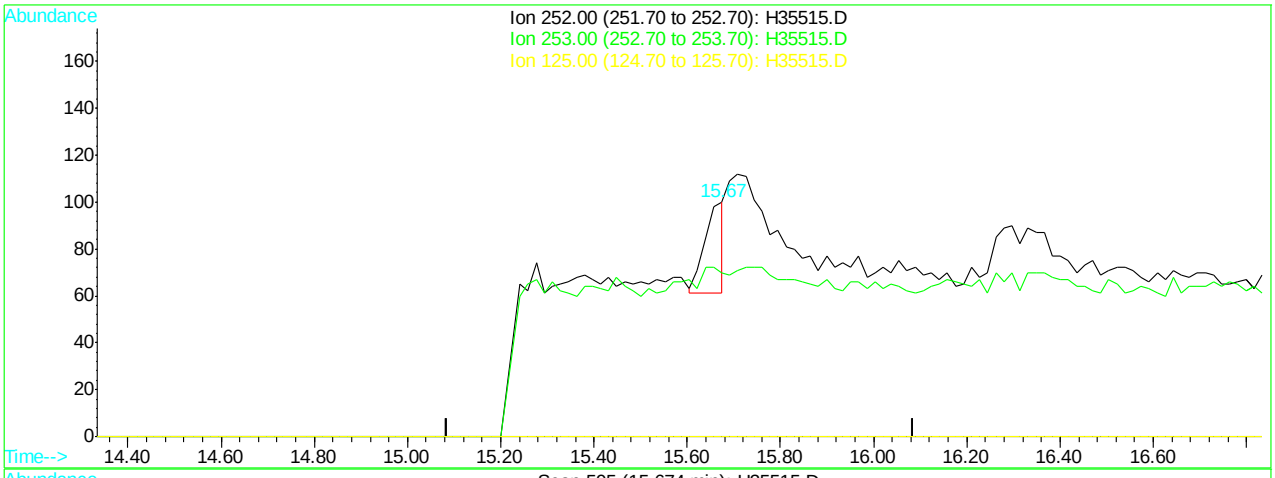
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	38.38
229.00	19.10	32.32#
0.00	0.00	0.00

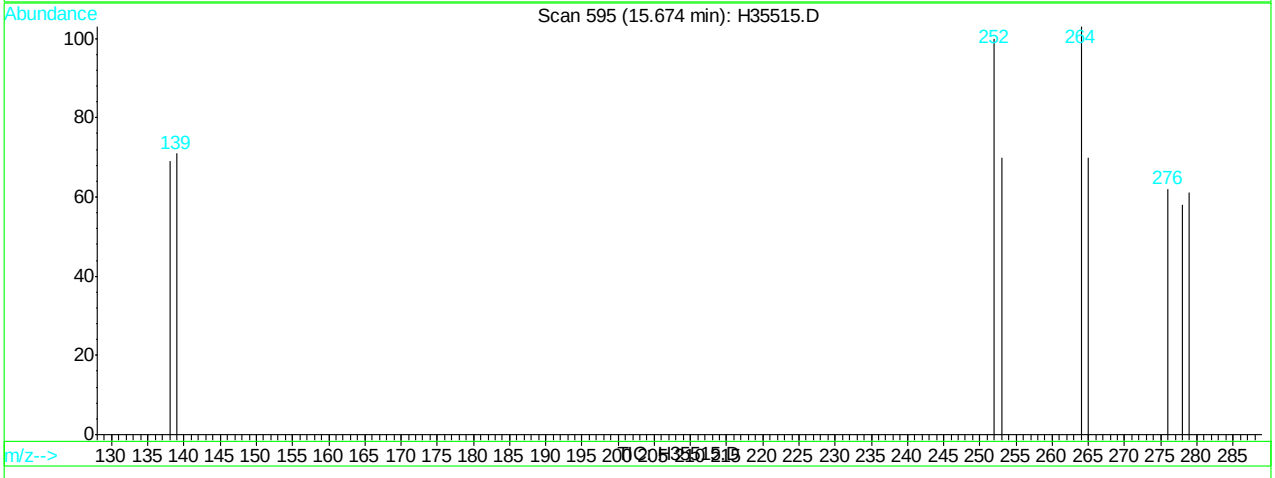
H35515.D H10229SP.M Thu Oct 22 13:29:49 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.67min 0.05ppb m

response 114

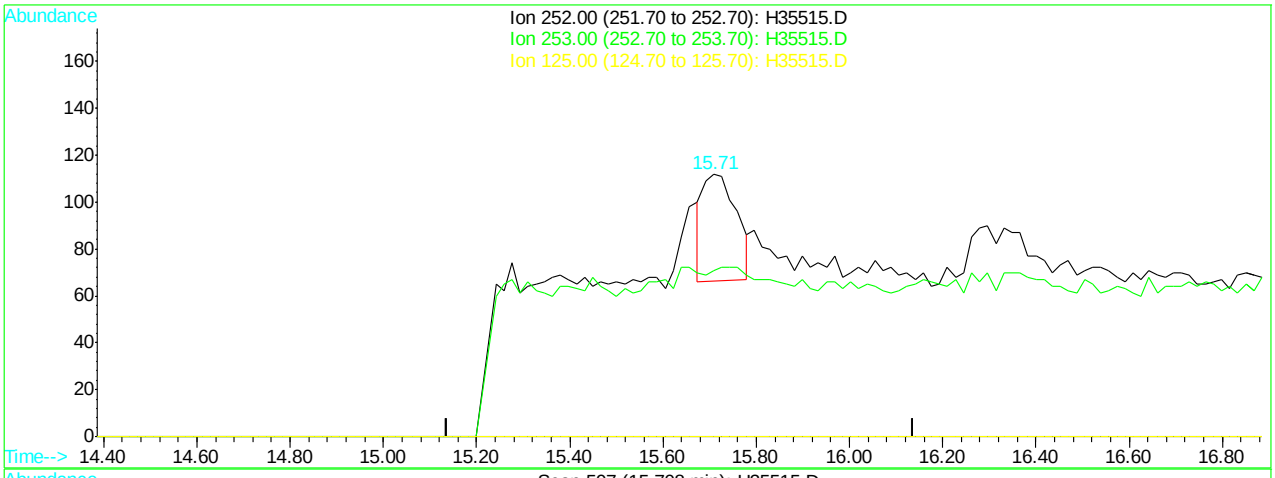
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	70.00#
125.00	0.00	0.00
0.00	0.00	0.00

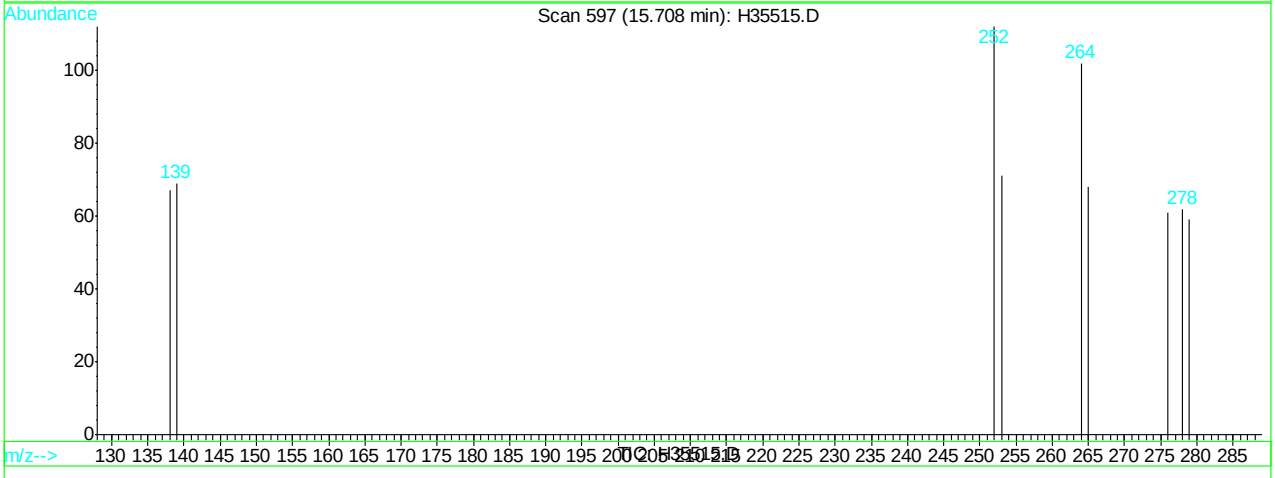
H35515.D H10229SP.M Thu Oct 22 13:29:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.71min 0.08ppb m

response 227

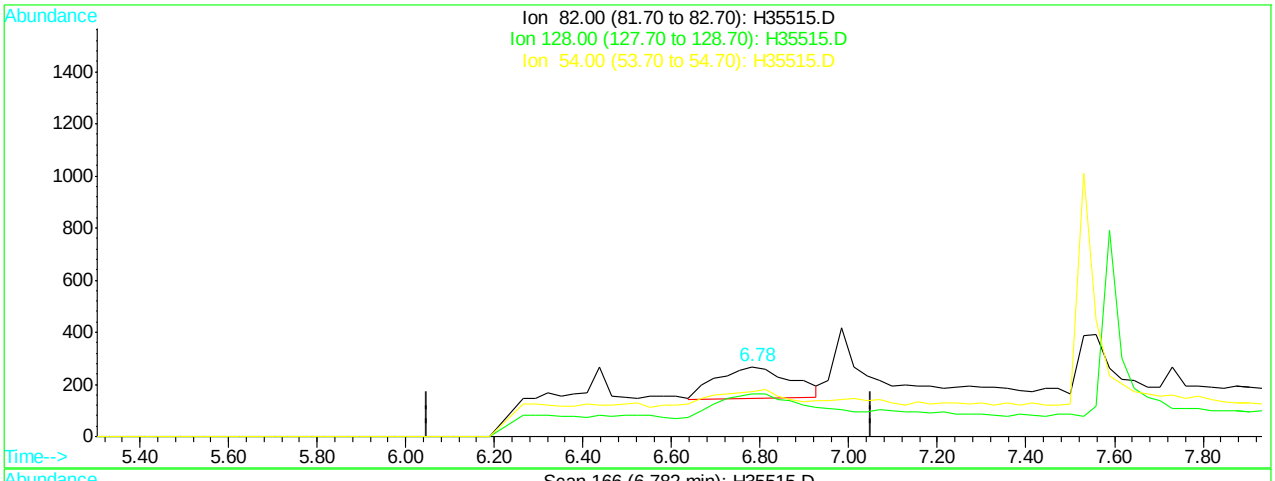
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	63.39#
125.00	0.00	0.00
0.00	0.00	0.00

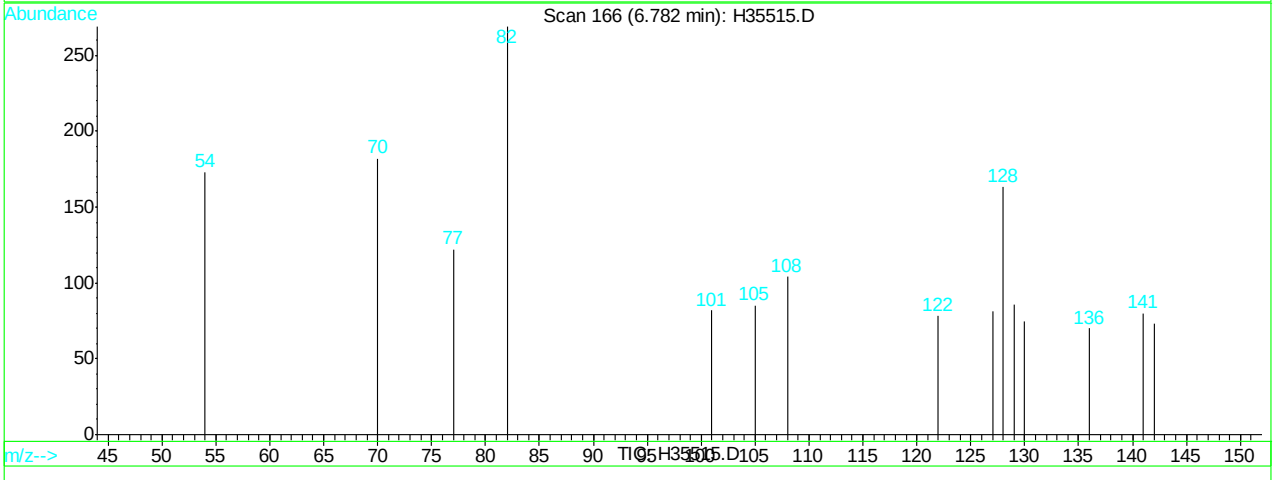
H35515.D H10229SP.M Thu Oct 22 13:29:56 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35515.D Vial: 4
Acq On : 21 Oct 2009 12:01 pm Operator: sheilac
Sample : ic1918-0.1 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:47 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.78min 0.24ppb m

response 1453

Ion	Exp%	Act%
82.00	100	100
128.00	13.90	60.59#
54.00	49.20	64.31#
0.00	0.00	0.00

H35515.D H10229SP.M Thu Oct 22 13:30:42 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	75841	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	71073	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	52298	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	78407	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	34140	4.00	ppb	0.02
26) Perylene-d12	16.35	264	8494	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.70	82	1514m	0.26	ppb	0.15
Spiked Amount 5.000	Range 17 - 131		Recovery	=	5.20%#	
10) 2-Fluorobiphenyl	8.90	172	26852	0.85	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	17.00%	
16) 2,4,6-Tribromophenol	10.44	330	4573	1.13	ppb	0.03
Spiked Amount 10.000	Range 10 - 123		Recovery	=	11.30%	
23) Terphenyl-d14	12.68	244	5789	1.35	ppb	0.01
Spiked Amount 5.000	Range 10 - 160		Recovery	=	27.00%	

Target Compounds

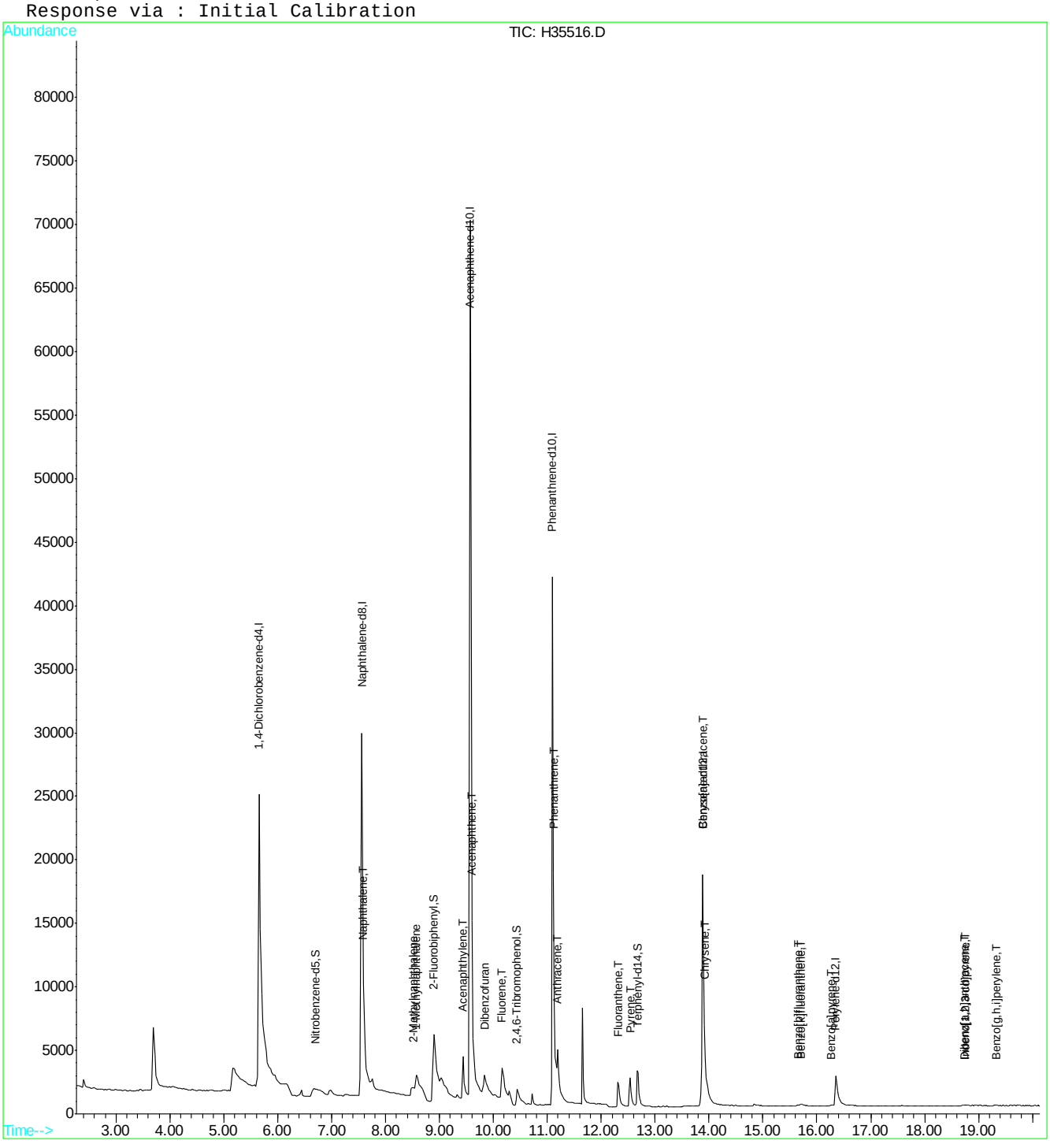
							Qvalue
6) Naphthalene	7.59	128	4091	0.14	ppb		97
7) 2-Methylnaphthalene	8.51	142	1629m	0.07	ppb		
8) 1-Methylnaphthalene	8.57	142	3687m	0.10	ppb		
11) Acenaphthylene	9.44	152	6142	0.15	ppb		93
12) Acenaphthene	9.60	153	5085	0.16	ppb	#	71
13) Dibenzofuran	9.84	168	5578	0.21	ppb		97
14) Fluorene	10.16	166	3269	0.17	ppb		75
18) Phenanthrene	11.11	178	6332m	0.15	ppb		
19) Anthracene	11.19	178	7532	0.17	ppb		97
20) Fluoranthene	12.31	202	5471m	0.13	ppb		
22) Pyrene	12.54	202	6060	0.31	ppb		95
24) Benzo[a]anthracene	13.88	228	1640	0.13	ppb		90
25) Chrysene	13.92	228	2257m	0.18	ppb		
27) Benzo[b]fluoranthene	15.66	252	266m	0.08	ppb		
28) Benzo[k]fluoranthene	15.71	252	639m	0.14	ppb		
29) Benzo[a]pyrene	16.26	252	256	0.09	ppb		88
30) Indeno[1,2,3-cd]pyrene	18.75	276	228	0.24	ppb	#	77
31) Dibenz[a,h]anthracene	18.74	278	78	0.13	ppb	#	69
32) Benzo[g,h,i]perylene	19.32	276	181	0.27	ppb	#	81

(#) = qualifier out of range (m) = manual integration
H35516.D H10229SP.M Thu Oct 22 13:30:03 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: H10219SP.RES

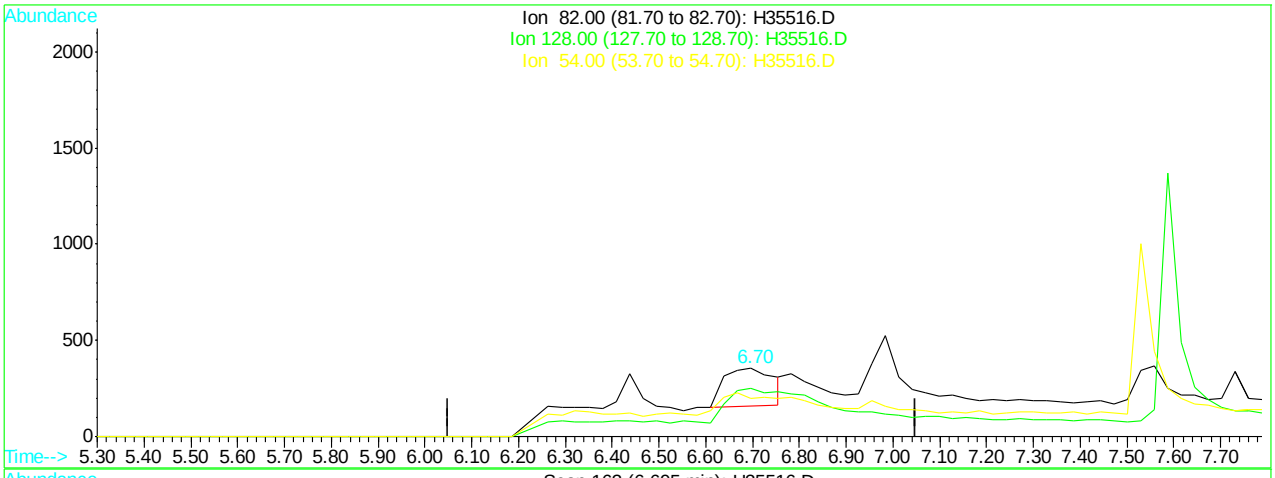
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

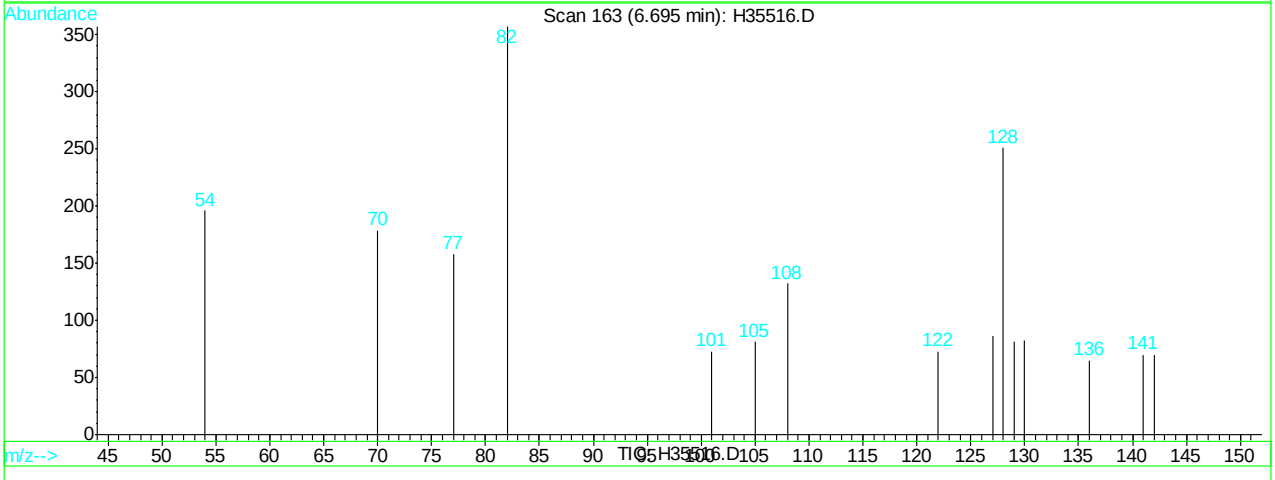


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(5) Nitrobenzene-d5 (S)

6.70min 0.26ppb m

response 1514

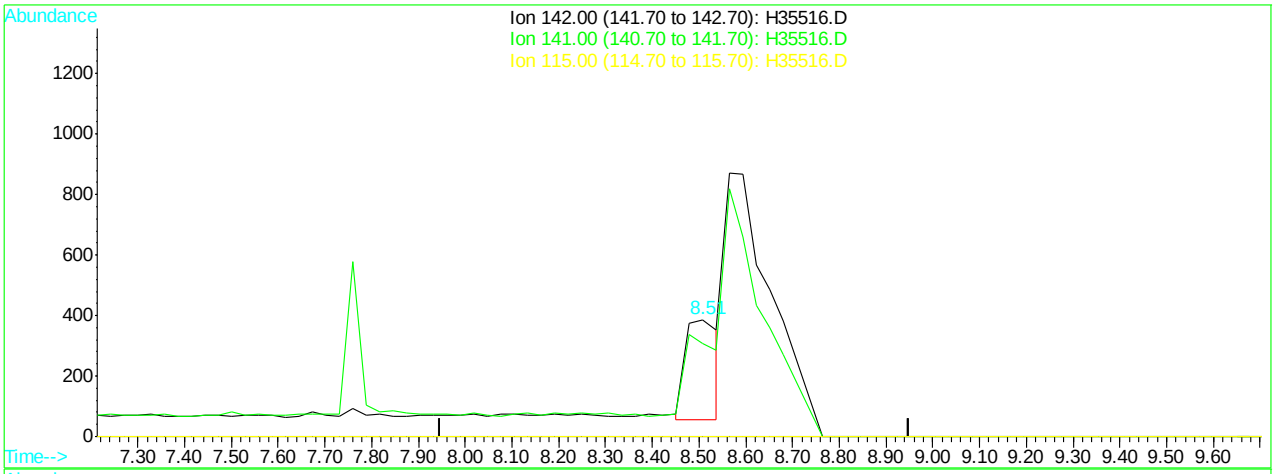
Ion	Exp%	Act%
82.00	100	100
128.00	13.90	70.31#
54.00	49.20	54.90
0.00	0.00	0.00

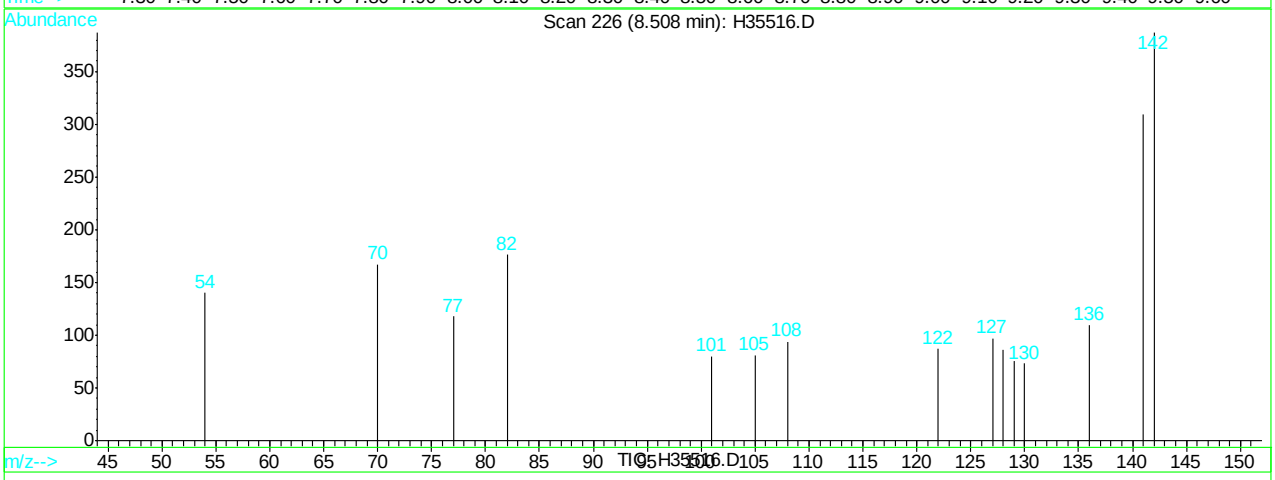
H35516.D H10229SP.M Thu Oct 22 13:30:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.51min 0.07ppb m

response 1629

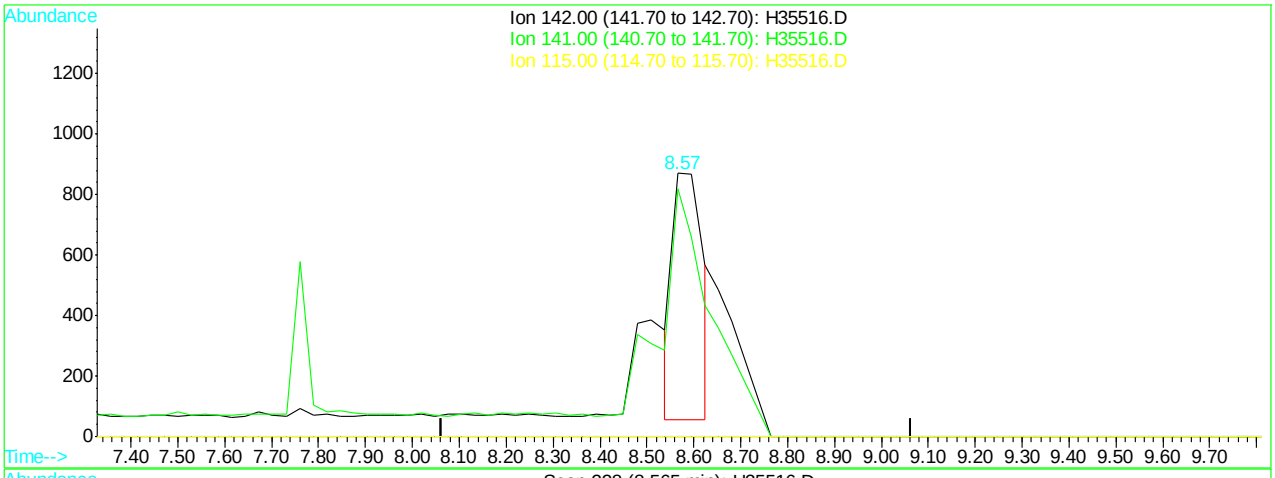
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	442.79#
115.00	0.00	0.00
0.00	0.00	0.00

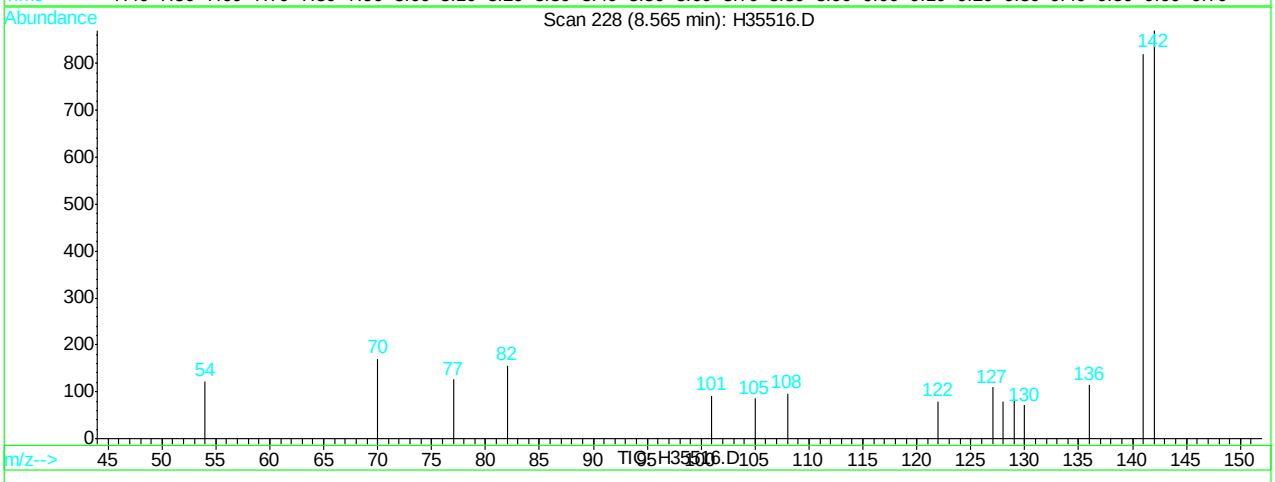
H35516.D H10229SP.M Thu Oct 22 13:31:00 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.57min 0.10ppb m

response 3687

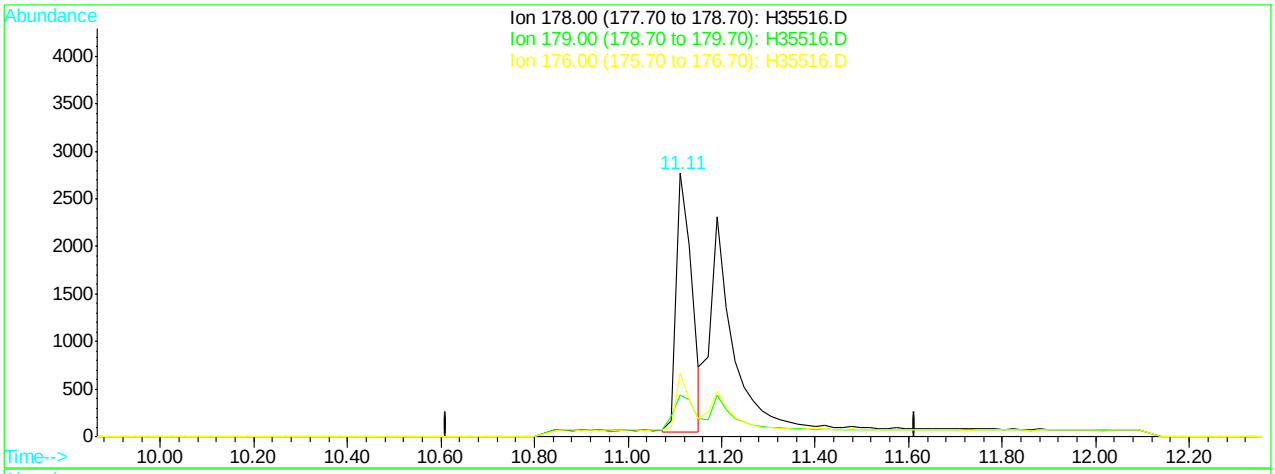
Ion	Exp%	Act%
142.00	100	100
141.00	81.20	195.63#
115.00	0.00	0.00
0.00	0.00	0.00

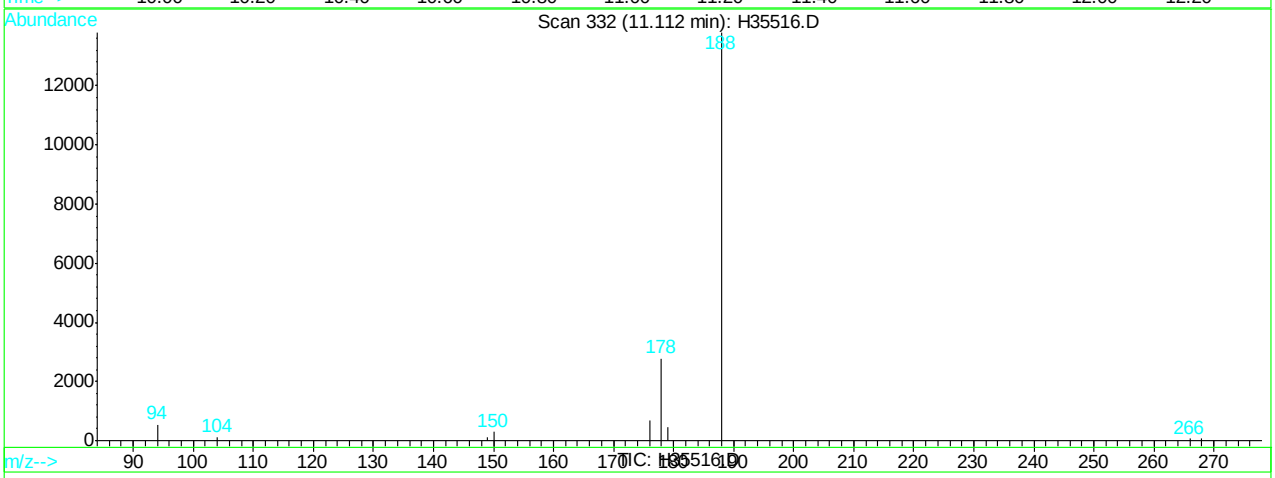
H35516.D H10229SP.M Thu Oct 22 13:31:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 0.15ppb m

response 6332

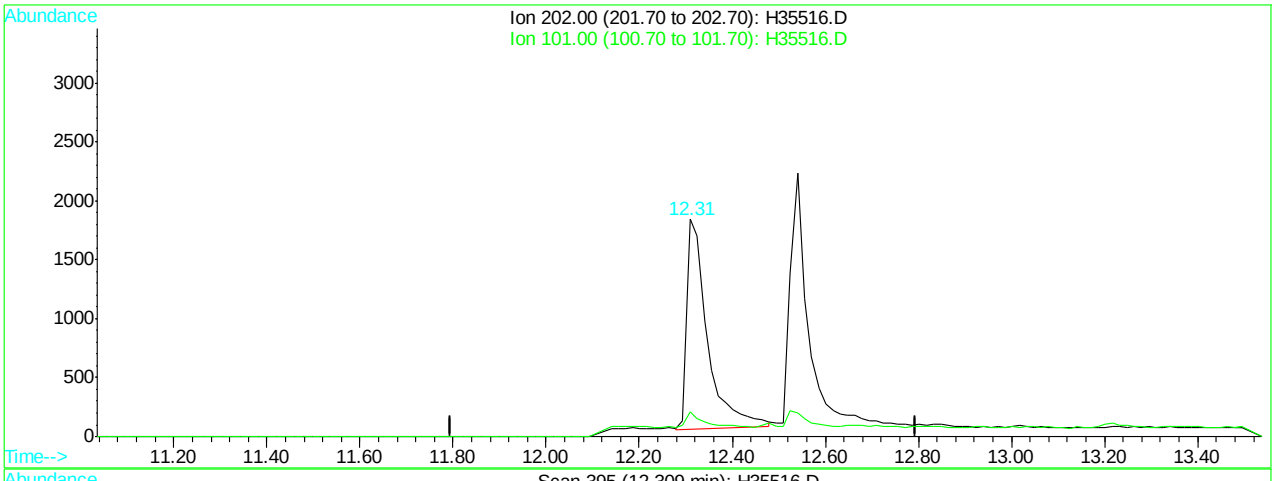
Ion	Exp%	Act%
178.00	100	100
179.00	17.80	15.81
176.00	17.10	24.40#
0.00	0.00	0.00

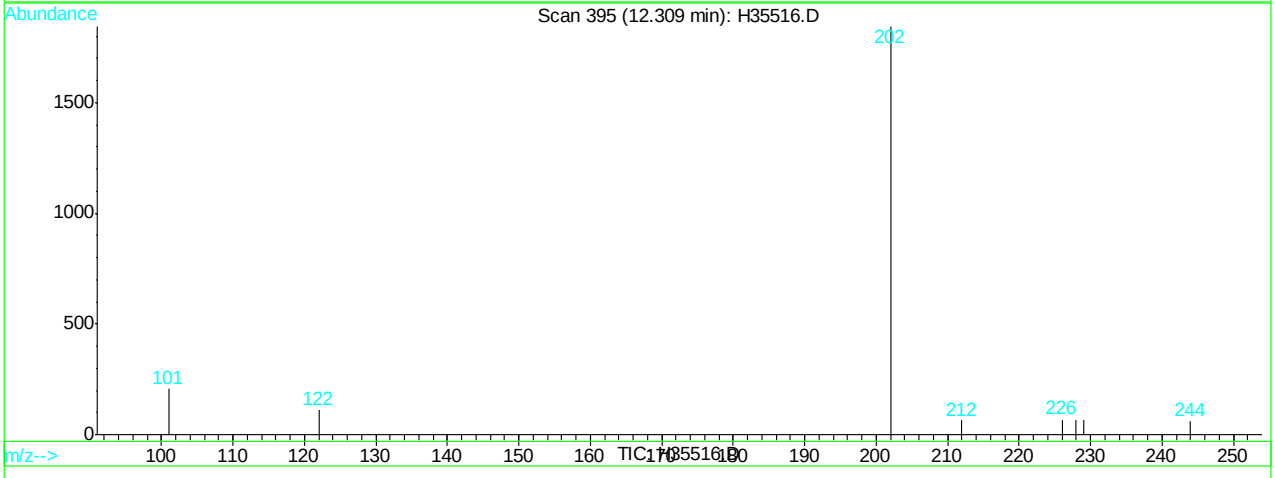
H35516.D H10229SP.M Thu Oct 22 13:31:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(20) Fluoranthene (T)

12.31min 0.13ppb m

response 5471

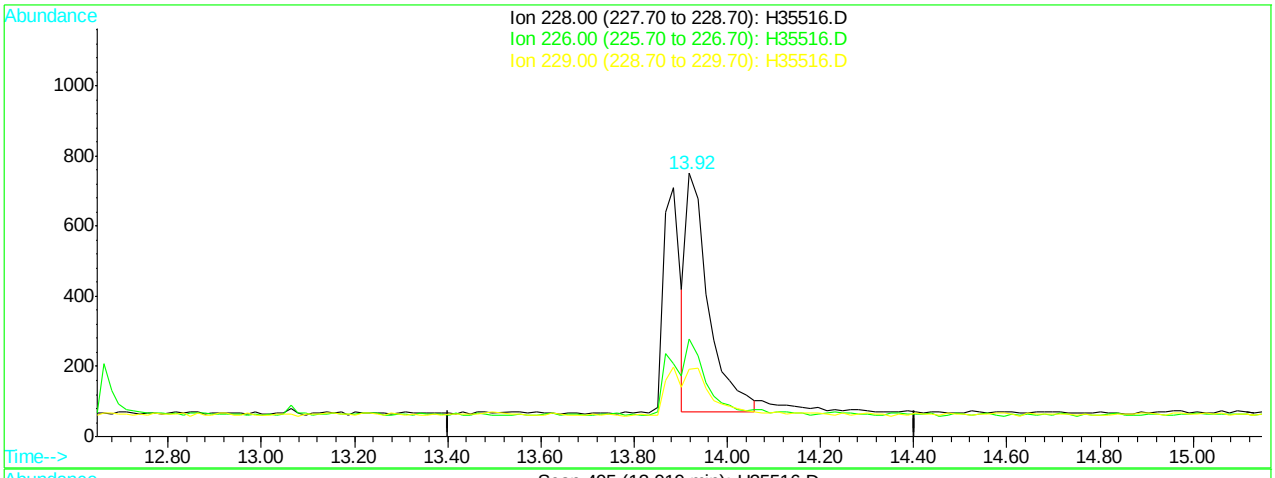
Ion	Exp%	Act%
202.00	100	100
101.00	4.10	11.18#
0.00	0.00	0.00
0.00	0.00	0.00

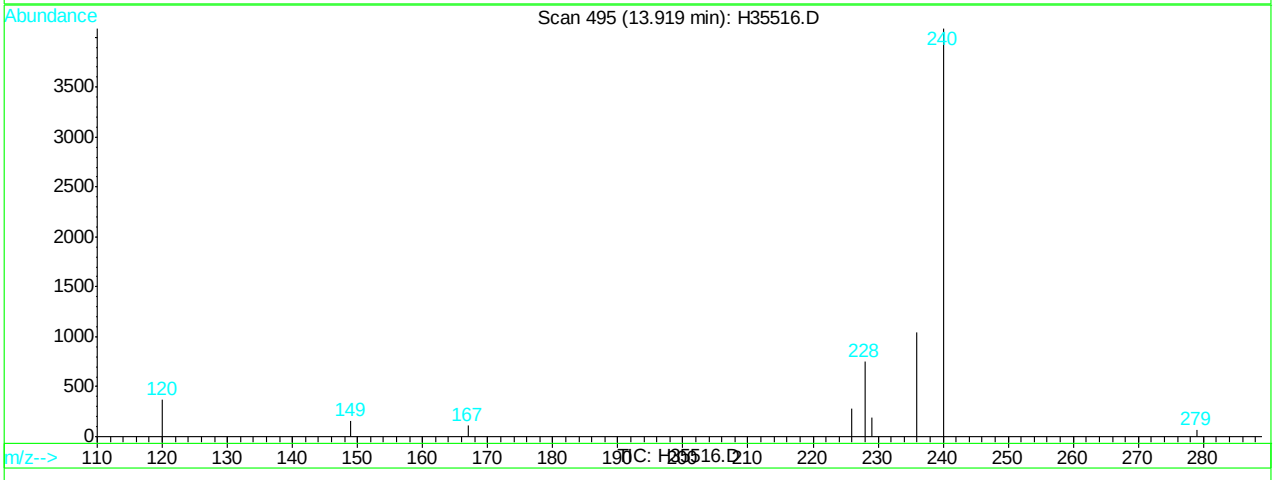
H35516.D H10229SP.M Thu Oct 22 13:31:14 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 0.18ppb m

response 2257

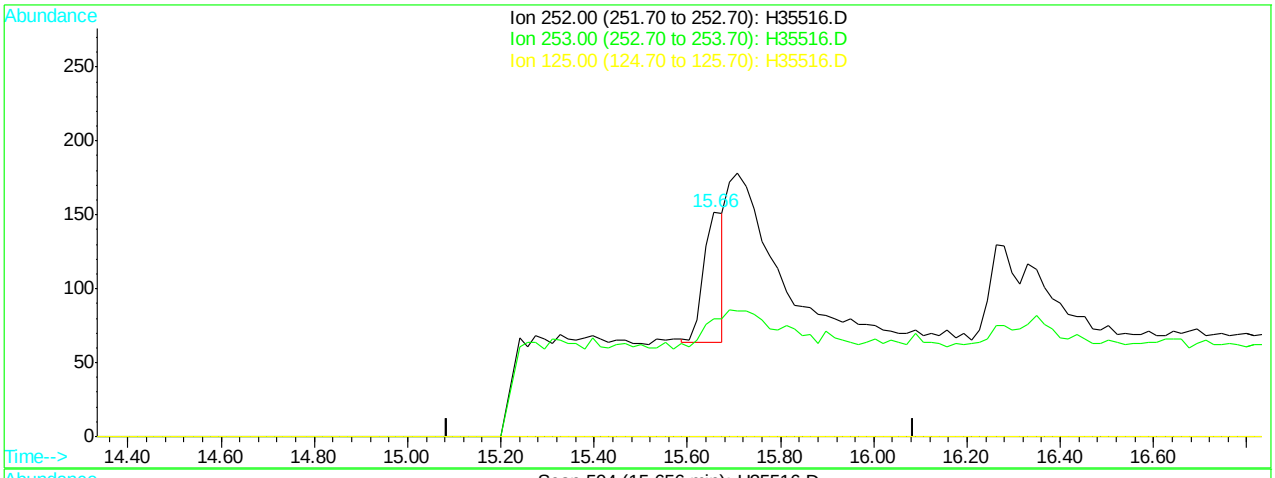
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	36.88
229.00	19.10	25.70#
0.00	0.00	0.00

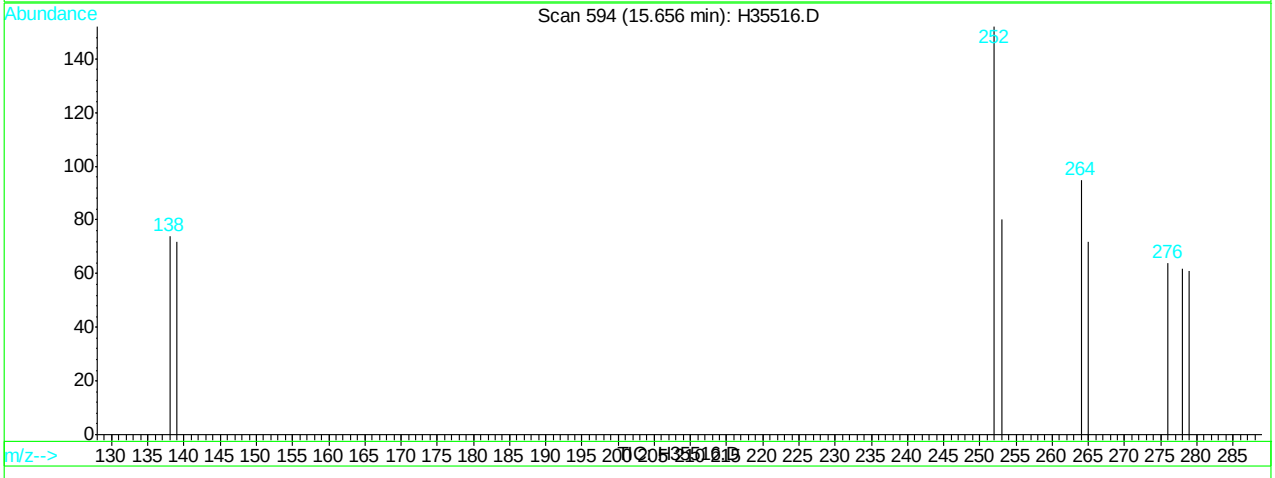
H35516.D H10229SP.M Thu Oct 22 13:31:18 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 0.08ppb m

response 266

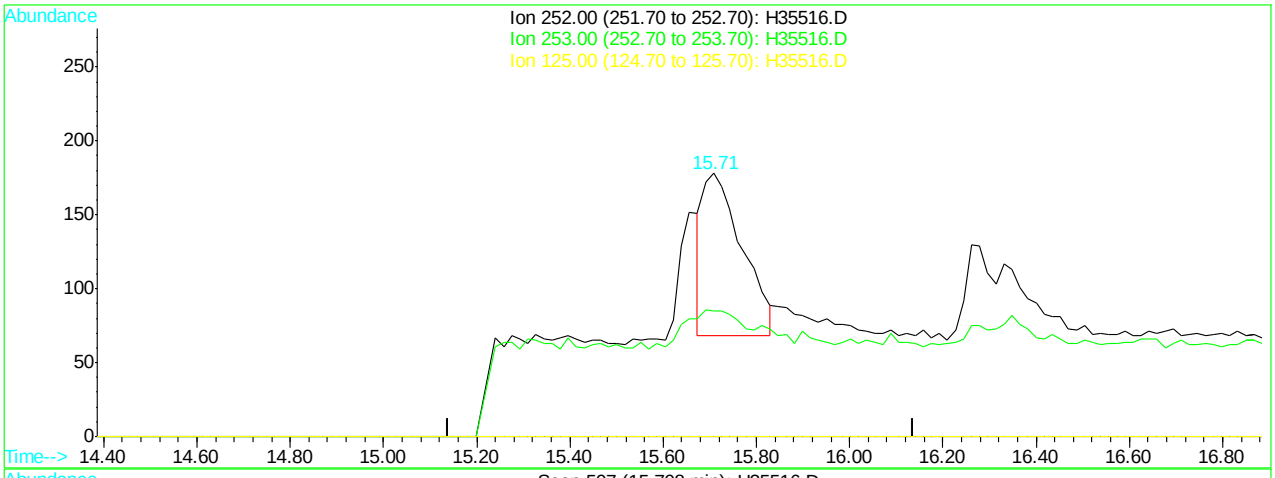
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	52.63#
125.00	0.00	0.00
0.00	0.00	0.00

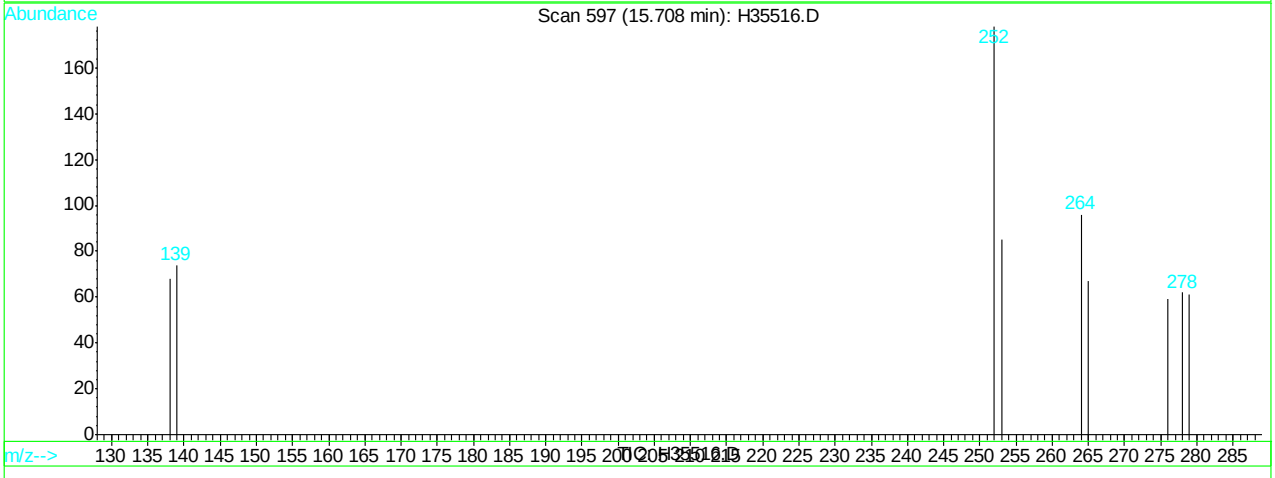
H35516.D H10229SP.M Thu Oct 22 13:31:21 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35516.D Vial: 5
Acq On : 21 Oct 2009 12:32 pm Operator: sheilac
Sample : ic1918-0.2 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:49 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.71min 0.14ppb m

response 639

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	47.75#
125.00	0.00	0.00
0.00	0.00	0.00

H35516.D H10229SP.M Thu Oct 22 13:31:24 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:58:34 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	81505	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	77465	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	55979	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	87324	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	48767	4.00	ppb	0.00
26) Perylene-d12	16.35	264	9936	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	108252	26.65	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 533.00%#			
10) 2-Fluorobiphenyl	8.87	172	1218319	27.16	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 543.20%#			
16) 2,4,6-Tribromophenol	10.40	330	173687	50.66	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 506.60%#			
23) Terphenyl-d14	12.66	244	253428	27.37	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 547.40%#			

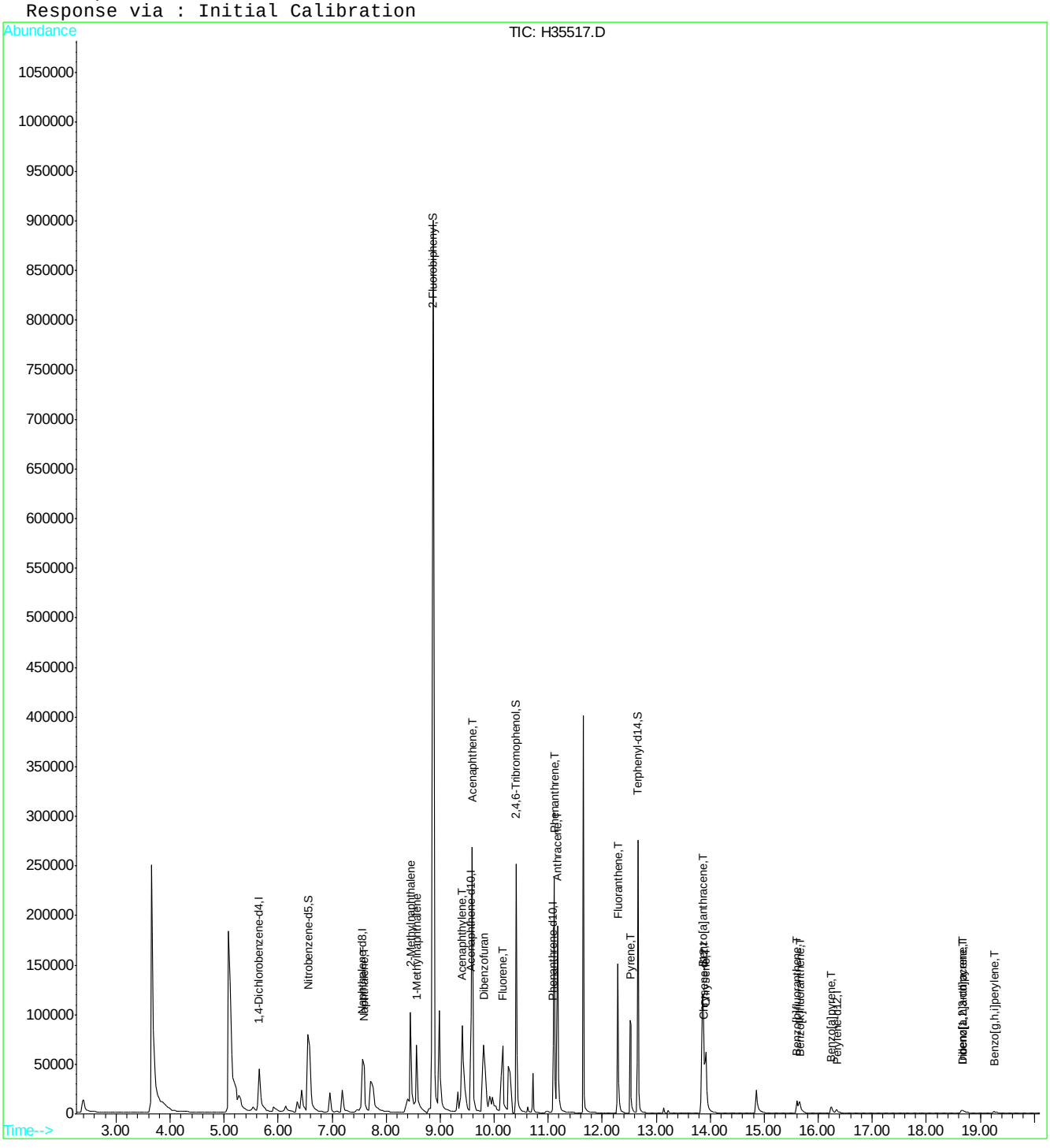
Target Compounds							Qvalue
6) Naphthalene	7.59	128	75148	4.76	ppb		96
7) 2-Methylnaphthalene	8.45	142	135625m	5.03	ppb		
8) 1-Methylnaphthalene	8.57	142	113677	4.76	ppb	#	94
11) Acenaphthylene	9.41	152	147243	4.68	ppb		95
12) Acenaphthene	9.60	153	178251	5.57	ppb		85
13) Dibenzofuran	9.81	168	111394	5.16	ppb		92
14) Fluorene	10.16	166	67068	4.58	ppb		96
18) Phenanthrene	11.11	178	221619	5.28	ppb		99
19) Anthracene	11.17	178	208251	4.79	ppb		97
20) Fluoranthene	12.29	202	186829	5.02	ppb		98
22) Pyrene	12.53	202	182971	4.88	ppb	#	80
24) Benzo[a]anthracene	13.87	228	84512	5.34	ppb		99
25) Chrysene	13.92	228	96836m	4.95	ppb		
27) Benzo[b]fluoranthene	15.60	252	21755	4.85	ppb		98
28) Benzo[k]fluoranthene	15.66	252	36201m	5.13	ppb		
29) Benzo[a]pyrene	16.25	252	20844	5.07	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.67	276	8450	5.01	ppb		91
31) Dibenz[a,h]anthracene	18.67	278	5815	5.11	ppb		91
32) Benzo[g,h,i]perylene	19.26	276	6988	5.09	ppb		98

(#) = qualifier out of range (m) = manual integration
H35517.D H10229SP.M Thu Oct 22 13:31:35 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: H10219SP.RES

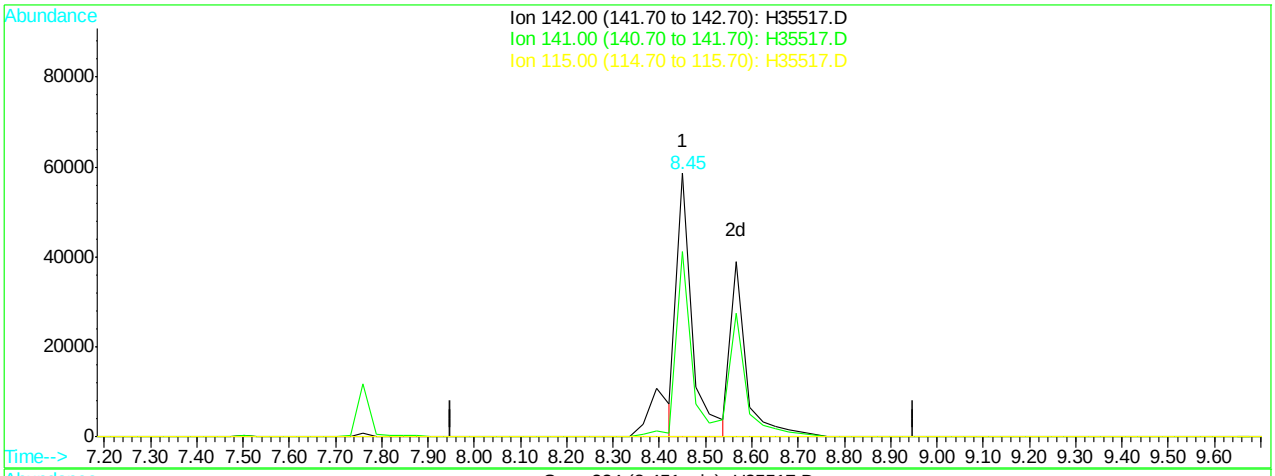
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

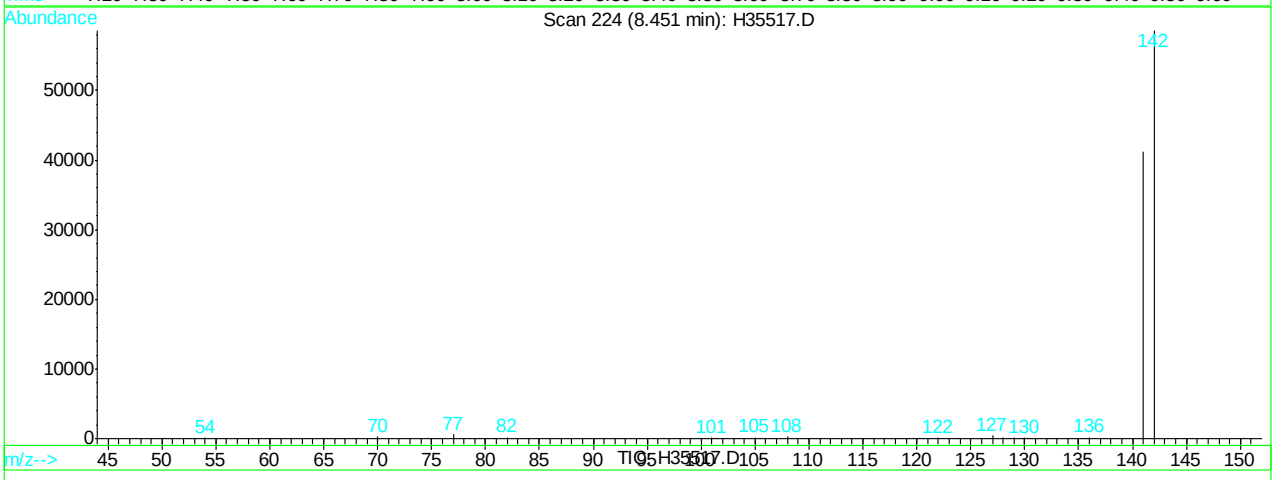


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 5.03ppb m

response 135625

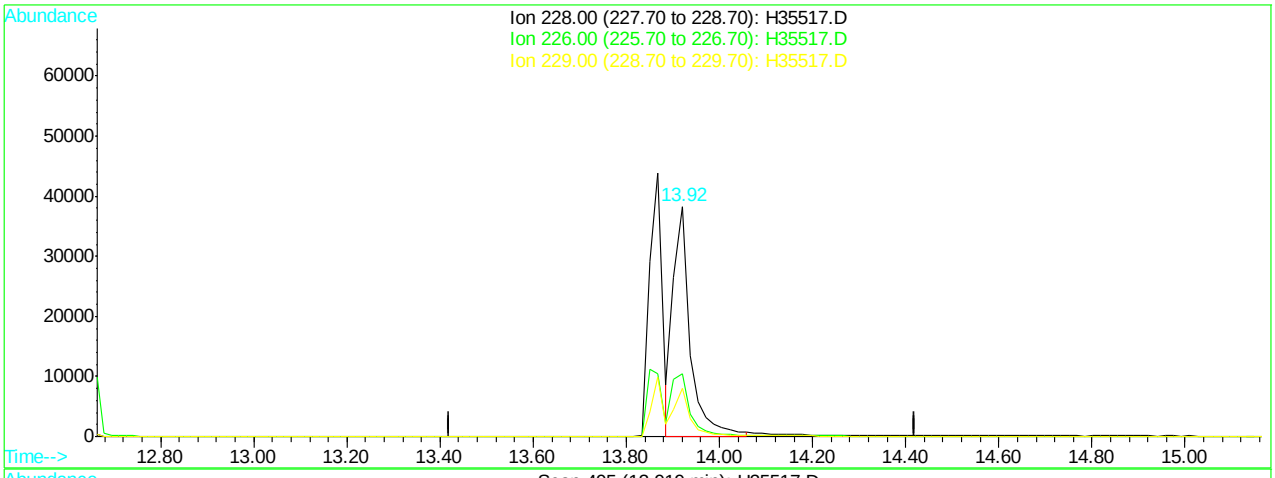
Ion	Exp%	Act%
142.00	100	100
141.00	72.40	68.23
115.00	0.00	0.00
0.00	0.00	0.00

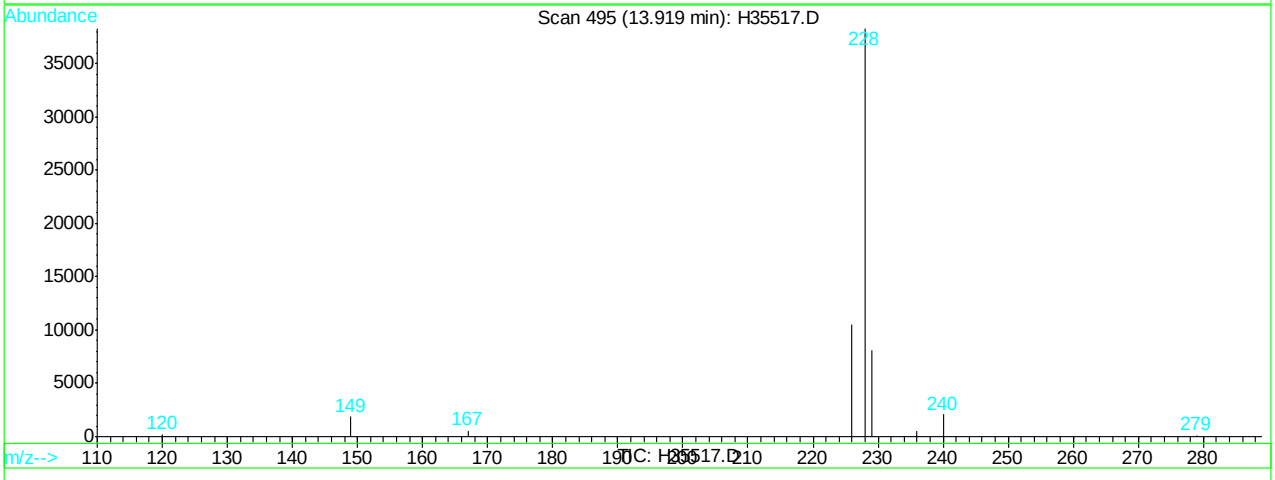
H35517.D H10229SP.M Thu Oct 22 13:38:28 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 4.95ppb m

response 96836

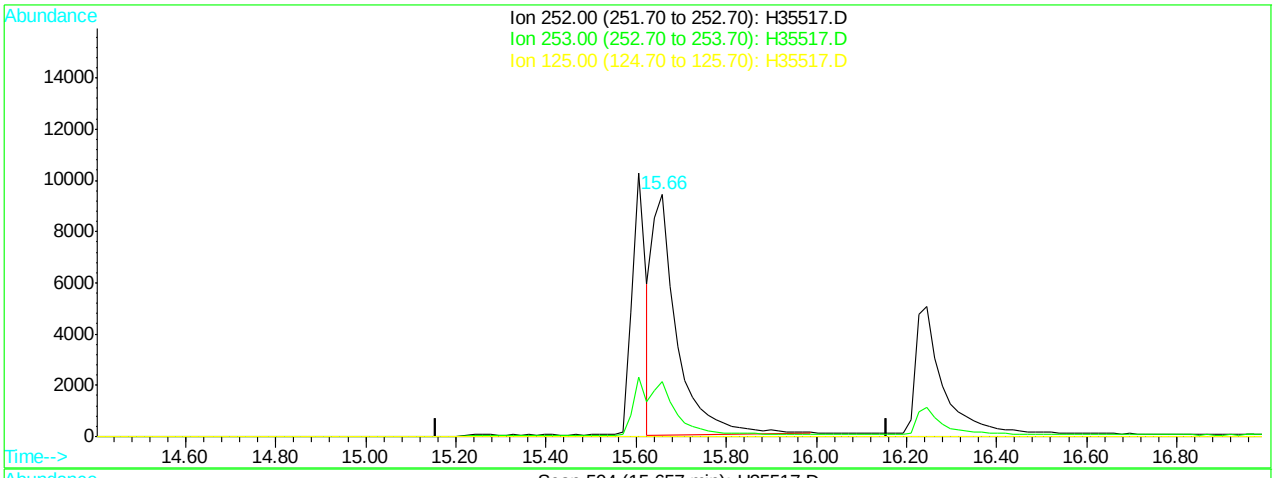
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	27.54
229.00	20.90	21.06
0.00	0.00	0.00

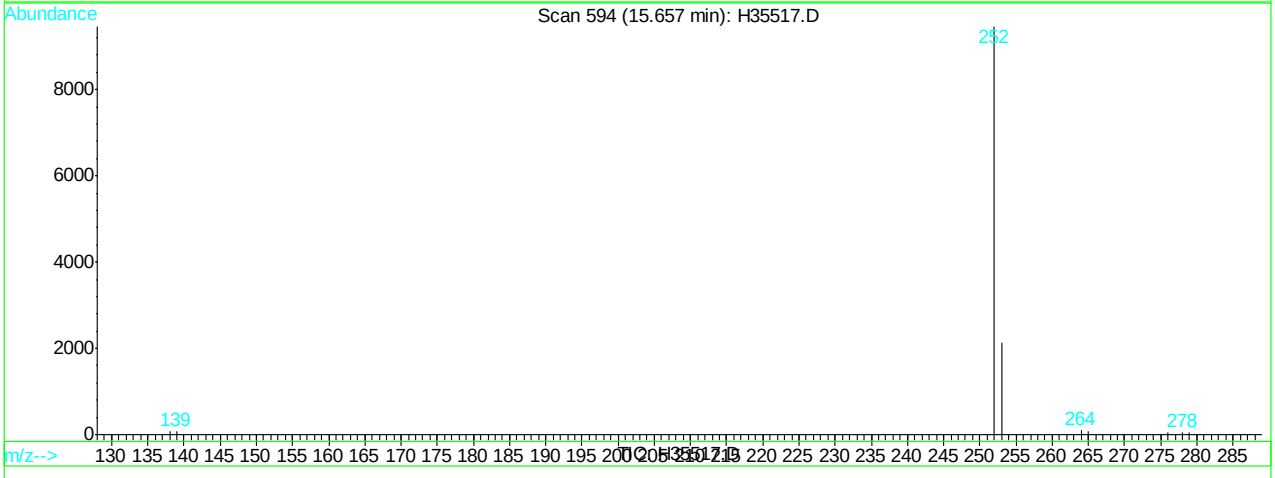
H35517.D H10229SP.M Thu Oct 22 13:38:33 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35517.D Vial: 6
Acq On : 21 Oct 2009 12:58 pm Operator: sheilac
Sample : ic1918-5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 5.13ppb m

response 36201

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.65
125.00	0.00	0.00
0.00	0.00	0.00

H35517.D H10229SP.M Thu Oct 22 13:38:37 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 13:13:22 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	78182	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	84220	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	48510	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	90103	4.00	ppb	0.00
21) Chrysene-d12	13.88	240	53189	4.00	ppb	0.02
26) Perylene-d12	16.35	264	9406	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.55	82	153715	22.50	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 450.00%#			
10) 2-Fluorobiphenyl	8.87	172	1799205	61.44	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 1228.80%#			
16) 2,4,6-Tribromophenol	10.40	330	318909	68.27	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 682.70%#			
23) Terphenyl-d14	12.66	244	432444	64.72	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 1294.40%#			

Target Compounds

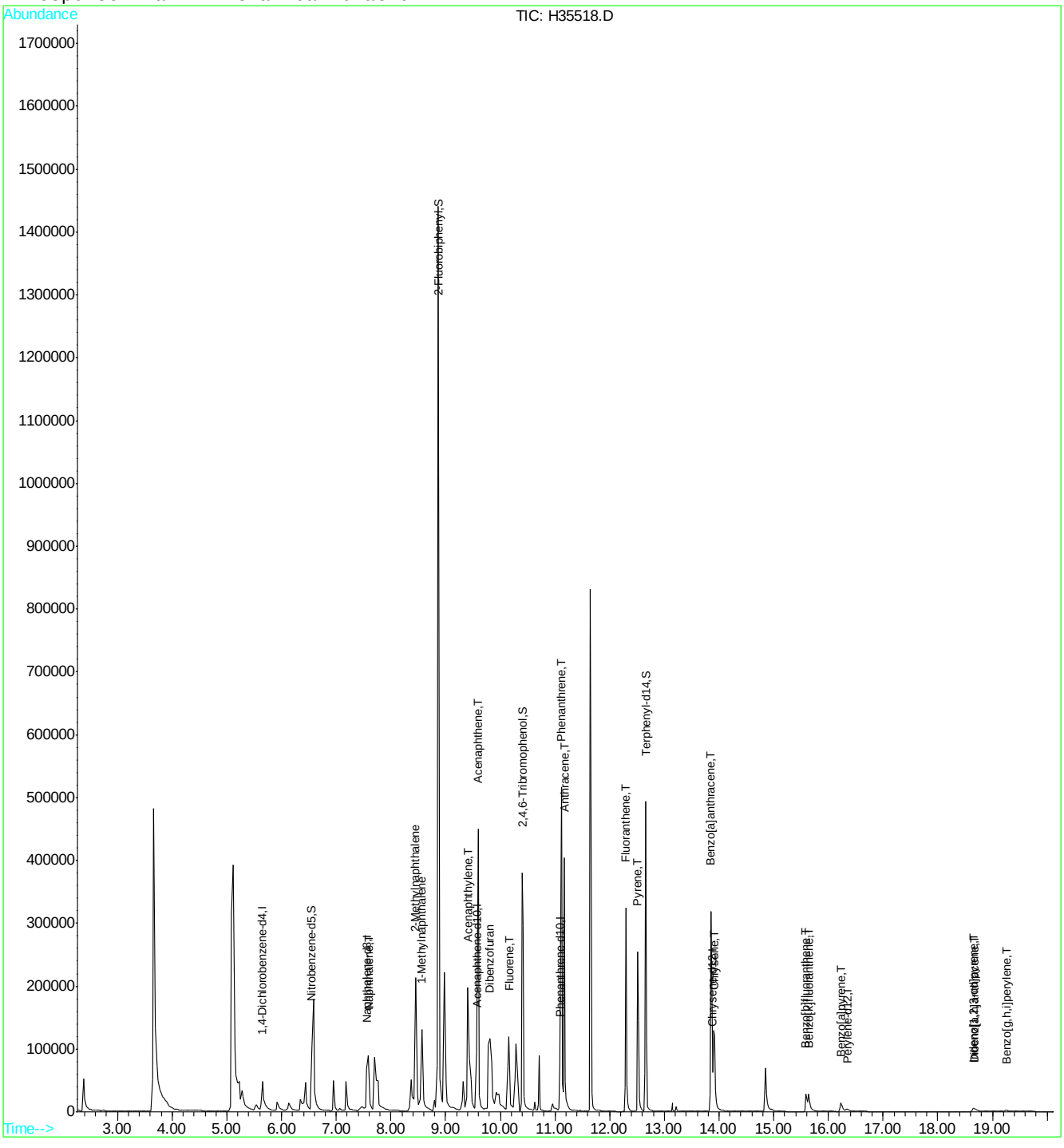
							Qvalue
6) Naphthalene	7.59	128	138853	4.05	ppb		95
7) 2-Methylnaphthalene	8.45	142	252724m	8.72	ppb		
8) 1-Methylnaphthalene	8.57	142	202207	4.80	ppb	#	95
11) Acenaphthylene	9.41	152	300947	7.93	ppb		88
12) Acenaphthene	9.60	153	295655	10.22	ppb	#	64
13) Dibenzofuran	9.81	168	186676	7.63	ppb	#	41
14) Fluorene	10.16	166	118966	6.54	ppb	#	40
18) Phenanthrene	11.11	178	469805	9.67	ppb		93
19) Anthracene	11.17	178	407079	7.94	ppb		99
20) Fluoranthene	12.29	202	377868	7.76	ppb		99
22) Pyrene	12.51	202	377010	12.51	ppb	#	94
24) Benzo[a]anthracene	13.85	228	198853	10.23	ppb		87
25) Chrysene	13.92	228	207372	10.72	ppb		93
27) Benzo[b]fluoranthene	15.59	252	56431	15.38	ppb		97
28) Benzo[k]fluoranthene	15.64	252	60937m	12.05	ppb		
29) Benzo[a]pyrene	16.23	252	40464	13.33	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.65	276	14816	14.37	ppb		94
31) Dibenz[a,h]anthracene	18.67	278	10339	16.13	ppb		95
32) Benzo[g,h,i]perylene	19.26	276	11094	14.89	ppb		98

(#) = qualifier out of range (m) = manual integration
H35518.D H10229SP.M Thu Oct 22 13:38:43 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: H10219SP.RES

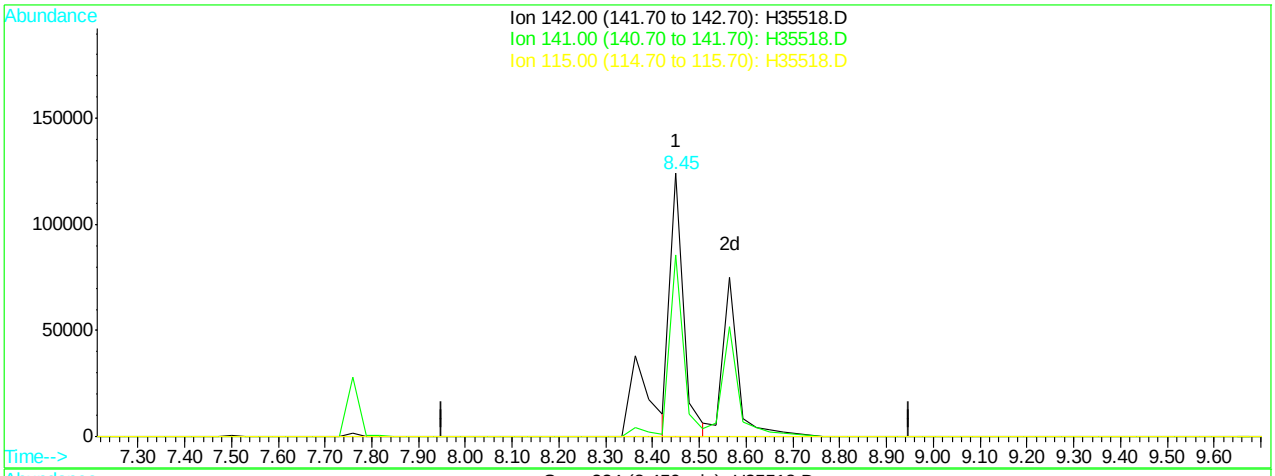
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

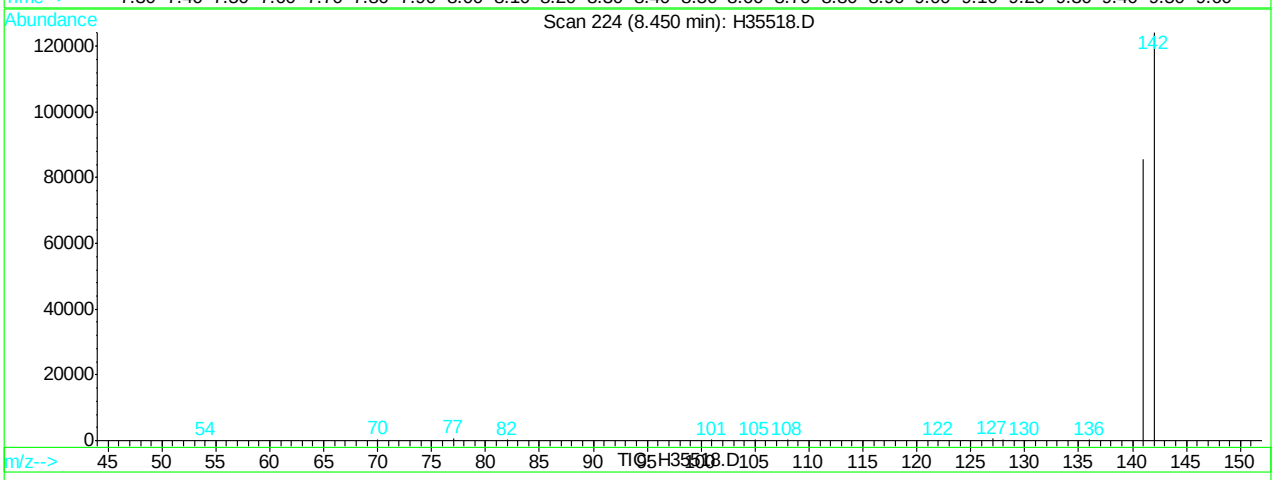


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.45min 8.72ppb m

response 252724

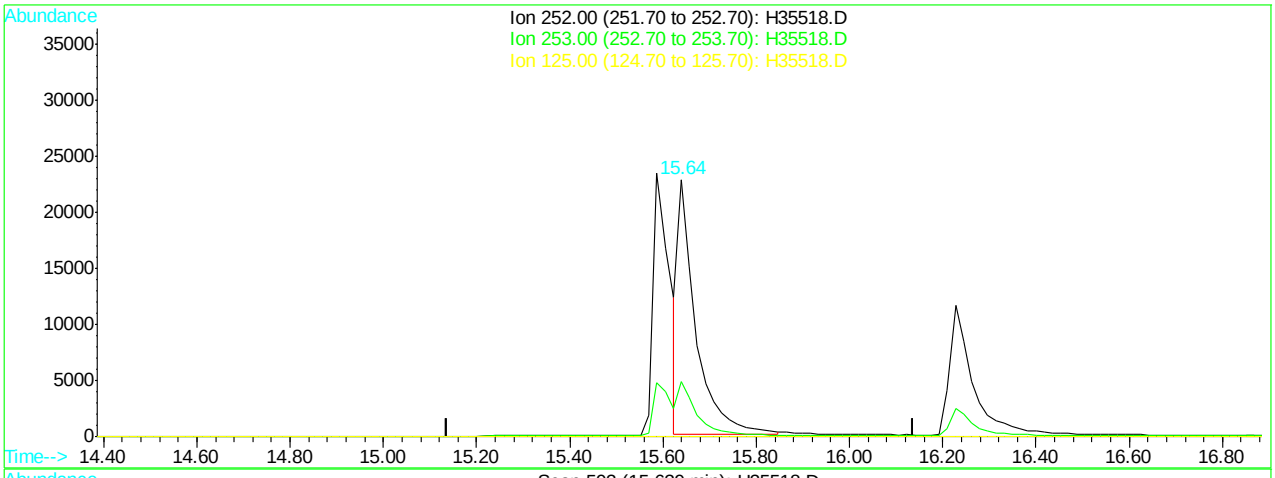
Ion	Exp%	Act%
142.00	100	100
141.00	71.00	72.90
115.00	0.00	0.00
0.00	0.00	0.00

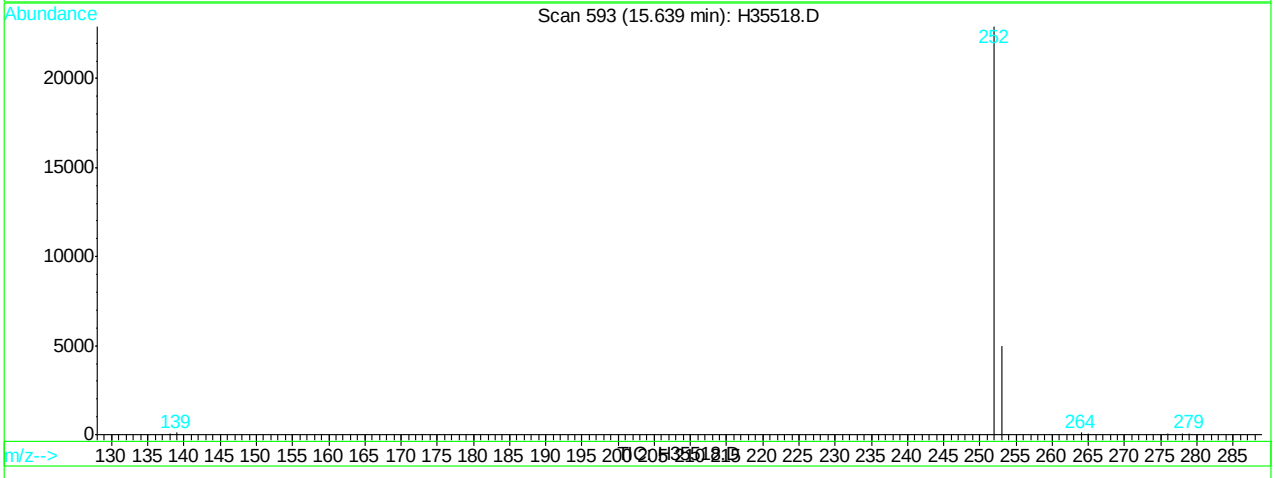
H35518.D H10229SP.M Thu Oct 22 13:38:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35518.D Vial: 7
Acq On : 21 Oct 2009 1:29 pm Operator: sheilac
Sample : ic1918-10 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 13:50 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.64min 12.05ppb m

response 60937

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	21.59
125.00	0.00	0.00
0.00	0.00	0.00

H35518.D H10229SP.M Thu Oct 22 13:39:03 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/23/09 13:48

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: H10219SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10219SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Wed Oct 21 14:43:08 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.65	152	113916	4.00	ppb	0.00
4) Naphthalene-d8	7.56	136	130932	4.00	ppb	0.00
9) Acenaphthene-d10	9.57	164	63895	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	99758	4.00	ppb	0.00
21) Chrysene-d12	13.89	240	54593	4.00	ppb	0.00
26) Perylene-d12	16.35	264	11936	4.00	ppb	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#	
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#	
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb	
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#	
23) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#	

Target Compounds

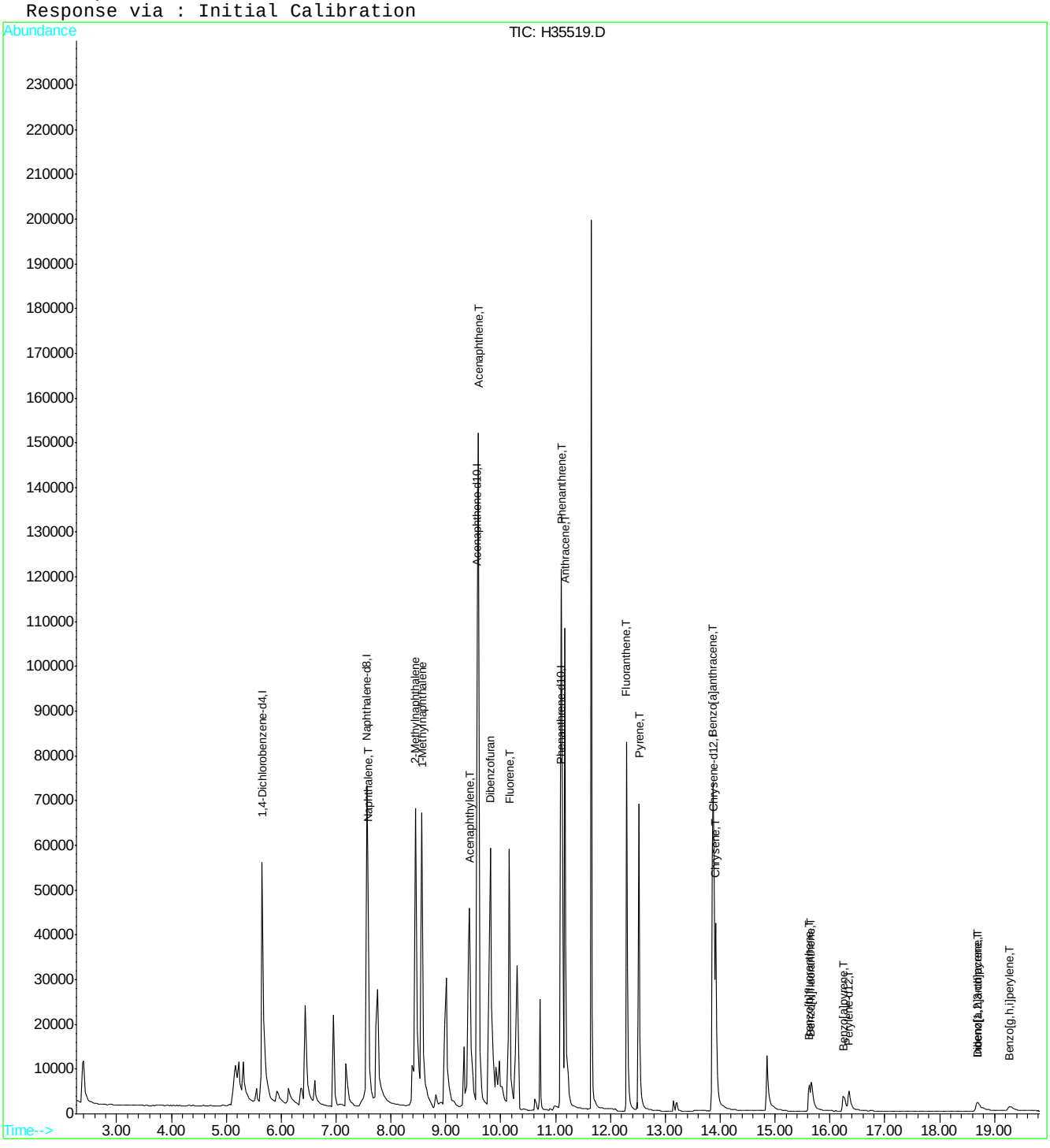
							Qvalue
6) Naphthalene	7.59	128	73488	2.49	ppb		97
7) 2-Methylnaphthalene	8.45	142	114102	2.40	ppb	#	87
8) 1-Methylnaphthalene	8.56	142	109437	2.43	ppb	#	98
11) Acenaphthylene	9.43	152	85416	2.38	ppb	#	79
12) Acenaphthene	9.60	153	100158	2.74	ppb		81
13) Dibenzofuran	9.81	168	89641	2.99	ppb		95
14) Fluorene	10.16	166	51473	3.08	ppb		98
18) Phenanthrene	11.11	178	118291	2.47	ppb		92
19) Anthracene	11.17	178	139346	2.80	ppb		94
20) Fluoranthene	12.29	202	117108	2.75	ppb		98
22) Pyrene	12.53	202	111359	2.53	ppb	#	79
24) Benzo[a]anthracene	13.87	228	46953m	2.65	ppb		
25) Chrysene	13.92	228	58199m	2.67	ppb		
27) Benzo[b]fluoranthene	15.62	252	12842	2.76	ppb		98
28) Benzo[k]fluoranthene	15.66	252	21335m	2.42	ppb		
29) Benzo[a]pyrene	16.24	252	11657	2.46	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.68	276	5117	2.61	ppb		99
31) Dibenz[a,h]anthracene	18.68	278	3348	2.57	ppb		95
32) Benzo[g,h,i]perylene	19.27	276	4458	2.61	ppb		96

(#) = qualifier out of range (m) = manual integration
H35519.D H10229SP.M Thu Oct 22 13:39:09 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: H10219SP.RES

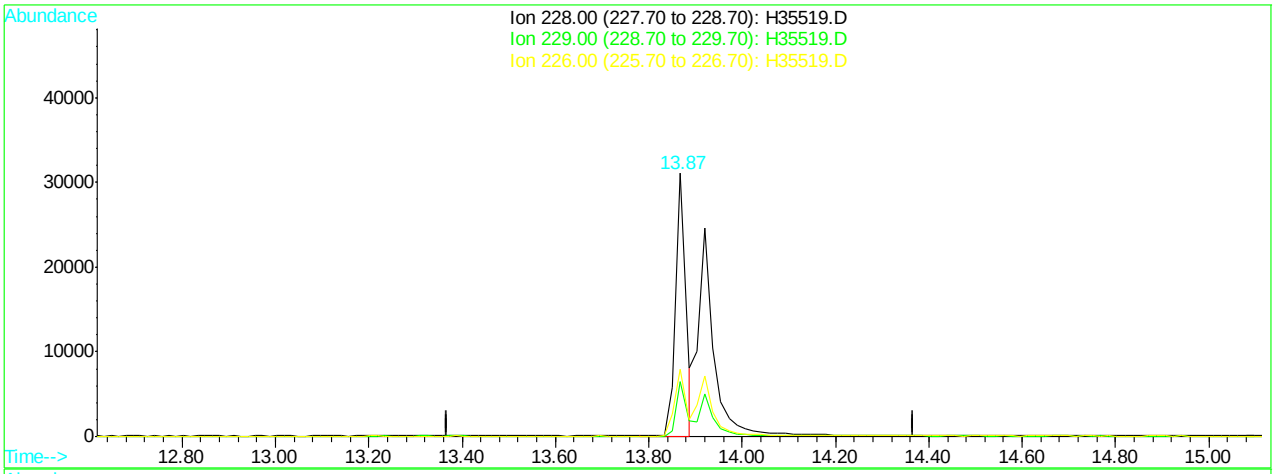
Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Initial Calibration

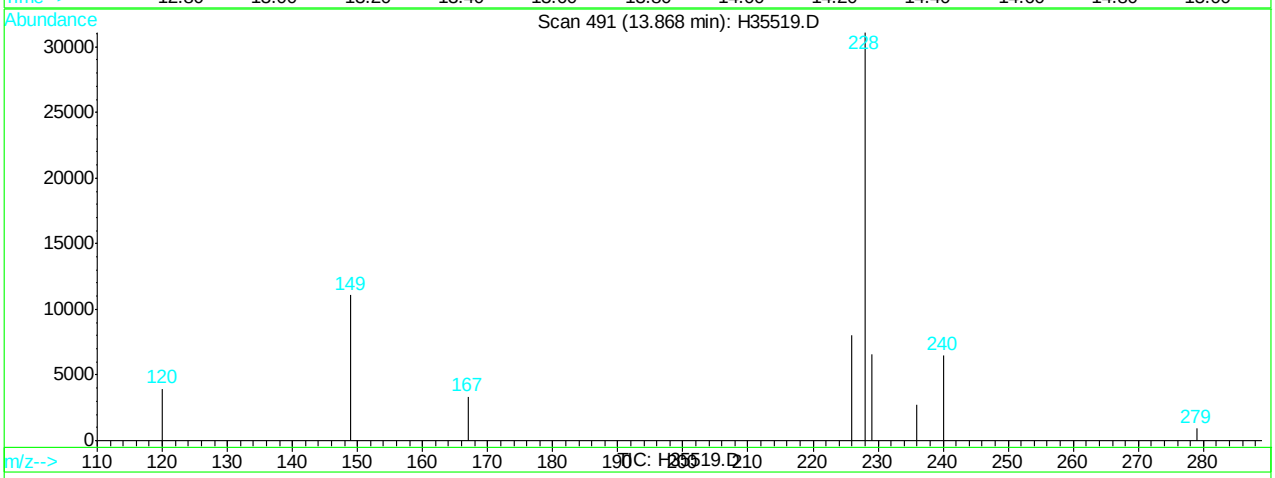


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.87min 2.65ppb m

response 46953

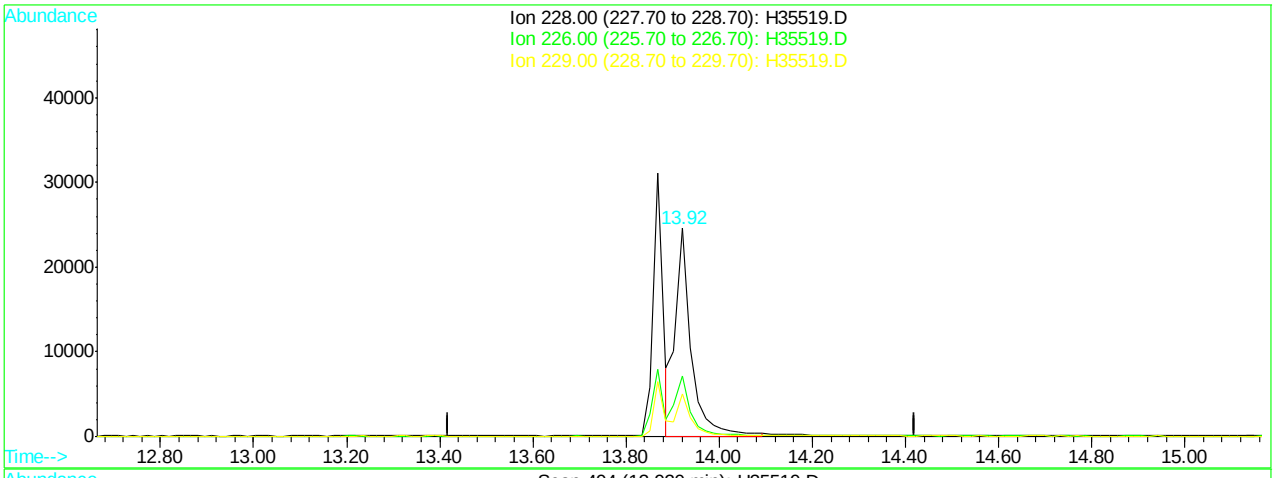
Ion	Exp%	Act%
228.00	100	100
229.00	21.80	21.09
226.00	23.70	25.70
0.00	0.00	0.00

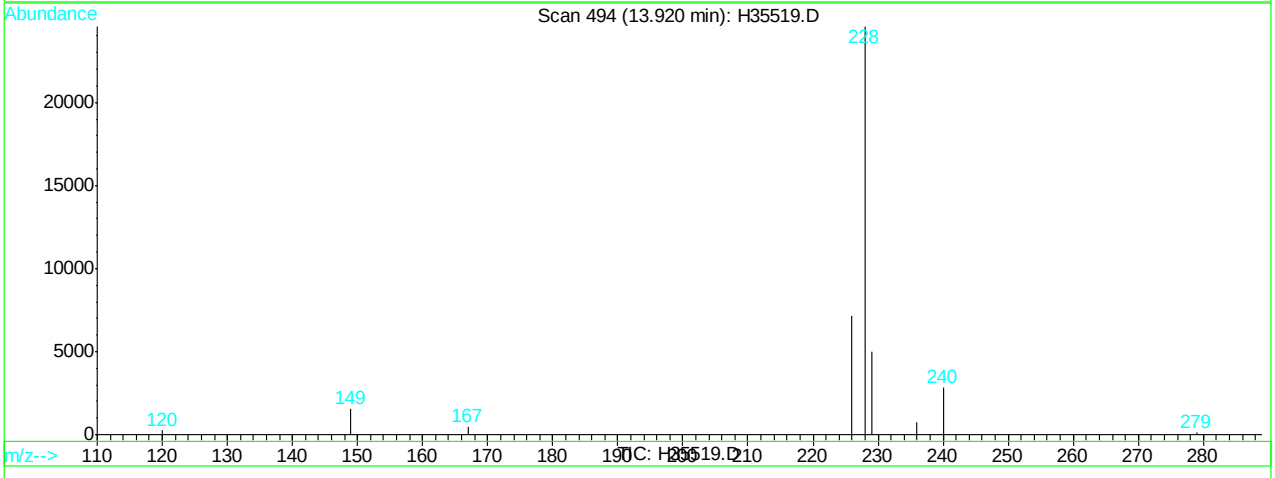
H35519.D H10229SP.M Thu Oct 22 13:39:31 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.92min 2.67ppb m

response 58199

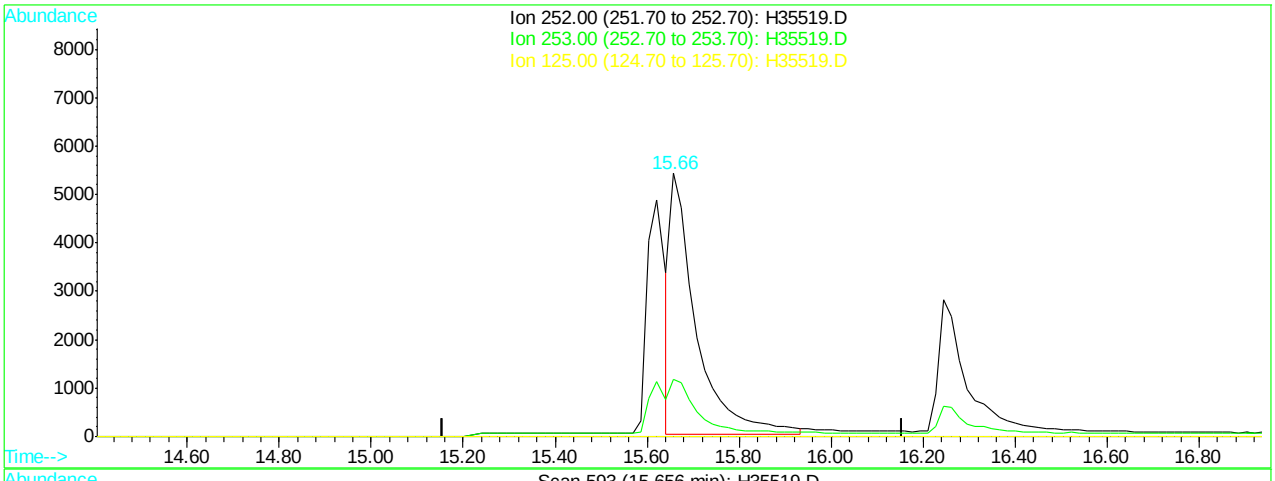
Ion	Exp%	Act%
228.00	100	100
226.00	28.00	28.99
229.00	20.90	20.32
0.00	0.00	0.00

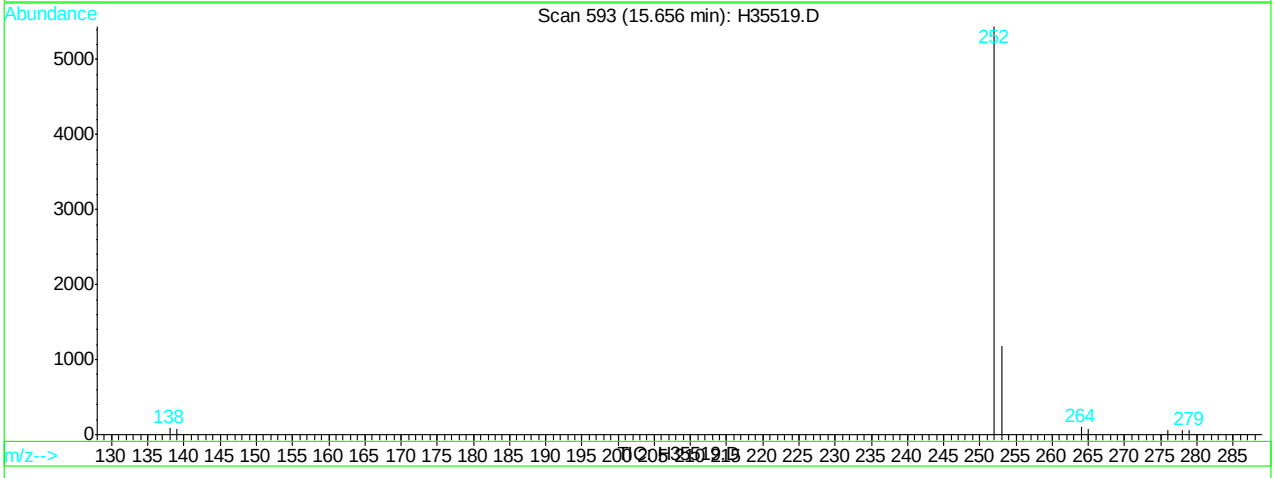
H35519.D H10229SP.M Thu Oct 22 13:39:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1918\H35519.D Vial: 8
Acq On : 21 Oct 2009 1:57 pm Operator: sheilac
Sample : icv1918-2.5 Inst : TXMSH
Misc : OP12779,EH1918,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 14:43 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10229SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Thu Oct 22 13:09:15 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.66min 2.42ppb m

response 21335

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.59
125.00	0.00	0.00
0.00	0.00	0.00

H35519.D H10229SP.M Thu Oct 22 13:39:36 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:53:41 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	99258	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	92355	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	65780	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	81086	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	9097	4.00	ppb	0.00
26) Perylene-d12	16.38	264	4085	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	50484	9.59	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 191.80%#			
10) 2-Fluorobiphenyl	8.87	172	386313	7.37	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 147.40%#			
16) 2,4,6-Tribromophenol	10.40	330	75337	30.34	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 303.40%#			
23) Terphenyl-d14	12.66	244	31134	13.51	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 270.20%#			

Target Compounds

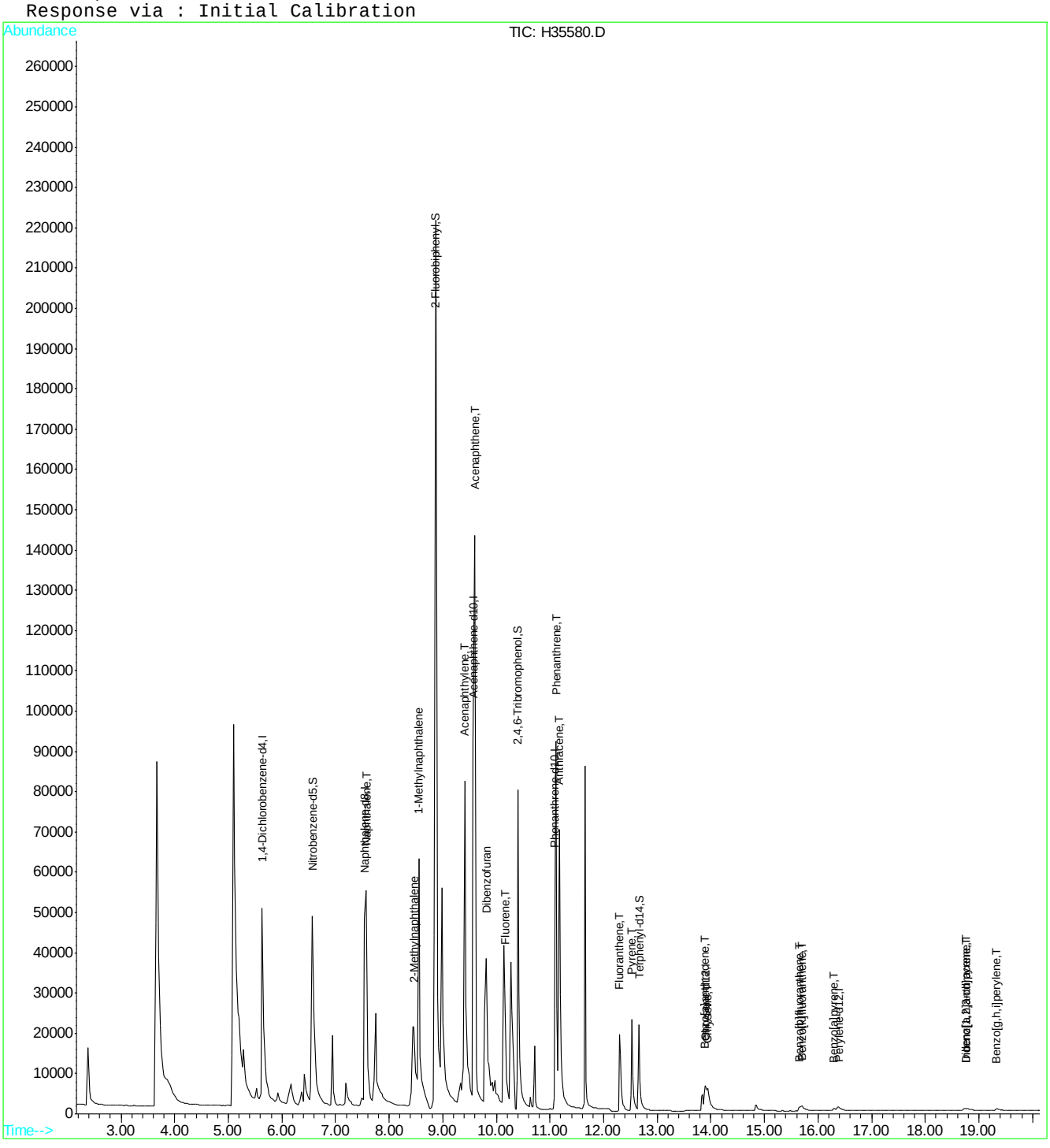
							Qvalue
6) Naphthalene	7.57	128	77225	1.84	ppb		91
7) 2-Methylnaphthalene	8.46	142	55399m	2.06	ppb		
8) 1-Methylnaphthalene	8.55	142	95129m	2.14	ppb		
11) Acenaphthylene	9.41	152	120792	2.65	ppb	#	86
12) Acenaphthene	9.60	153	93555	2.41	ppb	#	69
13) Dibenzofuran	9.81	168	74971	1.72	ppb		92
14) Fluorene	10.16	166	45723	1.87	ppb		96
18) Phenanthrene	11.11	178	91764	2.42	ppb		90
19) Anthracene	11.17	178	107144	2.50	ppb		91
20) Fluoranthene	12.29	202	41857	2.06	ppb	#	92
22) Pyrene	12.53	202	42511	2.80	ppb		95
24) Benzo[a]anthracene	13.89	228	6035m	2.51	ppb		
25) Chrysene	13.94	228	9685m	2.37	ppb		
27) Benzo[b]fluoranthene	15.66	252	2430m	2.40	ppb		
28) Benzo[k]fluoranthene	15.69	252	5439m	2.97	ppb		
29) Benzo[a]pyrene	16.30	252	3394	2.50	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.75	276	2421	2.83	ppb		89
31) Dibenz[a,h]anthracene	18.75	278	1745	2.54	ppb	#	91
32) Benzo[g,h,i]perylene	19.32	276	2249	2.76	ppb		89

(#) = qualifier out of range (m) = manual integration
H35580.D H10239SP.M Tue Oct 27 15:17:04 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: H10239SP.RES

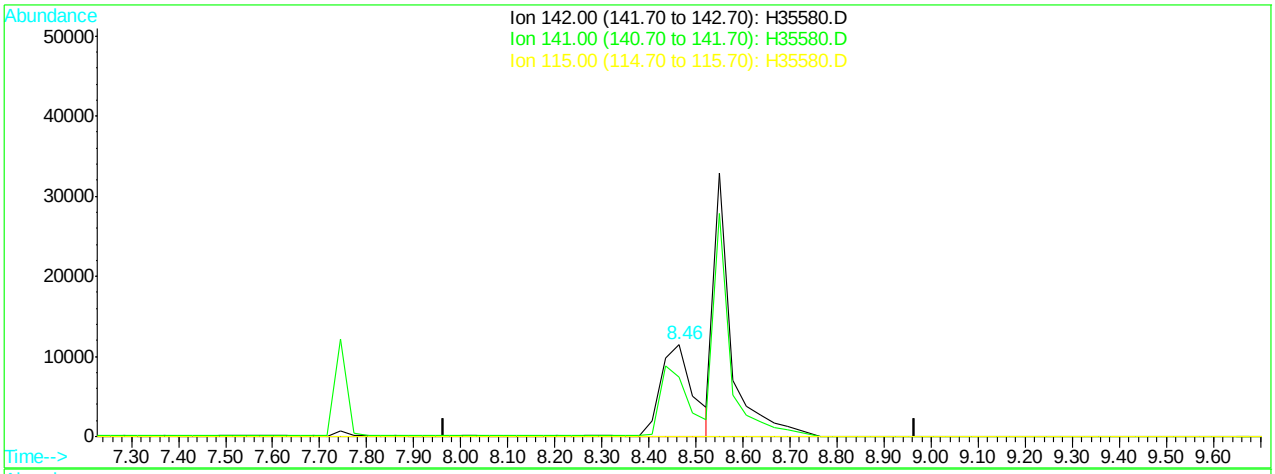
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

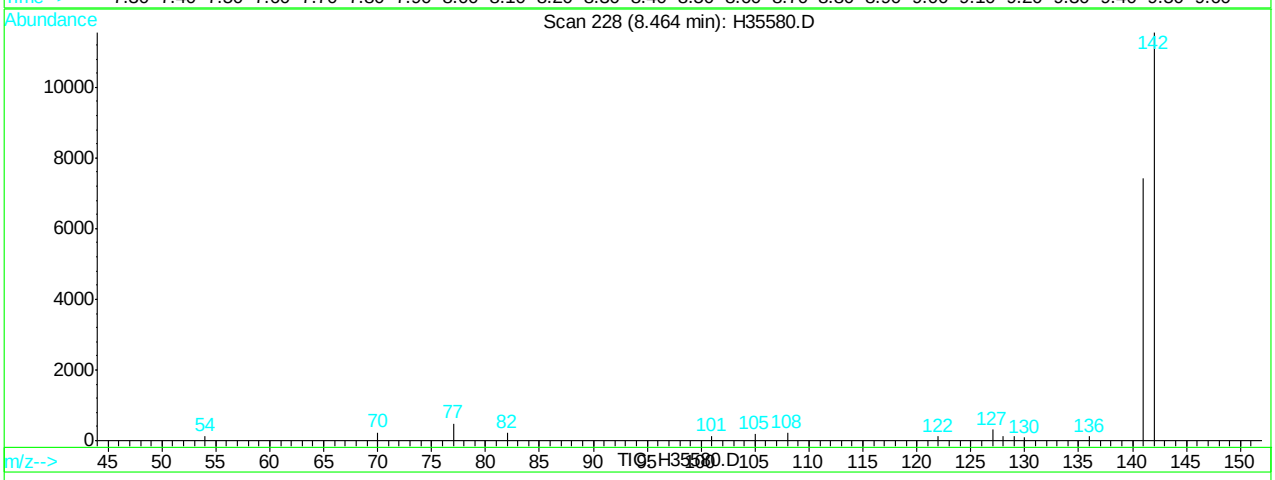


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 2.06ppb m

response 55399

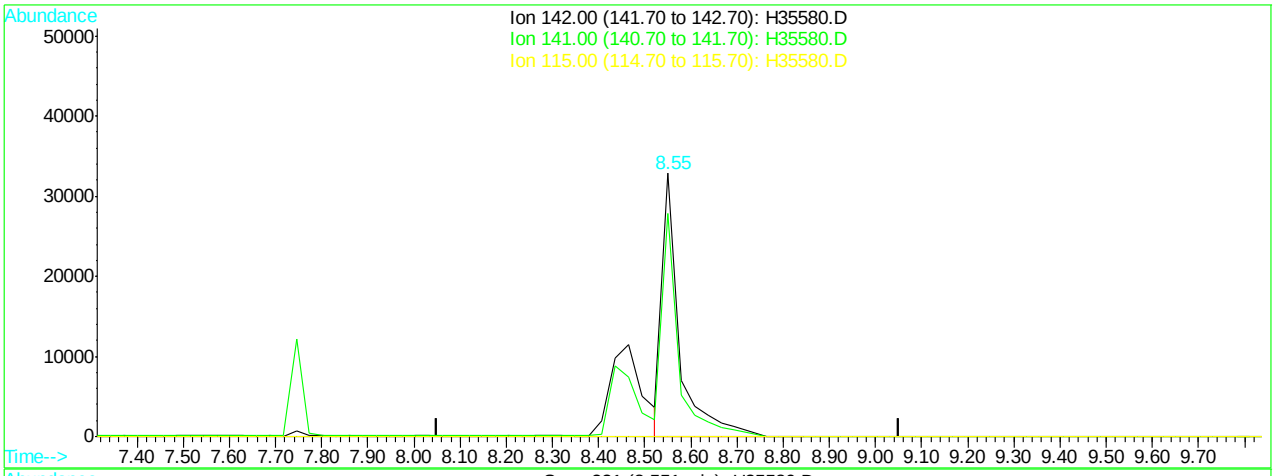
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	148.51#
115.00	0.00	0.00
0.00	0.00	0.00

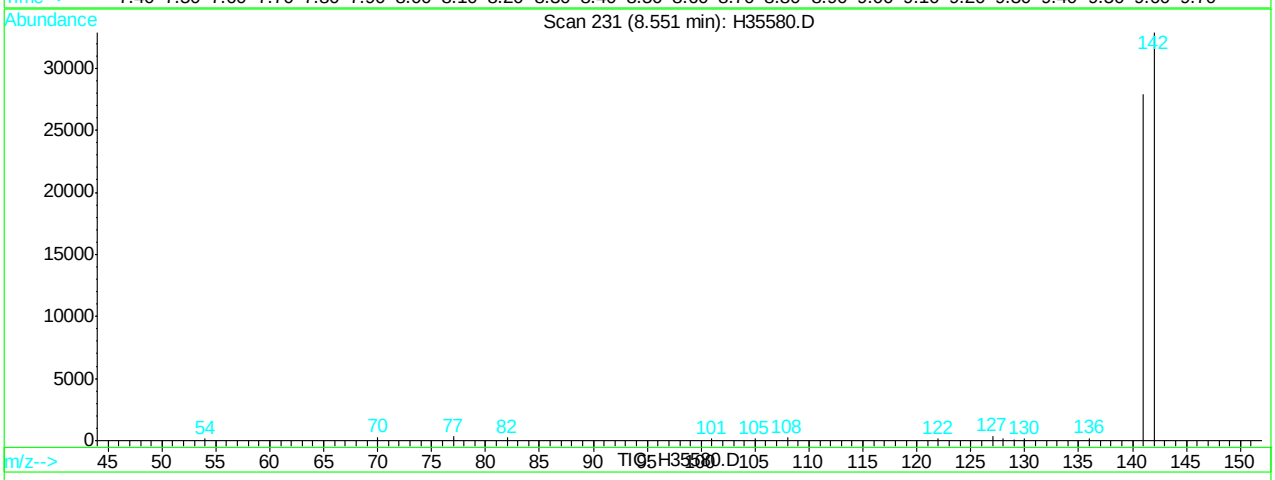
H35580.D H10239SP.M Tue Oct 27 15:18:58 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 2.14ppb m

response 95129

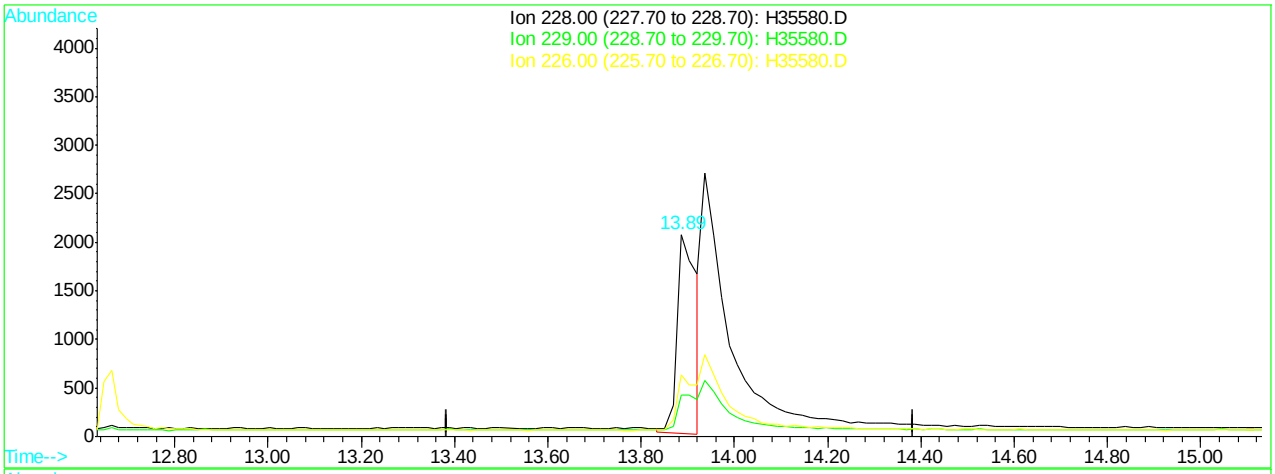
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	86.49#
115.00	0.00	0.00
0.00	0.00	0.00

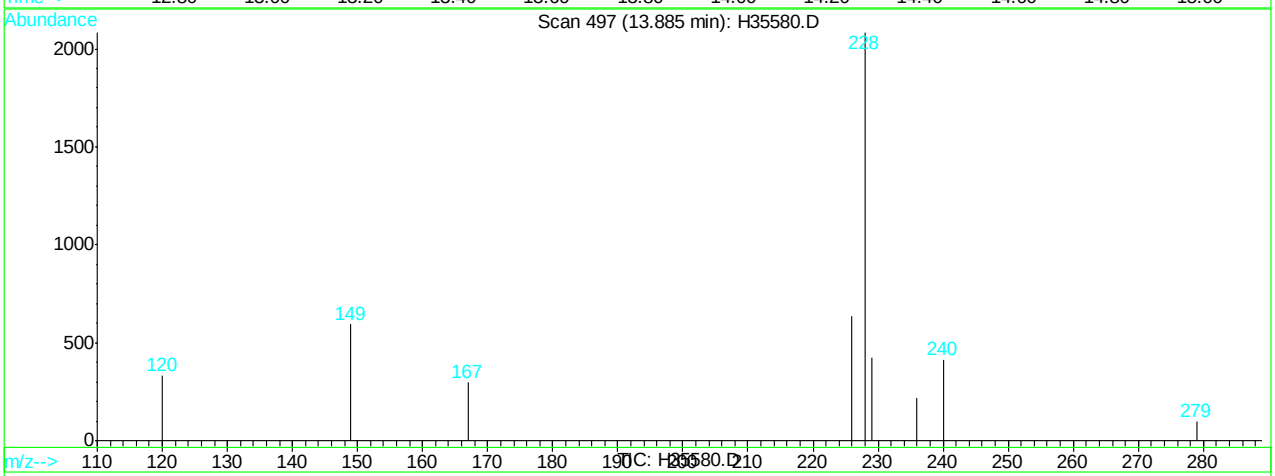
H35580.D H10239SP.M Tue Oct 27 15:19:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.89min 2.51ppb m

response 6035

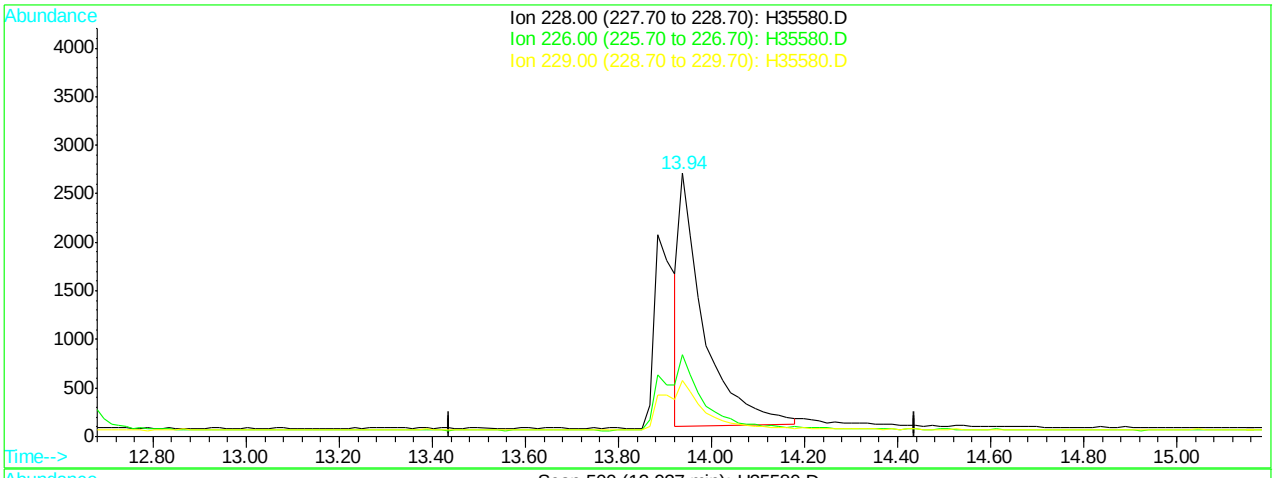
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.45
226.00	27.40	30.48
0.00	0.00	0.00

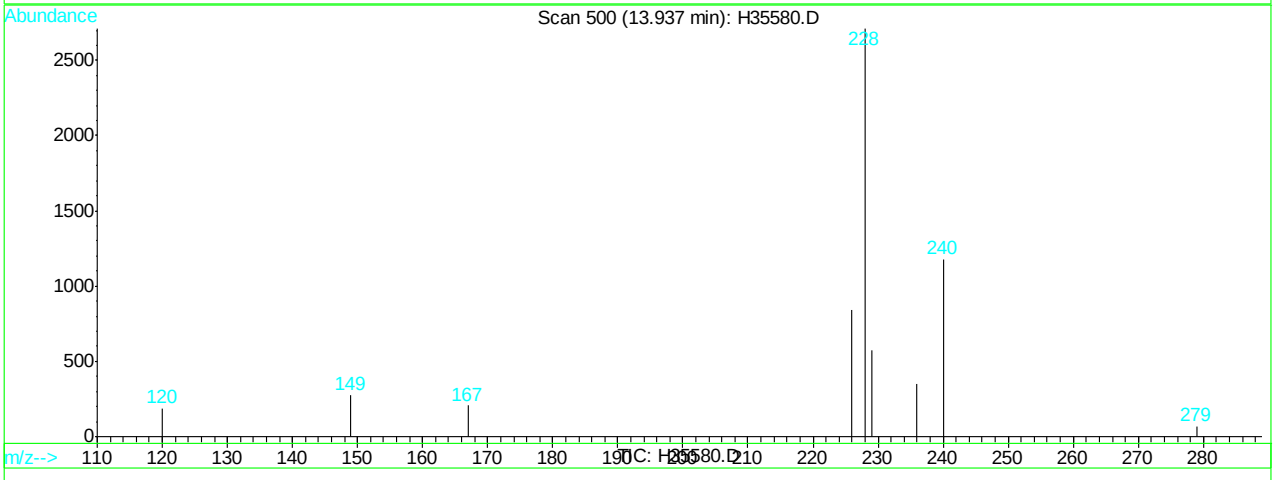
H35580.D H10239SP.M Tue Oct 27 15:19:07 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.37ppb m

response 9685

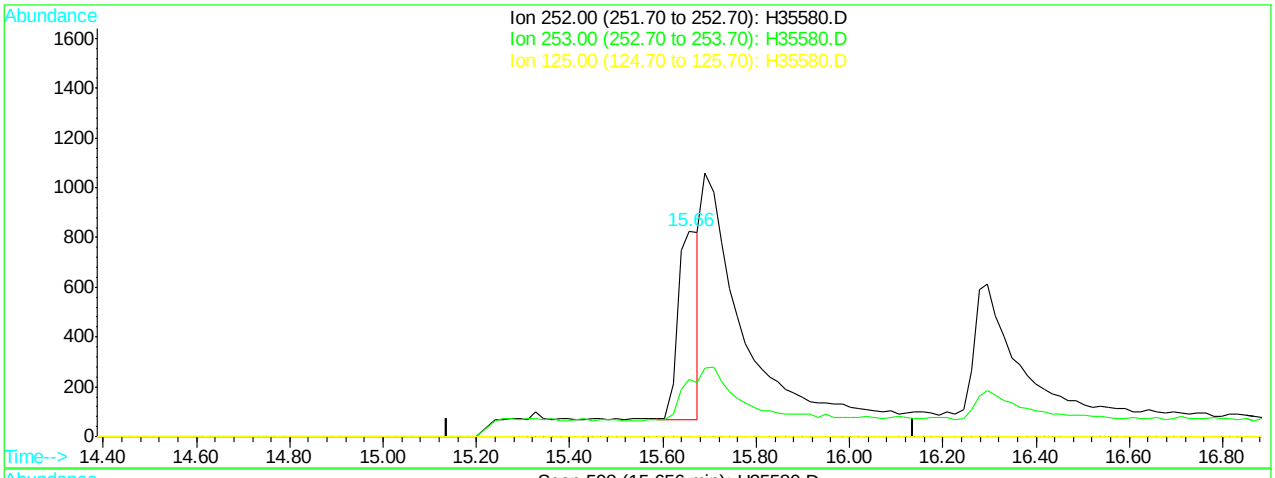
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	31.06
229.00	20.20	21.21
0.00	0.00	0.00

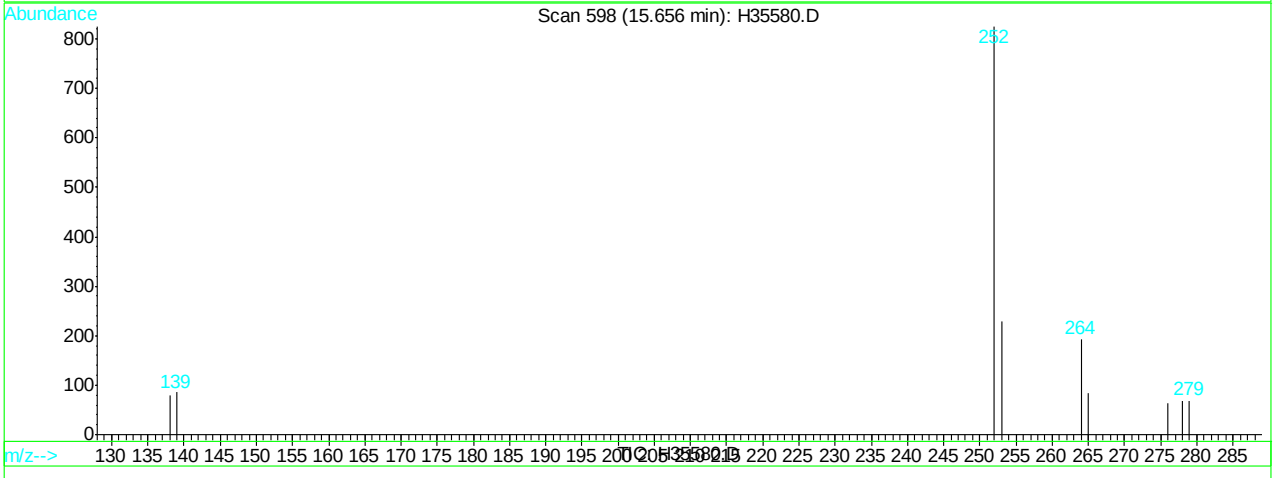
H35580.D H10239SP.M Tue Oct 27 15:19:10 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 2.40ppb m

response 2430

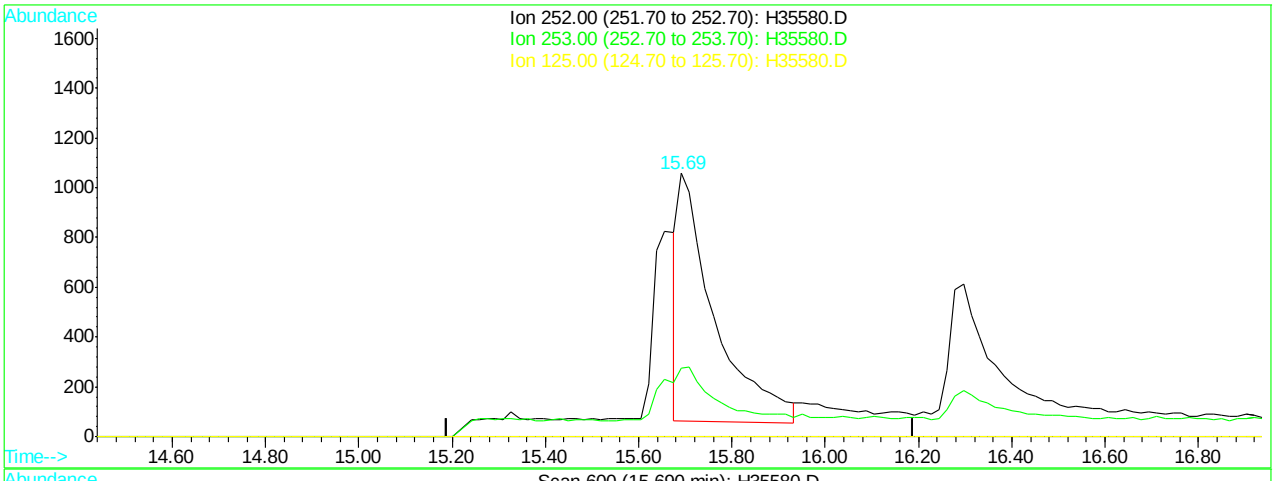
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	27.76
125.00	0.00	0.00
0.00	0.00	0.00

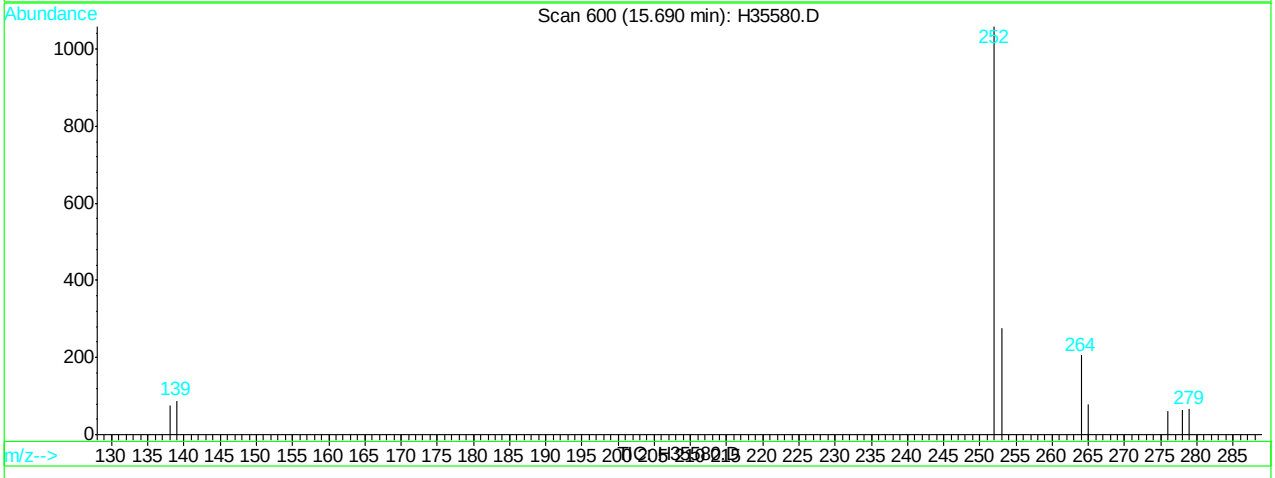
H35580.D H10239SP.M Tue Oct 27 15:19:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35580.D Vial: 2
Acq On : 23 Oct 2009 11:13 am Operator: sheilac
Sample : icc1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:56 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.97ppb m

response 5439

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	26.09
125.00	0.00	0.00
0.00	0.00	0.00

H35580.D H10239SP.M Tue Oct 27 15:19:17 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	102708	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	87587	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	65890	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	68983	4.00	ppb	0.00
21) Chrysene-d12	13.92	240	8000	4.00	ppb	0.02
26) Perylene-d12	16.38	264	4159	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	22553	3.80	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 76.00%			
10) 2-Fluorobiphenyl	8.87	172	192086	3.61	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 72.20%			
16) 2,4,6-Tribromophenol	10.42	330	21629	10.22	ppb	0.02
Spiked Amount 10.000	Range 10 - 123		Recovery = 102.20%			
23) Terphenyl-d14	12.68	244	8519	4.27	ppb	0.02
Spiked Amount 5.000	Range 10 - 160		Recovery = 85.40%			

Target Compounds

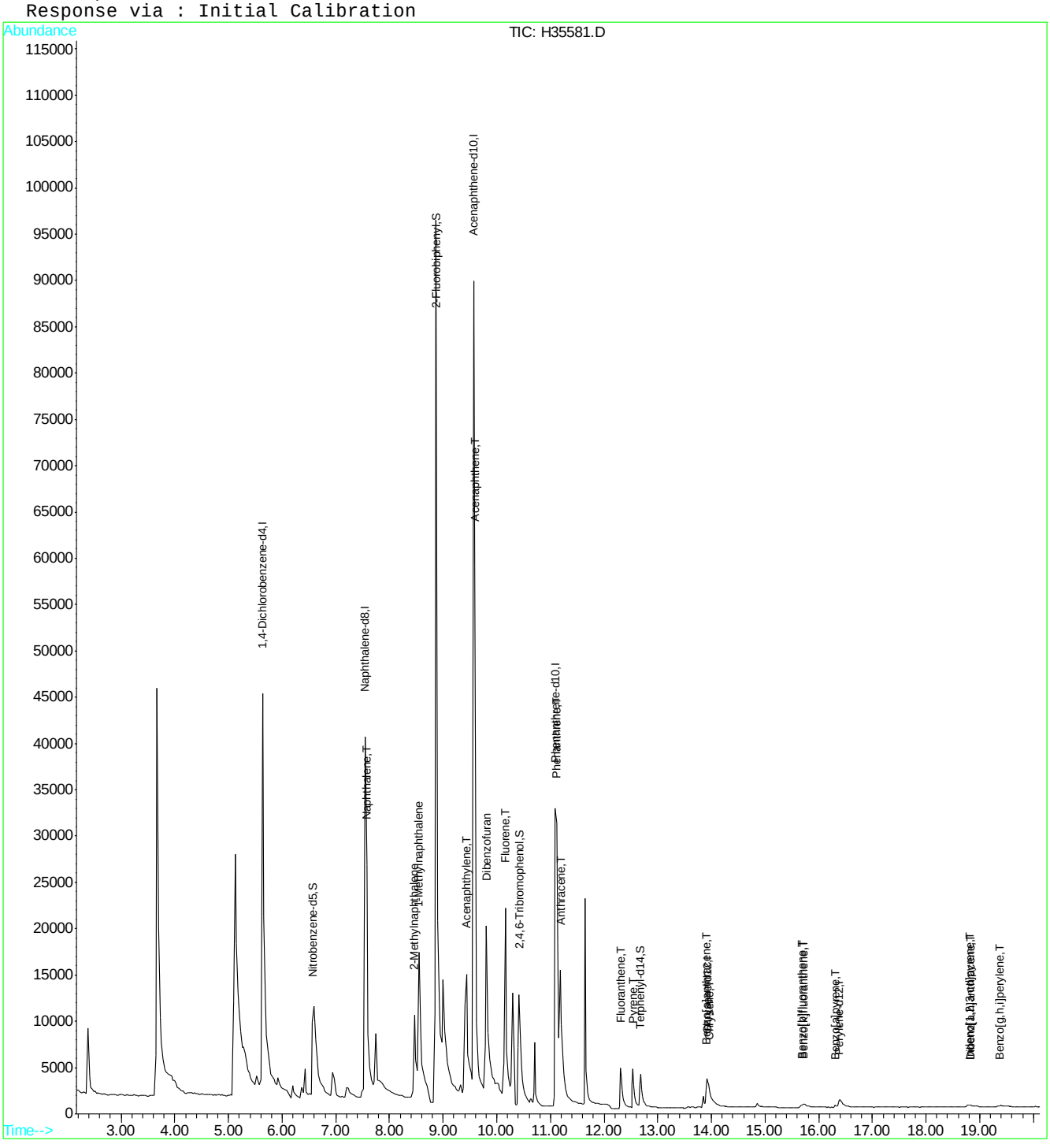
							Qvalue
6) Naphthalene	7.57	128	29276	0.64	ppb		92
7) 2-Methylnaphthalene	8.46	142	16608m	0.63	ppb		
8) 1-Methylnaphthalene	8.55	142	32761m	0.71	ppb		
11) Acenaphthylene	9.43	152	28073	0.64	ppb		100
12) Acenaphthene	9.59	153	36972	0.94	ppb		79
13) Dibenzofuran	9.81	168	44354	0.93	ppb		90
14) Fluorene	10.16	166	20877	0.81	ppb		97
18) Phenanthrene	11.11	178	27228	0.84	ppb		96
19) Anthracene	11.19	178	36383m	0.97	ppb		
20) Fluoranthene	12.31	202	11615	0.64	ppb	#	96
22) Pyrene	12.54	202	12944	0.98	ppb		95
24) Benzo[a]anthracene	13.90	228	1221m	0.56	ppb		
25) Chrysene	13.95	228	4526m	1.27	ppb		
27) Benzo[b]fluoranthene	15.69	252	735m	0.66	ppb		
28) Benzo[k]fluoranthene	15.73	252	1896m	1.04	ppb		
29) Benzo[a]pyrene	16.31	252	1219	0.88	ppb		93
30) Indeno[1,2,3-cd]pyrene	18.81	276	877	0.98	ppb		92
31) Dibenz[a,h]anthracene	18.82	278	571	0.80	ppb	#	91
32) Benzo[g,h,i]perylene	19.38	276	910	1.07	ppb	#	77

(#) = qualifier out of range (m) = manual integration
H35581.D H10239SP.M Tue Oct 27 15:19:25 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: H10239SP.RES

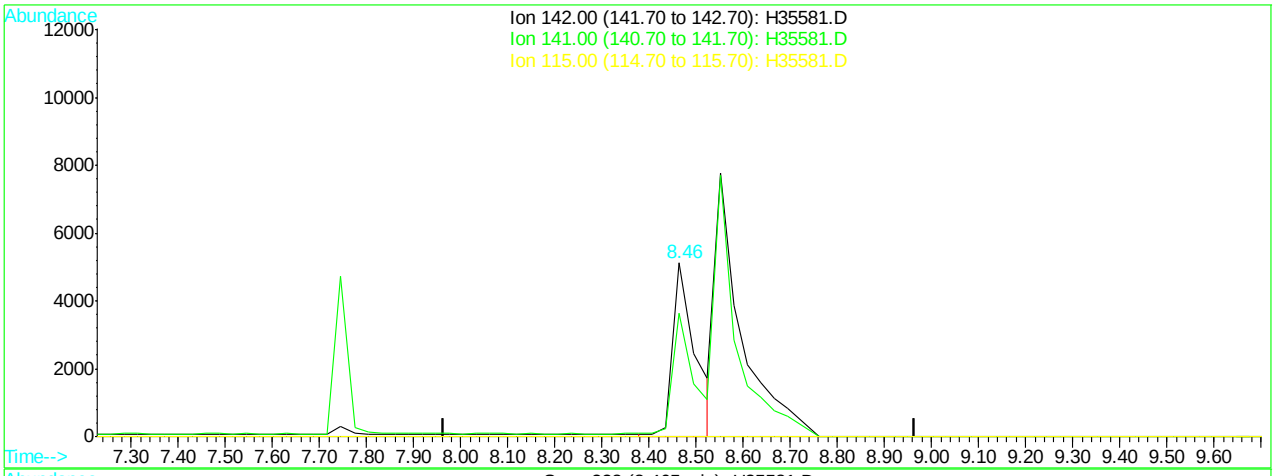
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

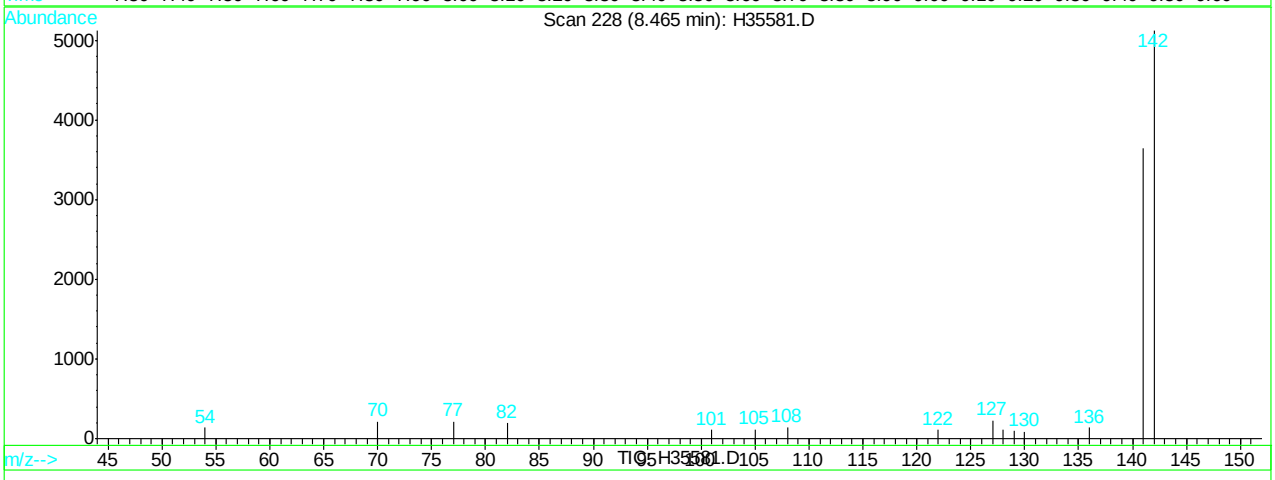


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.46min 0.63ppb m

response 16608

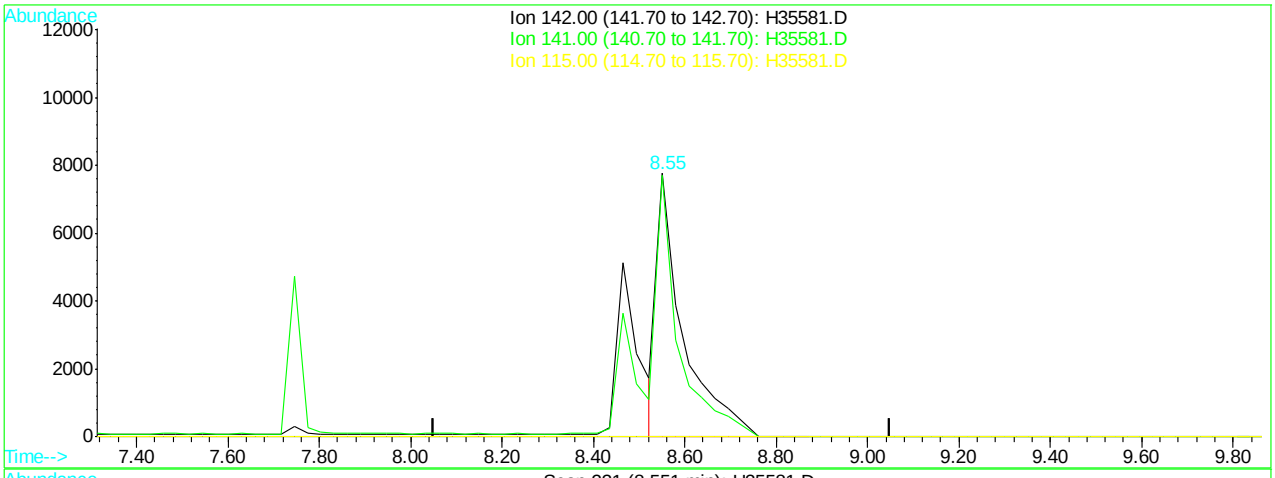
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	240.58#
115.00	0.00	0.00
0.00	0.00	0.00

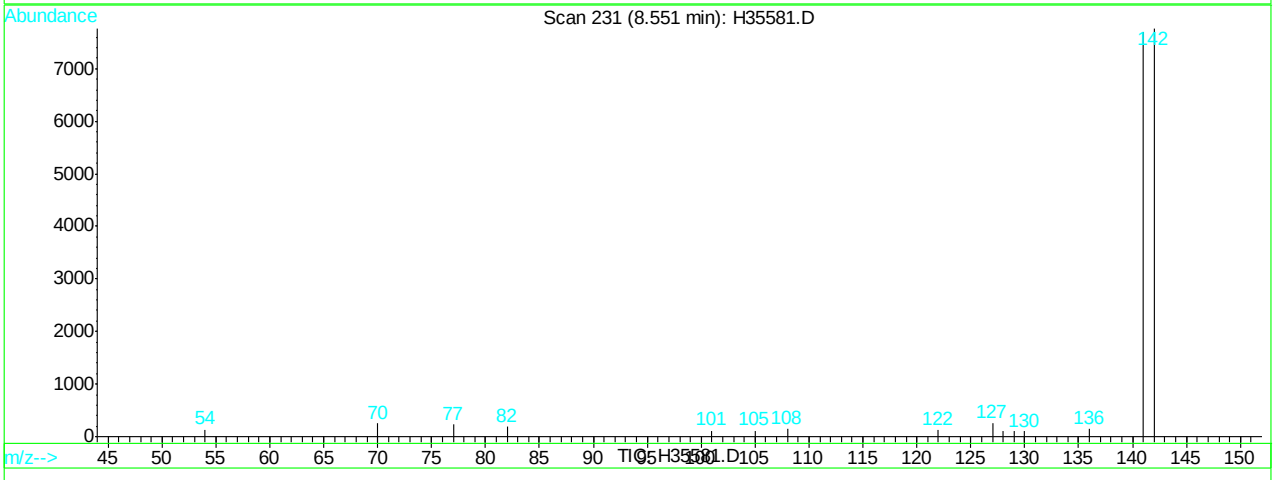
H35581.D H10239SP.M Tue Oct 27 15:19:52 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.55min 0.71ppb m

response 32761

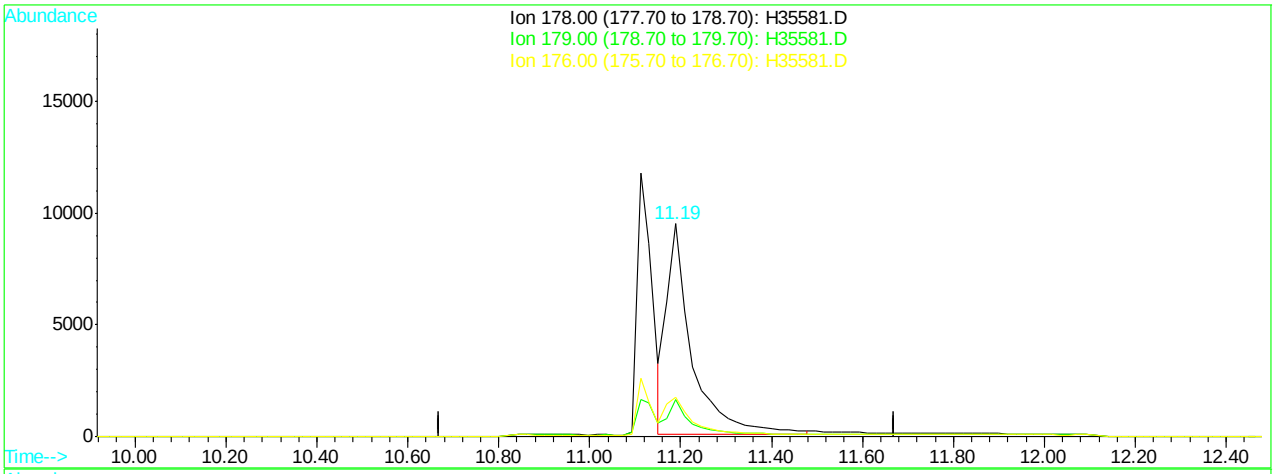
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	121.96
115.00	0.00	0.00
0.00	0.00	0.00

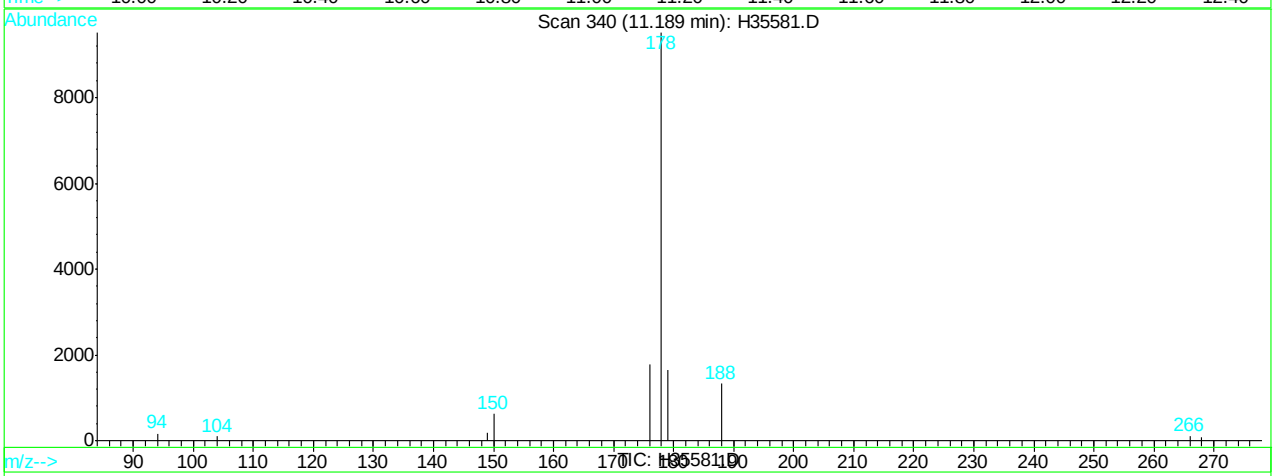
H35581.D H10239SP.M Tue Oct 27 15:19:55 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.19min 0.97ppb m

response 36383

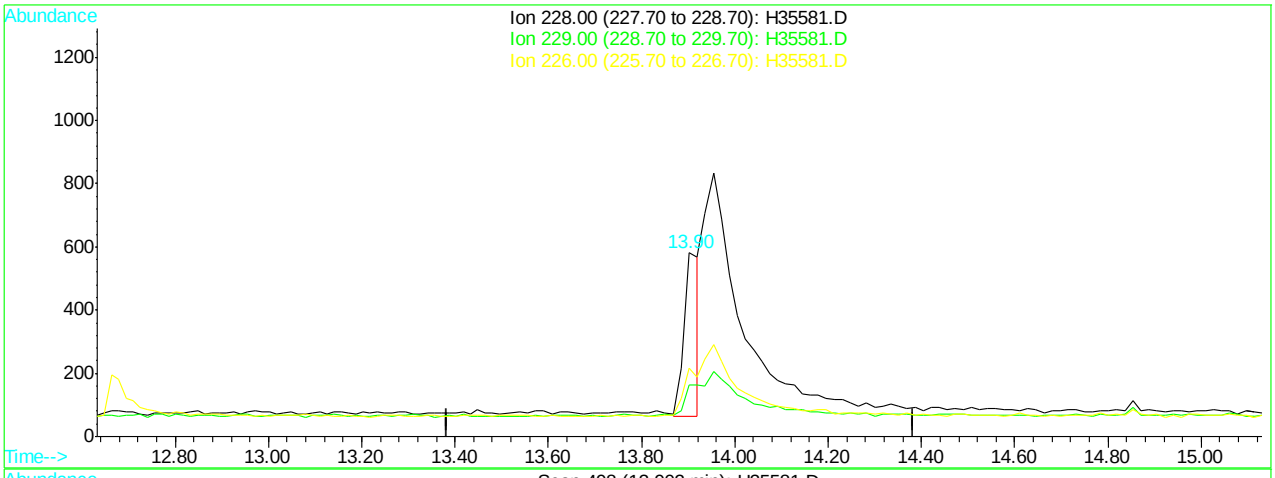
Ion	Exp%	Act%
178.00	100	100
179.00	12.00	17.31#
176.00	23.40	18.66
0.00	0.00	0.00

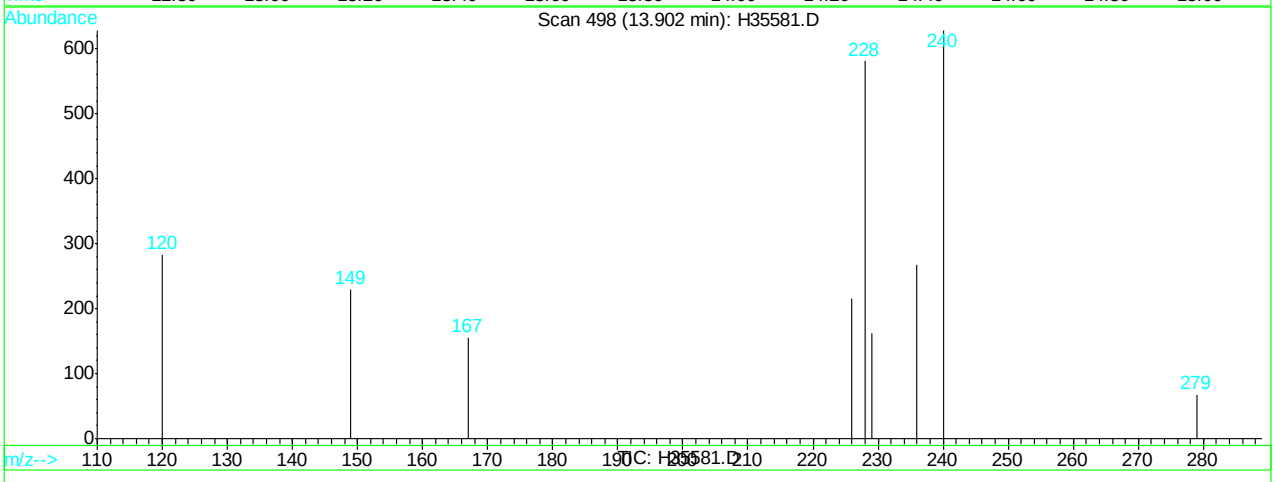
H35581.D H10239SP.M Tue Oct 27 15:20:01 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.90min 0.56ppb m

response 1221

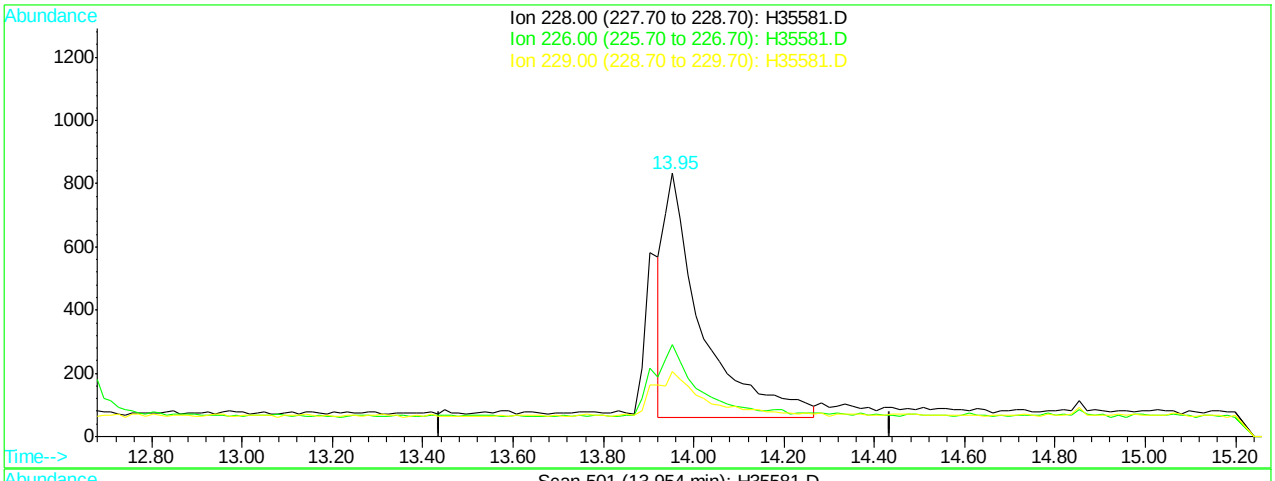
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	27.88#
226.00	27.40	37.18#
0.00	0.00	0.00

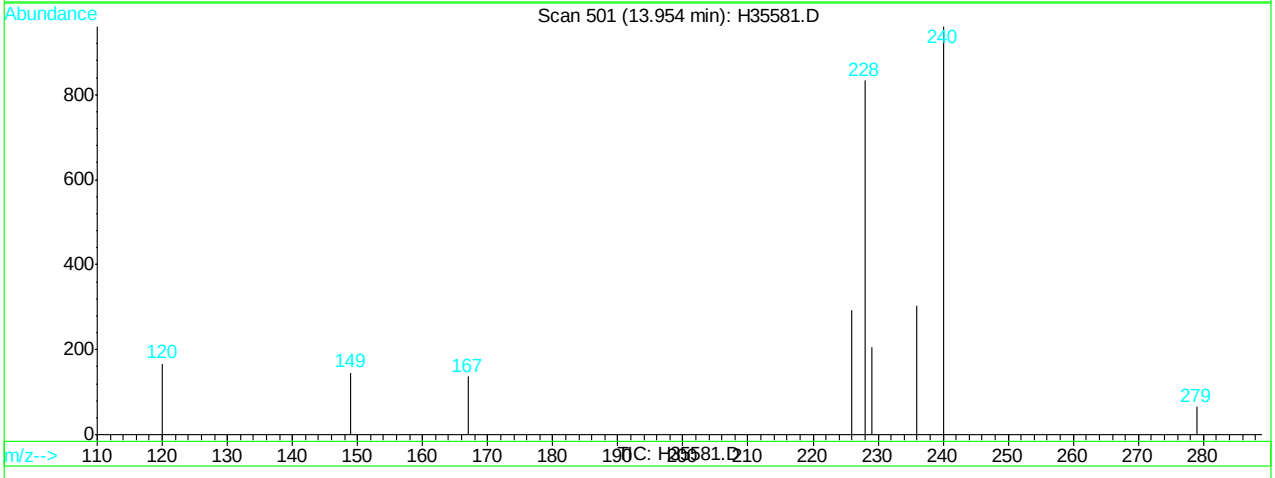
H35581.D H10239SP.M Tue Oct 27 15:20:05 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 1.27ppb m

response 4526

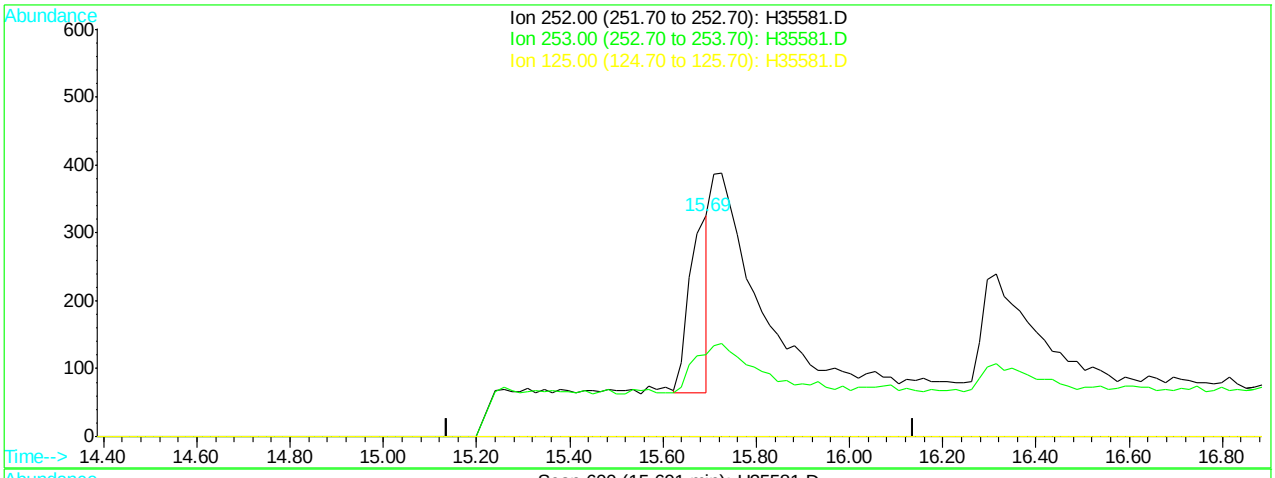
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	35.05
229.00	20.20	24.73
0.00	0.00	0.00

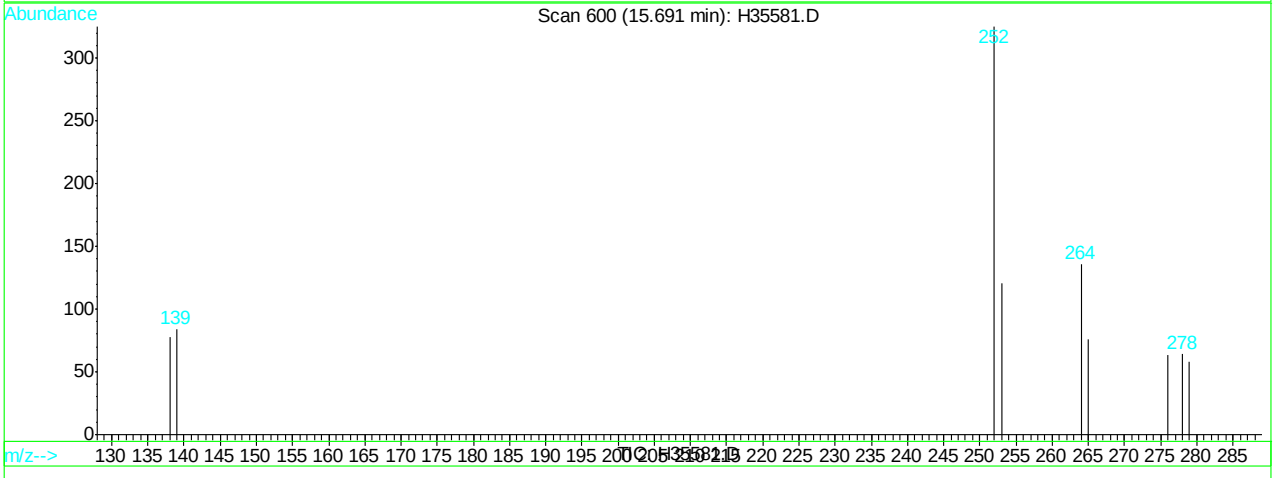
H35581.D H10239SP.M Tue Oct 27 15:20:08 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.69min 0.66ppb m

response 735

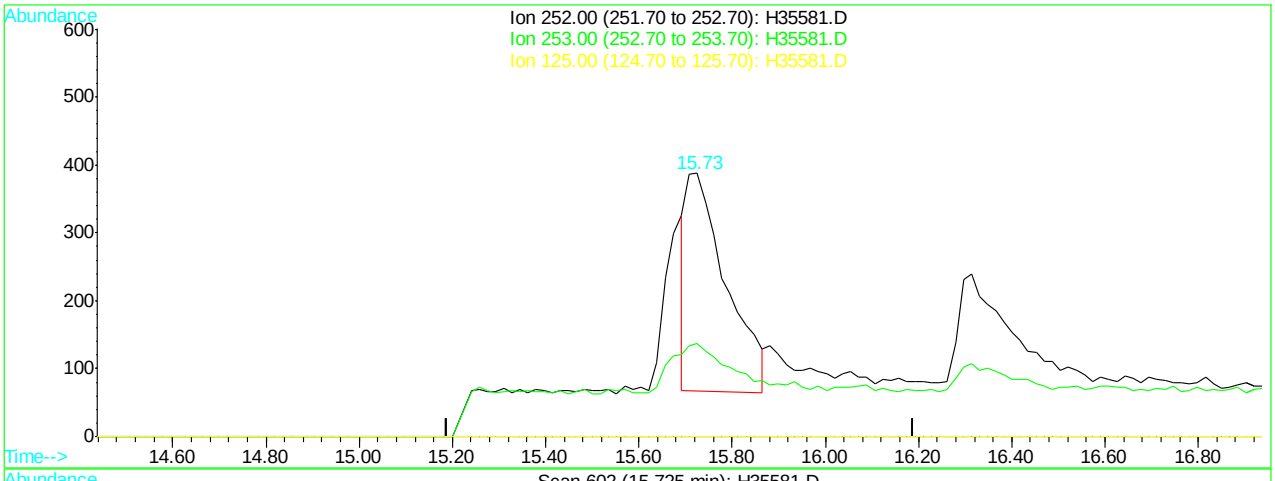
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	37.23#
125.00	0.00	0.00
0.00	0.00	0.00

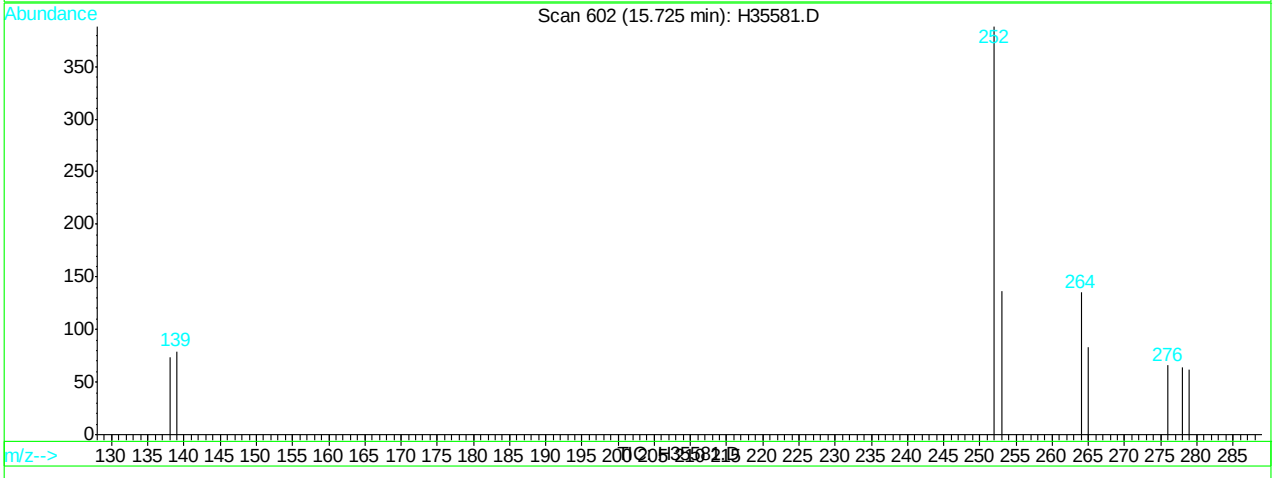
H35581.D H10239SP.M Tue Oct 27 15:20:11 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35581.D Vial: 3
Acq On : 23 Oct 2009 11:39 am Operator: sheilac
Sample : ic1920-1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:04 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.73min 1.04ppb m

response 1896

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	35.31#
125.00	0.00	0.00
0.00	0.00	0.00

H35581.D H10239SP.M Tue Oct 27 15:20:14 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.66	152	83648	4.00	ppb	0.00
4) Naphthalene-d8	7.54	136	63676	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	52898	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	48772	4.00	ppb	0.02
21) Chrysene-d12	13.94	240	8164	4.00	ppb	0.04
26) Perylene-d12	16.40	264	4584	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.42	82	331	0.08	ppb	-0.14
Spiked Amount 5.000	Range 17 - 131		Recovery	=	1.60%#	
10) 2-Fluorobiphenyl	8.93	172	13943	0.33	ppb	0.06
Spiked Amount 5.000	Range 15 - 137		Recovery	=	6.60%#	
16) 2,4,6-Tribromophenol	10.51	330	575m	0.38	ppb	0.10
Spiked Amount 10.000	Range 10 - 123		Recovery	=	3.80%#	
23) Terphenyl-d14	12.70	244	665	0.33	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery	=	6.60%#	

Target Compounds

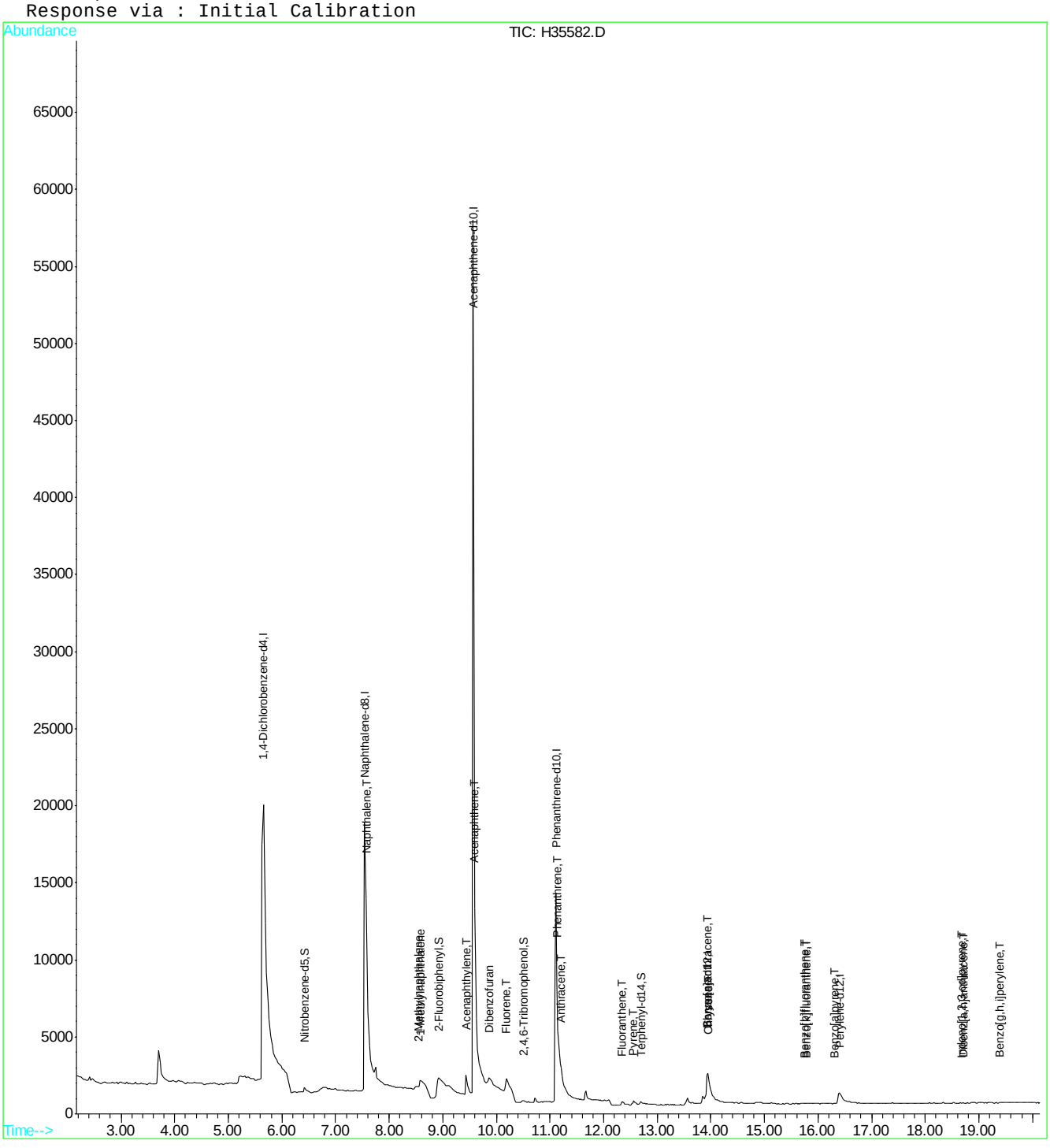
							Qvalue
6) Naphthalene	7.57	128	2499	0.08	ppb	#	96
7) 2-Methylnaphthalene	8.55	142	480m	0.03	ppb		
8) 1-Methylnaphthalene	8.58	142	1924m	0.06	ppb		
11) Acenaphthylene	9.44	152	2817	0.08	ppb	#	87
12) Acenaphthene	9.60	153	3045	0.10	ppb		90
13) Dibenzofuran	9.87	168	3057	0.08	ppb		94
14) Fluorene	10.19	166	1424	0.07	ppb		91
18) Phenanthrene	11.13	178	2033	0.09	ppb	#	85
19) Anthracene	11.21	178	2694	0.10	ppb	#	87
20) Fluoranthene	12.34	202	916	0.07	ppb	#	92
22) Pyrene	12.56	202	1325	0.10	ppb		99
24) Benzo[a]anthracene	13.94	228	166m	0.08	ppb		
25) Chrysene	13.96	228	317m	0.09	ppb		
27) Benzo[b]fluoranthene	15.74	252	169m	0.14	ppb		
28) Benzo[k]fluoranthene	15.78	252	149m	0.07	ppb		
29) Benzo[a]pyrene	16.31	252	154	0.10	ppb		87
30) Indeno[1,2,3-cd]pyrene	18.68	276	15	0.02	ppb	#	45
31) Dibenz[a,h]anthracene	18.72	278	35	0.04	ppb	#	29
32) Benzo[g,h,i]perylene	19.39	276	59	0.06	ppb	#	72

(#) = qualifier out of range (m) = manual integration
H35582.D H10239SP.M Tue Oct 27 15:20:23 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: H10239SP.RES

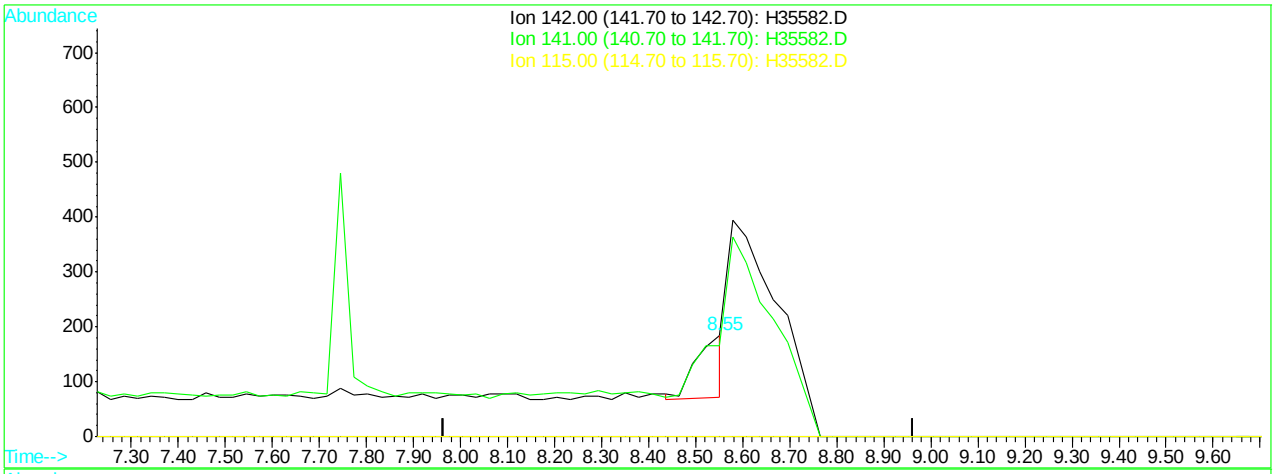
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

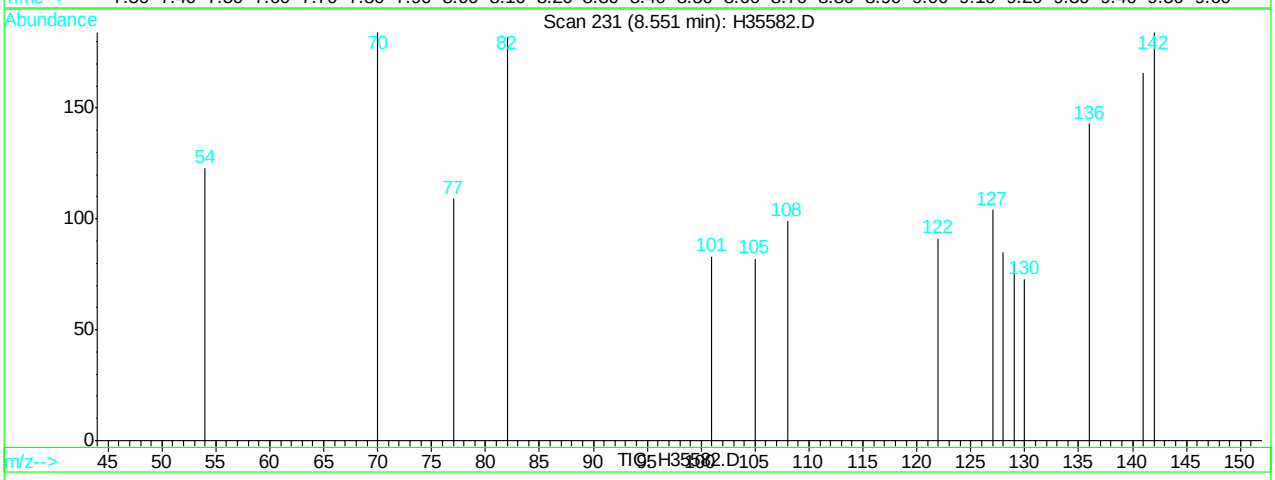


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.03ppb m

response 480

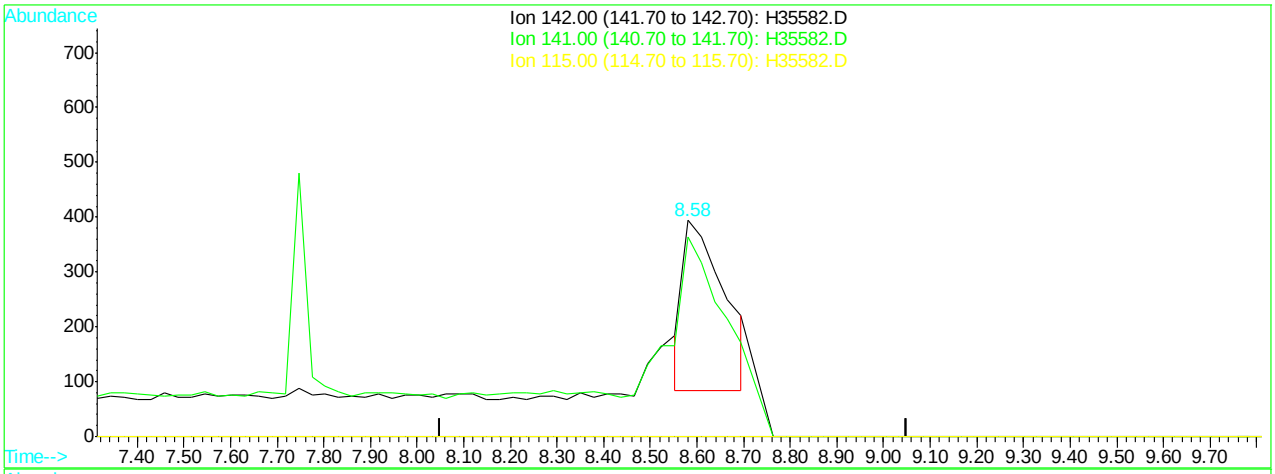
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	745.42#
115.00	0.00	0.00
0.00	0.00	0.00

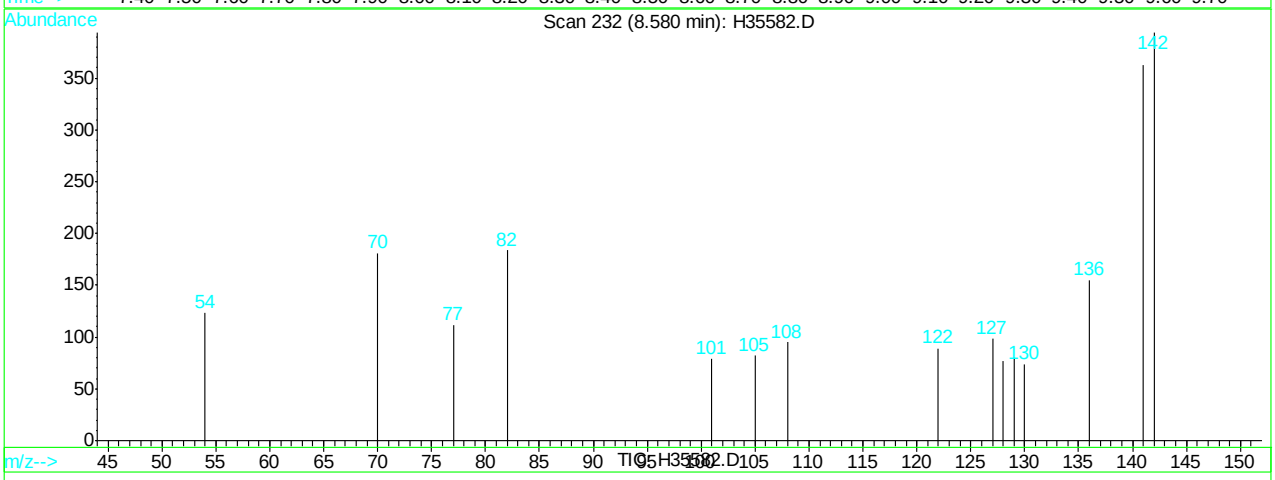
H35582.D H10239SP.M Tue Oct 27 15:20:45 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.06ppb m

response 1924

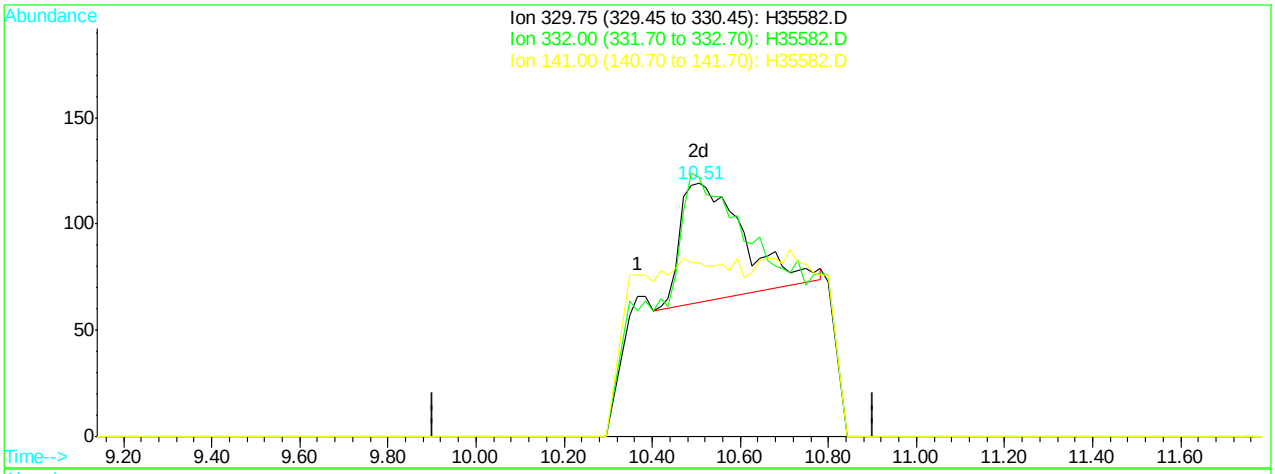
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	185.97#
115.00	0.00	0.00
0.00	0.00	0.00

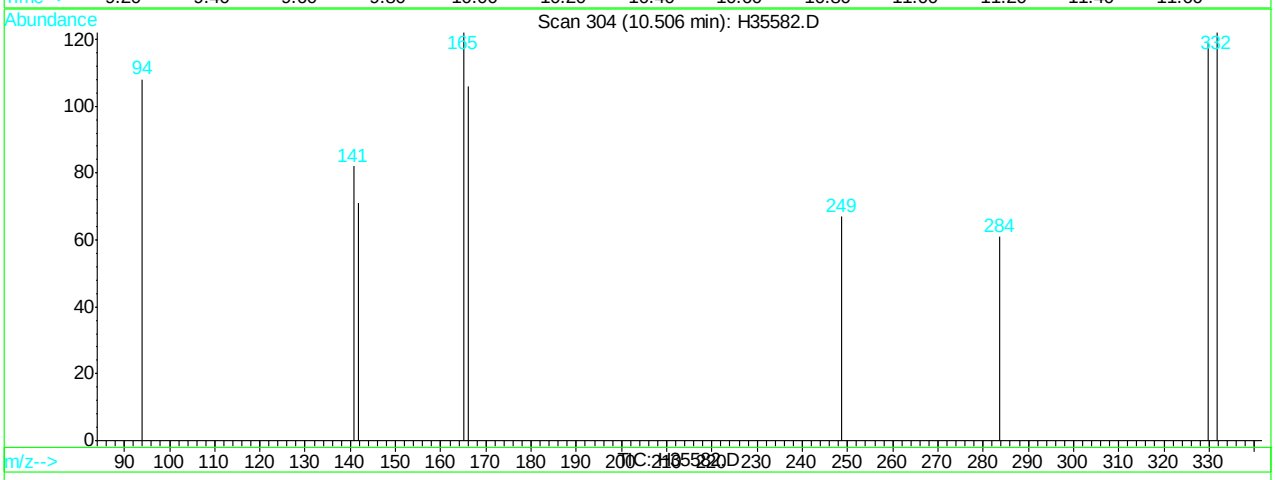
H35582.D H10239SP.M Tue Oct 27 15:20:49 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.51min 0.38ppb m

response 575

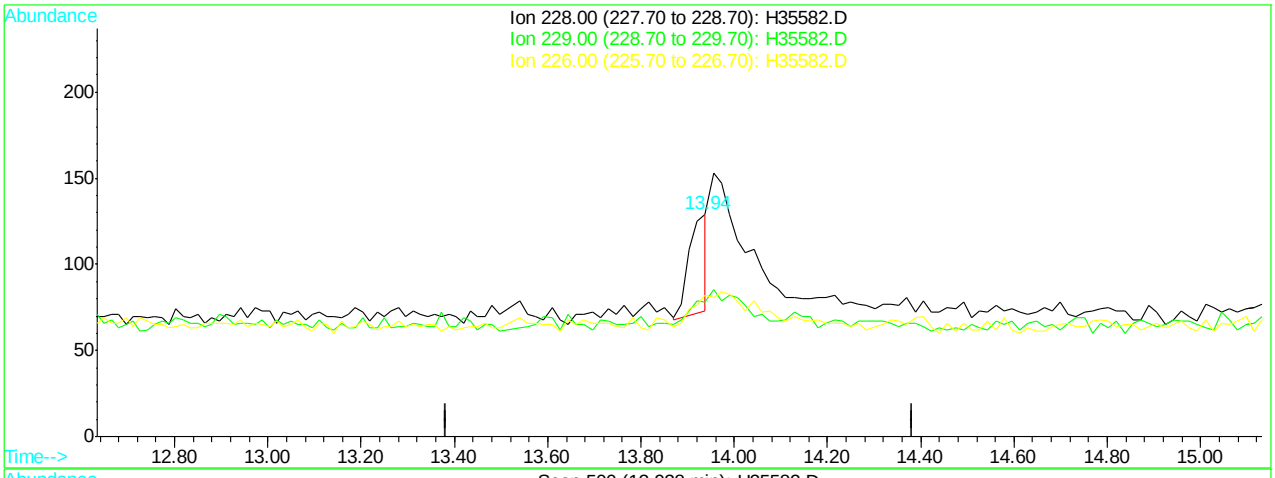
Ion	Exp%	Act%
329.75	100	100
332.00	97.50	68.87#
141.00	15.60	84.35#
0.00	0.00	0.00

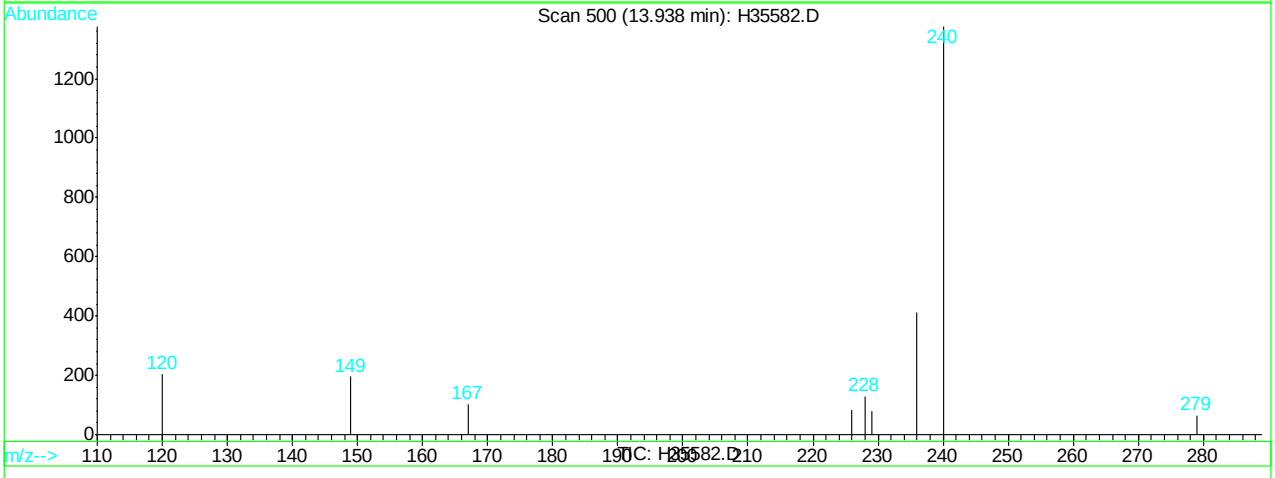
H35582.D H10239SP.M Tue Oct 27 15:20:53 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.94min 0.08ppb m

response 166

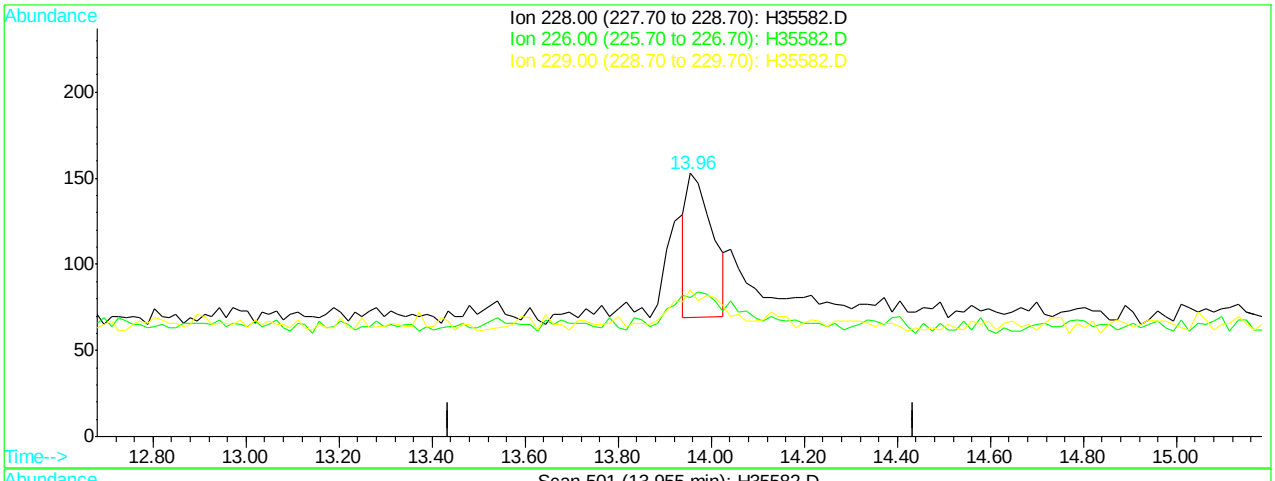
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	60.47#
226.00	27.40	63.57#
0.00	0.00	0.00

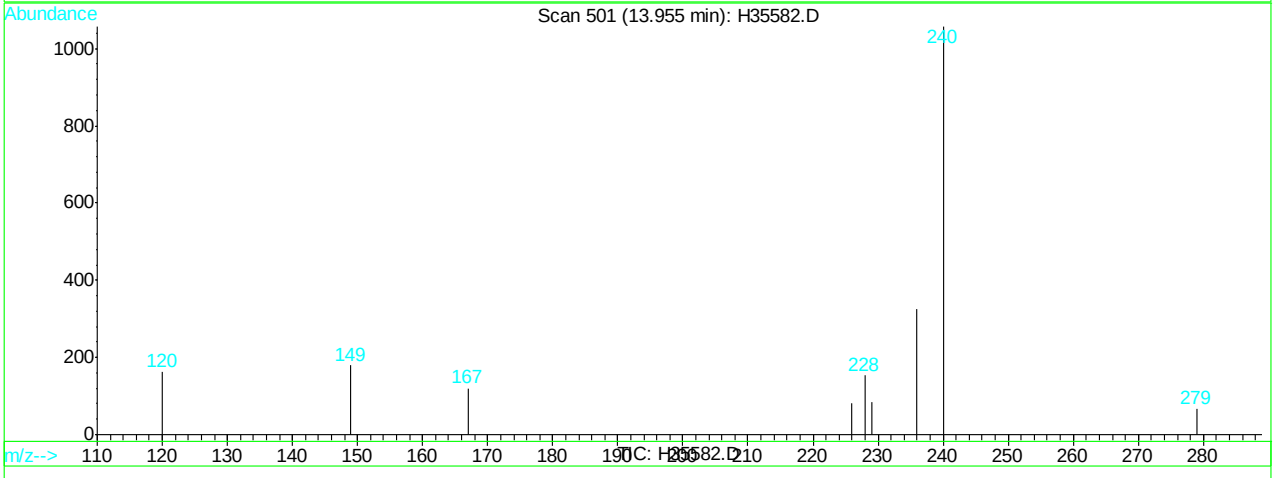
H35582.D H10239SP.M Tue Oct 27 15:20:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.96min 0.09ppb m

response 317

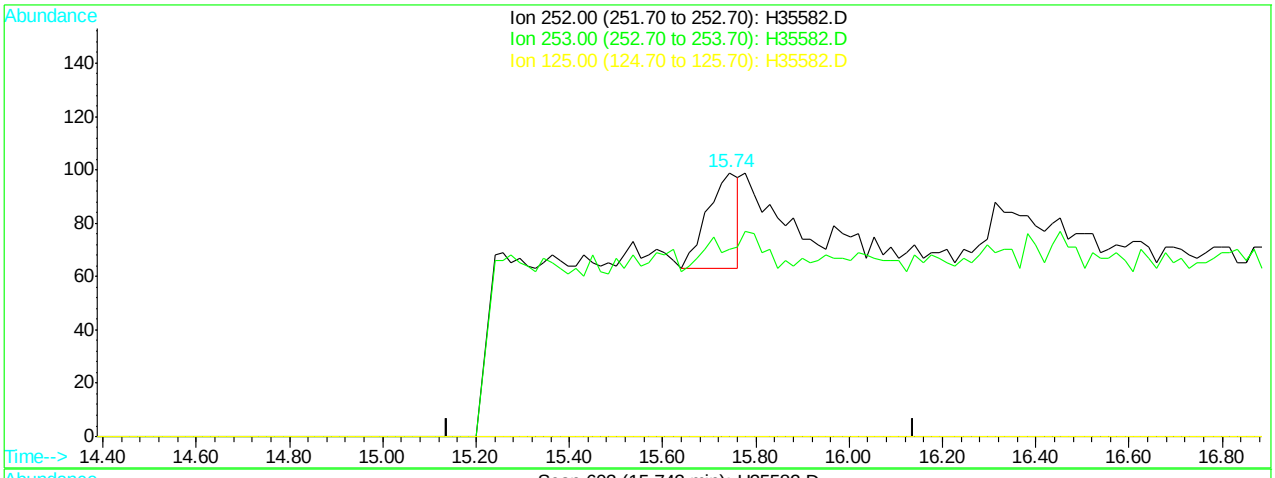
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	52.94#
229.00	20.20	55.56#
0.00	0.00	0.00

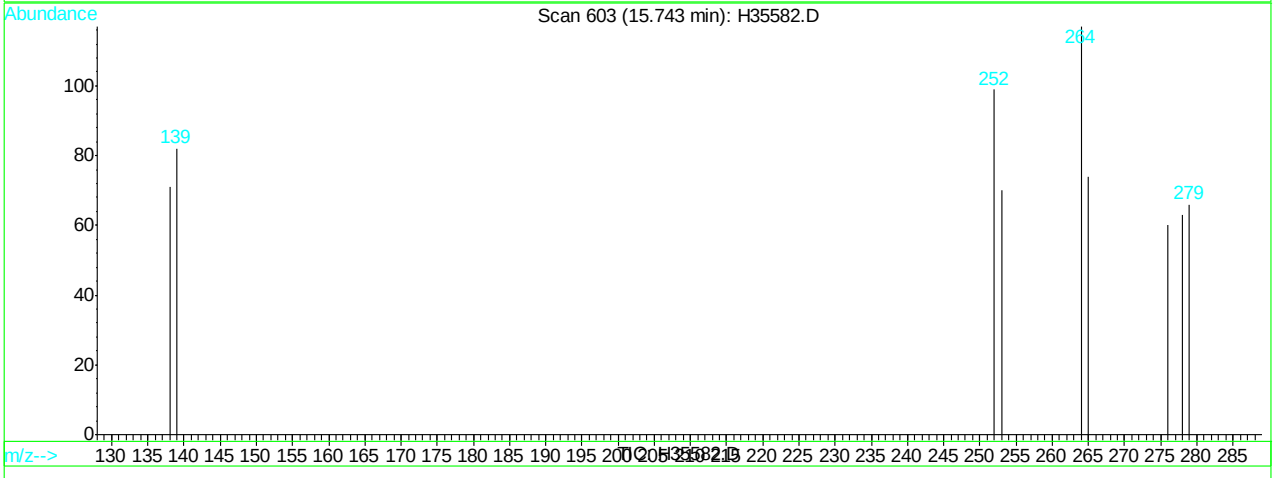
H35582.D H10239SP.M Tue Oct 27 15:21:03 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.74min 0.14ppb m

response 169

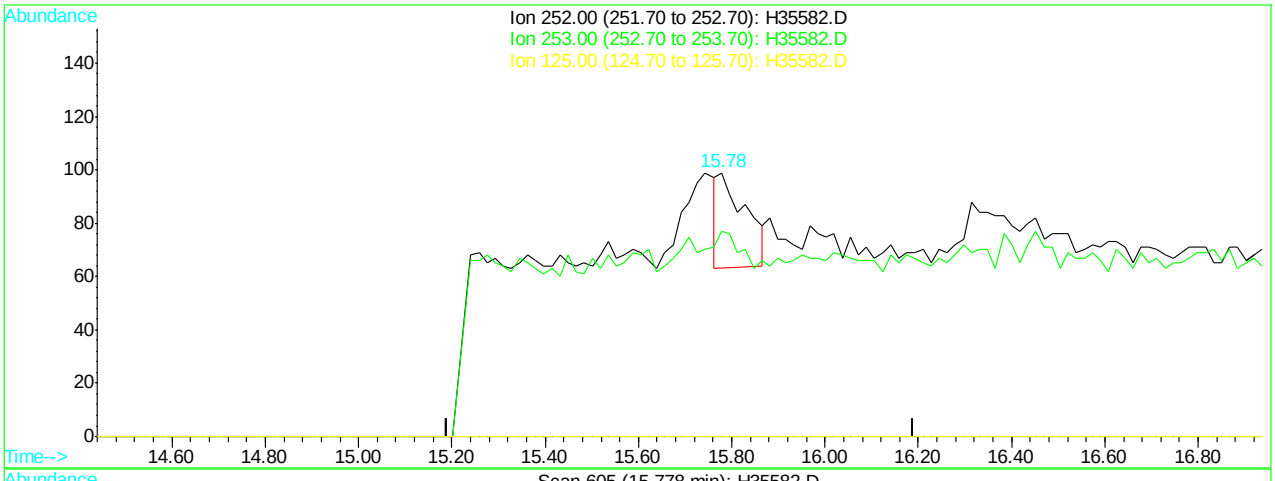
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	70.71#
125.00	0.00	0.00
0.00	0.00	0.00

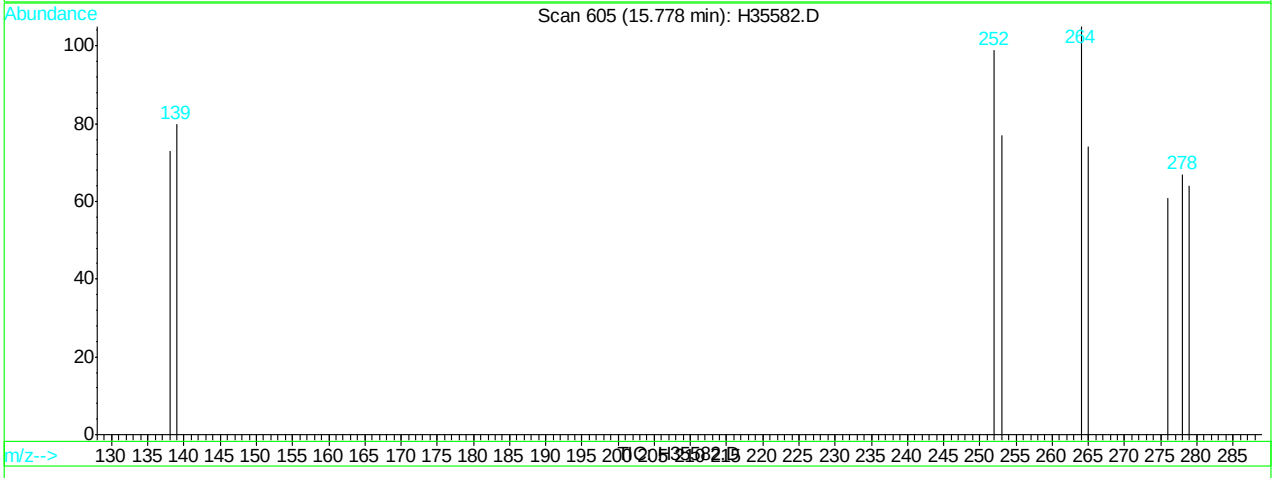
H35582.D H10239SP.M Tue Oct 27 15:21:06 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35582.D Vial: 4
Acq On : 23 Oct 2009 12:08 pm Operator: sheilac
Sample : ic1920-0.1 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:59 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.78min 0.07ppb m

response 149

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	77.78#
125.00	0.00	0.00
0.00	0.00	0.00

H35582.D H10239SP.M Tue Oct 27 15:21:09 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	85205	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	63649	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	51651	4.00	ppb	0.00
15) Phenanthrene-d10	11.11	188	51126	4.00	ppb	0.02
21) Chrysene-d12	13.94	240	7193	4.00	ppb	0.03
26) Perylene-d12	16.40	264	3706	4.00	ppb	0.04

System Monitoring Compounds

5) Nitrobenzene-d5	6.42	82	708	0.16	ppb	-0.14
Spiked Amount 5.000	Range 17 - 131		Recovery	=	3.20%#	
10) 2-Fluorobiphenyl	8.90	172	25082	0.60	ppb	0.03
Spiked Amount 5.000	Range 15 - 137		Recovery	=	12.00%#	
16) 2,4,6-Tribromophenol	10.47	330	1445m	0.92	ppb	0.07
Spiked Amount 10.000	Range 10 - 123		Recovery	=	9.20%#	
23) Terphenyl-d14	12.69	244	1024	0.57	ppb	0.03
Spiked Amount 5.000	Range 10 - 160		Recovery	=	11.40%	

Target Compounds

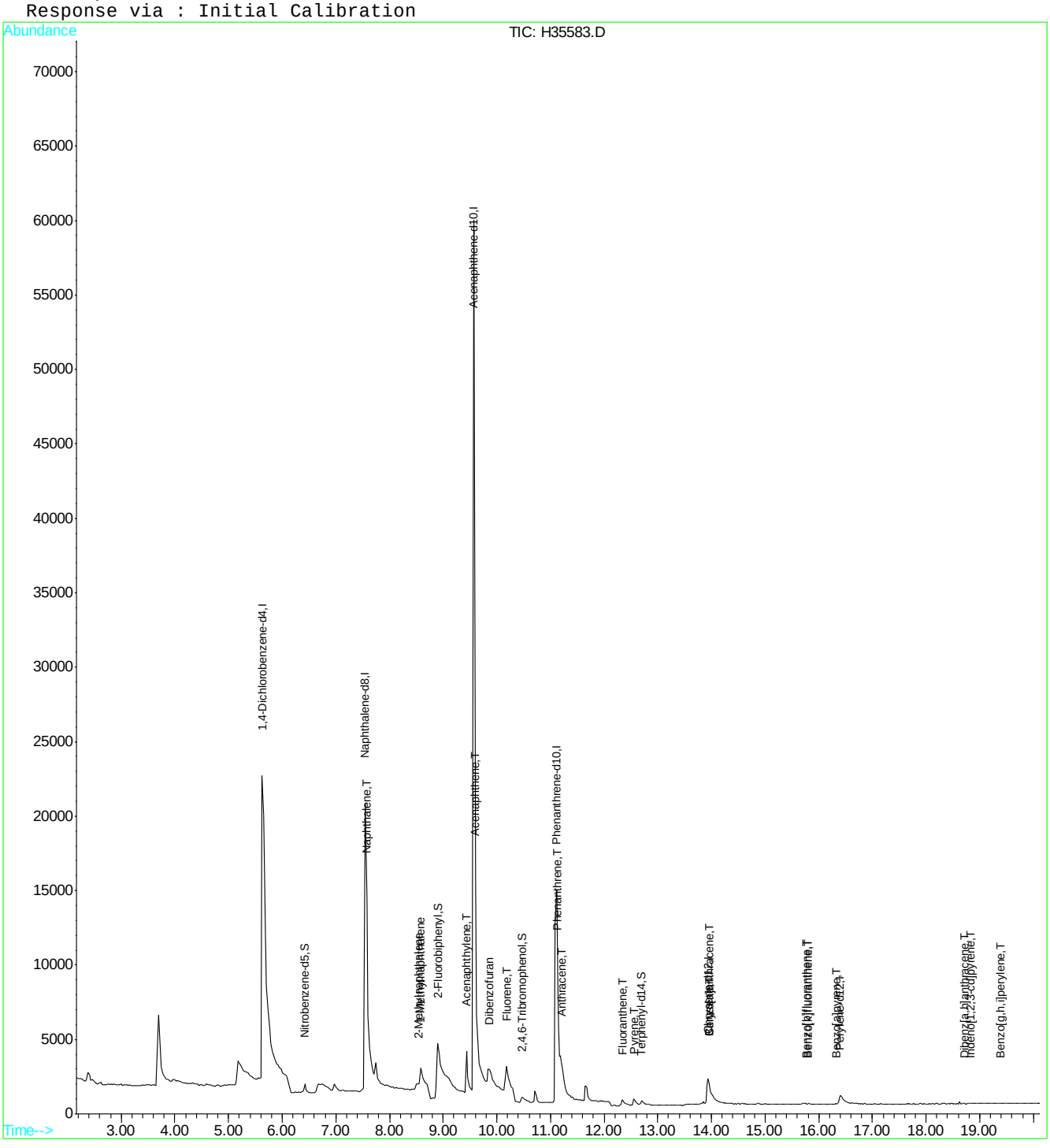
							Qvalue
6) Naphthalene	7.57	128	4750	0.14	ppb		95
7) 2-Methylnaphthalene	8.55	142	1205m	0.06	ppb		
8) 1-Methylnaphthalene	8.58	142	3921m	0.12	ppb		
11) Acenaphthylene	9.44	152	5491	0.16	ppb		92
12) Acenaphthene	9.60	153	5259	0.17	ppb		89
13) Dibenzofuran	9.87	168	5741	0.15	ppb	#	92
14) Fluorene	10.19	166	2903	0.14	ppb		89
18) Phenanthrene	11.13	178	3950m	0.16	ppb		
19) Anthracene	11.21	178	5407	0.19	ppb		92
20) Fluoranthene	12.34	202	1466	0.11	ppb		98
22) Pyrene	12.56	202	1787	0.15	ppb		100
24) Benzo[a]anthracene	13.95	228	287m	0.15	ppb		
25) Chrysene	13.95	228	561m	0.18	ppb		
27) Benzo[b]fluoranthene	15.76	252	207m	0.21	ppb		
28) Benzo[k]fluoranthene	15.79	252	123m	0.08	ppb		
29) Benzo[a]pyrene	16.33	252	77	0.06	ppb	#	56
30) Indeno[1,2,3-cd]pyrene	18.82	276	48	0.06	ppb	#	45
31) Dibenz[a,h]anthracene	18.72	278	18	0.03	ppb	#	1
32) Benzo[g,h,i]perylene	19.39	276	43	0.06	ppb	#	1

(#) = qualifier out of range (m) = manual integration
H35583.D H10239SP.M Tue Oct 27 15:21:18 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: H10239SP.RES

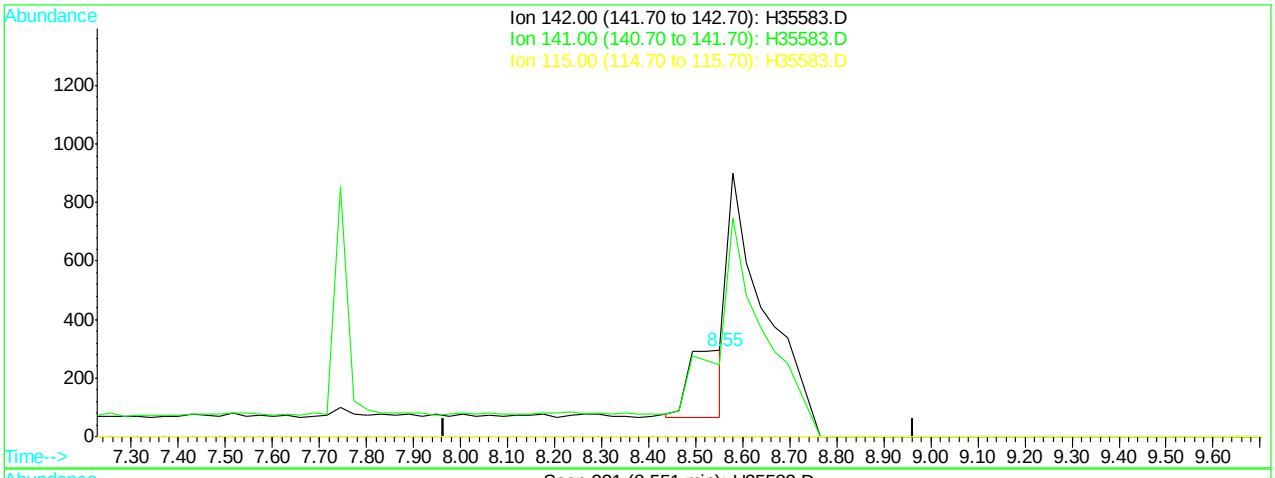
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

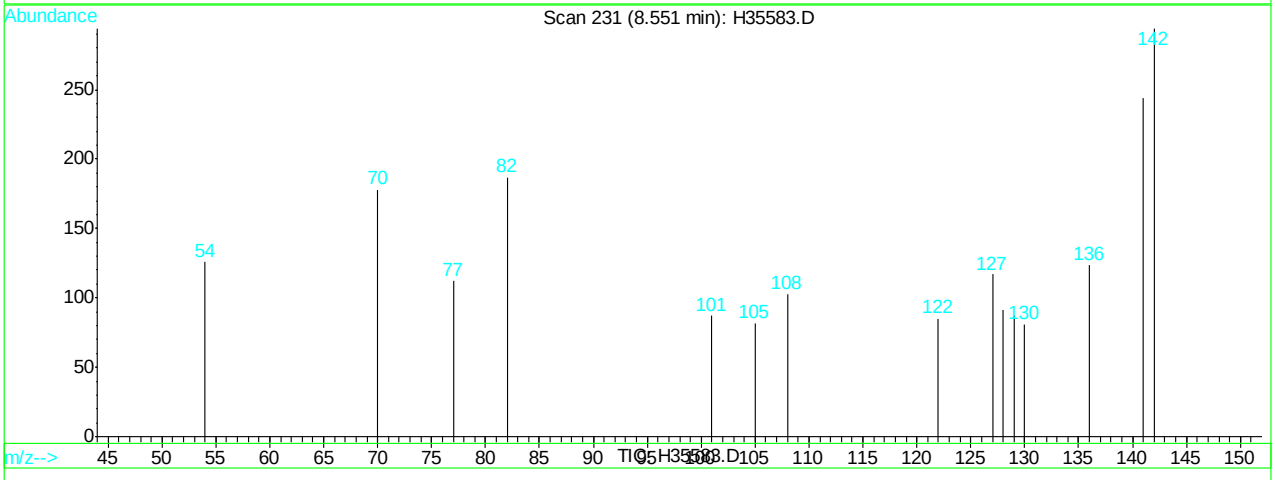


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.55min 0.06ppb m

response 1205

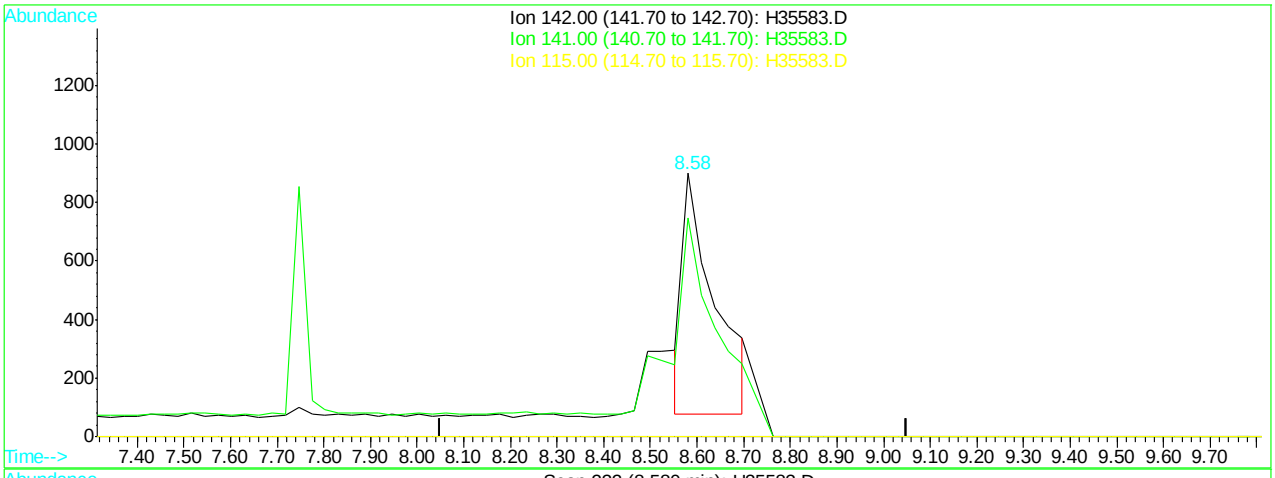
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	483.07#
115.00	0.00	0.00
0.00	0.00	0.00

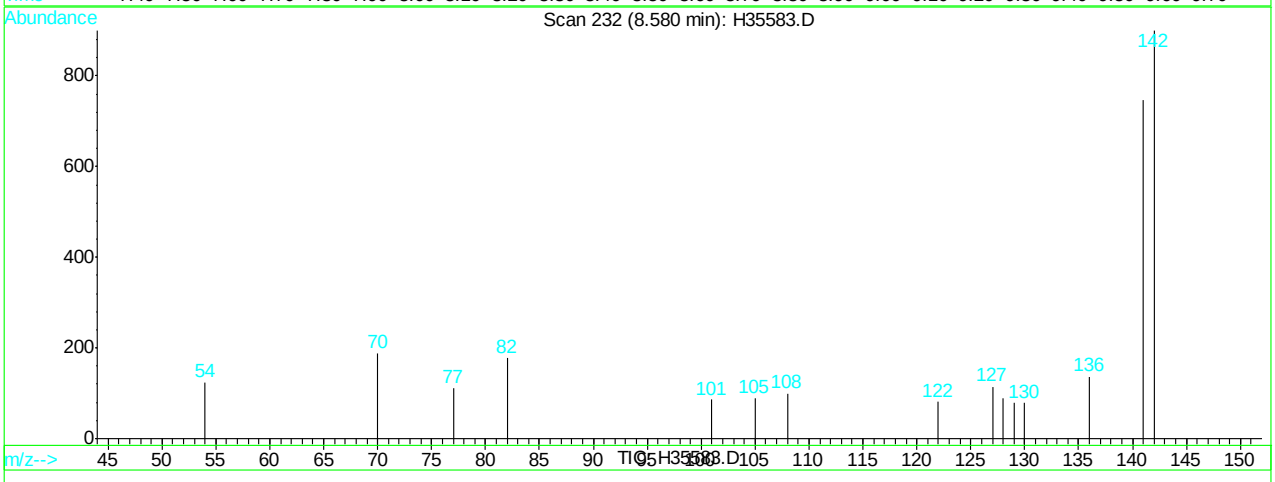
H35583.D H10239SP.M Tue Oct 27 15:21:40 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(8) 1-Methylnaphthalene

8.58min 0.12ppb m

response 3921

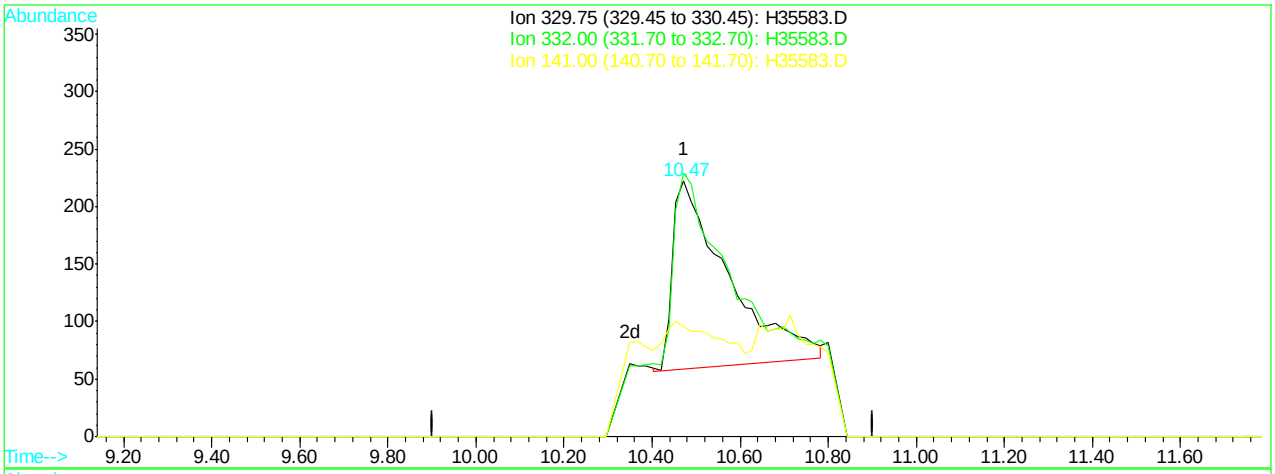
Ion	Exp%	Act%
142.00	100	100
141.00	135.10	148.46
115.00	0.00	0.00
0.00	0.00	0.00

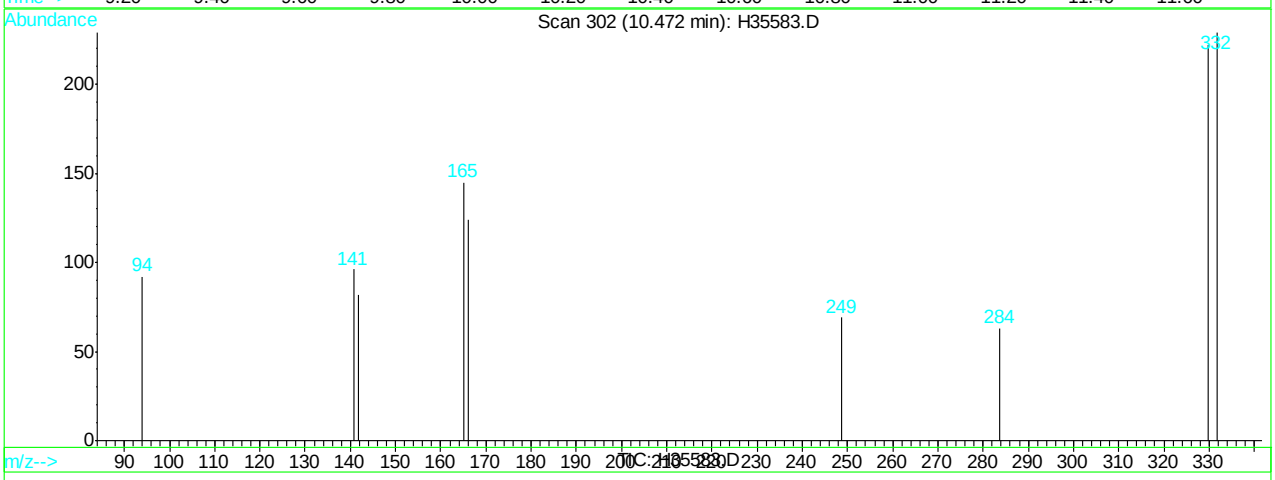
H35583.D H10239SP.M Tue Oct 27 15:21:43 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(16) 2,4,6-Tribromophenol (S)

10.47min 0.92ppb m

response 1445

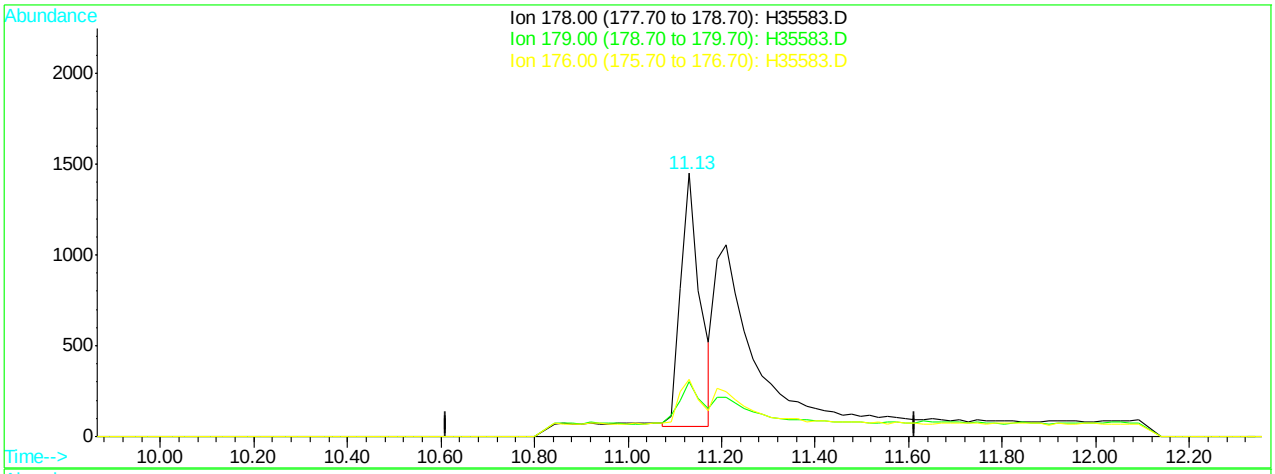
Ion	Exp%	Act%
329.75	100	100
332.00	97.50	256.61#
141.00	15.60	75.50#
0.00	0.00	0.00

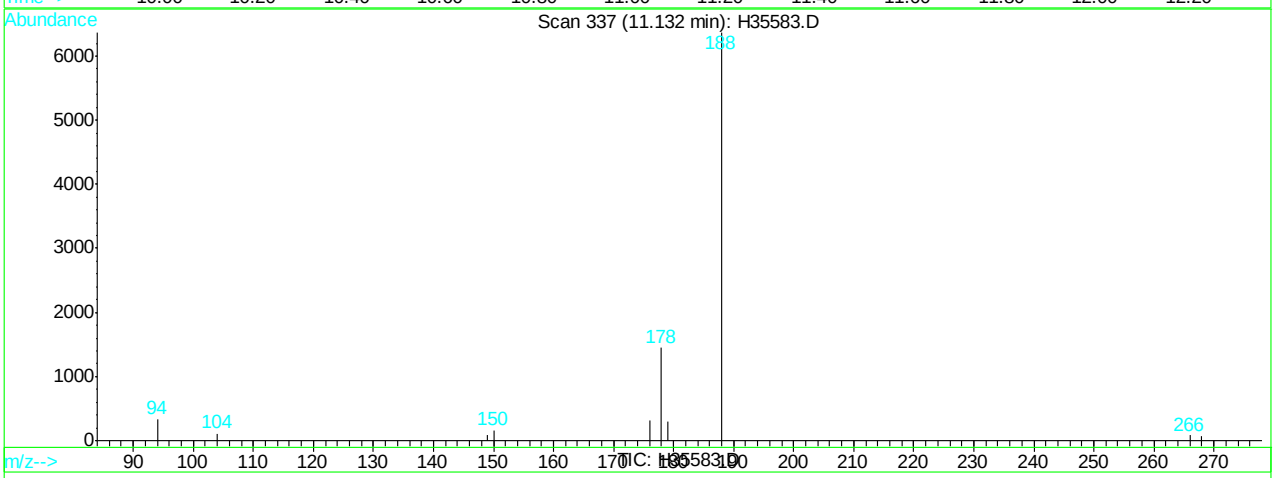
H35583.D H10239SP.M Tue Oct 27 15:21:48 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.13min 0.16ppb m

response 3950

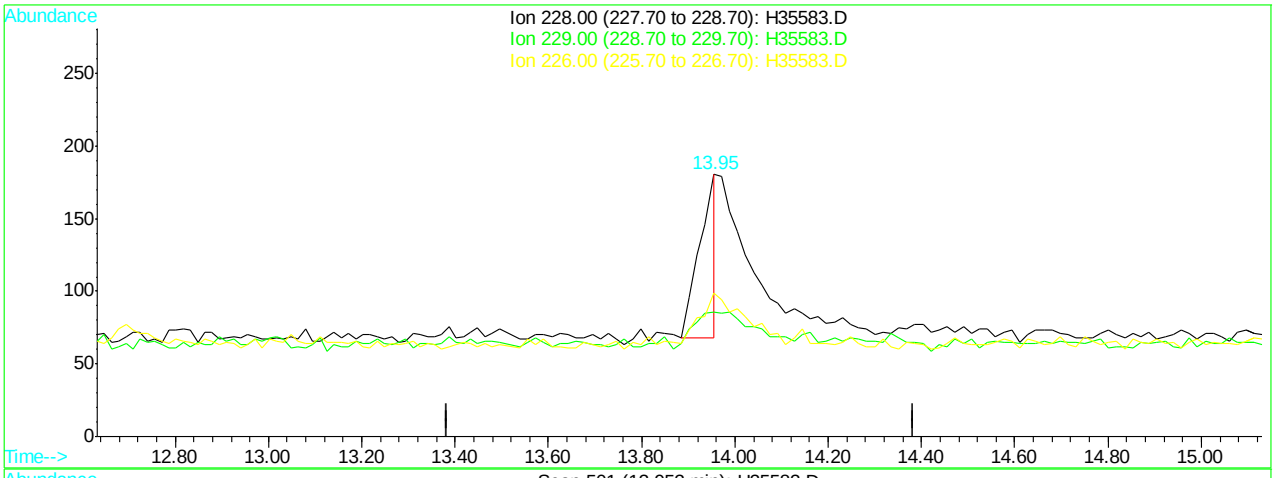
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	20.98#
176.00	24.90	21.88
0.00	0.00	0.00

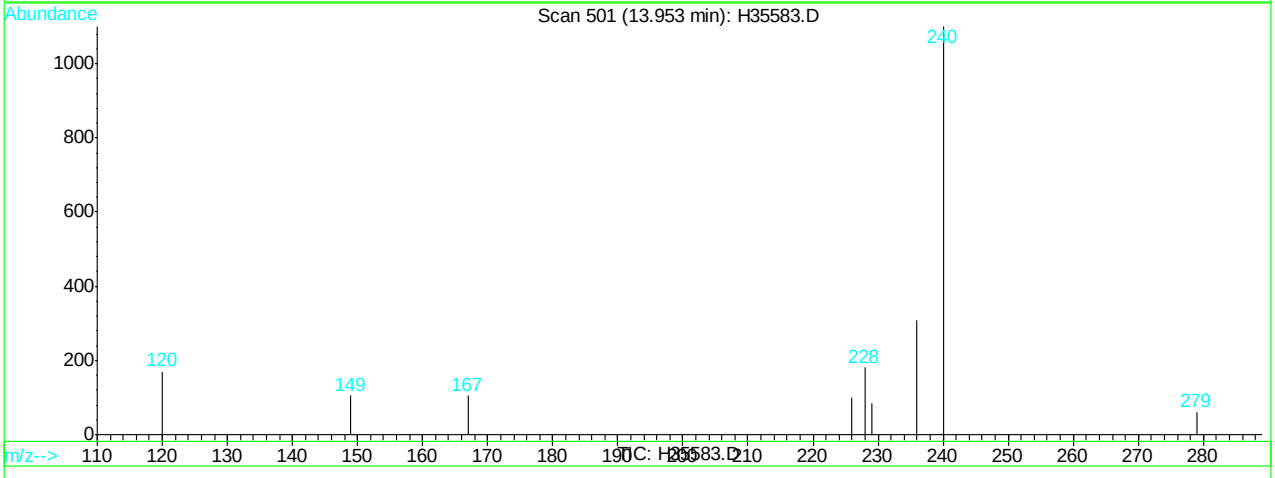
H35583.D H10239SP.M Tue Oct 27 15:21:54 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.95min 0.15ppb m

response 287

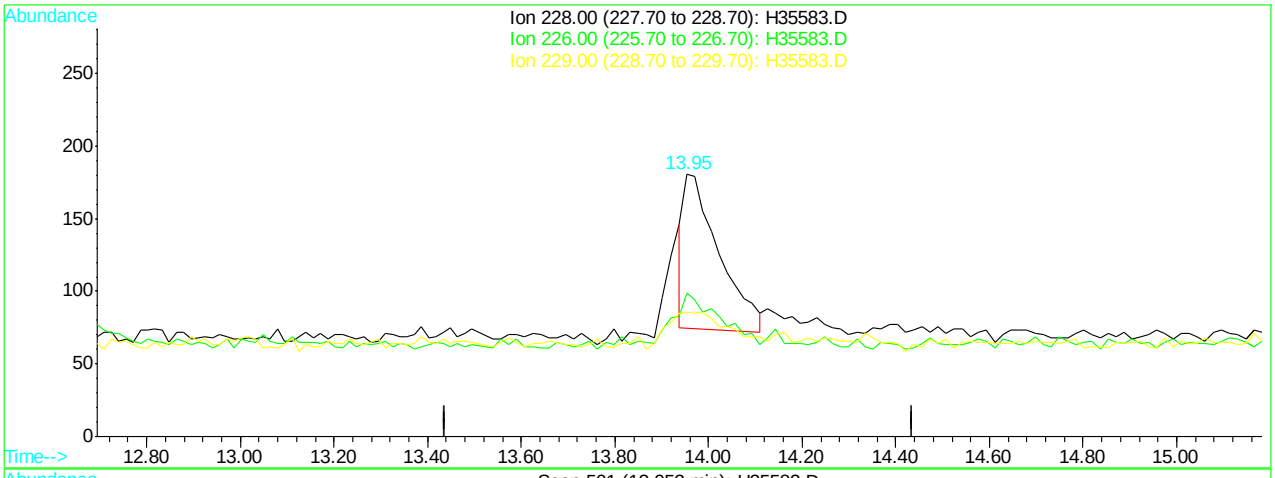
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	47.51#
226.00	27.40	54.70#
0.00	0.00	0.00

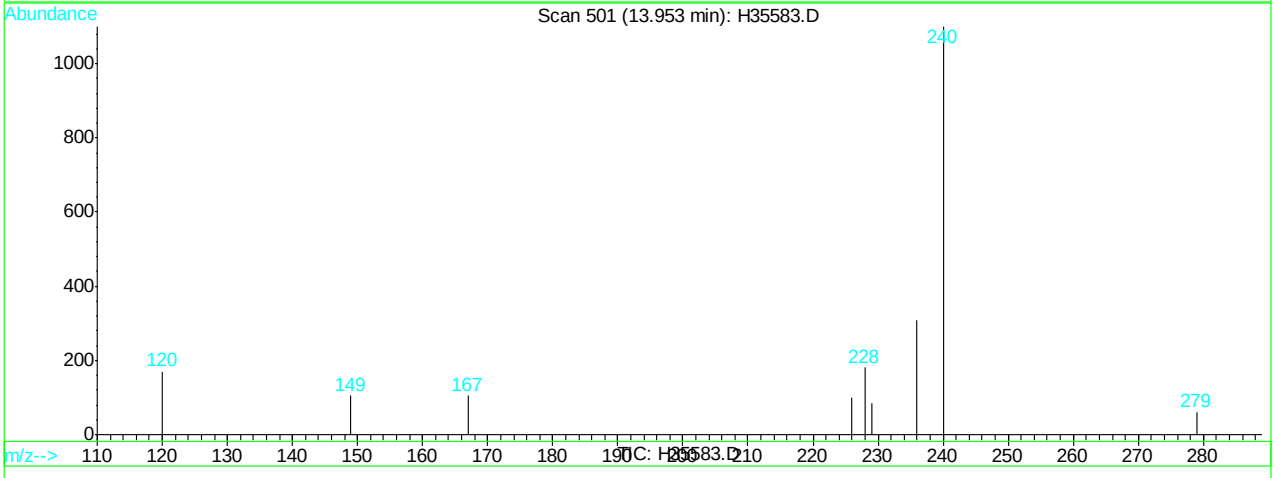
H35583.D H10239SP.M Tue Oct 27 15:21:59 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.95min 0.18ppb m

response 561

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	54.70#
229.00	20.20	47.51#
0.00	0.00	0.00

H35583.D H10239SP.M Tue Oct 27 15:22:03 2009

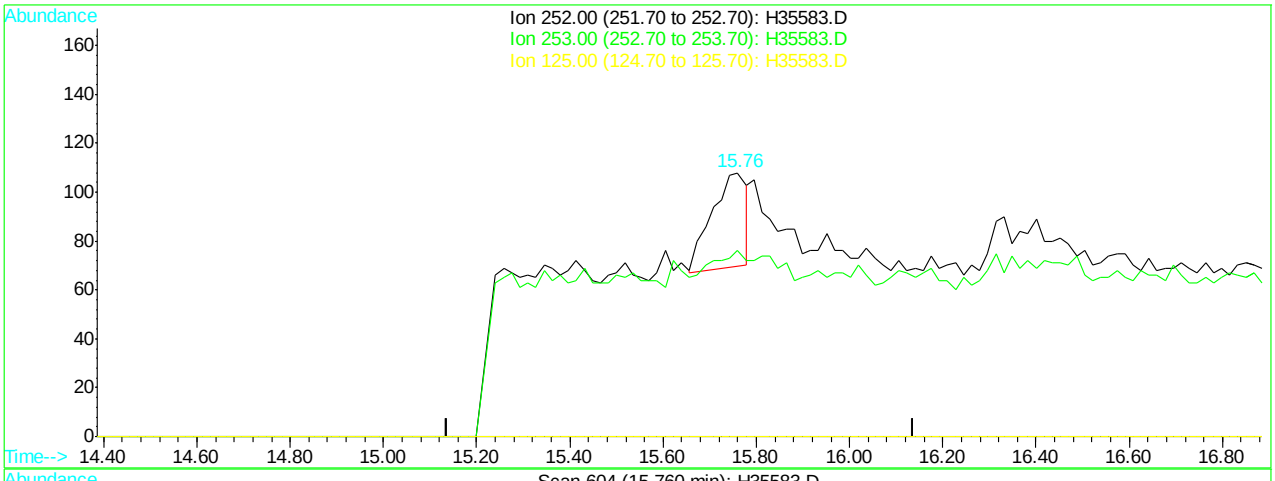
8.6.18.6

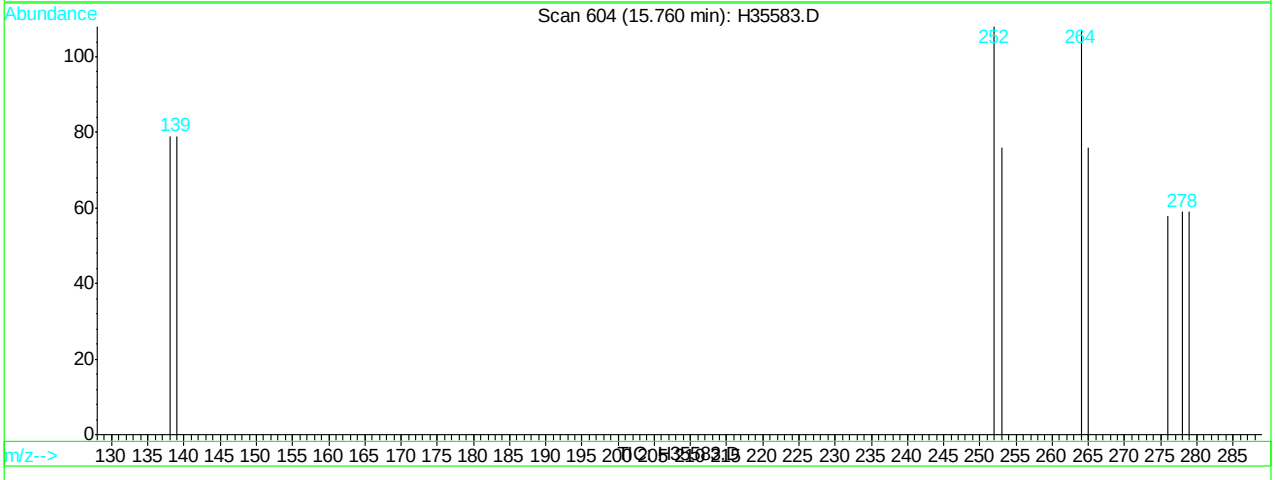
8

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.76min 0.21ppb m

response 207

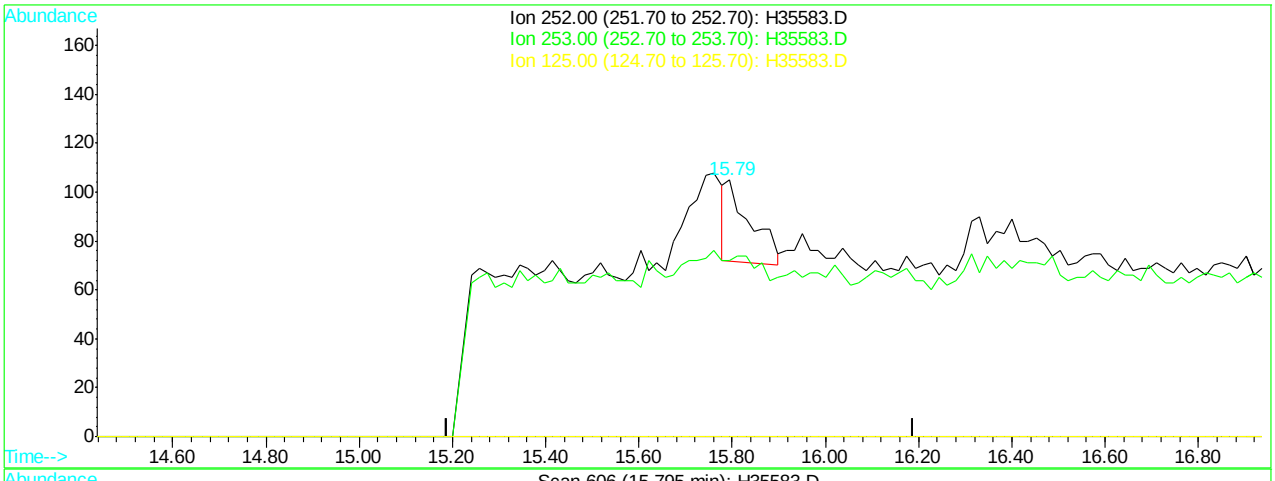
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	70.37#
125.00	0.00	0.00
0.00	0.00	0.00

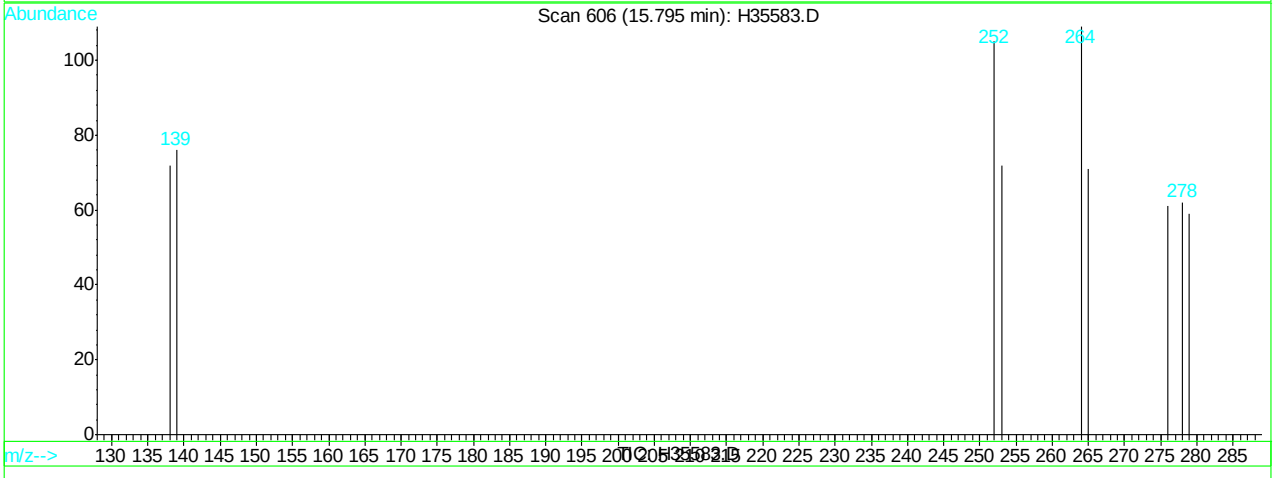
H35583.D H10239SP.M Tue Oct 27 15:22:07 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35583.D Vial: 5
Acq On : 23 Oct 2009 12:40 pm Operator: sheilac
Sample : ic1920-0.2 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:01 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.79min 0.08ppb m

response 123

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	68.57#
125.00	0.00	0.00
0.00	0.00	0.00

H35583.D H10239SP.M Tue Oct 27 15:22:12 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	102874	4.00	ppb	-0.03
4) Naphthalene-d8	7.54	136	94728	4.00	ppb	-0.03
9) Acenaphthene-d10	9.57	164	73734	4.00	ppb	0.00
15) Phenanthrene-d10	11.09	188	85223	4.00	ppb	0.00
21) Chrysene-d12	13.90	240	10579	4.00	ppb	0.00
26) Perylene-d12	16.38	264	3626	4.00	ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	83261	12.98	ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery = 259.60%#			
10) 2-Fluorobiphenyl	8.87	172	986966	16.59	ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery = 331.80%#			
16) 2,4,6-Tribromophenol	10.40	330	179757	68.76	ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery = 687.60%#			
23) Terphenyl-d14	12.66	244	85395	32.41	ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery = 648.20%#			

Target Compounds

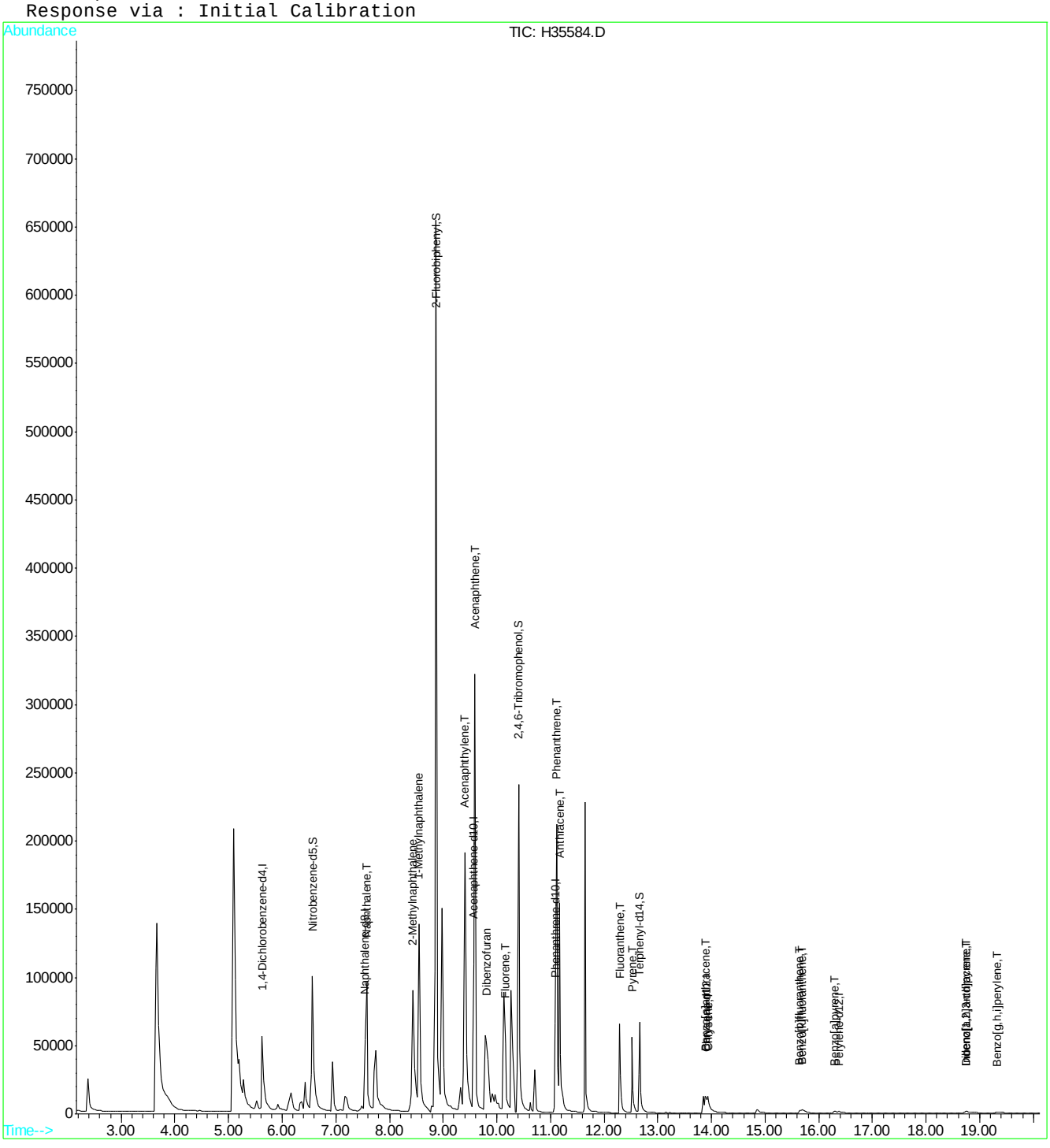
							Qvalue
6) Naphthalene	7.57	128	131910	2.67	ppb	#	90
7) 2-Methylnaphthalene	8.44	142	150782	5.31	ppb	#	100
8) 1-Methylnaphthalene	8.55	142	198968	3.99	ppb	#	53
11) Acenaphthylene	9.41	152	254664m	5.23	ppb		
12) Acenaphthene	9.59	153	211244	4.78	ppb	#	74
13) Dibenzofuran	9.81	168	121389	2.27	ppb		87
14) Fluorene	10.16	166	83315	2.90	ppb		94
18) Phenanthrene	11.11	178	208638	5.20	ppb	#	87
19) Anthracene	11.17	178	202396	4.37	ppb	#	86
20) Fluoranthene	12.29	202	105299	4.71	ppb		97
22) Pyrene	12.52	202	100235m	5.74	ppb		
24) Benzo[a]anthracene	13.88	228	11718m	4.09	ppb		
25) Chrysene	13.94	228	26802m	5.69	ppb		
27) Benzo[b]fluoranthene	15.64	252	5387m	5.58	ppb		
28) Benzo[k]fluoranthene	15.69	252	11016m	6.96	ppb		
29) Benzo[a]pyrene	16.30	252	6594	5.48	ppb		98
30) Indeno[1,2,3-cd]pyrene	18.75	276	4576	5.89	ppb		94
31) Dibenz[a,h]anthracene	18.75	278	3080	4.92	ppb		96
32) Benzo[g,h,i]perylene	19.32	276	3995	5.38	ppb		90

(#) = qualifier out of range (m) = manual integration
H35584.D H10239SP.M Tue Oct 27 15:22:23 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: H10239SP.RES

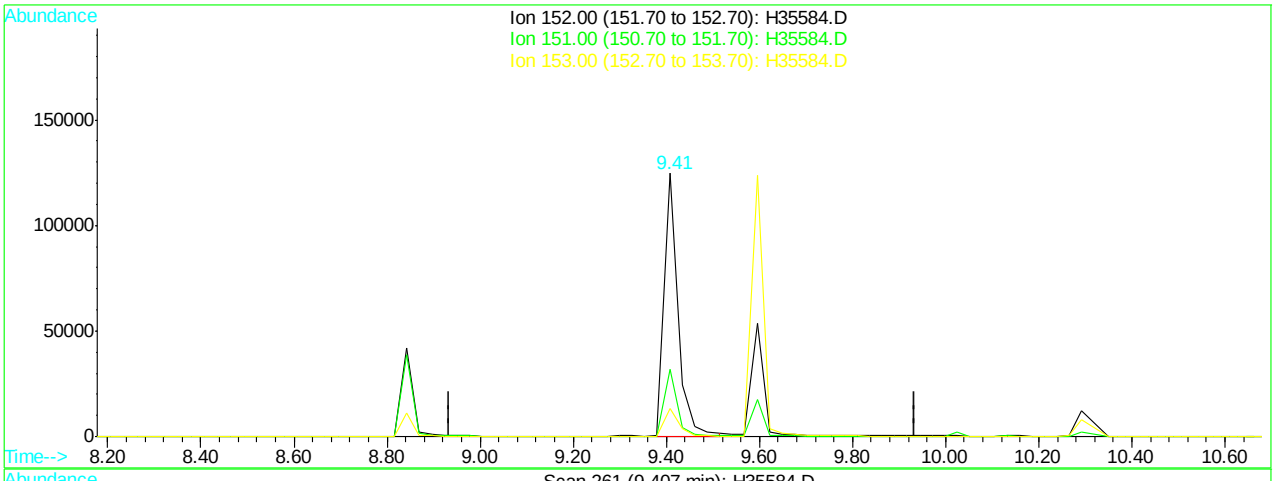
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

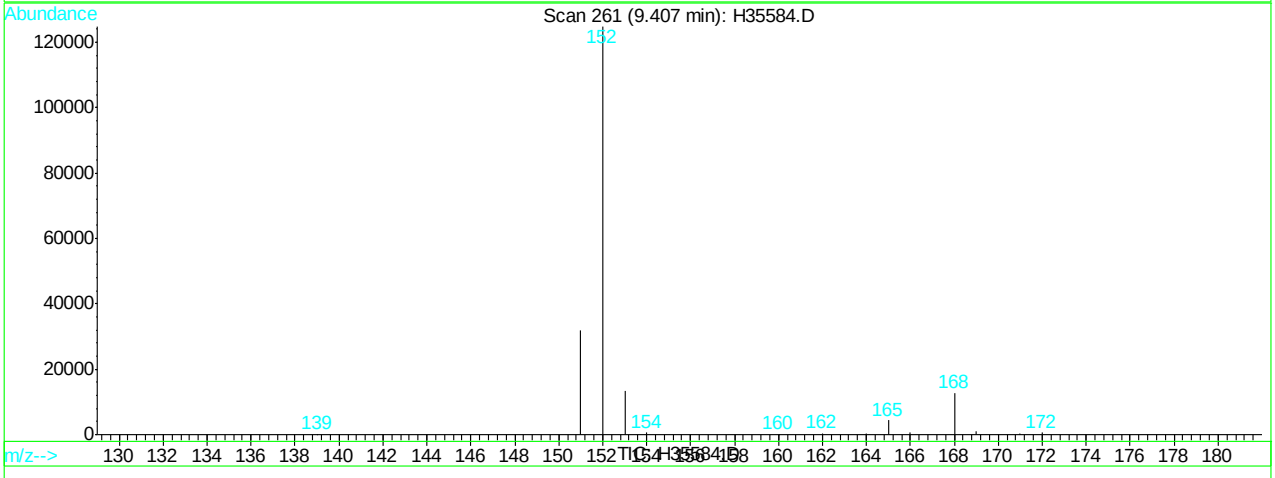


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(11) Acenaphthylene (T)

9.41min 5.23ppb m

response 254664

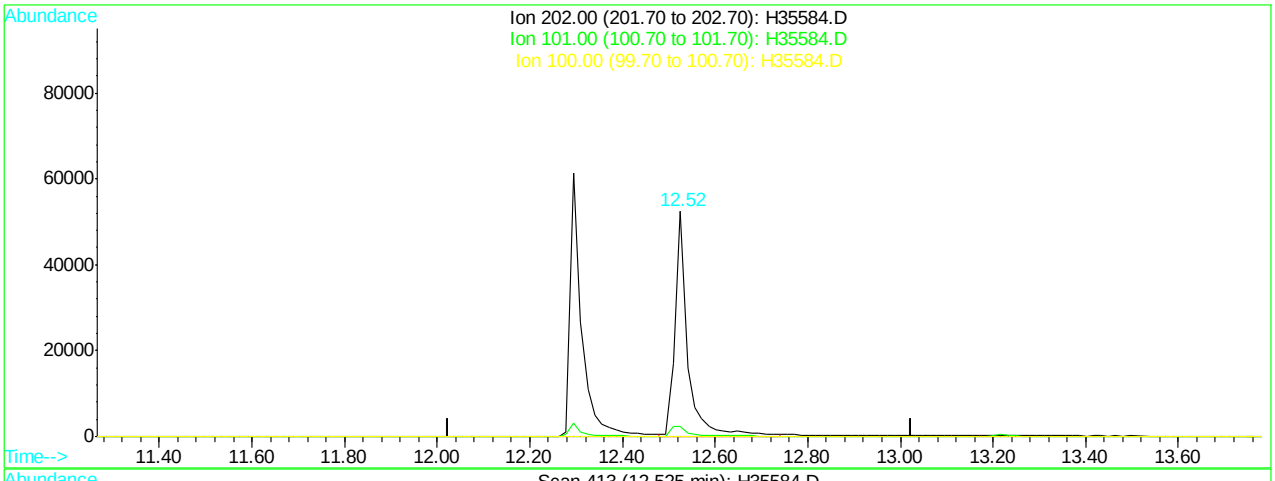
Ion	Exp%	Act%
152.00	100	100
151.00	18.20	25.61#
153.00	15.60	10.85#
0.00	0.00	0.00

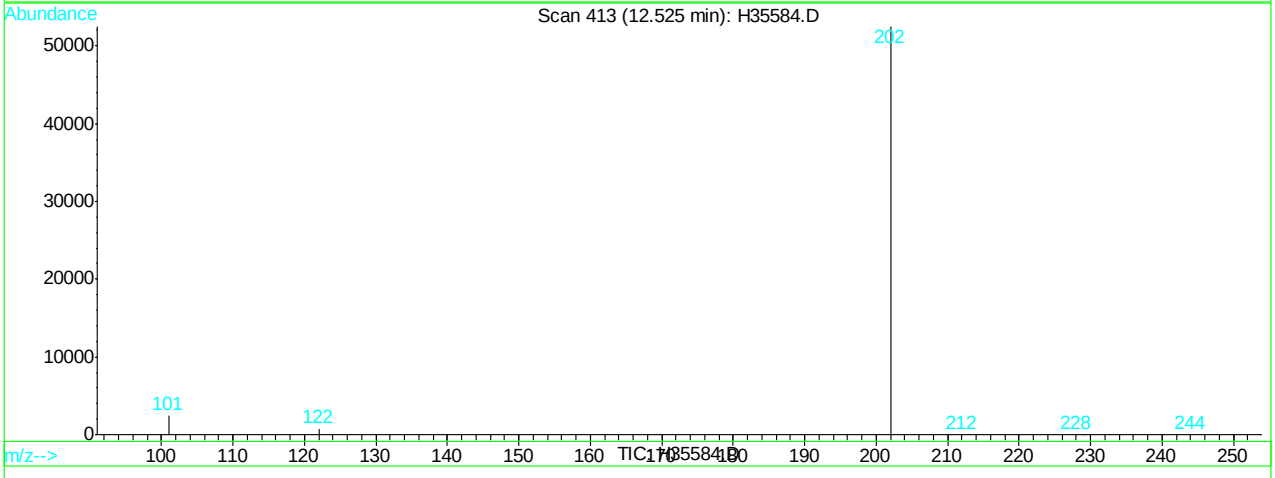
H35584.D H10239SP.M Tue Oct 27 15:23:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(22) Pyrene (T)

12.52min 5.74ppb m

response 100235

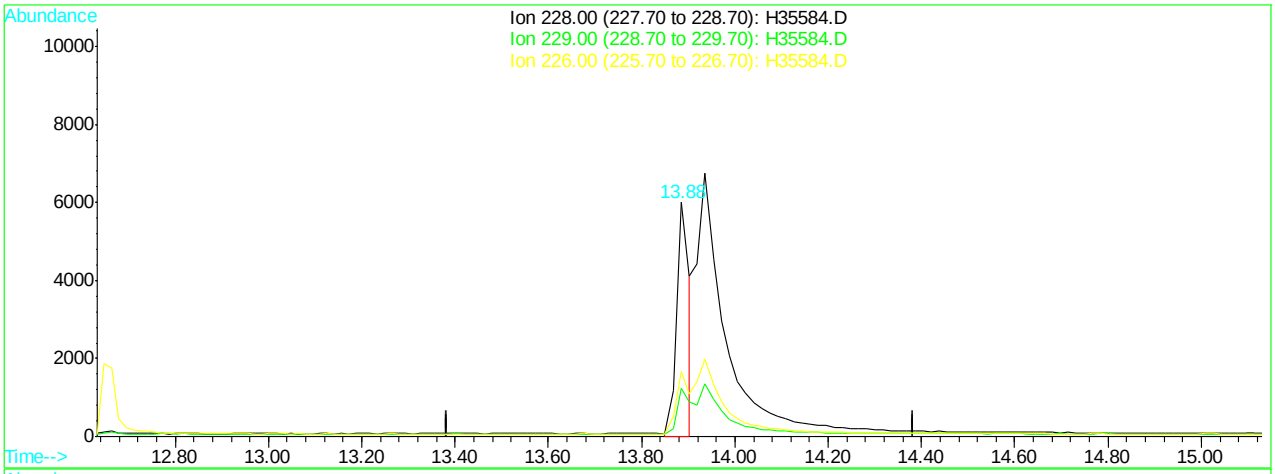
Ion	Exp%	Act%
202.00	100	100
101.00	6.80	4.74#
100.00	0.00	0.00
0.00	0.00	0.00

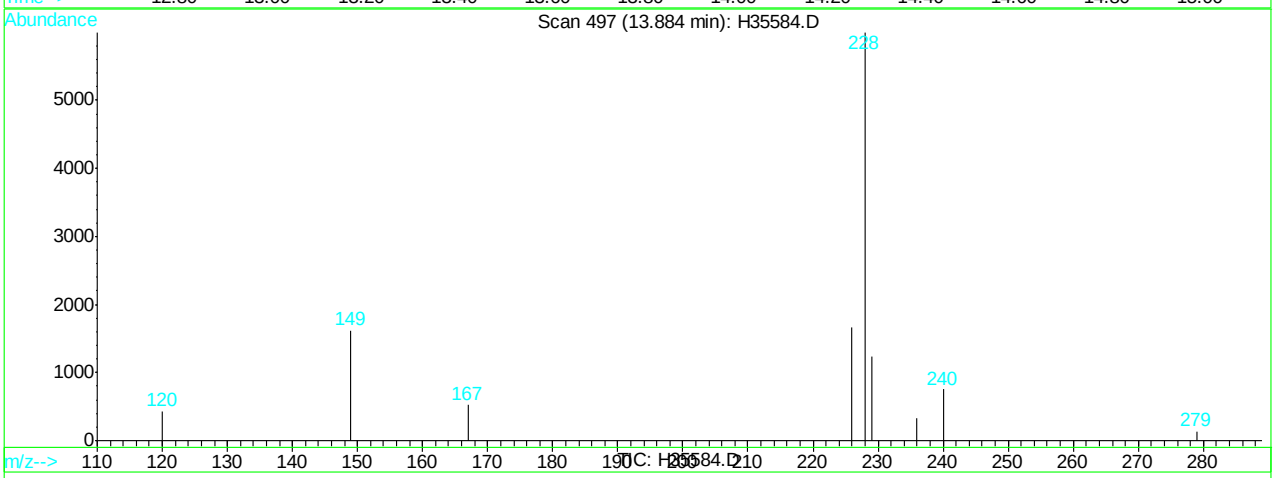
H35584.D H10239SP.M Tue Oct 27 15:23:22 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 4.09ppb m

response 11718

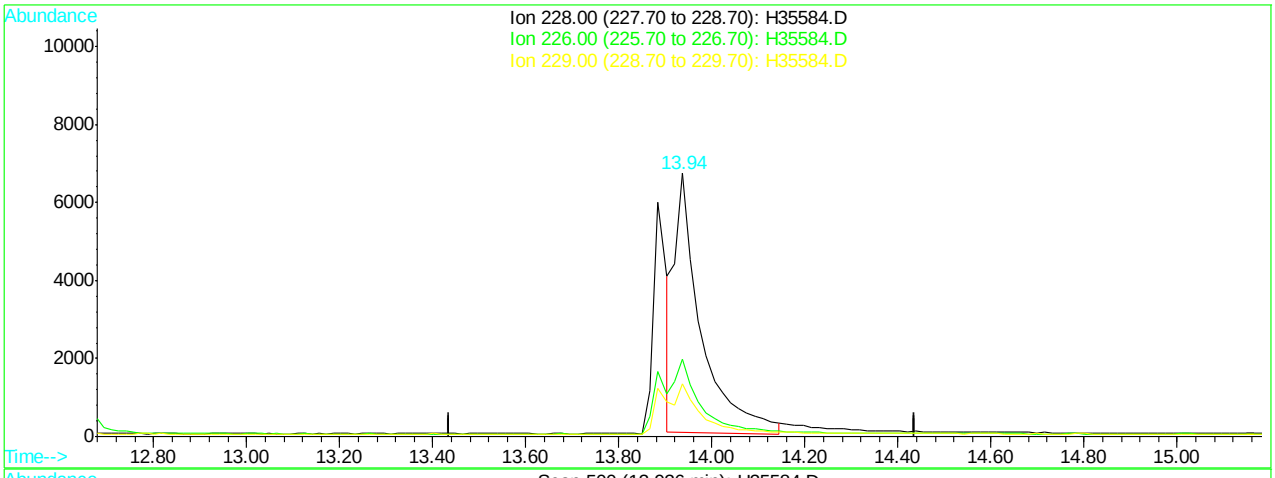
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.60
226.00	27.40	27.64
0.00	0.00	0.00

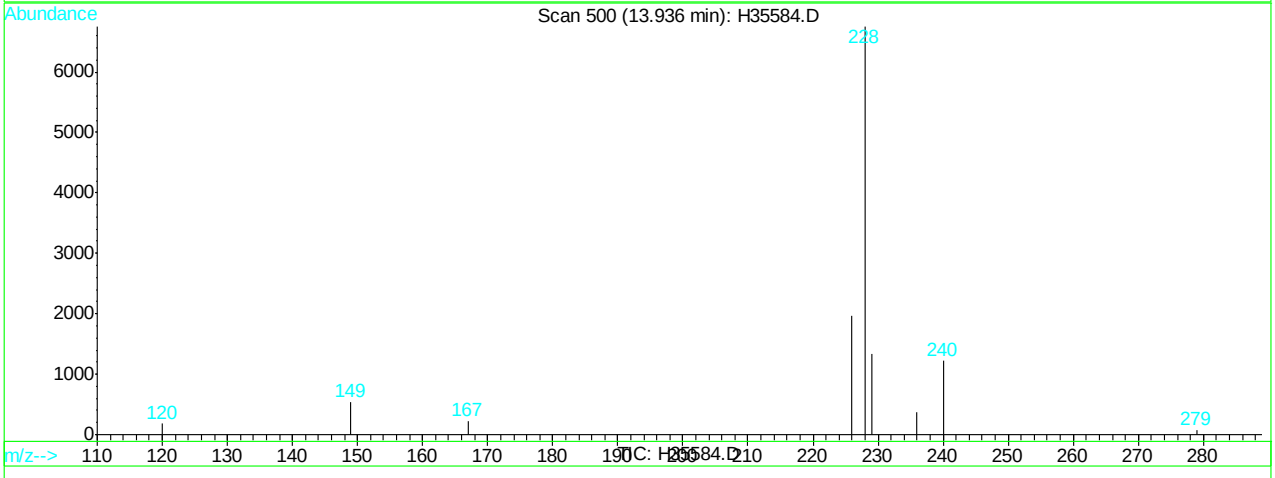
H35584.D H10239SP.M Tue Oct 27 15:23:25 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 5.69ppb m

response 26802

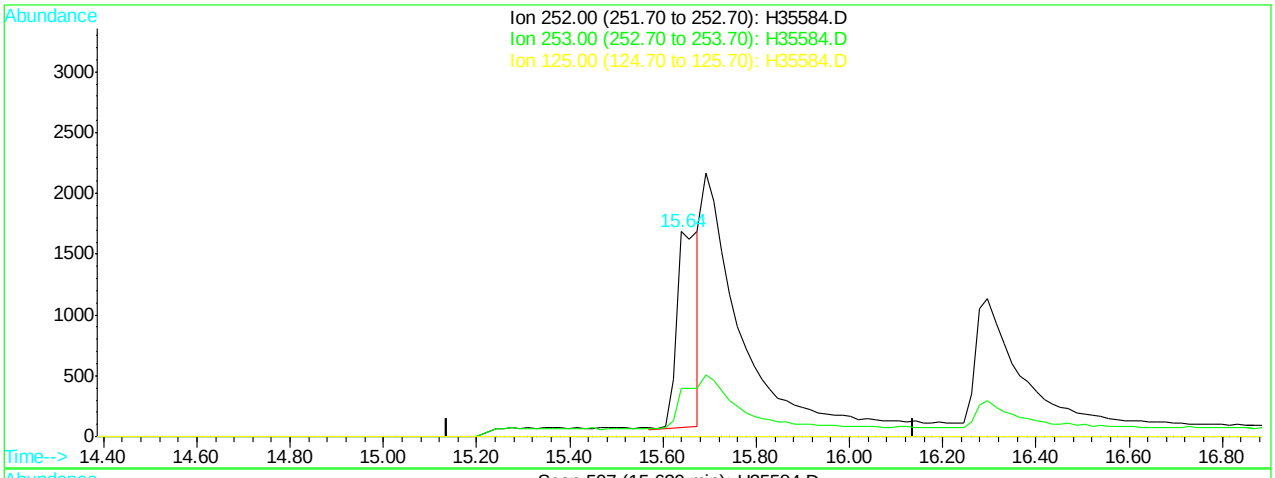
Ion	Exp%	Act%
228.00	100	100
226.00	30.10	29.24
229.00	20.20	19.92
0.00	0.00	0.00

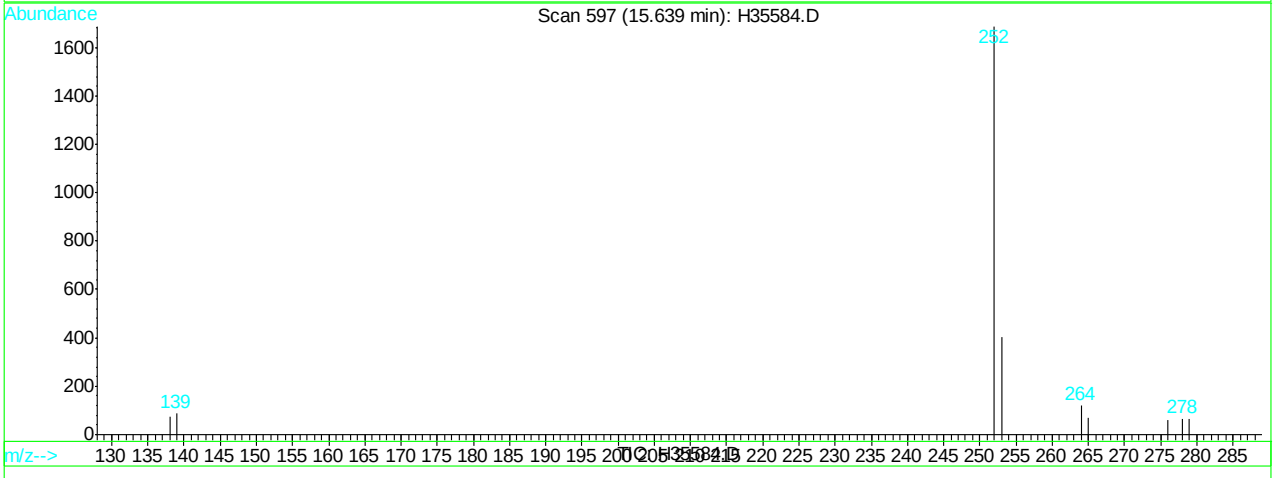
H35584.D H10239SP.M Tue Oct 27 15:23:29 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.64min 5.58ppb m

response 5387

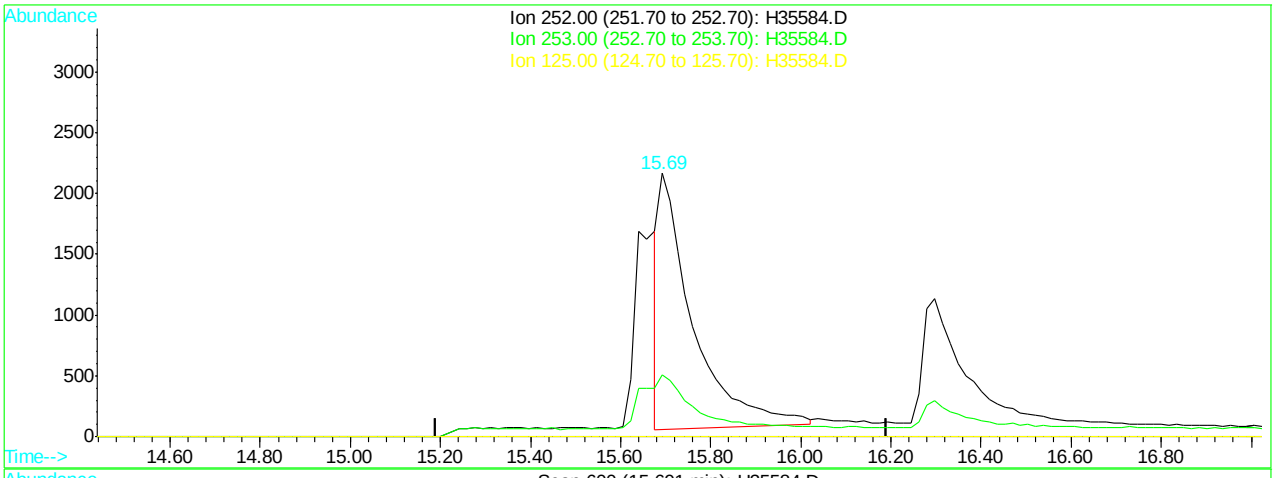
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	23.78
125.00	0.00	0.00
0.00	0.00	0.00

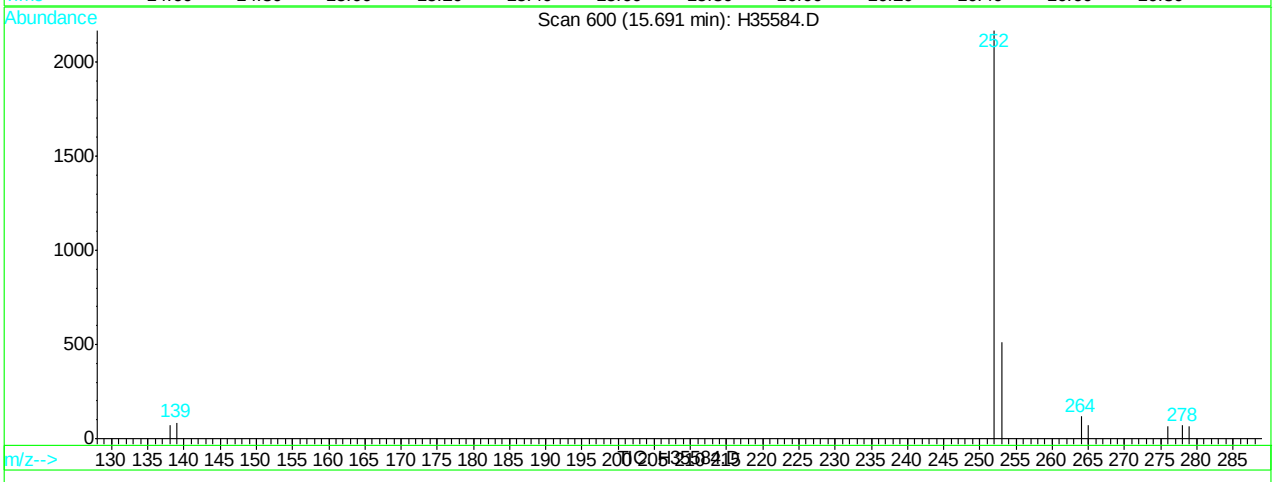
H35584.D H10239SP.M Tue Oct 27 15:23:34 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35584.D Vial: 6
Acq On : 23 Oct 2009 1:07 pm Operator: sheilac
Sample : ic1920-5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 14:02 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 6.96ppb m

response 11016

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.59
125.00	0.00	0.00
0.00	0.00	0.00

H35584.D H10239SP.M Tue Oct 27 15:23:38 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez 10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 13:17:49 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	112006	4.00 ppb	-0.03
4) Naphthalene-d8	7.54	136	102360	4.00 ppb	-0.03
9) Acenaphthene-d10	9.57	164	82651	4.00 ppb	0.00
15) Phenanthrene-d10	11.09	188	105276	4.00 ppb	0.00
21) Chrysene-d12	13.89	240	16336	4.00 ppb	-0.02
26) Perylene-d12	16.38	264	4933	4.00 ppb	0.02

System Monitoring Compounds

5) Nitrobenzene-d5	6.57	82	235956	34.03 ppb	0.00
Spiked Amount 5.000	Range 17 - 131		Recovery	= 680.60%#	
10) 2-Fluorobiphenyl	8.87	172	2949666	44.22 ppb	0.00
Spiked Amount 5.000	Range 15 - 137		Recovery	= 884.40%#	
16) 2,4,6-Tribromophenol	10.40	330	383317	118.70 ppb	0.00
Spiked Amount 10.000	Range 10 - 123		Recovery	= 1187.00%#	
23) Terphenyl-d14	12.66	244	303763	74.65 ppb	0.00
Spiked Amount 5.000	Range 10 - 160		Recovery	= 1493.00%#	

Target Compounds

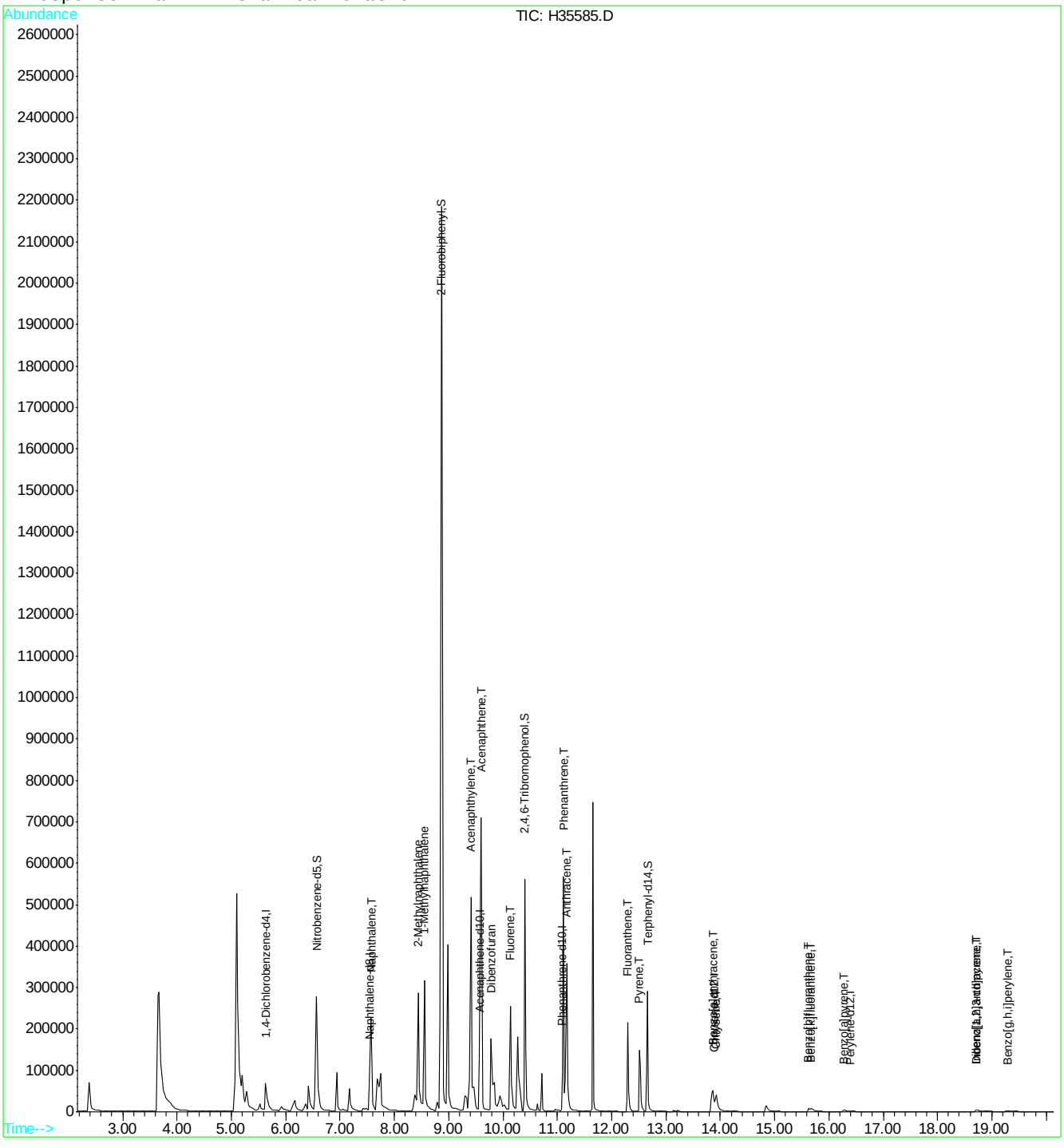
						Qvalue
6) Naphthalene	7.57	128	302375	5.67 ppb	#	90
7) 2-Methylnaphthalene	8.44	142	335058m	10.93 ppb		
8) 1-Methylnaphthalene	8.55	142	425662	7.90 ppb	#	52
11) Acenaphthylene	9.41	152	655028	11.99 ppb		89
12) Acenaphthene	9.60	153	462765	9.34 ppb		79
13) Dibenzofuran	9.78	168	275766	4.59 ppb		92
14) Fluorene	10.13	166	178801	5.56 ppb	#	25
18) Phenanthrene	11.11	178	505519m	10.20 ppb		
19) Anthracene	11.17	178	449171m	7.84 ppb		
20) Fluoranthene	12.29	202	280666	10.16 ppb		99
22) Pyrene	12.51	202	263134	9.76 ppb		95
24) Benzo[a]anthracene	13.87	228	54461	12.30 ppb		99
25) Chrysene	13.92	228	67822	9.33 ppb		98
27) Benzo[b]fluoranthene	15.62	252	13485m	10.27 ppb		
28) Benzo[k]fluoranthene	15.67	252	32938m	15.29 ppb		
29) Benzo[a]pyrene	16.28	252	19471	11.90 ppb		99
30) Indeno[1,2,3-cd]pyrene	18.72	276	12883	12.19 ppb		100
31) Dibenz[a,h]anthracene	18.72	278	9048	10.63 ppb		100
32) Benzo[g,h,i]perylene	19.29	276	10366	10.25 ppb		97

(#) = qualifier out of range (m) = manual integration
H35585.D H10239SP.M Tue Oct 27 15:23:46 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: H10239SP.RES

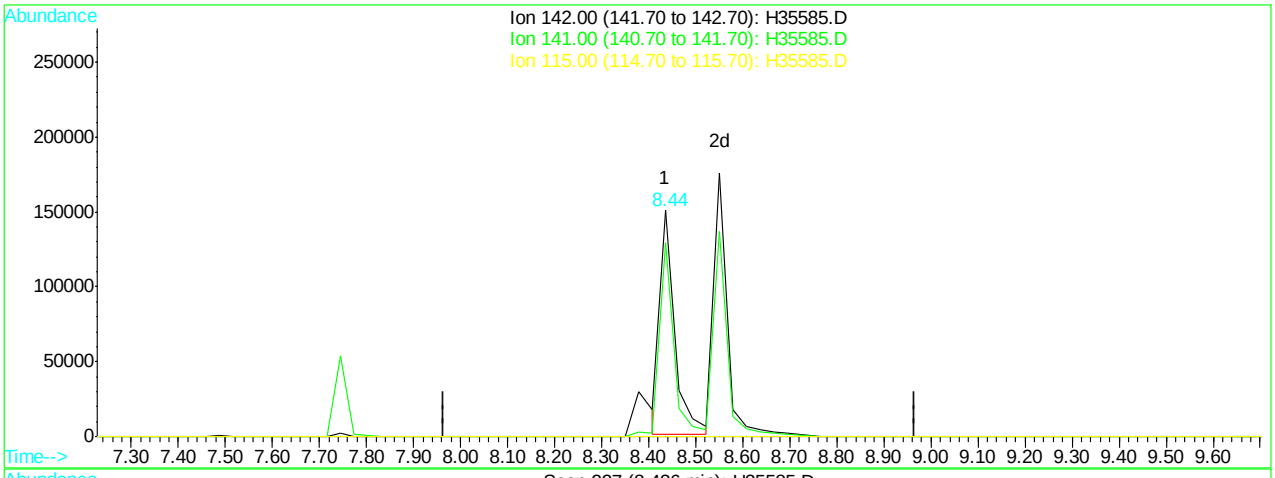
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

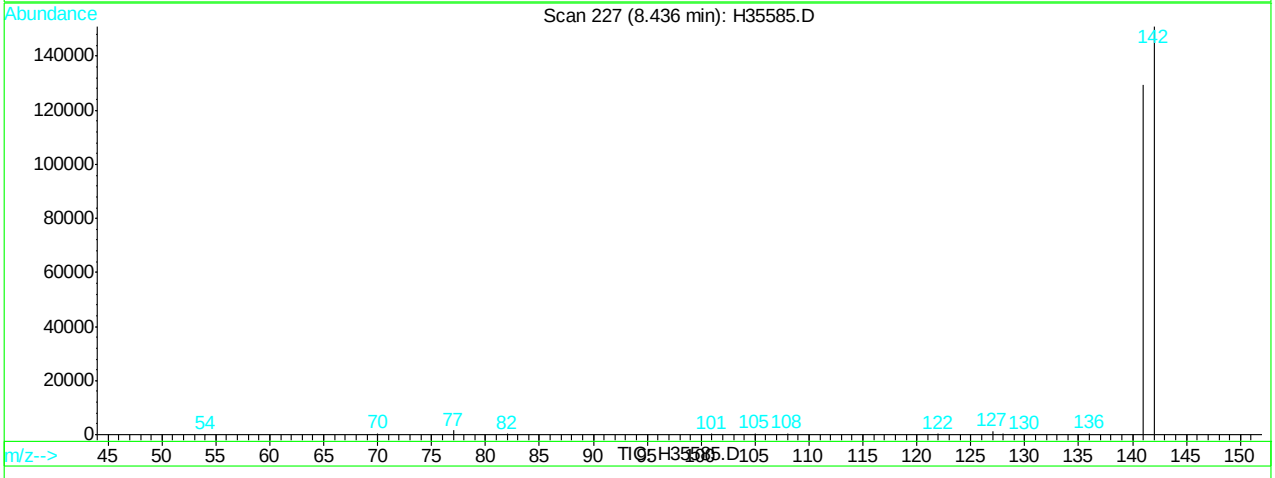


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(7) 2-Methylnaphthalene

8.44min 10.93ppb m

response 335058

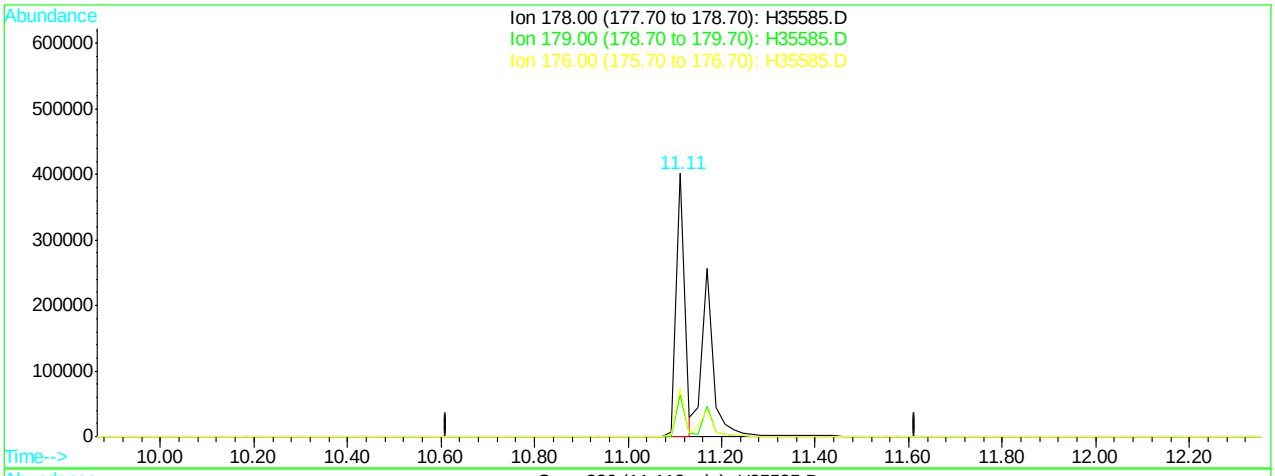
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	84.40#
115.00	0.00	0.00
0.00	0.00	0.00

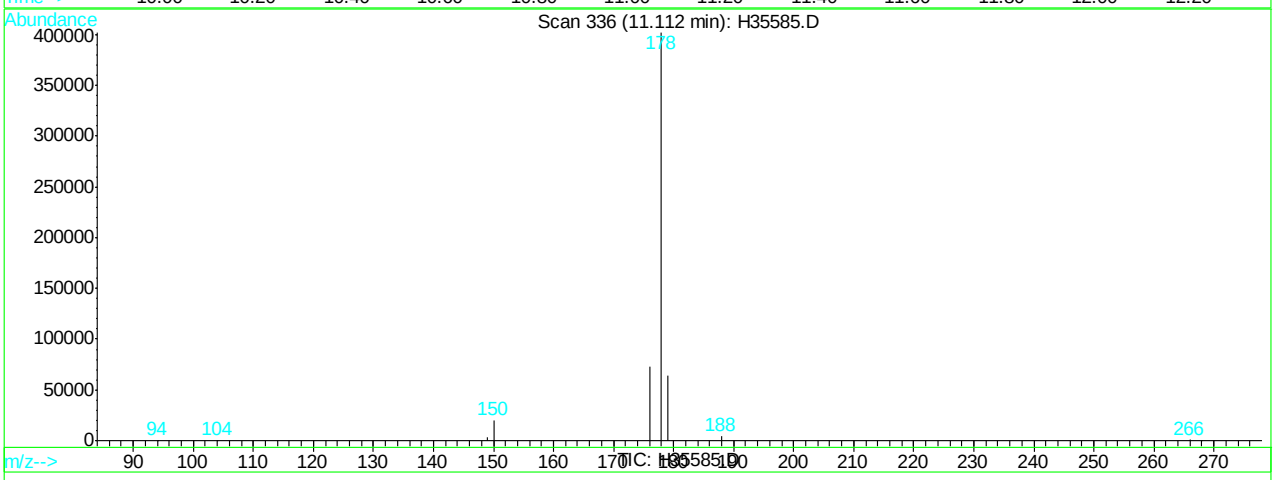
H35585.D H10239SP.M Tue Oct 27 15:24:09 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(18) Phenanthrene (T)

11.11min 10.20ppb m

response 505519

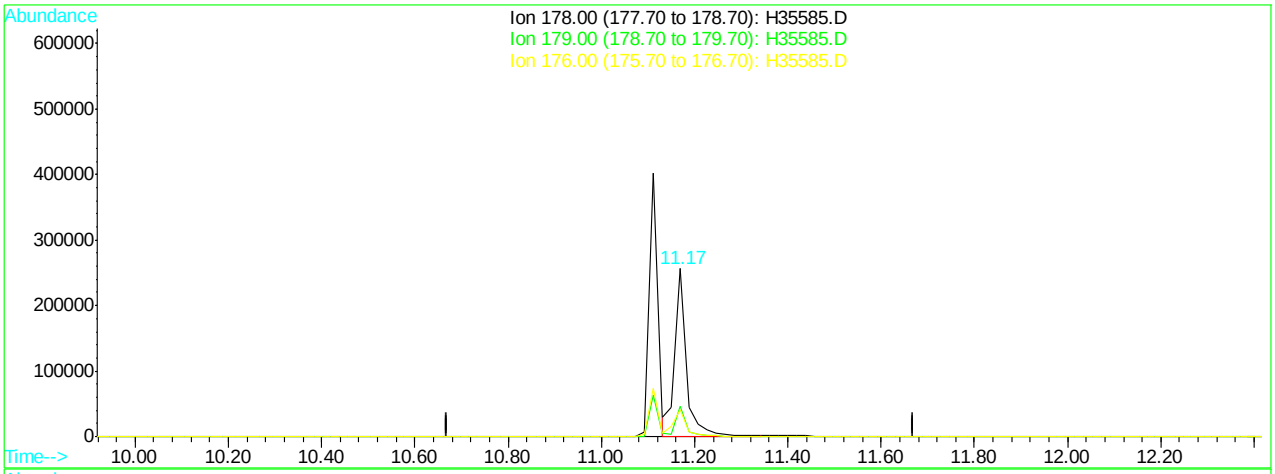
Ion	Exp%	Act%
178.00	100	100
179.00	11.60	15.88#
176.00	24.90	18.19
0.00	0.00	0.00

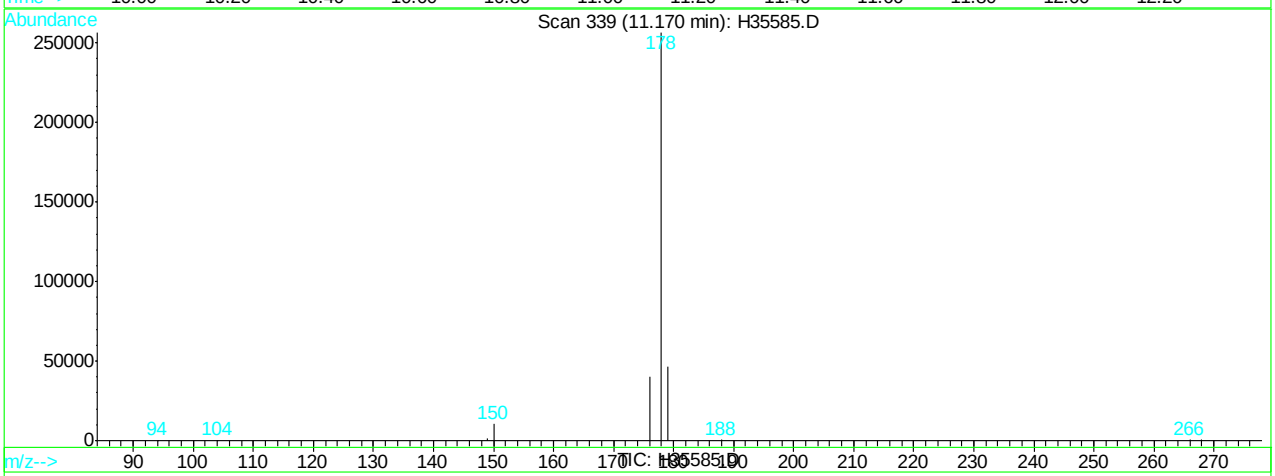
H35585.D H10239SP.M Tue Oct 27 15:24:13 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(19) Anthracene (T)

11.17min 7.84ppb m

response 449171

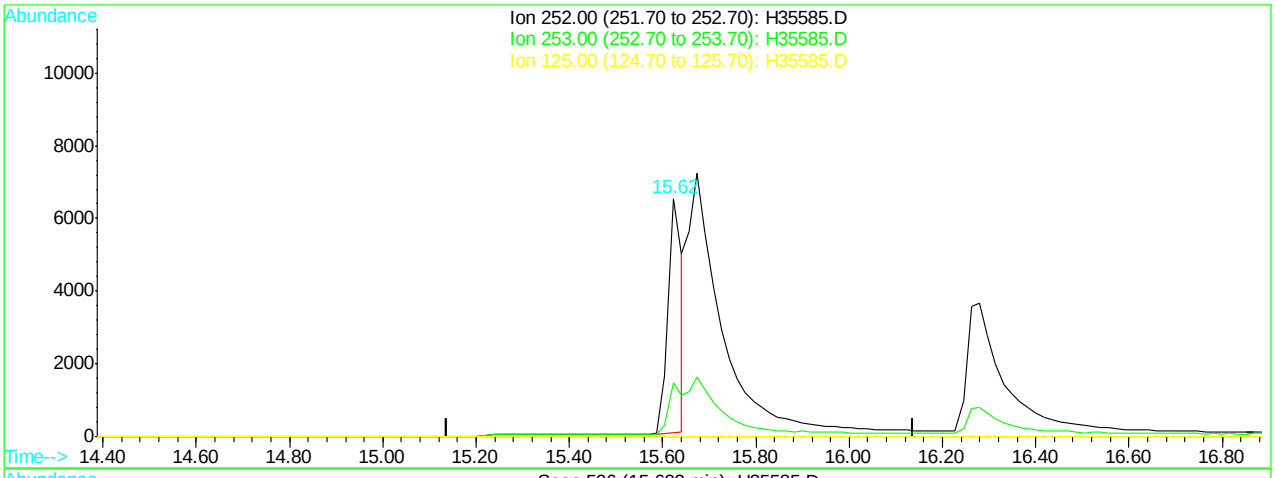
Ion	Exp%	Act%
178.00	100	100
179.00	12.00	18.26#
176.00	23.40	15.79#
0.00	0.00	0.00

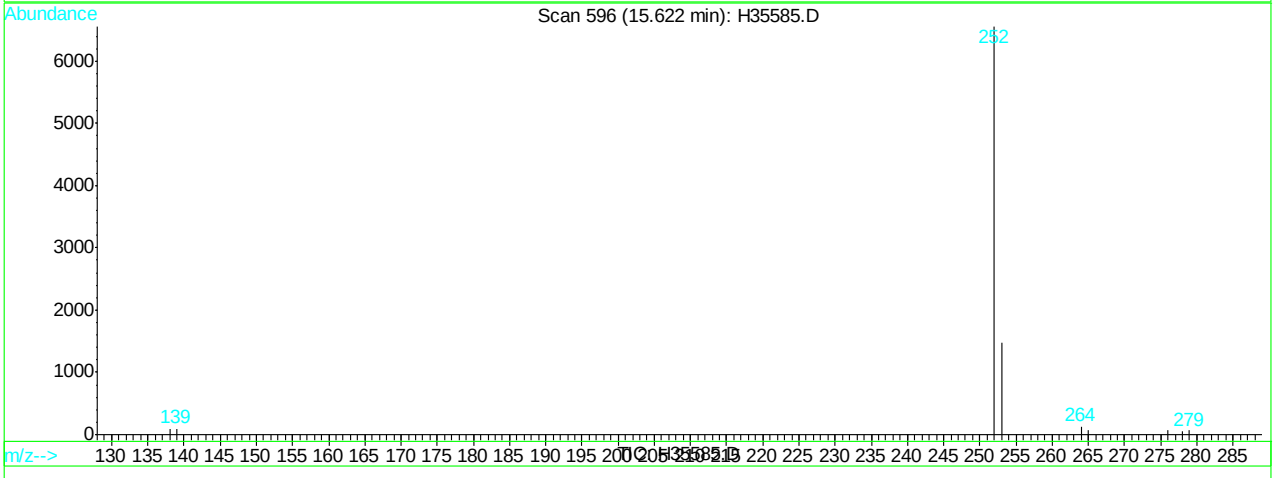
H35585.D H10239SP.M Tue Oct 27 15:24:16 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.62min 10.27ppb m

response 13485

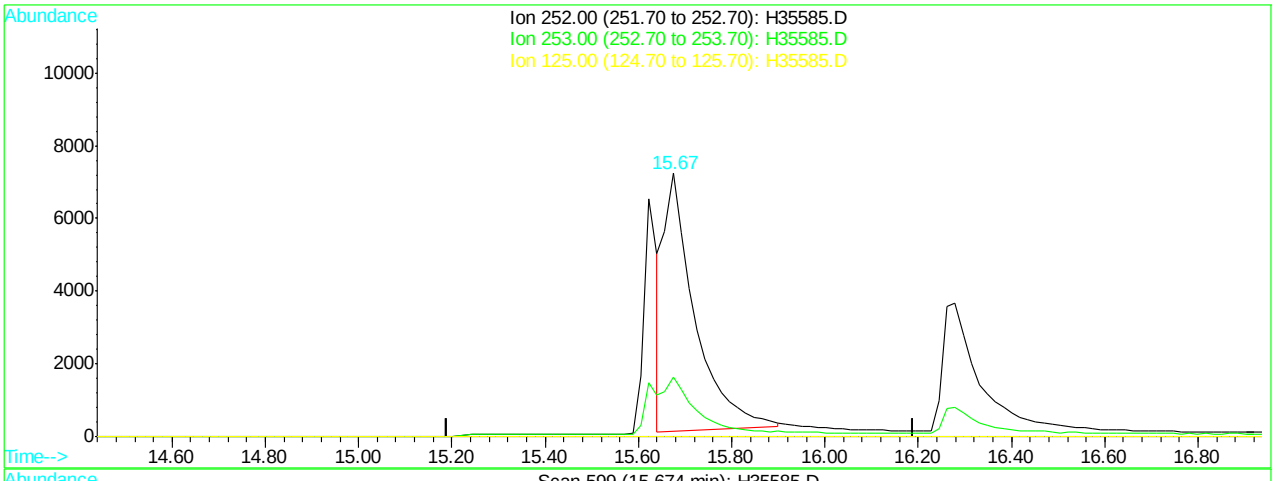
Ion	Exp%	Act%
252.00	100	100
253.00	23.50	22.40
125.00	0.00	0.00
0.00	0.00	0.00

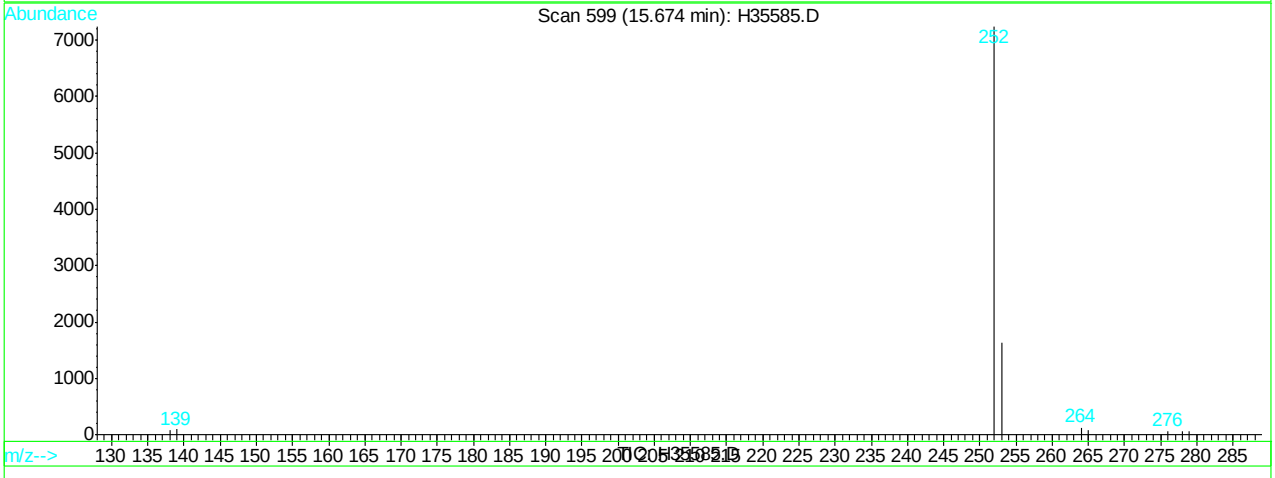
H35585.D H10239SP.M Tue Oct 27 15:24:21 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35585.D Vial: 7
Acq On : 23 Oct 2009 1:31 pm Operator: sheilac
Sample : ic1920-10 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 13:53 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.67min 15.29ppb m

response 32938

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	22.63
125.00	0.00	0.00
0.00	0.00	0.00

H35585.D H10239SP.M Tue Oct 27 15:24:25 2009

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/27/09 17:13

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: H10239SP.RES

Quant Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Fri Oct 23 15:22:10 2009
Response via : Initial Calibration
DataAcq Meth : HSIMBSPP

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	141635	4.00	ppb		0.00
4) Naphthalene-d8	7.54	136	121060	4.00	ppb		0.00
9) Acenaphthene-d10	9.57	164	100331	4.00	ppb		0.00
15) Phenanthrene-d10	11.09	188	108973	4.00	ppb		0.00
21) Chrysene-d12	13.90	240	16569	4.00	ppb		0.00
26) Perylene-d12	16.38	264	7697	4.00	ppb		0.00

System Monitoring Compounds

5) Nitrobenzene-d5	0.00	82	0d	0.00	ppb		
Spiked Amount 5.000	Range 17 - 131		Recovery	=	0.00%#		
10) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb		
Spiked Amount 5.000	Range 15 - 137		Recovery	=	0.00%#		
16) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ppb		
Spiked Amount 10.000	Range 10 - 123		Recovery	=	0.00%#		
23) Terphenyl-d14	0.00	244	0	0.00	ppb		
Spiked Amount 5.000	Range 10 - 160		Recovery	=	0.00%#		

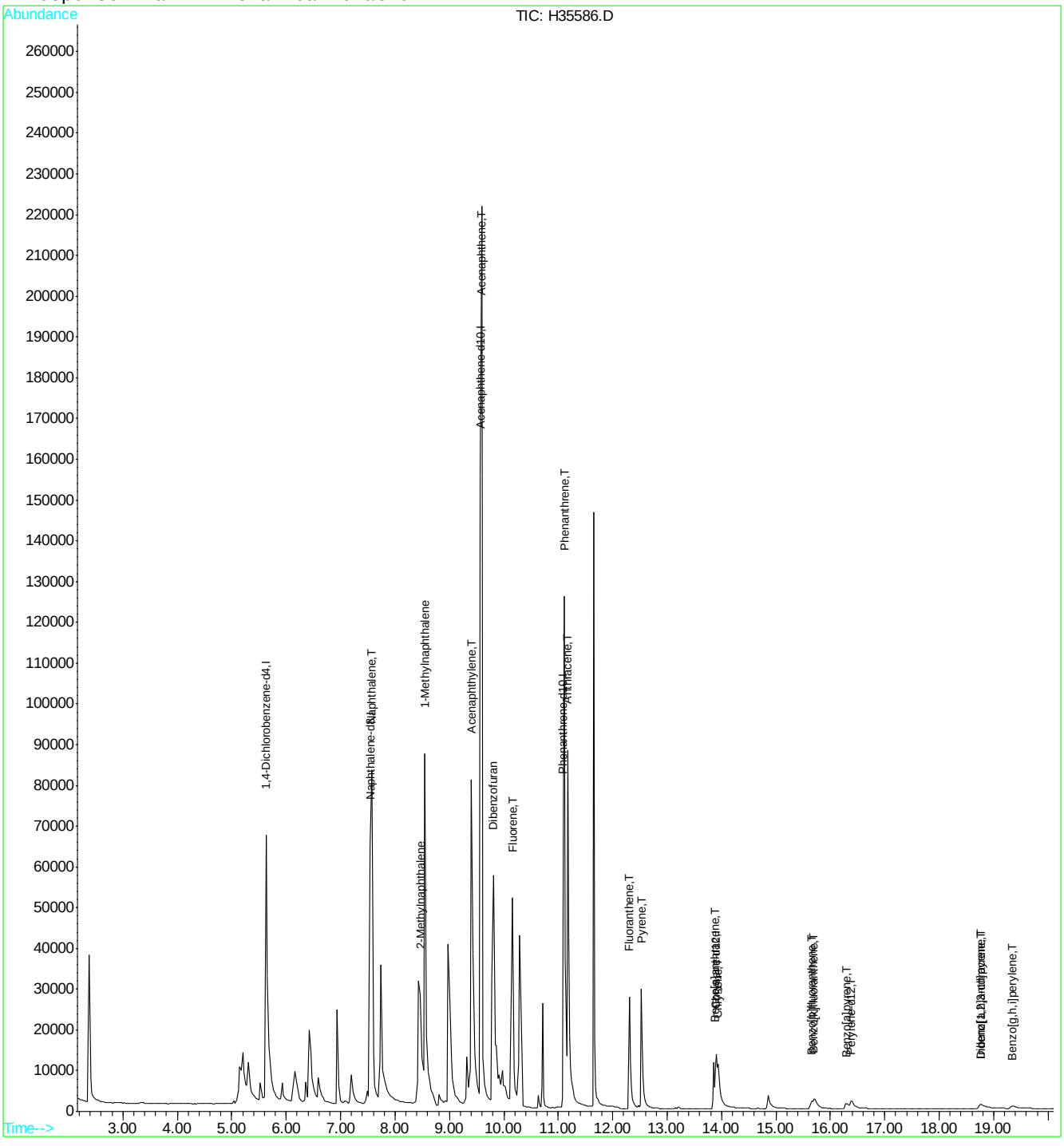
Target Compounds							Qvalue
6) Naphthalene	7.57	128	113075	2.79	ppb		98
7) 2-Methylnaphthalene	8.46	142	78333	2.35	ppb	#	29
8) 1-Methylnaphthalene	8.55	142	131184	2.91	ppb	#	97
11) Acenaphthylene	9.41	152	127700	1.97	ppb		92
12) Acenaphthene	9.59	153	146320	2.61	ppb		86
13) Dibenzofuran	9.81	168	101688	1.99	ppb		92
14) Fluorene	10.16	166	54865	2.07	ppb		98
18) Phenanthrene	11.11	178	125083	2.63	ppb		97
19) Anthracene	11.17	178	140615	2.55	ppb		97
20) Fluoranthene	12.31	202	57039	2.37	ppb	#	93
22) Pyrene	12.53	202	60041	2.21	ppb		97
24) Benzo[a]anthracene	13.88	228	11653m	3.07	ppb		
25) Chrysene	13.94	228	19162m	2.27	ppb		
27) Benzo[b]fluoranthene	15.66	252	4919m	2.34	ppb		
28) Benzo[k]fluoranthene	15.69	252	11174m	2.62	ppb		
29) Benzo[a]pyrene	16.30	252	6567	2.52	ppb		99
30) Indeno[1,2,3-cd]pyrene	18.77	276	4359	2.37	ppb		87
31) Dibenz[a,h]anthracene	18.77	278	3070	2.45	ppb	#	86
32) Benzo[g,h,i]perylene	19.34	276	3710	2.18	ppb		99

(#) = qualifier out of range (m) = manual integration
H35586.D H10239SP.M Tue Oct 27 15:24:33 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: H10239SP.RES

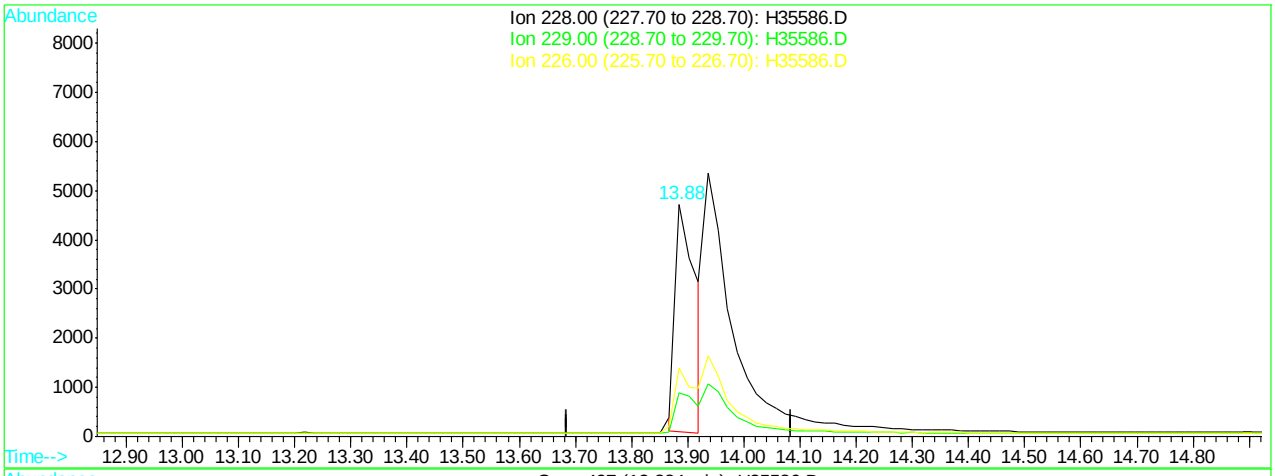
Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Initial Calibration

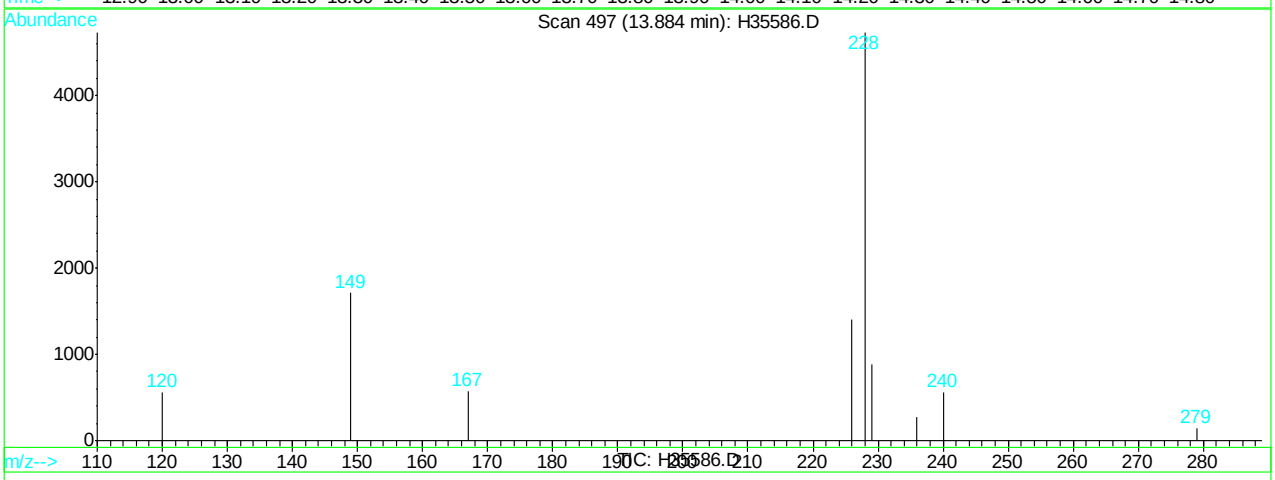


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(24) Benzo[a]anthracene (T)

13.88min 3.07ppb m

response 11653

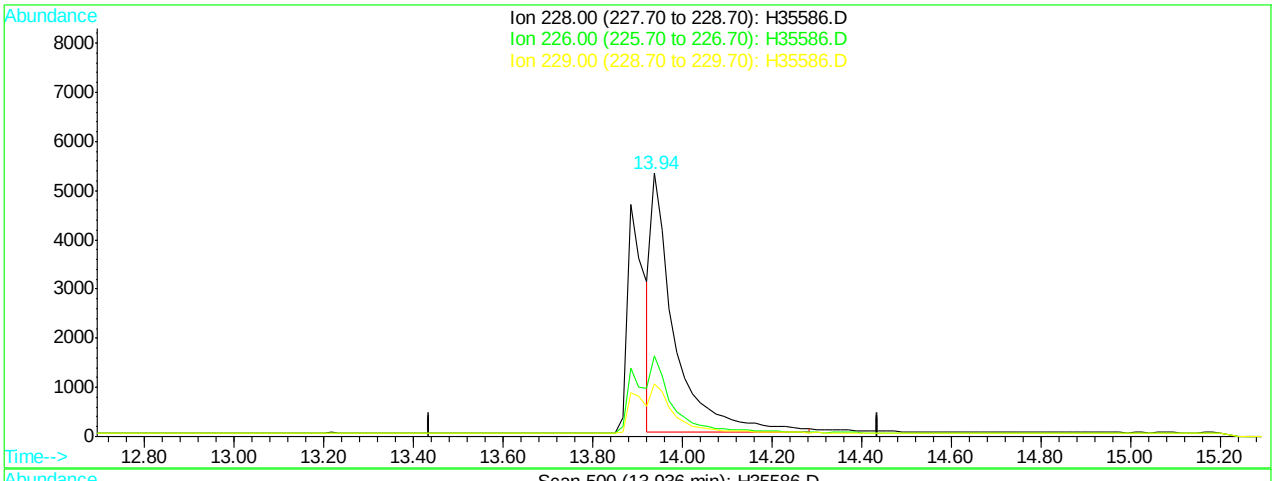
Ion	Exp%	Act%
228.00	100	100
229.00	20.50	18.67
226.00	30.50	29.56
0.00	0.00	0.00

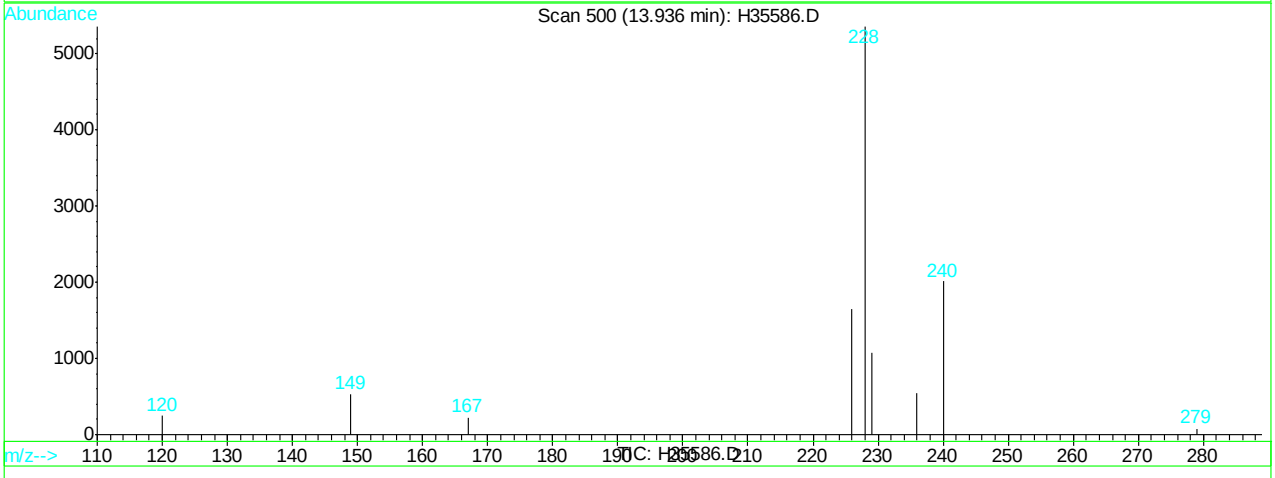
H35586.D H10239SP.M Tue Oct 27 15:24:50 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(25) Chrysene (T)

13.94min 2.27ppb m

response 19162

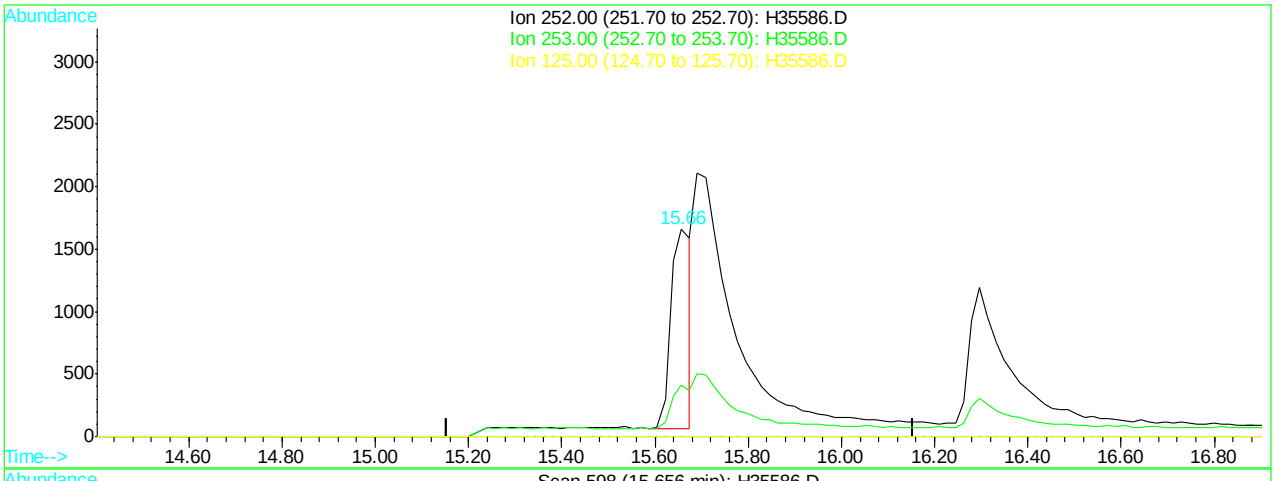
Ion	Exp%	Act%
228.00	100	100
226.00	31.10	30.82
229.00	21.20	19.97
0.00	0.00	0.00

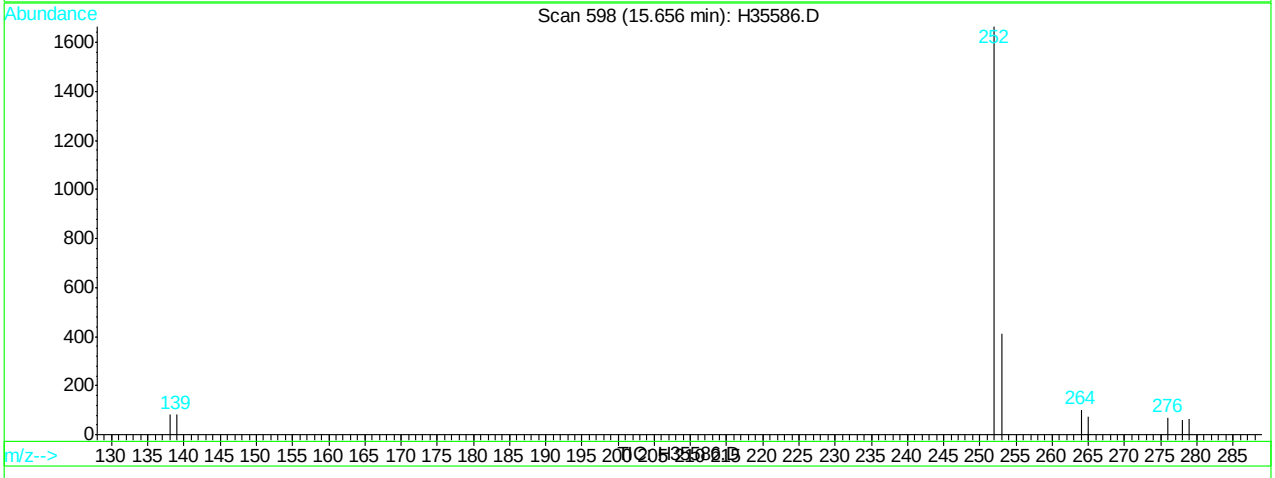
H35586.D H10239SP.M Tue Oct 27 15:24:53 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(27) Benzo[b]fluoranthene (T)

15.66min 2.34ppb m

response 4919

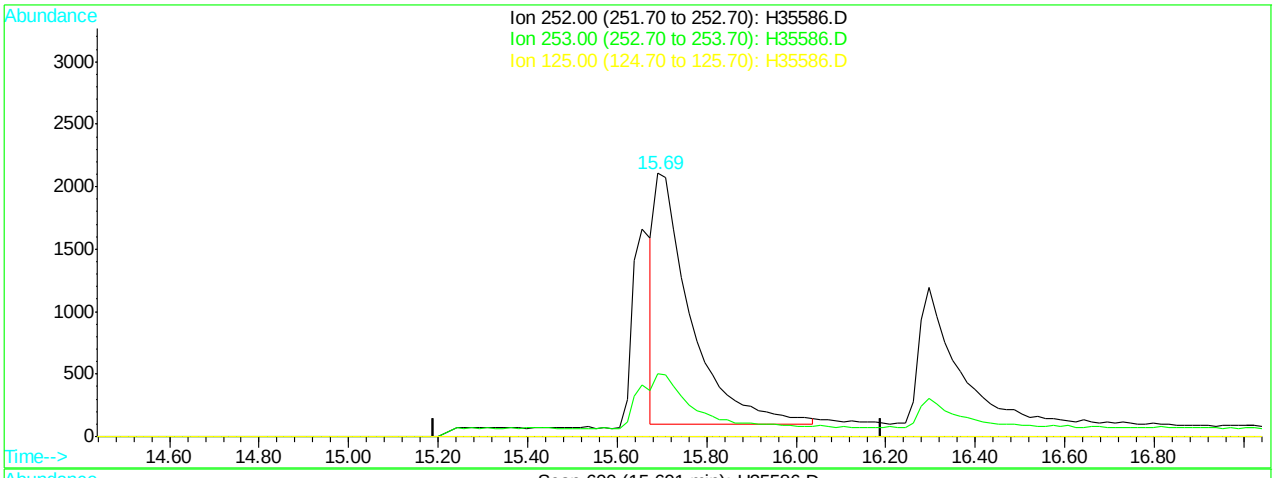
Ion	Exp%	Act%
252.00	100	100
253.00	27.80	24.74
125.00	0.00	0.00
0.00	0.00	0.00

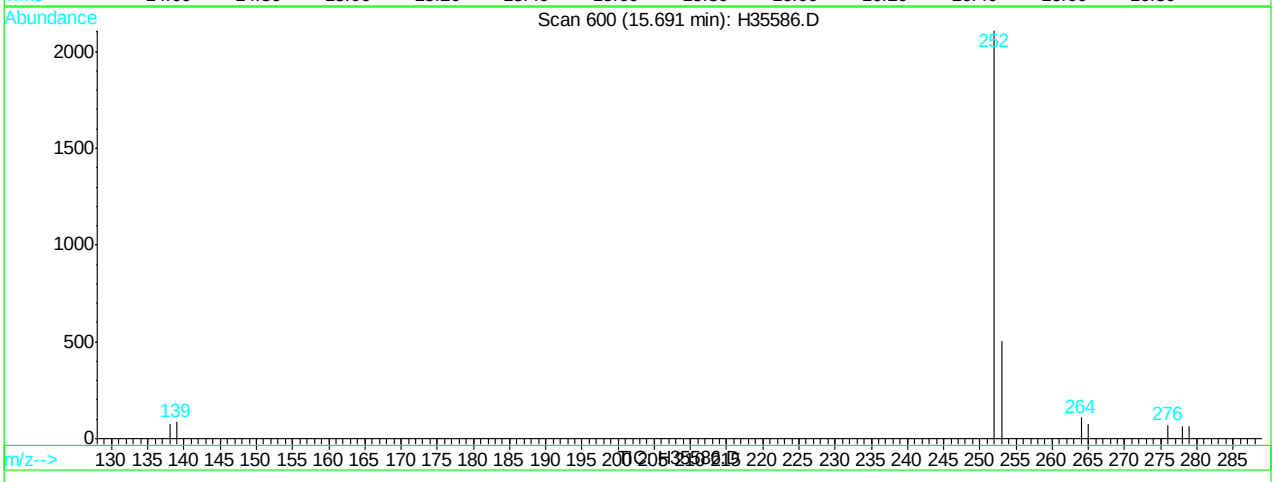
H35586.D H10239SP.M Tue Oct 27 15:24:57 2009

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\EH1920\H35586.D Vial: 8
Acq On : 23 Oct 2009 2:13 pm Operator: sheilac
Sample : icv1920-2.5 Inst : TXMSH
Misc : OP12779,EH1920,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:24 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\H10239SP.M (RTE Integrator)
Title : SIM METHOD FOR BNA
Last Update : Mon Oct 26 15:17:29 2009
Response via : Multiple Level Calibration





(28) Benzo[k]fluoranthene (T)

15.69min 2.62ppb m

response 11174

Ion	Exp%	Act%
252.00	100	100
253.00	26.10	23.91
125.00	0.00	0.00
0.00	0.00	0.00

H35586.D H10239SP.M Tue Oct 27 15:25:00 2009

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13034.D
Acq On : 5 Sep 2009 12:10 pm
Operator : sheilac
Sample : ic602-75,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:02:34 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

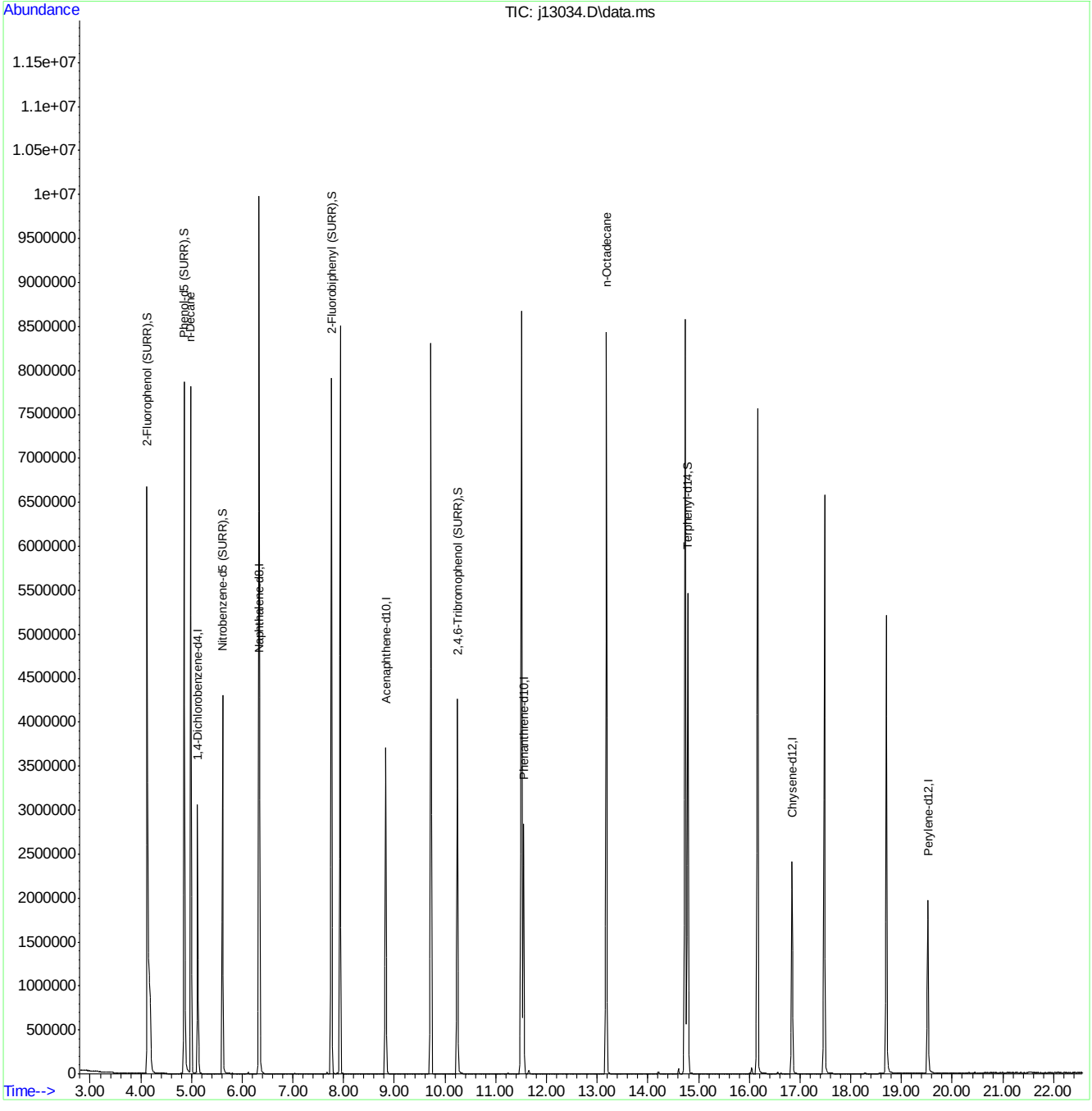
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	555192	40.00	ug/ml	0.00
27) Naphthalene-d8	6.344	136	2116845	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.831	164	1098414	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.548	188	1552400	40.00	ug/ml	0.00
86) Chrysene-d12	16.843	240	1471649	40.00	ug/ml	0.00
95) Perylene-d12	19.523	264	1142412	40.00	ug/ml	0.00
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.129	112	2840590	166.83	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 166.83%#			
9) Phenol-d5 (SURR)	4.851	99	3374526	177.25	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 177.25%#			
28) Nitrobenzene-d5 (SURR)	5.611	82	1594922	88.39	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 176.78%#			
51) 2-Fluorobiphenyl (SURR)	7.761	172	3130762	81.26	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 162.52%#			
75) 2,4,6-Tribromophenol (...	10.248	330	774369	199.73	ug/ml	0.00
Spiked Amount 100.000	Range 32 - 128		Recovery = 199.73%#			
89) Terphenyl-d14	14.789	244	2694853	78.73	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 157.46%#			
Target Compounds						Qvalue
15) n-Decane	4.985	57	1955649	95.13	ug/ml	98
79) n-Octadecane	13.185	57	2361004	111.21	ug/ml#	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13034.D
Acq On : 5 Sep 2009 12:10 pm
Operator : sheilac
Sample : ic602-75,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 13:02:34 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13035.D
Acq On : 5 Sep 2009 12:38 pm
Operator : sheilac
Sample : icc602-50,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 13:01:51 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	496798	40.00	ug/ml	0.00
27) Naphthalene-d8	6.344	136	1869470	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.831	164	944738	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.548	188	1315219	40.00	ug/ml	0.00
86) Chrysene-d12	16.848	240	1307365	40.00	ug/ml	0.00
95) Perylene-d12	19.523	264	1041766	40.00	ug/ml	0.00
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.124	112	1573960	103.31	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 103.31%#			
9) Phenol-d5 (SURR)	4.846	99	1921053	112.77	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 112.77%#			
28) Nitrobenzene-d5 (SURR)	5.605	82	897915	56.35	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 112.70%			
51) 2-Fluorobiphenyl (SURR)	7.756	172	1715160	51.76	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 103.52%			
75) 2,4,6-Tribromophenol (...	10.243	330	387045	124.79	ug/ml	0.00
Spiked Amount 100.000	Range 32 - 128		Recovery = 124.79%			
89) Terphenyl-d14	14.784	244	1499902	49.32	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 98.64%			
Target Compounds						Qvalue
15) n-Decane	4.980	57	1149471	62.49	ug/ml	98
79) n-Octadecane	13.185	57	1343294	74.69	ug/ml#	98

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

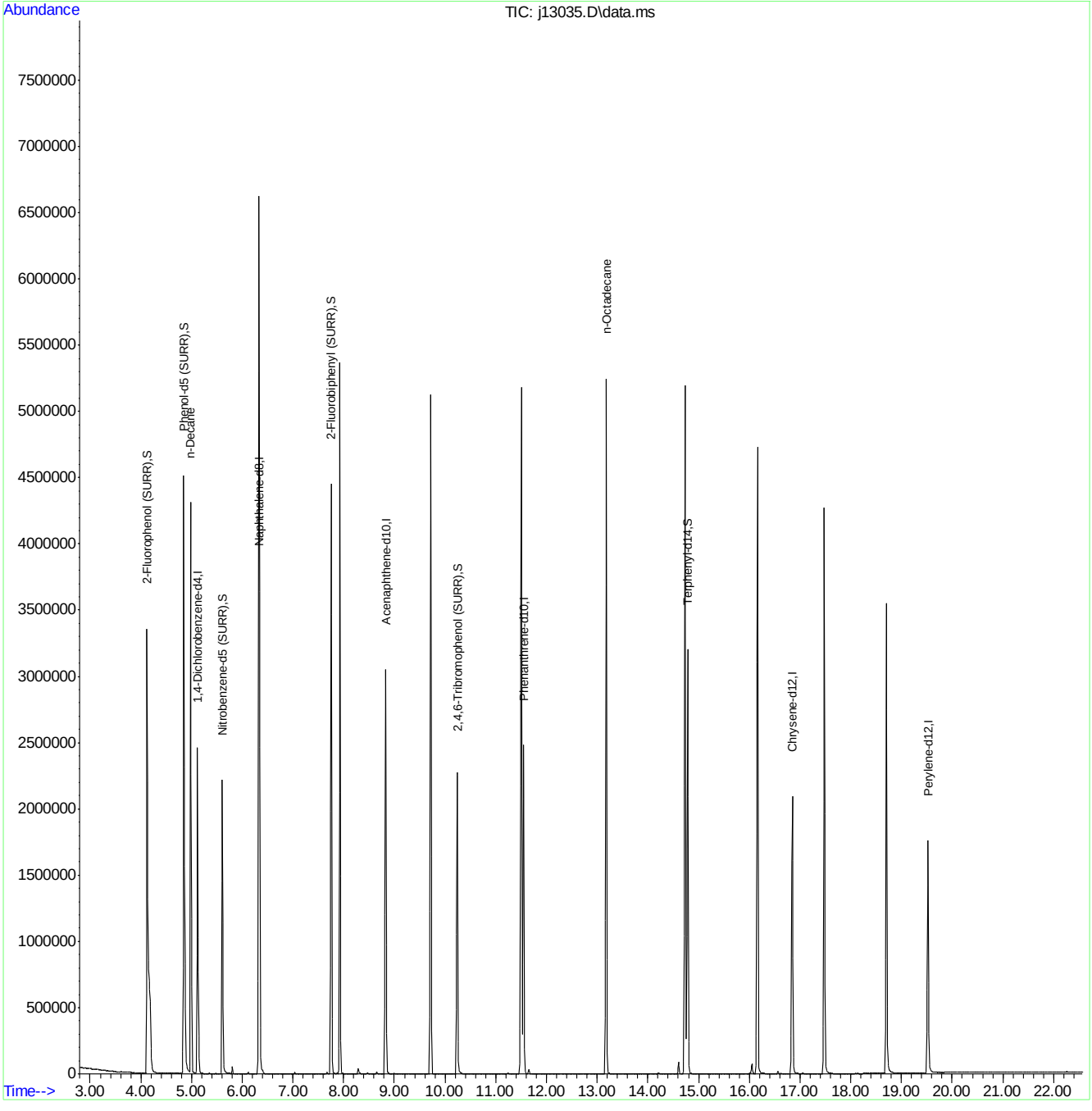
8.6.23

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13035.D
Acq On : 5 Sep 2009 12:38 pm
Operator : sheilac
Sample : icc602-50,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 13:01:51 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13036.D
Acq On : 5 Sep 2009 1:07 pm
Operator : sheilac
Sample : ic602-5,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 13:31:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

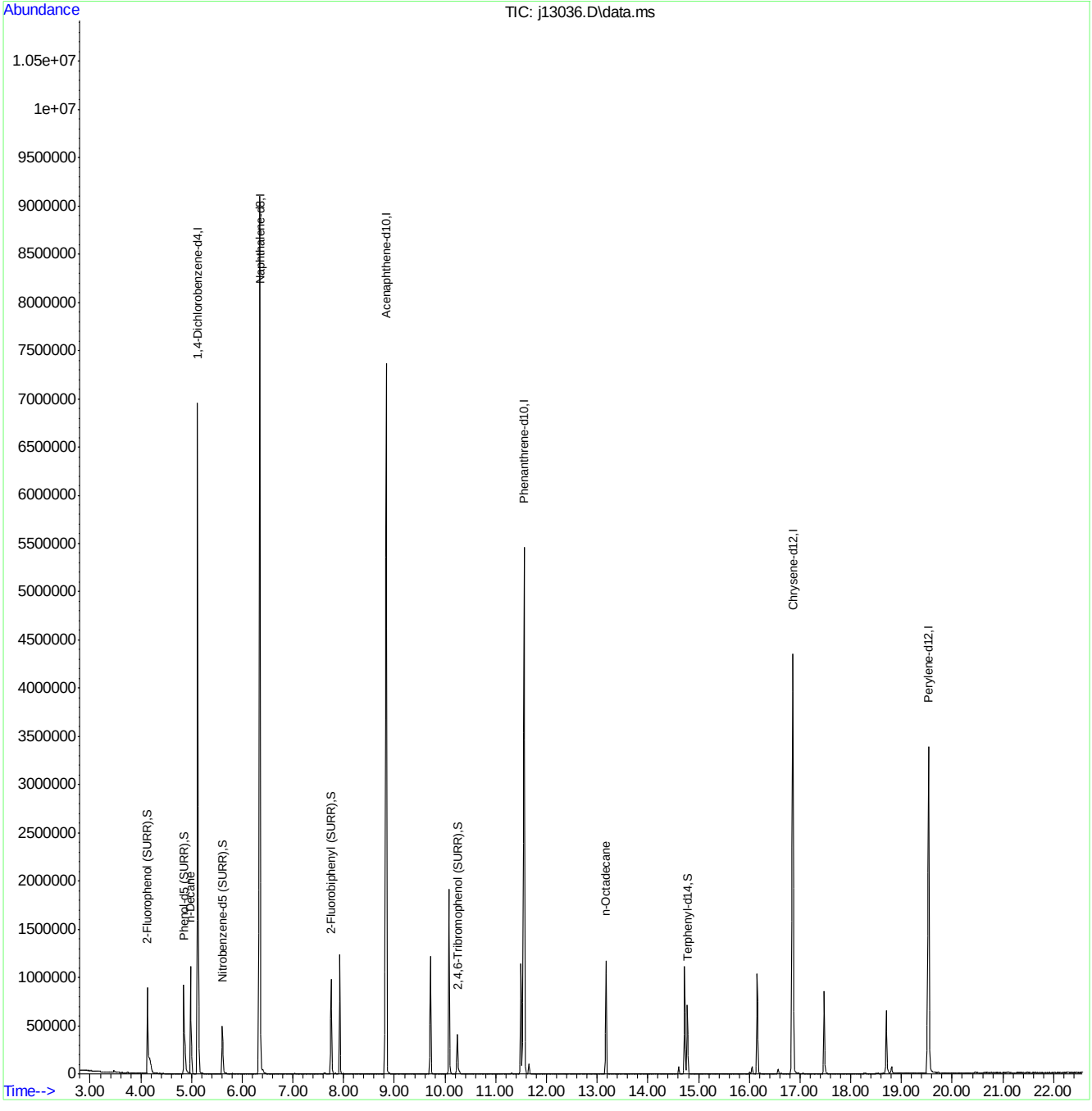
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	1277386	40.00	ug/ml	0.00
27) Naphthalene-d8	6.349	136	4754760	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.841	164	2334982	40.00	ug/ml	0.01
69) Phenanthrene-d10	11.559	188	3244675	40.00	ug/ml	0.01
86) Chrysene-d12	16.859	240	2811346	40.00	ug/ml	0.02
95) Perylene-d12	19.539	264	2160425	40.00	ug/ml	0.02
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.129	112	369008	9.42	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 9.42%#			
9) Phenol-d5 (SURR)	4.846	99	465089	10.62	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 10.62%			
28) Nitrobenzene-d5 (SURR)	5.606	82	234444	5.78	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 11.56%#			
51) 2-Fluorobiphenyl (SURR)	7.756	172	415461	5.07	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 10.14%#			
75) 2,4,6-Tribromophenol (...	10.243	330	82686	17.41	ug/ml	0.00
Spiked Amount 100.000	Range 32 - 128		Recovery = 17.41%#			
89) Terphenyl-d14	14.778	244	327763	5.01	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 10.02%#			
Target Compounds						Qvalue
15) n-Decane	4.980	57	279116	5.90	ug/ml	98
79) n-Octadecane	13.174	57	278185	6.27	ug/ml#	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13036.D
Acq On : 5 Sep 2009 1:07 pm
Operator : sheilac
Sample : ic602-5,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 13:31:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13037.D
Acq On : 5 Sep 2009 1:36 pm
Operator : sheilac
Sample : ic602-10,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 14:19:27 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	596457	40.00	ug/ml	0.00
27) Naphthalene-d8	6.344	136	2198791	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.831	164	1095207	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.553	188	1442026	40.00	ug/ml	0.00
86) Chrysene-d12	16.849	240	1333794	40.00	ug/ml	0.00
95) Perylene-d12	19.528	264	977978	40.00	ug/ml	0.00
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.129	112	377700	20.65	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 20.65%			
9) Phenol-d5 (SURR)	4.846	99	426754	20.87	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 20.87%			
28) Nitrobenzene-d5 (SURR)	5.606	82	200949	10.72	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 21.44%#			
51) 2-Fluorobiphenyl (SURR)	7.756	172	384468	10.01	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 20.02%#			
75) 2,4,6-Tribromophenol (...	10.238	330	67829	26.47	ug/ml	-0.01
Spiked Amount 100.000	Range 32 - 128		Recovery = 26.47%#			
89) Terphenyl-d14	14.779	244	328801	10.60	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 21.20%			
Target Compounds						Qvalue
15) n-Decane	4.980	57	288196	13.05	ug/ml	98
79) n-Octadecane	13.174	57	275371	13.96	ug/ml#	94

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

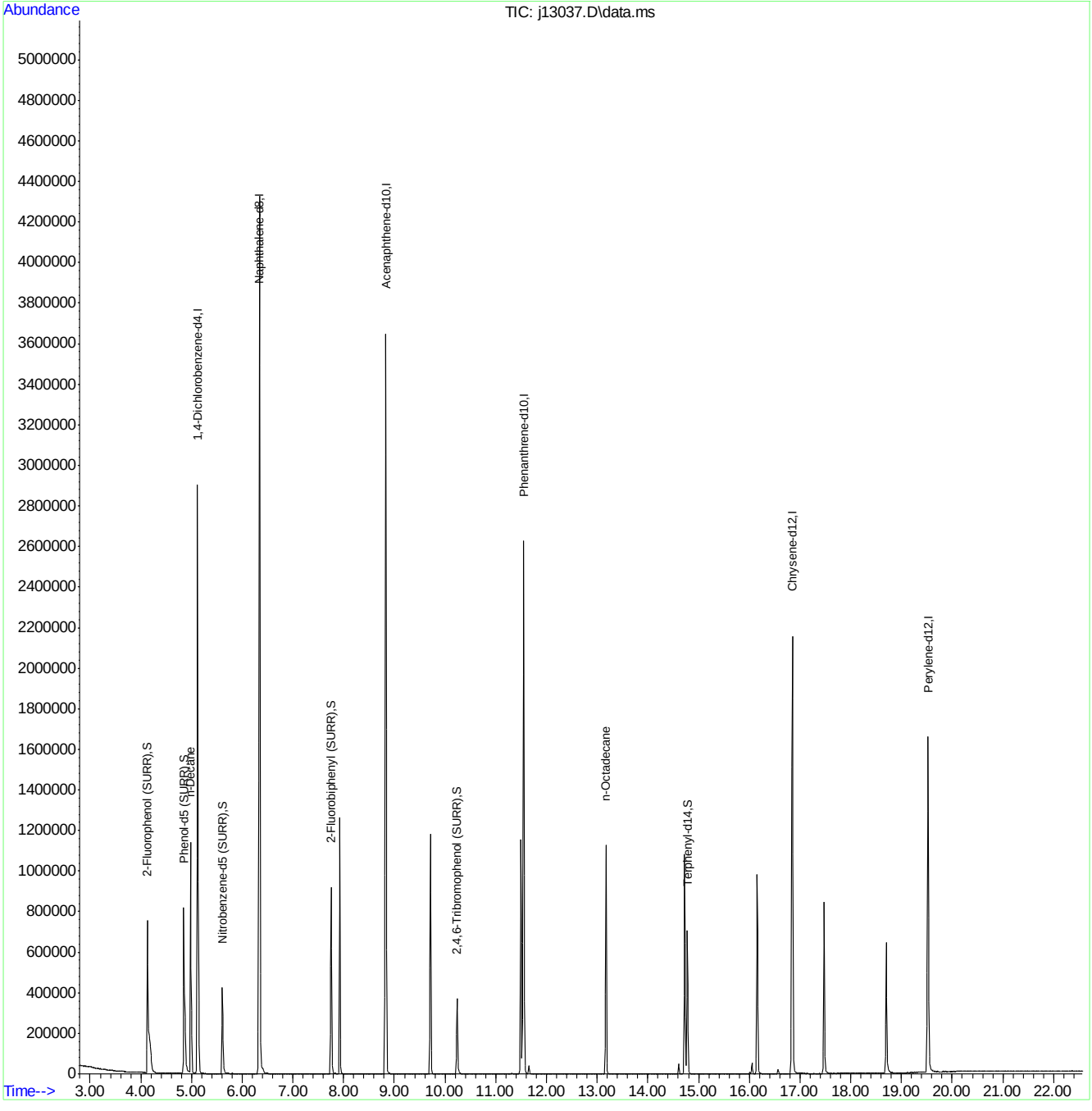
8.6.25

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13037.D
Acq On : 5 Sep 2009 1:36 pm
Operator : sheilac
Sample : ic602-10,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 14:19:27 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13038.D
Acq On : 5 Sep 2009 2:05 pm
Operator : sheilac
Sample : ic602-25,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 05 15:26:13 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

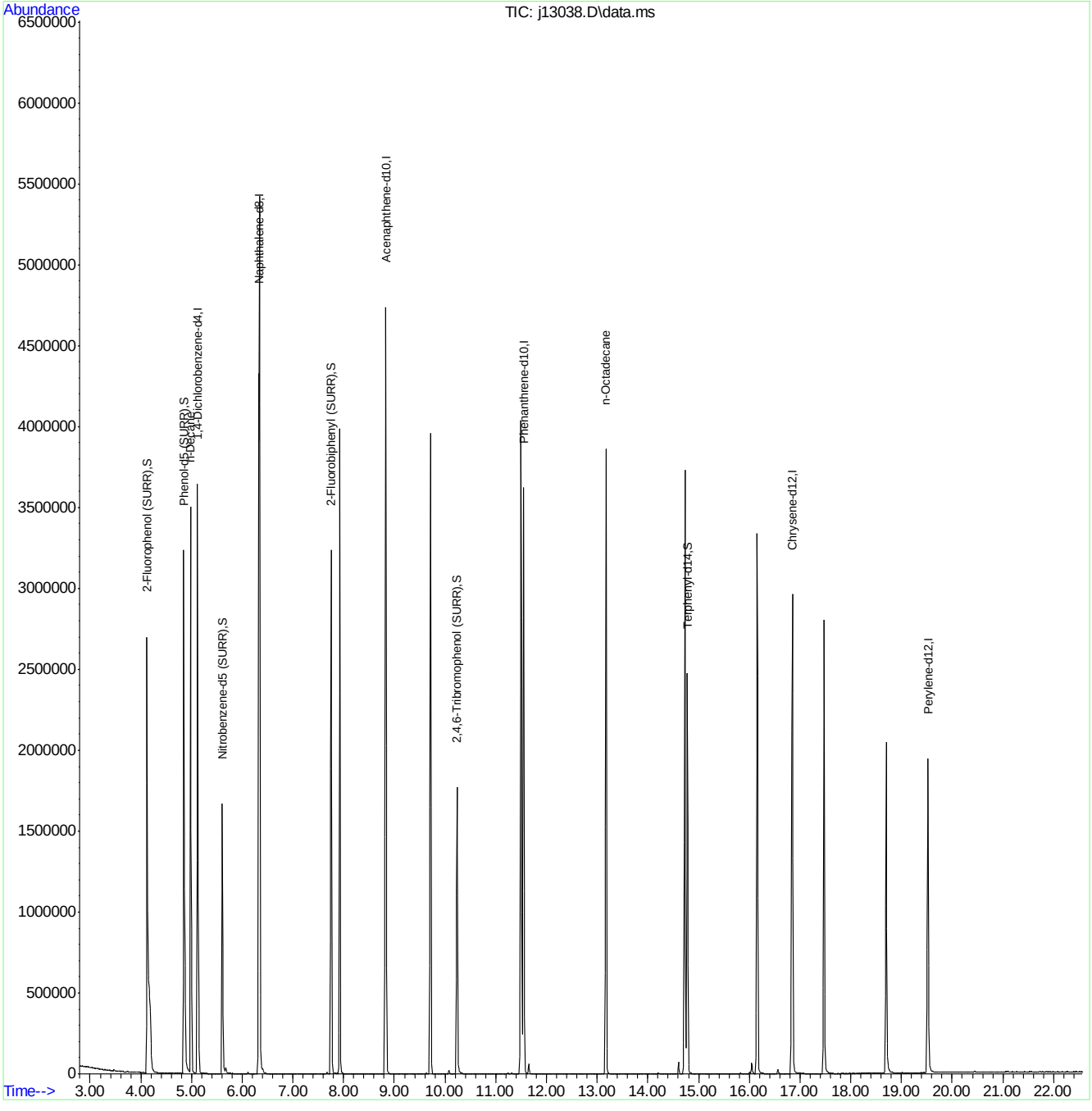
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	717431	40.00	ug/ml	0.00
27) Naphthalene-d8	6.344	136	2716917	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.831	164	1430280	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.553	188	2015446	40.00	ug/ml	0.00
86) Chrysene-d12	16.848	240	1841189	40.00	ug/ml	0.00
95) Perylene-d12	19.523	264	1148316	40.00	ug/ml	0.00
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.124	112	1168517	53.11	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 53.11%			
9) Phenol-d5 (SURR)	4.846	99	1387598	56.40	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 56.40%#			
28) Nitrobenzene-d5 (SURR)	5.606	82	673625	29.09	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 58.18%			
51) 2-Fluorobiphenyl (SURR)	7.756	172	1289839	25.71	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 51.42%			
75) 2,4,6-Tribromophenol (...	10.238	330	293520	66.83	ug/ml	-0.01
Spiked Amount 100.000	Range 32 - 128		Recovery = 66.83%			
89) Terphenyl-d14	14.779	244	1120163	26.16	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 52.32%			
Target Compounds						Qvalue
15) n-Decane	4.980	57	868092	32.68	ug/ml	97
79) n-Octadecane	13.174	57	974367	35.35	ug/ml#	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13038.D
Acq On : 5 Sep 2009 2:05 pm
Operator : sheilac
Sample : ic602-25,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 05 15:26:13 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13039.D
Acq On : 5 Sep 2009 2:34 pm
Operator : sheilac
Sample : ic602-100,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 15:27:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	887851	40.00	ug/ml	0.00
27) Naphthalene-d8	6.338	136	3680619	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.831	164	2065214	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.548	188	3055807	40.00	ug/ml	0.00
86) Chrysene-d12	16.849	240	3106031	40.00	ug/ml	0.00
95) Perylene-d12	19.528	264	2245617	40.00	ug/ml	0.00
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	4.129	112	5080496	186.59	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 186.59%#			
9) Phenol-d5 (SURR)	4.862	99	7267140	238.70	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 238.70%#			
28) Nitrobenzene-d5 (SURR)	5.616	82	3802783	121.21	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 242.42%#			
51) 2-Fluorobiphenyl (SURR)	7.767	172	7693703	106.21	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 212.42%#			
75) 2,4,6-Tribromophenol (...	10.259	330	2246736	280.61	ug/ml	0.01
Spiked Amount 100.000	Range 32 - 128		Recovery = 280.61%#			
89) Terphenyl-d14	14.805	244	8037941	111.26	ug/ml	0.02
Spiked Amount 50.000	Range 12 - 145		Recovery = 222.52%#			
Target Compounds						Qvalue
15) n-Decane	4.985	57	3563680	108.40	ug/ml	100
79) n-Octadecane	13.195	57	5405737	129.36	ug/ml#	98

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

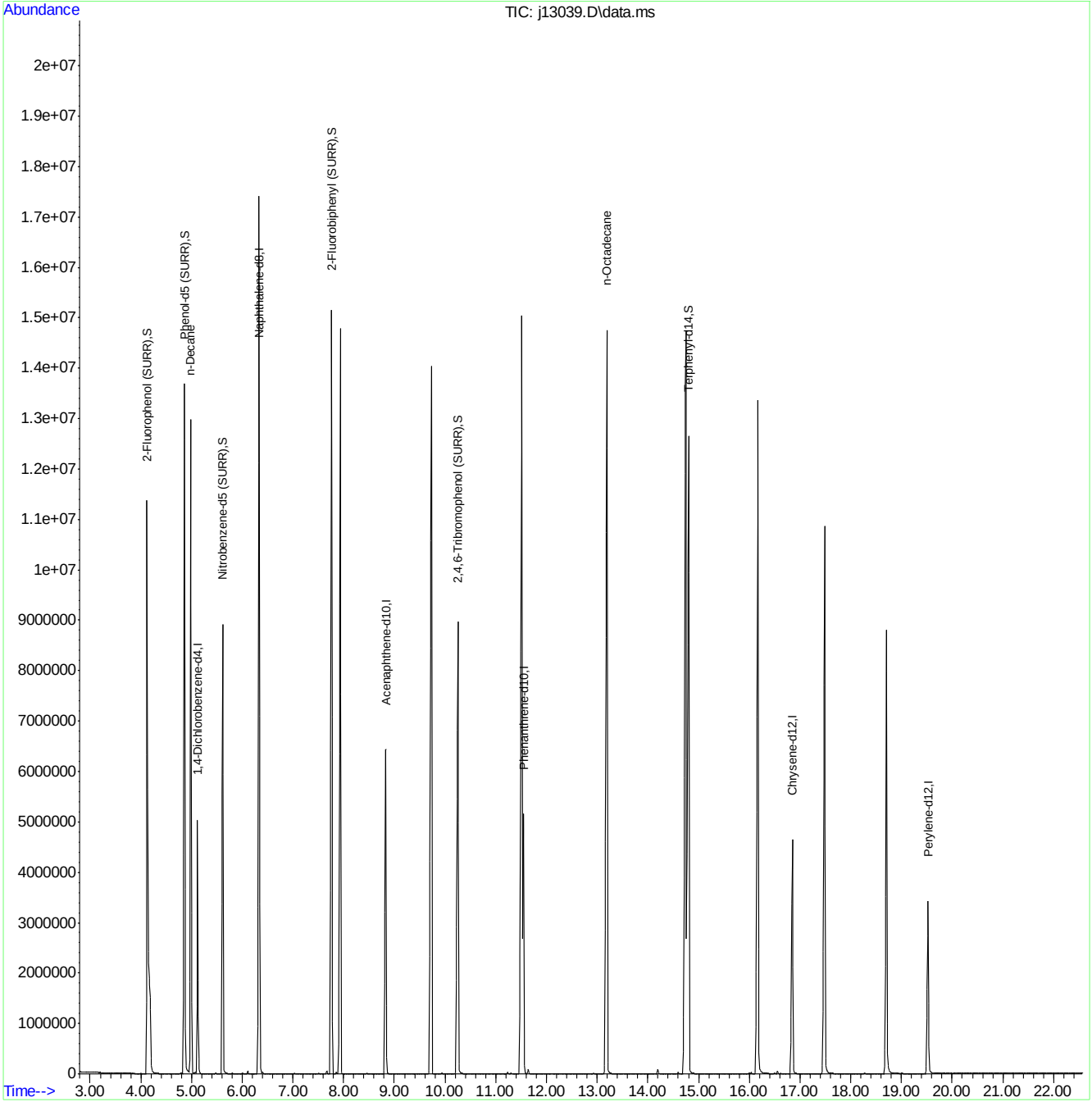
8.6.27

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13039.D
Acq On : 5 Sep 2009 2:34 pm
Operator : sheilac
Sample : ic602-100,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 15:27:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 12:32:10 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13041.D
Acq On : 5 Sep 2009 3:36 pm
Operator : sheilac
Sample : icv602-50,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 16:21:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 15:31:46 2009
Response via : Initial Calibration

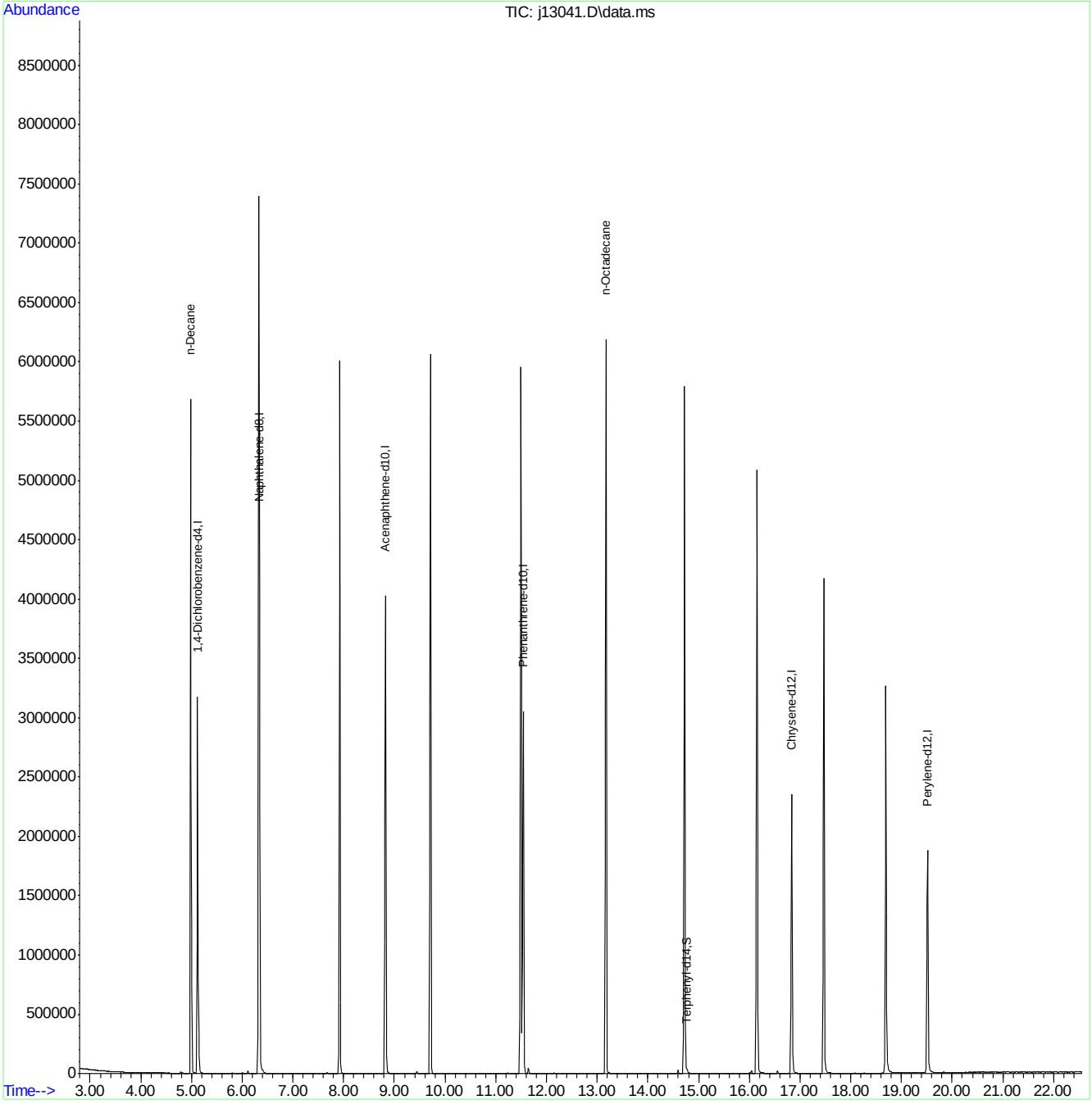
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.119	152	614661	40.00	ug/ml	0.00
27) Naphthalene-d8	6.338	136	2314354	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.826	164	1201895	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.543	188	1645589	40.00	ug/ml	0.00
86) Chrysene-d12	16.838	240	1423525	40.00	ug/ml	-0.01
95) Perylene-d12	19.517	264	1124683	40.00	ug/ml	-0.01
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 66		Recovery	=	0.00%#	
9) Phenol-d5 (SURR)	0.000	99	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 53		Recovery	=	0.00%#	
28) Nitrobenzene-d5 (SURR)	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 29 - 115		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 113		Recovery	=	0.00%#	
75) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 32 - 128		Recovery	=	0.00%#	
89) Terphenyl-d14	14.768	244	18167	0.53	ug/ml	-0.04
Spiked Amount 50.000	Range 12 - 145		Recovery	=	1.06%#	
Target Compounds						Qvalue
15) n-Decane	4.980	57	1408052	50.20	ug/ml	100
79) n-Octadecane	13.174	57	1559991	49.90	ug/ml#	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej602\
Data File : j13041.D
Acq On : 5 Sep 2009 3:36 pm
Operator : sheilac
Sample : icv602-50,(c10+c18)
Misc : op10821,Ej602,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 16:21:20 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Sat Sep 05 15:31:46 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	1131767	40.00	ug/ml	-0.02
20) Naphthalene-d8	6.120	136	4156402	40.00	ug/ml	-0.04
36) Acenaphthene-d10	8.629	164	2172842	40.00	ug/ml	-0.04
57) Phenanthrene-d10	11.426	188	3050995	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	2427194	40.00	ug/ml	0.00
80) Perylene-d12	19.748	264	1762776	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.895	112	339646	9.36	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 110		Recovery	=	9.36%#	
5) Phenol-d5 (SURR)	4.665	99	426538	9.45	ug/ml	-0.03
Spiked Amount 100.000	Range 23 - 114		Recovery	=	9.45%#	
21) Nitrobenzene-d5 (SURR)	5.382	82	209263	4.72	ug/ml	-0.05
Spiked Amount 50.000	Range 36 - 126		Recovery	=	9.44%#	
40) 2-Fluorobiphenyl (SURR)	7.527	172	376824	4.57	ug/ml	-0.06
Spiked Amount 50.000	Range 34 - 132		Recovery	=	9.14%#	
62) 2,4,6-Tribromophenol (...	10.067	330	79131	10.07	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 138		Recovery	=	10.07%#	
74) Terphenyl-d14	14.769	244	253631	4.68	ug/ml	-0.02
Spiked Amount 50.000	Range 46 - 136		Recovery	=	9.36%#	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	93609m	4.68	ug/ml	
3) Pyridine	2.627	79	156059m	4.54	ug/ml	
6) Phenol	4.681	94	231255	4.73	ug/ml	93
7) Aniline	4.628	93	211628	4.64	ug/ml	99
8) bis(2-Chloroethyl)ether	4.665	93	231589	4.58	ug/ml	99
9) 2-Chlorophenol	4.746	128	177762	4.75	ug/ml	100
10) 1,3-Dichlorobenzene	4.831	146	202363	4.78	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	220980	4.91	ug/ml	94
12) Benzyl Alcohol	5.024	108	115532	4.48	ug/ml	97
13) 1,2-Dichlorobenzene	5.029	146	193429	4.59	ug/ml	99
14) 2-Methylphenol	5.163	108	159314	4.71	ug/ml	98
15) bis(2-chloroisopropyl)...	5.120	45	304930	5.05	ug/ml	98
16) 4-Methylphenol	5.302	108	163048	4.60	ug/ml	99
17) m+p-Cresols	5.302	108	163048	4.60	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.243	70	152247	4.76	ug/ml	100
19) Hexachloroethane	5.334	117	76866	4.56	ug/ml	99
22) Nitrobenzene	5.398	77	205410	4.71	ug/ml	99
23) Isophorone	5.628	82	377302	4.77	ug/ml	99
24) 2-Nitrophenol	5.708	139	84665	4.39	ug/ml	99
25) 2,4-Dimethylphenol	5.783	122	138935	4.35	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.842	93	206408	4.74	ug/ml	100
27) Benzoic Acid	5.917	105	53806	3.66	ug/ml	93
28) 2,4-Dichlorophenol	6.008	162	124383	4.40	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.051	180	155536	4.51	ug/ml	99
30) Naphthalene	6.142	128	525298	4.65	ug/ml	100
31) 4-Chloroaniline	6.206	127	157550	4.29	ug/ml	99
32) Hexachlorobutadiene	6.286	225	97662	4.48	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.869	107	139664	4.29	ug/ml	99
34) 2-Methylnaphthalene	6.997	142	310487	4.45	ug/ml	99
35) 1-Methylnaphthalene	7.131	142	326170	4.47	ug/ml	99
37) Hexachlorocyclopentadiene	7.233	237	12800	1.47	ug/ml	99
38) 2,4,6-Trichlorophenol	7.436	196	79355	4.49	ug/ml	100
39) 2,4,5-Trichlorophenol	7.543	196	80073	7.67	ug/ml	99
41) 2-Chloronaphthalene	7.703	162	281032	4.69	ug/ml	100
42) 2-Nitroaniline	7.885	65	98144	4.73	ug/ml	99
43) Dimethylphthalate	8.195	163	347339	4.70	ug/ml	100
44) Acenaphthylene	8.367	152	478875	4.65	ug/ml	100
45) 2,6-Dinitrotoluene	8.286	165	78314	4.53	ug/ml#	87
46) 3-Nitroaniline	8.581	138	61443	4.09	ug/ml#	77
47) Acenaphthene	8.671	154	278921	4.56	ug/ml	99
48) 2,4-Dinitrophenol	8.789	184	3806	5.16	ug/ml#	62
49) 4-Nitrophenol	9.126	65	30613	4.38	ug/ml#	91
50) Dibenzofuran	8.971	168	389921	4.44	ug/ml	100
51) 2,4-Dinitrotoluene	8.992	165	91521	4.30	ug/ml#	63
52) 2,3,4,6-Tetrachlorophenol	9.254	232	58838	3.91	ug/ml	97
53) Diethylphthalate	9.452	149	347292	4.40	ug/ml	100
54) Fluorene	9.597	166	327689	4.25	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.618	204	156995	4.13	ug/ml	100
56) 4-Nitroaniline	9.693	138	52401	3.92	ug/ml	97
58) 1,2-Diphenylhydrazine	9.918	77	363016	4.83	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.763	198	22897	7.38	ug/ml	96
60) Diphenylamine	9.853	169	263778	4.79	ug/ml	100
61) n-Nitrosodiphenylamine	9.853	169	263778	4.79	ug/ml	100
63) 4-Bromophenyl-phenylether	10.549	248	87288	4.65	ug/ml	98
64) Hexachlorobenzene	10.677	284	97545	4.72	ug/ml	98
65) Pentachlorophenol	11.126	266	13720	1.65	ug/ml	95
66) Phenanthrene	11.463	178	416457	4.56	ug/ml	99
67) Anthracene	11.560	178	397023	4.49	ug/ml	99
68) Carbazole	11.934	167	329803	4.52	ug/ml	100
69) Di-n-butylphthalate	12.747	149	490470	4.29	ug/ml	100
70) Fluoranthene	13.908	202	378152	4.24	ug/ml	99
72) Benzidine	14.255	184	52435	2.58	ug/ml#	91
73) Pyrene	14.362	202	394970	5.04	ug/ml	99
75) Butylbenzylphthalate	15.865	149	172915	4.85	ug/ml	99
76) Benzo(a)anthracene	16.919	228	337127	4.91	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.919	252	86947	3.60	ug/ml	97
78) Chrysene	16.994	228	284766	4.91	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.133	149	232729	5.00	ug/ml	99
81) Di-n-octylphthalate	18.417	149	339068	7.62	ug/ml	100
82) Benzo(b)fluoranthene	19.042	252	264539	4.49	ug/ml	97
83) Benzo(k)fluoranthene	19.091	252	248573	4.39	ug/ml	97
84) Benzo(a)pyrene	19.631	252	226228	4.47	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	21.909	276	190117	4.48	ug/ml	97
86) Dibenz(a,h)anthracene	21.936	278	152664	4.30	ug/ml	98
87) Benzo(g,h,i)perylene	22.524	276	151051	6.97	ug/ml	98

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On    : 23 Sep 2009  11:52 am
Operator  : sheilac
Sample    : ic615-5
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

        Compound                  R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

8.6.29

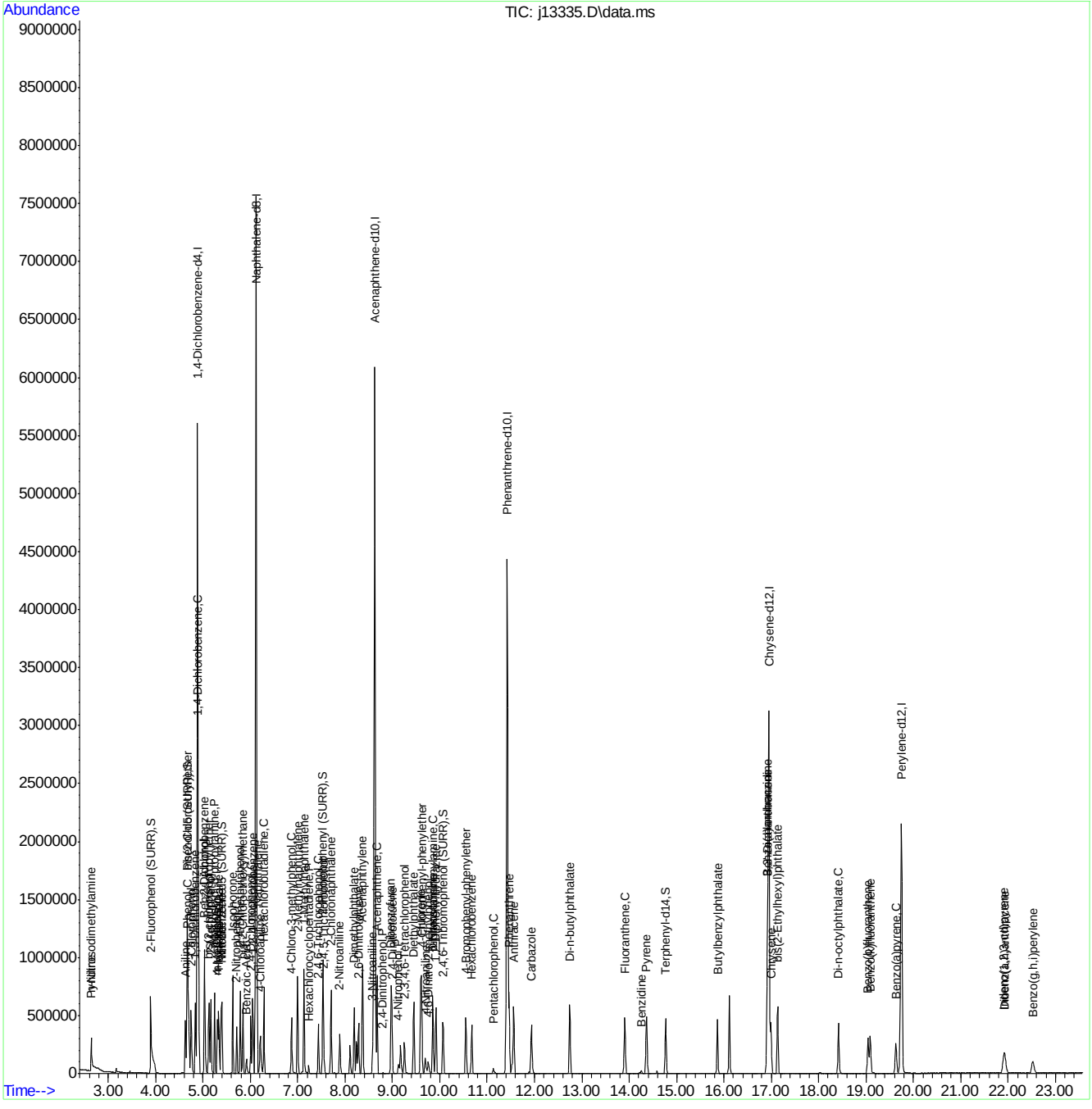
8

ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

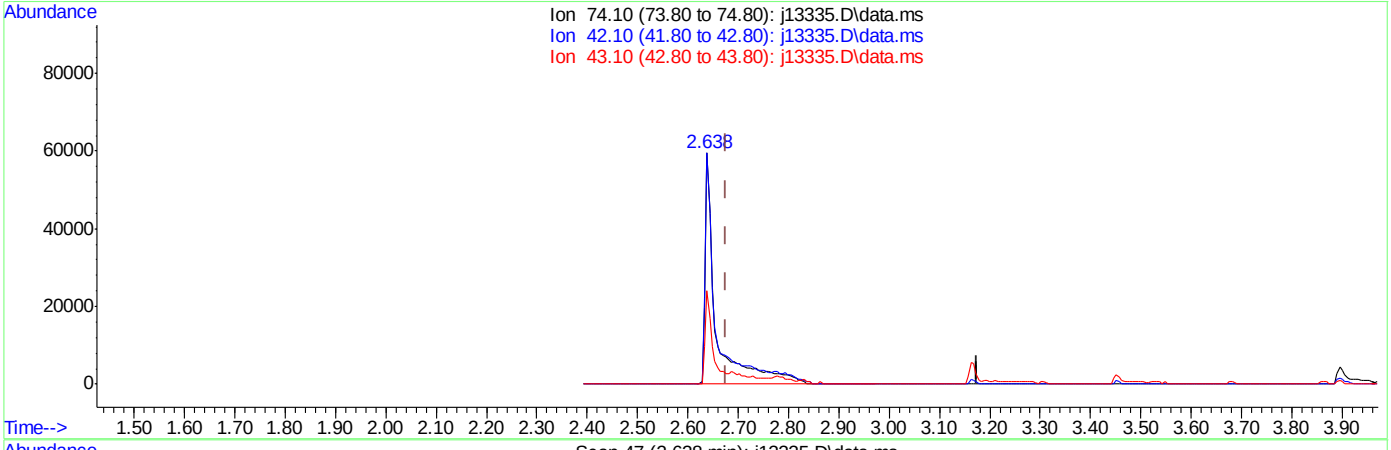
Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration

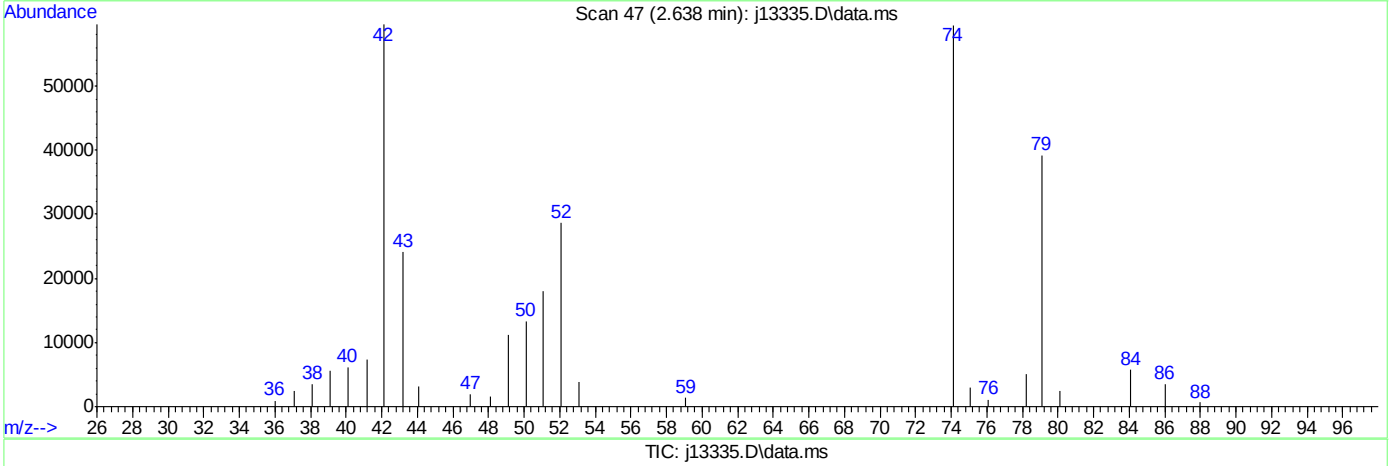


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On : 23 Sep 2009 11:52 am
Operator : sheilac
Sample : ic615-5
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration





TIC: j13335.D\data.ms

(2) n-Nitrosodimethylamine

2.638min (-0.038) 4.68ug/ml m

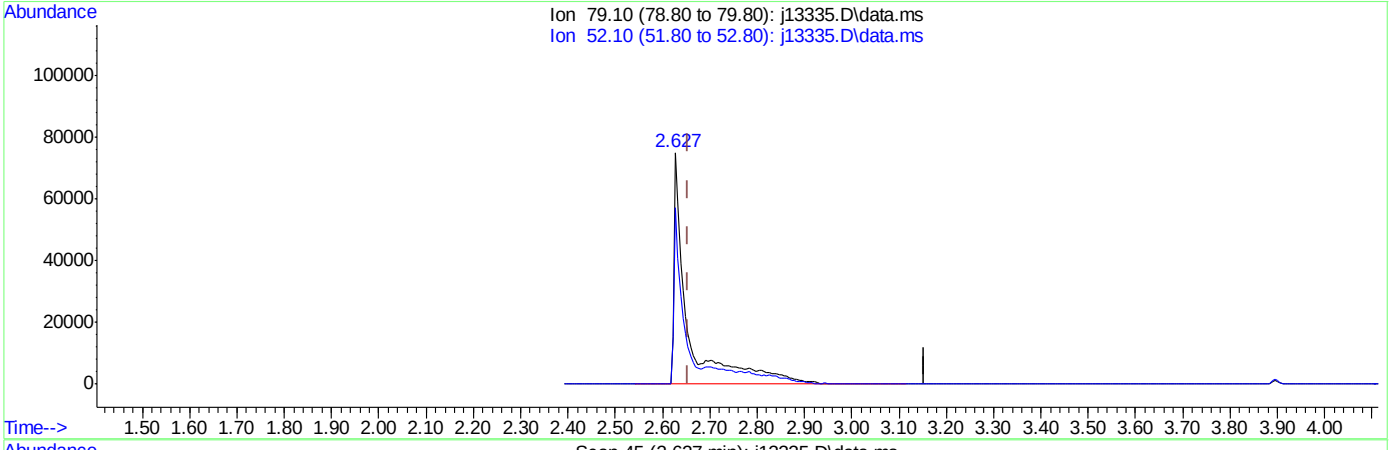
response 93609

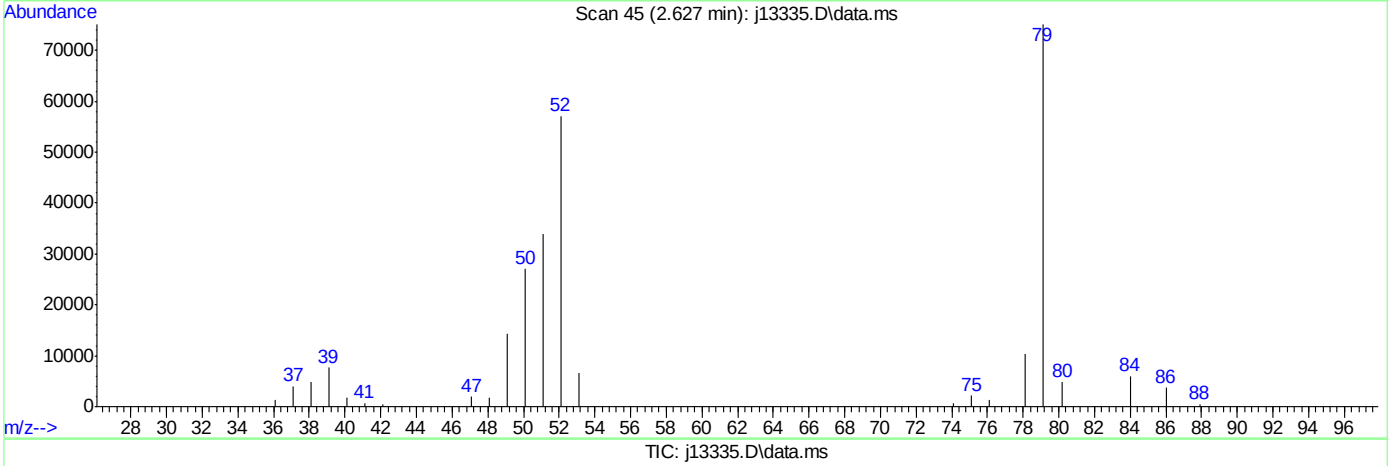
Ion	Exp%	Act%
74.10	100	100
42.10	97.90	93.95
43.10	40.50	28.18
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13335.D
Acq On    : 23 Sep 2009  11:52 am
Operator  : sheilac
Sample    : ic615-5
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Sep 23 12:32:14 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:30:02 2009
Response via : Initial Calibration
```





TIC: j13335.D\data.ms

(3) Pyridine

2.627min (-0.027) 4.54ug/ml m

response 156059

Ion	Exp%	Act%
79.10	100	100
52.10	45.00	45.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.879	152	438746	40.00	ug/ml	0.00
20) Naphthalene-d8	6.115	136	1627703	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.618	164	870467	40.00	ug/ml	-0.01
57) Phenanthrene-d10	11.415	188	1252710	40.00	ug/ml	-0.01
71) Chrysene-d12	16.940	240	1041785	40.00	ug/ml	-0.01
80) Perylene-d12	19.743	264	808724	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.895	112	258871	16.38	ug/ml	0.02
Spiked Amount 100.000	Range 23 - 110		Recovery = 16.38%#			
5) Phenol-d5 (SURR)	4.665	99	322025	16.14	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery = 16.14%#			
21) Nitrobenzene-d5 (SURR)	5.382	82	161623	8.40	ug/ml	-0.01
Spiked Amount 50.000	Range 36 - 126		Recovery = 16.80%#			
40) 2-Fluorobiphenyl (SURR)	7.527	172	296532	7.86	ug/ml	-0.02
Spiked Amount 50.000	Range 34 - 132		Recovery = 15.72%#			
62) 2,4,6-Tribromophenol (...	10.067	330	62678	13.68	ug/ml	-0.03
Spiked Amount 100.000	Range 33 - 138		Recovery = 13.68%#			
74) Terphenyl-d14	14.774	244	220022	8.19	ug/ml	-0.01
Spiked Amount 50.000	Range 46 - 136		Recovery = 16.38%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.633	74	72101	8.48	ug/ml	92
3) Pyridine	2.622	79	120863m	7.89	ug/ml	
6) Phenol	4.681	94	174873	8.10	ug/ml	95
7) Aniline	4.622	93	168881	7.95	ug/ml	94
8) bis(2-Chloroethyl)ether	4.665	93	177684	8.53	ug/ml	98
9) 2-Chlorophenol	4.745	128	136759	8.44	ug/ml	99
10) 1,3-Dichlorobenzene	4.831	146	155349	8.44	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	165674	8.49	ug/ml	98
12) Benzyl Alcohol	5.024	108	89752	8.01	ug/ml	97
13) 1,2-Dichlorobenzene	5.029	146	151362	8.28	ug/ml	100
14) 2-Methylphenol	5.163	108	125342	8.70	ug/ml	98
15) bis(2-chloroisopropyl)...	5.120	45	243853	9.25	ug/ml	98
16) 4-Methylphenol	5.302	108	126943	8.54	ug/ml	100
17) m+p-Cresols	5.302	108	126943	8.54	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.243	70	121231	8.78	ug/ml	99
19) Hexachloroethane	5.328	117	59495	8.30	ug/ml	99
22) Nitrobenzene	5.398	77	160329	8.48	ug/ml	98
23) Isophorone	5.628	82	298019	8.60	ug/ml	99
24) 2-Nitrophenol	5.708	139	63247	7.71	ug/ml	98
25) 2,4-Dimethylphenol	5.783	122	113813	7.89	ug/ml	100
26) bis(2-Chloroethoxy)met...	5.842	93	160453	8.43	ug/ml	100
27) Benzoic Acid	5.911	105	35456	5.60	ug/ml	98
28) 2,4-Dichlorophenol	6.008	162	95089	7.85	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.051	180	120898	8.15	ug/ml	99
30) Naphthalene	6.136	128	405301	8.24	ug/ml	100
31) 4-Chloroaniline	6.206	127	126170	7.66	ug/ml	98
32) Hexachlorobutadiene	6.286	225	77068	8.24	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.869	107	107401	7.80	ug/ml	100
34) 2-Methylnaphthalene	6.997	142	242892	8.15	ug/ml	100
35) 1-Methylnaphthalene	7.131	142	254986	8.17	ug/ml	100
37) Hexachlorocyclopentadiene	7.233	237	6154	2.13	ug/ml#	19
38) 2,4,6-Trichlorophenol	7.436	196	59675	7.37	ug/ml	99
39) 2,4,5-Trichlorophenol	7.543	196	60186	6.96	ug/ml	100
41) 2-Chloronaphthalene	7.703	162	218829	8.07	ug/ml	99
42) 2-Nitroaniline	7.885	65	75946	8.18	ug/ml	98
43) Dimethylphthalate	8.190	163	282079	8.49	ug/ml	100
44) Acenaphthylene	8.366	152	381060	8.17	ug/ml	100
45) 2,6-Dinitrotoluene	8.281	165	62071	8.11	ug/ml	88
46) 3-Nitroaniline	8.580	138	48355	7.65	ug/ml#	83
47) Acenaphthene	8.671	154	224618	8.28	ug/ml	99
48) 2,4-Dinitrophenol	8.789	184	1160m	0.75	ug/ml	
49) 4-Nitrophenol	9.126	65	34262	9.11	ug/ml#	75
50) Dibenzofuran	8.976	168	312182	8.08	ug/ml	100
51) 2,4-Dinitrotoluene	8.987	165	73063	7.78	ug/ml#	69
52) 2,3,4,6-Tetrachlorophenol	9.254	232	44591	6.85	ug/ml	98
53) Diethylphthalate	9.452	149	284682	8.28	ug/ml	100
54) Fluorene	9.597	166	263317	7.84	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.618	204	127435	7.90	ug/ml	100
56) 4-Nitroaniline	9.693	138	40517	7.46	ug/ml	98
58) 1,2-Diphenylhydrazine	9.918	77	294772	8.58	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.757	198	17449	8.55	ug/ml	97
60) Diphenylamine	9.853	169	210824	8.35	ug/ml	100
61) n-Nitrosodiphenylamine	9.853	169	210824	8.35	ug/ml	100
63) 4-Bromophenyl-phenylether	10.554	248	71125	8.29	ug/ml	100
64) Hexachlorobenzene	10.677	284	80790	8.62	ug/ml	99
65) Pentachlorophenol	11.126	266	10758	2.91	ug/ml	98
66) Phenanthrene	11.458	178	344061	8.41	ug/ml	99
67) Anthracene	11.560	178	327120	8.27	ug/ml	100
68) Carbazole	11.934	167	267649	8.36	ug/ml	99
69) Di-n-butylphthalate	12.747	149	435135	8.77	ug/ml	100
70) Fluoranthene	13.908	202	322270	8.53	ug/ml	100
72) Benzidine	14.255	184	59343	6.68	ug/ml#	95
73) Pyrene	14.368	202	337027	8.43	ug/ml	100
75) Butylbenzylphthalate	15.865	149	156729	8.56	ug/ml	99
76) Benzo(a)anthracene	16.919	228	278566	8.52	ug/ml	100
77) 3,3'-Dichlorobenzidine	16.919	252	74079	10.23	ug/ml	97
78) Chrysene	16.988	228	242960	8.64	ug/ml	99
79) bis(2-Ethylhexyl)phtha...	17.138	149	222888	9.12	ug/ml	99
81) Di-n-octylphthalate	18.422	149	308929	7.33	ug/ml#	97
82) Benzo(b)fluoranthene	19.042	252	224706	7.78	ug/ml	100
83) Benzo(k)fluoranthene	19.096	252	225043	8.01	ug/ml	99
84) Benzo(a)pyrene	19.631	252	201067	7.91	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.909	276	186731	8.27	ug/ml	99
86) Dibenz(a,h)anthracene	21.936	278	150717	8.17	ug/ml	99
87) Benzo(g,h,i)perylene	22.524	276	152191	8.99	ug/ml	99

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On    : 23 Sep 2009  12:23 pm
Operator  : sheilac
Sample    : ic615-10
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

        Compound                  R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

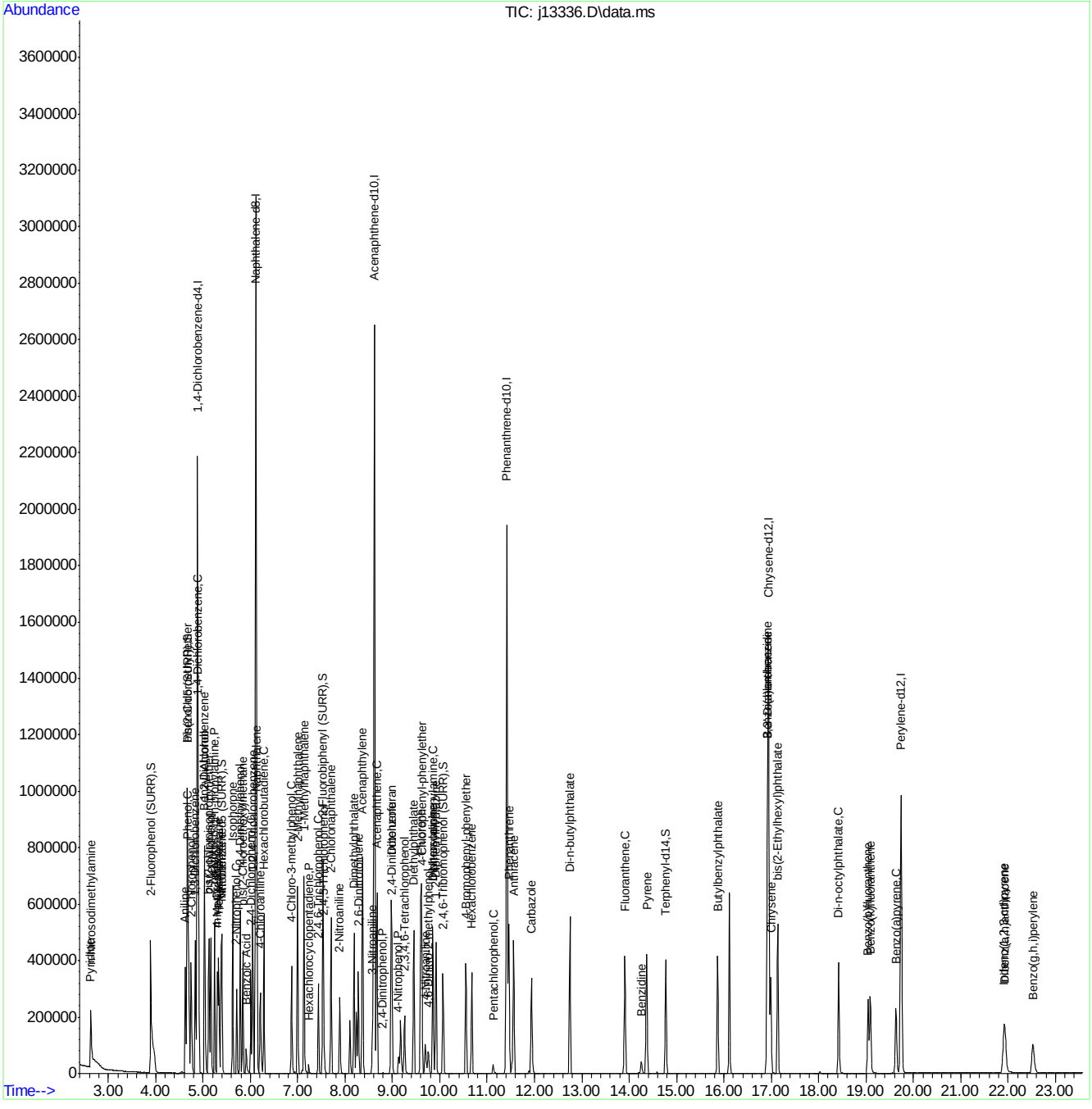
8.6.30

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

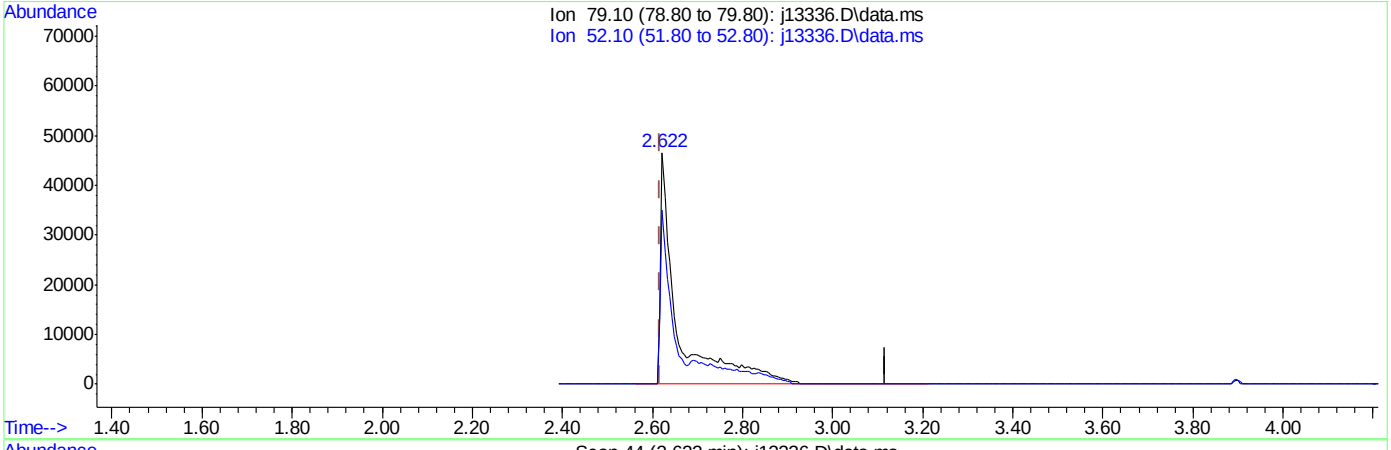
Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration

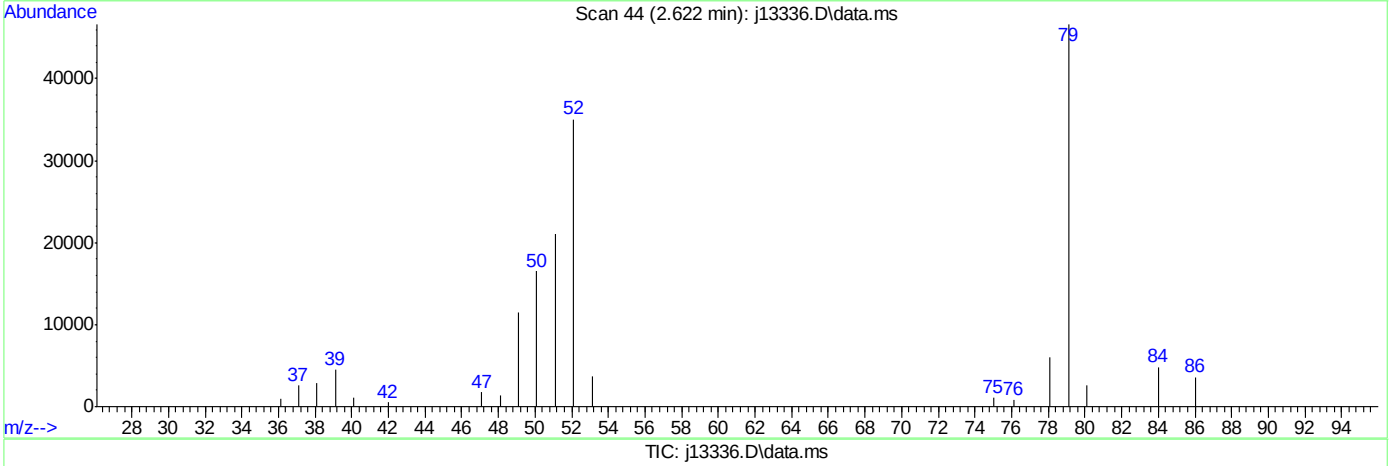


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13336.D
Acq On : 23 Sep 2009 12:23 pm
Operator : sheilac
Sample : ic615-10
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:15:21 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 12:40:09 2009
Response via : Initial Calibration





TIC: j13336.D\data.ms

(3) Pyridine

2.622min (+0.005) 7.89ug/ml m

response 120863

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	43.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	576826	40.00	ug/ml	0.00
20) Naphthalene-d8	6.120	136	2141894	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.623	164	1134750	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.426	188	1652005	40.00	ug/ml	0.01
71) Chrysene-d12	16.946	240	1183011	40.00	ug/ml	0.00
80) Perylene-d12	19.743	264	760056	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.884	112	882461	44.49	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 110		Recovery = 44.49%			
5) Phenol-d5 (SURR)	4.655	99	1148563	46.01	ug/ml	-0.01
Spiked Amount 100.000	Range 23 - 114		Recovery = 46.01%			
21) Nitrobenzene-d5 (SURR)	5.387	82	552027	22.72	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery = 45.44%			
40) 2-Fluorobiphenyl (SURR)	7.532	172	1081356	23.22	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery = 46.44%			
62) 2,4,6-Tribromophenol (...	10.078	330	248590	43.92	ug/ml	0.01
Spiked Amount 100.000	Range 33 - 138		Recovery = 43.92%			
74) Terphenyl-d14	14.780	244	715852	24.58	ug/ml	0.00
Spiked Amount 50.000	Range 46 - 136		Recovery = 49.16%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	244369	22.73	ug/ml	98
3) Pyridine	2.622	79	412969m	21.64	ug/ml	
6) Phenol	4.671	94	626171	23.17	ug/ml	98
7) Aniline	4.628	93	623162	23.53	ug/ml	97
8) bis(2-Chloroethyl)ether	4.671	93	610707	23.16	ug/ml	99
9) 2-Chlorophenol	4.745	128	471547	23.03	ug/ml	99
10) 1,3-Dichlorobenzene	4.836	146	528572	22.74	ug/ml	99
11) 1,4-Dichlorobenzene	4.895	146	566630	22.95	ug/ml	99
12) Benzyl Alcohol	5.029	108	327219	23.39	ug/ml	99
13) 1,2-Dichlorobenzene	5.029	146	526034	22.87	ug/ml	100
14) 2-Methylphenol	5.163	108	428457	23.37	ug/ml	99
15) bis(2-chloroisopropyl)...	5.125	45	790424	23.25	ug/ml	99
16) 4-Methylphenol	5.296	108	436035	23.17	ug/ml	99
17) m+p-Cresols	5.296	108	436035	23.17	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.254	70	408001	23.19	ug/ml	100
19) Hexachloroethane	5.334	117	205708	22.81	ug/ml	99
22) Nitrobenzene	5.403	77	547705	22.89	ug/ml	99
23) Isophorone	5.639	82	1004753	22.84	ug/ml	99
24) 2-Nitrophenol	5.714	139	235096	23.10	ug/ml	98
25) 2,4-Dimethylphenol	5.788	122	401465	22.33	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.847	93	550999	22.89	ug/ml	100
27) Benzoic Acid	5.954	105	188007	25.35	ug/ml	97
28) 2,4-Dichlorophenol	6.002	162	345112	22.87	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.056	180	422800	22.70	ug/ml	99
30) Naphthalene	6.141	128	1408745	22.77	ug/ml	100
31) 4-Chloroaniline	6.211	127	415356	20.35	ug/ml	96
32) Hexachlorobutadiene	6.286	225	266684	22.66	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	391494	22.87	ug/ml	100
34) 2-Methylnaphthalene	7.003	142	856183	22.88	ug/ml	100
35) 1-Methylnaphthalene	7.136	142	893157	22.78	ug/ml	100
37) Hexachlorocyclopentadiene	7.233	237	80435	26.64	ug/ml	99
38) 2,4,6-Trichlorophenol	7.436	196	227827	23.11	ug/ml	99
39) 2,4,5-Trichlorophenol	7.532	196	248665	23.88	ug/ml	98
41) 2-Chloronaphthalene	7.709	162	776730	23.08	ug/ml	100
42) 2-Nitroaniline	7.896	65	270784	23.43	ug/ml	99
43) Dimethylphthalate	8.211	163	944794	22.66	ug/ml	100
44) Acenaphthylene	8.377	152	1345047	23.19	ug/ml	100
45) 2,6-Dinitrotoluene	8.297	165	216563	22.77	ug/ml	87
46) 3-Nitroaniline	8.596	138	157782	20.34	ug/ml	95
47) Acenaphthene	8.682	154	779169	23.02	ug/ml	100
48) 2,4-Dinitrophenol	8.784	184	40826	26.20	ug/ml	95
49) 4-Nitrophenol	9.105	65	108283	22.59	ug/ml	97
50) Dibenzofuran	8.982	168	1101332	22.97	ug/ml	100
51) 2,4-Dinitrotoluene	9.003	165	265741	22.98	ug/ml#	70
52) 2,3,4,6-Tetrachlorophenol	9.254	232	183758	23.51	ug/ml	99
53) Diethylphthalate	9.468	149	967081	22.55	ug/ml	100
54) Fluorene	9.607	166	941580	22.73	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.623	204	451961	22.68	ug/ml	100
56) 4-Nitroaniline	9.720	138	145753m	21.98	ug/ml	
58) 1,2-Diphenylhydrazine	9.928	77	1001926	22.77	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.768	198	100756	21.76	ug/ml	97
60) Diphenylamine	9.869	169	733939	22.78	ug/ml	100
61) n-Nitrosodiphenylamine	9.869	169	733939	22.78	ug/ml	100
63) 4-Bromophenyl-phenylether	10.559	248	247018	22.61	ug/ml	100
64) Hexachlorobenzene	10.682	284	271309	22.58	ug/ml	100
65) Pentachlorophenol	11.126	266	73730	18.36	ug/ml	98
66) Phenanthrene	11.469	178	1179677	22.59	ug/ml	100
67) Anthracene	11.570	178	1130479	22.45	ug/ml	100
68) Carbazole	11.939	167	864484	21.16	ug/ml	99
69) Di-n-butylphthalate	12.752	149	1423397	22.31	ug/ml	100
70) Fluoranthene	13.913	202	1067679	22.08	ug/ml	100
72) Benzidine	14.261	184	87648	9.47	ug/ml#	98
73) Pyrene	14.373	202	1088938	24.96	ug/ml	100
75) Butylbenzylphthalate	15.871	149	485737	24.22	ug/ml	99
76) Benzo(a)anthracene	16.924	228	812974	22.74	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.930	252	138669	16.76	ug/ml	96
78) Chrysene	16.994	228	708906	22.98	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.138	149	651935	24.03	ug/ml	100
81) Di-n-octylphthalate	18.427	149	896856	24.26	ug/ml#	100
82) Benzo(b)fluoranthene	19.053	252	582784	22.73	ug/ml	100
83) Benzo(k)fluoranthene	19.101	252	575526	22.94	ug/ml	100
84) Benzo(a)pyrene	19.636	252	510132	22.54	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.915	276	456792	22.49	ug/ml	100
86) Dibenz(a,h)anthracene	21.947	278	371245	22.44	ug/ml	99
87) Benzo(g,h,i)perylene	22.535	276	360667	20.63	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

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

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

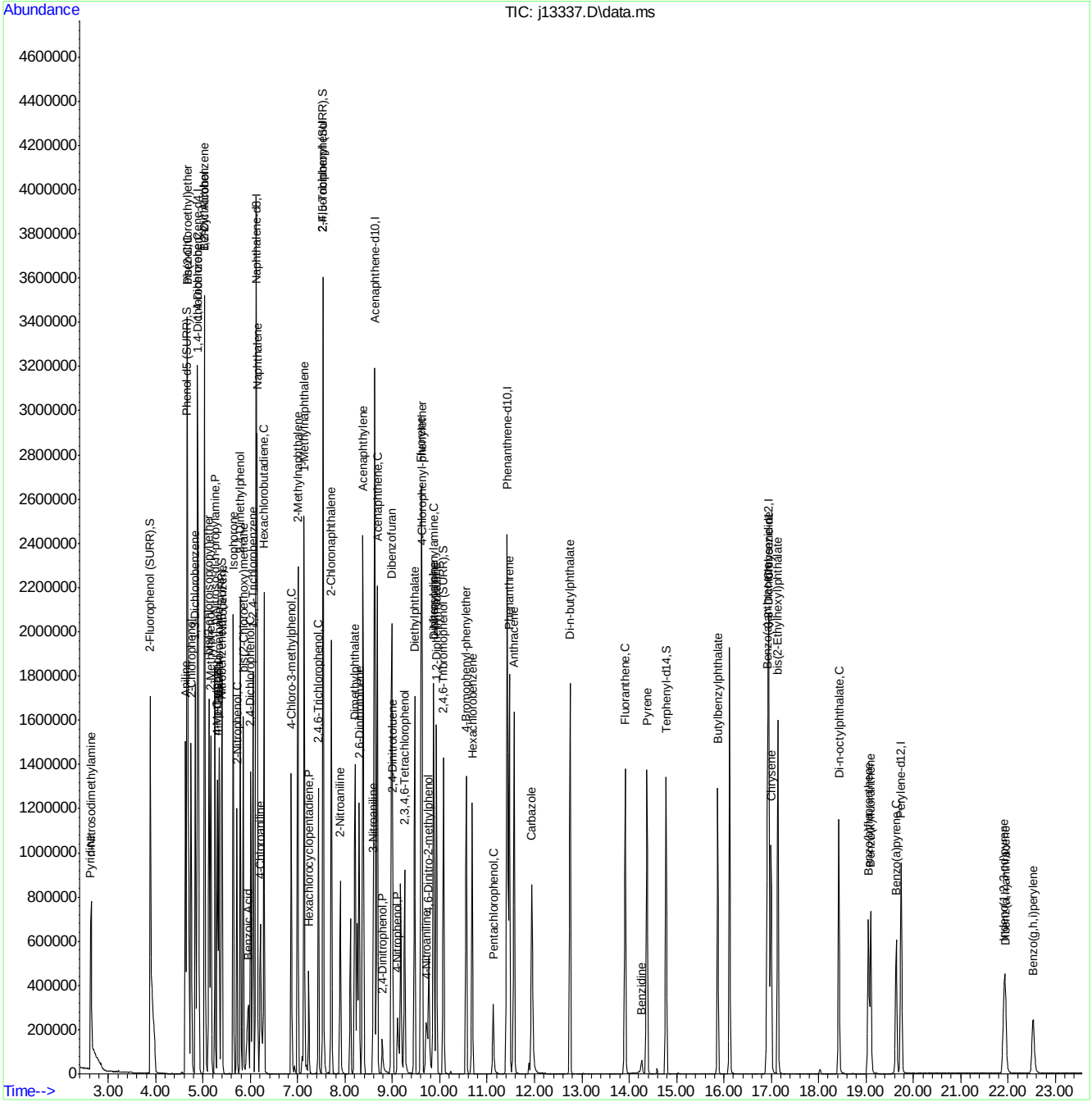
8.6.31

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration

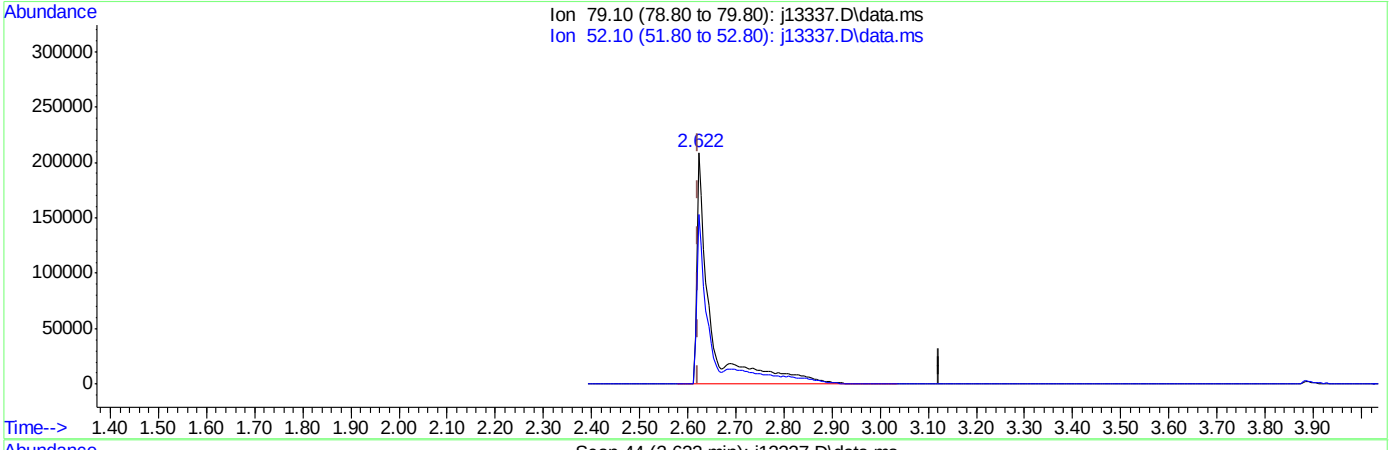


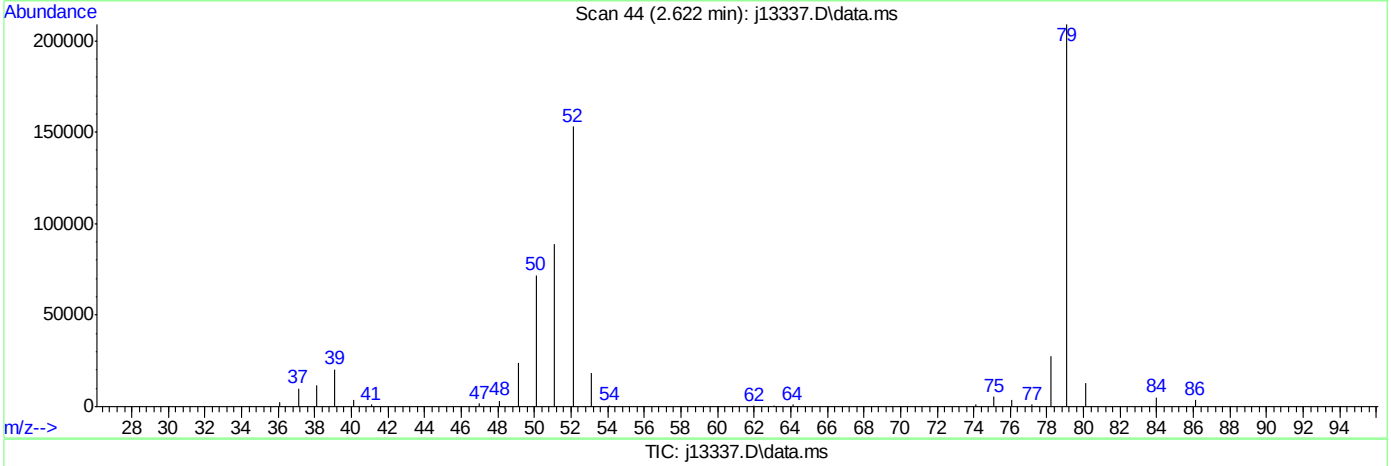
ACCUTEST Laboratories T39187

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On    : 23 Sep 2009  12:53 pm
Operator  : sheilac
Sample    : ic615-25
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration
```





(3) Pyridine

2.622min (+0.000) 21.64ug/ml m

response 412969

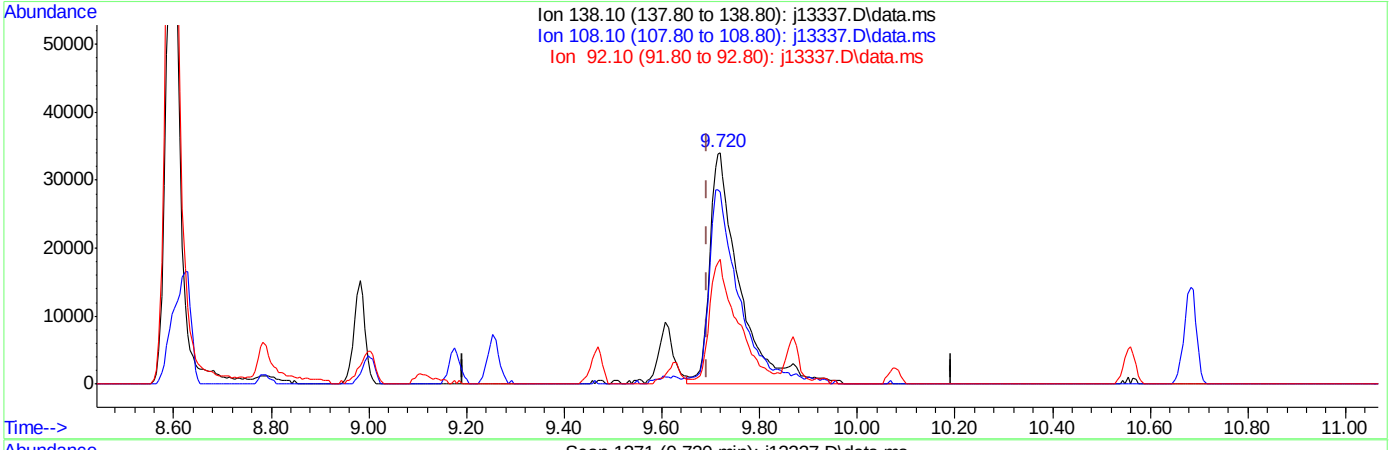
Ion	Exp%	Act%
79.10	100	100
52.10	48.30	48.26
0.00	0.00	0.00
0.00	0.00	0.00

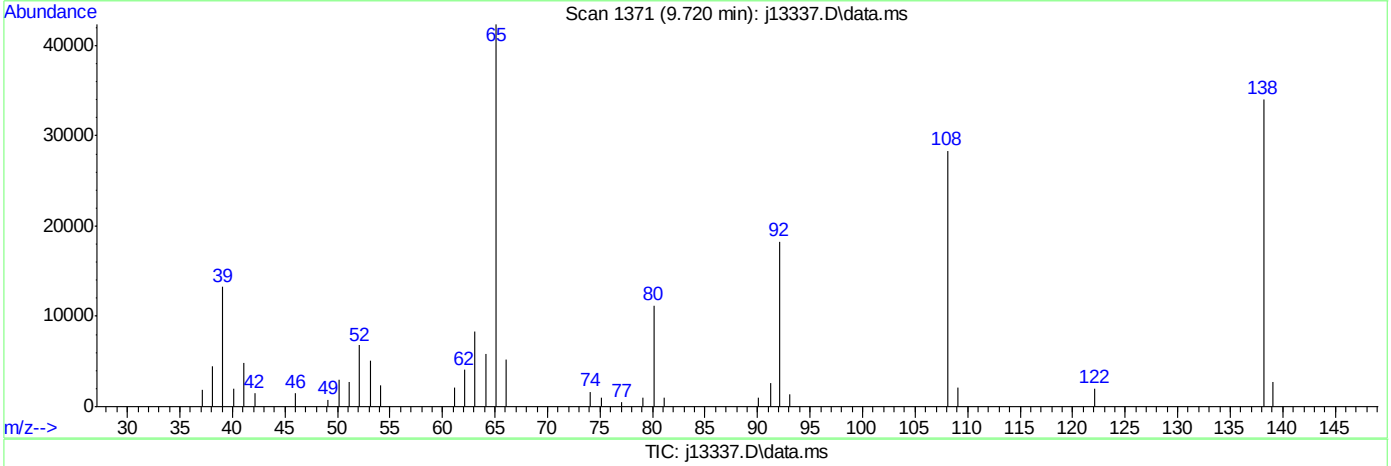
ACCUTEST Laboratories

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13337.D
Acq On : 23 Sep 2009 12:53 pm
Operator : sheilac
Sample : ic615-25
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 14:32:16 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:15:48 2009
Response via : Initial Calibration





TIC: j13337.D\data.ms

(56) 4-Nitroaniline

9.720min (+0.027) 21.98ug/ml m

response 145753

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	75.98
92.10	53.80	49.30
0.00	0.00	0.00

ACCUTEST Laboratories

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.890	152	653336	40.00	ug/ml	0.00
20) Naphthalene-d8	6.136	136	2372869	40.00	ug/ml	0.02
36) Acenaphthene-d10	8.645	164	1357741	40.00	ug/ml	0.02
57) Phenanthrene-d10	11.447	188	1892973	40.00	ug/ml	0.02
71) Chrysene-d12	16.978	240	1520338	40.00	ug/ml	0.03
80) Perylene-d12	19.759	264	820076	40.00	ug/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.885	112	4167420	189.67	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery = 189.67%#			
5) Phenol-d5 (SURR)	4.676	99	4881596	175.46	ug/ml	0.02
Spiked Amount 100.000	Range 23 - 114		Recovery = 175.46%#			
21) Nitrobenzene-d5 (SURR)	5.414	82	2509457	94.94	ug/ml	0.03
Spiked Amount 50.000	Range 36 - 126		Recovery = 189.88%#			
40) 2-Fluorobiphenyl (SURR)	7.559	172	5603200	102.01	ug/ml	0.03
Spiked Amount 50.000	Range 34 - 132		Recovery = 204.02%#			
62) 2,4,6-Tribromophenol (...	10.132	330	1554070	253.77	ug/ml	0.05
Spiked Amount 100.000	Range 33 - 138		Recovery = 253.77%#			
74) Terphenyl-d14	14.806	244	3757901	100.75	ug/ml	0.03
Spiked Amount 50.000	Range 46 - 136		Recovery = 201.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.654	74	1089484	91.14	ug/ml	98
3) Pyridine	2.638	79	1929938	91.77	ug/ml#	63
6) Phenol	4.692	94	2613323	86.65	ug/ml	96
7) Aniline	4.644	93	2814143	94.92	ug/ml	99
8) bis(2-Chloroethyl)ether	4.687	93	2557135	86.89	ug/ml	92
9) 2-Chlorophenol	4.756	128	2175701	95.32	ug/ml	98
10) 1,3-Dichlorobenzene	4.847	146	2473298	95.66	ug/ml	99
11) 1,4-Dichlorobenzene	4.906	146	2669427	97.03	ug/ml	100
12) Benzyl Alcohol	5.067	108	1544241	98.72	ug/ml	97
13) 1,2-Dichlorobenzene	5.045	146	2556187	99.82	ug/ml	100
14) 2-Methylphenol	5.168	108	1965583	95.92	ug/ml	99
15) bis(2-chloroisopropyl)...	5.136	45	3208339	84.50	ug/ml	96
16) 4-Methylphenol	5.323	108	2183458	103.94	ug/ml	99
17) m+p-Cresols	5.323	108	2183458	103.94	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.297	70	1879450	95.71	ug/ml	99
19) Hexachloroethane	5.339	117	995186	99.15	ug/ml	95
22) Nitrobenzene	5.436	77	2459865	94.38	ug/ml	97
23) Isophorone	5.676	82	4520656m	94.39	ug/ml	
24) 2-Nitrophenol	5.735	139	1277524	115.04	ug/ml	97
25) 2,4-Dimethylphenol	5.821	122	1934983	99.26	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.874	93	2525016	96.31	ug/ml	100
27) Benzoic Acid	6.061	105	1116577m	135.53	ug/ml	
28) 2,4-Dichlorophenol	6.024	162	1812719	110.31	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.067	180	2095633	103.48	ug/ml	99
30) Naphthalene	6.163	128	6697331	99.49	ug/ml	100
31) 4-Chloroaniline	6.233	127	2374572	109.09	ug/ml	98
32) Hexachlorobutadiene	6.302	225	1323992	103.47	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.874	107	2026122	108.70 ug/ml	100
34) 2-Methylnaphthalene	7.019	142	4165107	102.22 ug/ml	100
35) 1-Methylnaphthalene	7.163	142	4360809	102.21 ug/ml	100
37) Hexachlorocyclopentadiene	7.243	237	676952	184.93 ug/ml	100
38) 2,4,6-Trichlorophenol	7.457	196	1236425	106.41 ug/ml	99
39) 2,4,5-Trichlorophenol	7.543	196	1422460	115.19 ug/ml	99
41) 2-Chloronaphthalene	7.736	162	3944428	99.50 ug/ml	100
42) 2-Nitroaniline	7.933	65	1259120	92.21 ug/ml	98
43) Dimethylphthalate	8.276	163	4532188	92.59 ug/ml	100
44) Acenaphthylene	8.415	152	6430718	94.03 ug/ml	100
45) 2,6-Dinitrotoluene	8.361	165	1103879	98.77 ug/ml	97
46) 3-Nitroaniline	8.656	138	1012309	113.28 ug/ml	96
47) Acenaphthene	8.720	154	3855974	96.74 ug/ml	100
48) 2,4-Dinitrophenol	8.832	184	412735	219.26 ug/ml	95
49) 4-Nitrophenol	9.110	65	666392m	118.49 ug/ml	
50) Dibenzofuran	9.019	168	5588416	99.03 ug/ml	100
51) 2,4-Dinitrotoluene	9.067	165	1316685	96.72 ug/ml	84
52) 2,3,4,6-Tetrachlorophenol	9.287	232	1049502	113.59 ug/ml	98
53) Diethylphthalate	9.538	149	4800558	95.44 ug/ml	100
54) Fluorene	9.650	166	5021357	103.19 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.661	204	2585640	110.49 ug/ml	96
56) 4-Nitroaniline	9.827	138	879310m	116.71 ug/ml	
58) 1,2-Diphenylhydrazine	9.971	77	5276014	106.84 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.864	198	653734	99.33 ug/ml	93
60) Diphenylamine	9.934	169	3783863	104.15 ug/ml	98
61) n-Nitrosodiphenylamine	9.934	169	3783863	104.15 ug/ml	98
63) 4-Bromophenyl-phenylether	10.592	248	1291235	105.37 ug/ml	99
64) Hexachlorobenzene	10.725	284	1384001	102.13 ug/ml	98
65) Pentachlorophenol	11.148	266	559890	138.85 ug/ml	97
66) Phenanthrene	11.512	178	5978928	101.64 ug/ml	100
67) Anthracene	11.613	178	5766161	101.94 ug/ml	99
68) Carbazole	11.982	167	4609994	101.43 ug/ml	99
69) Di-n-butylphthalate	12.785	149	7042542	97.86 ug/ml	100
70) Fluoranthene	13.951	202	5295633	97.25 ug/ml	99
72) Benzidine	14.288	184	1570551	150.82 ug/ml	100
73) Pyrene	14.416	202	5283007	94.25 ug/ml	100
75) Butylbenzylphthalate	15.898	149	2379700	92.92 ug/ml	98
76) Benzo(a)anthracene	16.957	228	4435422	98.32 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.957	252	1267345	127.63 ug/ml	98
78) Chrysene	17.042	228	3567591m	91.47 ug/ml	
79) bis(2-Ethylhexyl)phtha...	17.160	149	3269116	94.49 ug/ml	99
81) Di-n-octylphthalate	18.449	149	4536280	114.39 ug/ml	100
82) Benzo(b)fluoranthene	19.091	252	3051122	112.35 ug/ml	99
83) Benzo(k)fluoranthene	19.144	252	2510236m	94.28 ug/ml	
84) Benzo(a)pyrene	19.674	252	2521059	105.32 ug/ml	99
85) Indeno(1,2,3-cd)pyrene	21.952	276	1945284	90.60 ug/ml	99
86) Dibenz(a,h)anthracene	21.984	278	1676636	95.90 ug/ml	100
87) Benzo(g,h,i)perylene	22.573	276	1360221	80.39 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

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

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

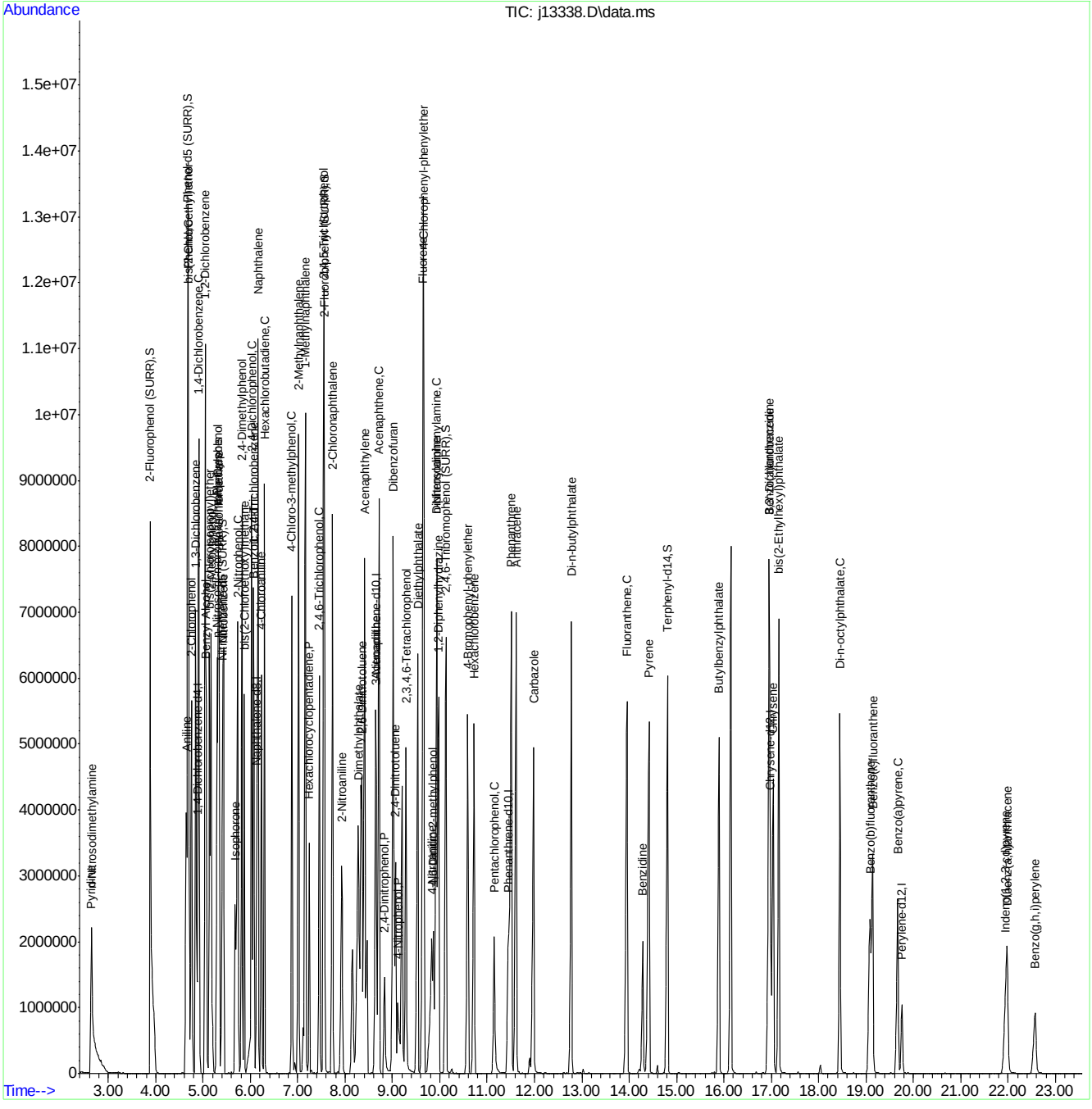
8.6.32

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On : 23 Sep 2009 1:22 pm
Operator : sheilac
Sample : ic615-100
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

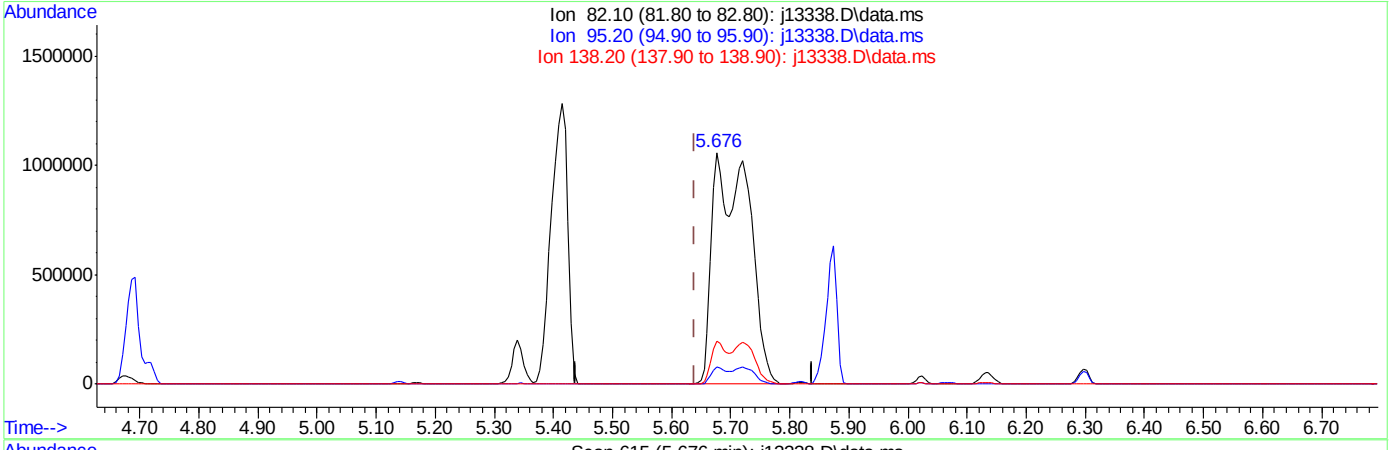
Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration

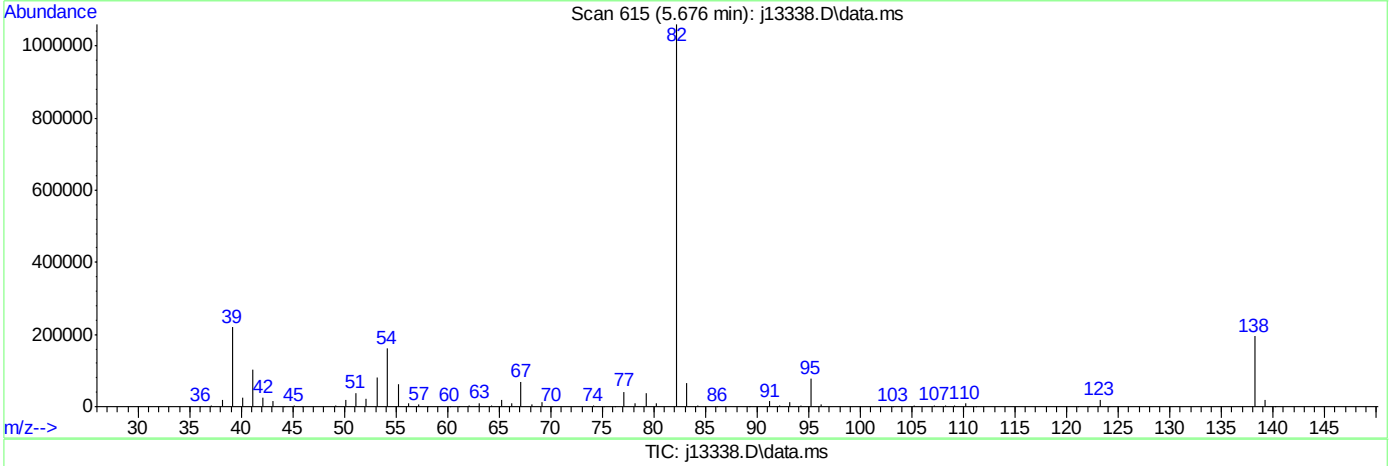


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(23) Isophorone

5.676min (+0.037) 94.39ug/ml m

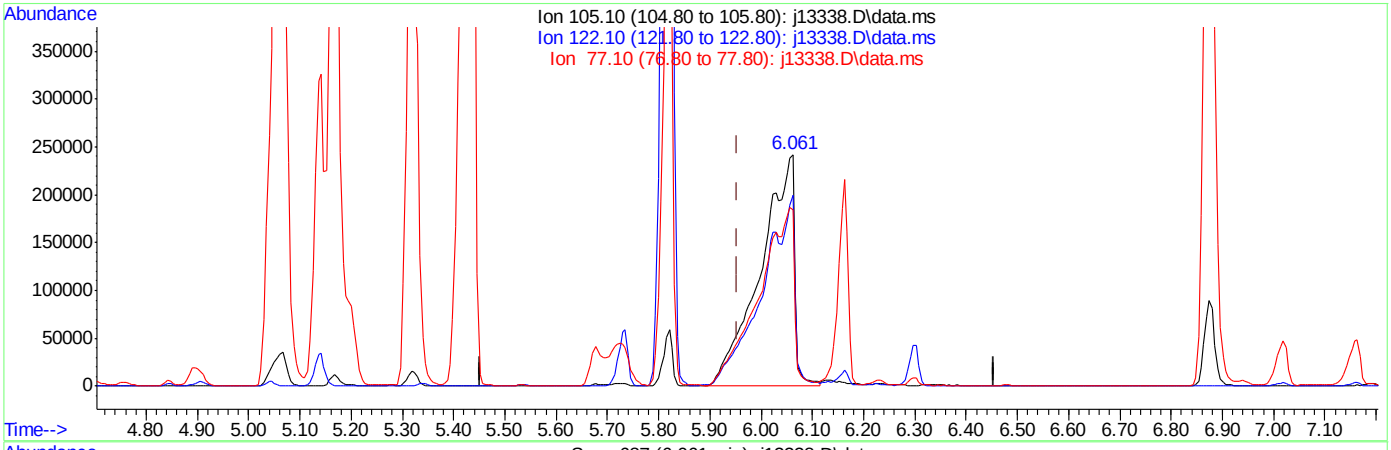
response 4520656

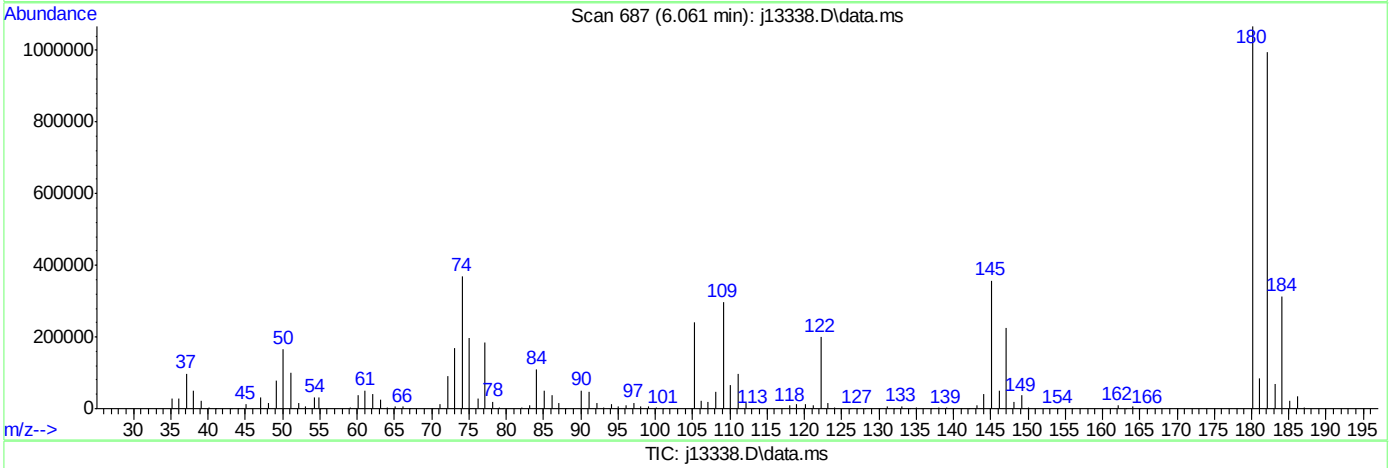
Ion	Exp%	Act%
82.10	100	100
95.20	7.30	3.21
138.20	18.50	8.03
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(27) Benzoic Acid

6.061min (+0.107) 135.53ug/ml m

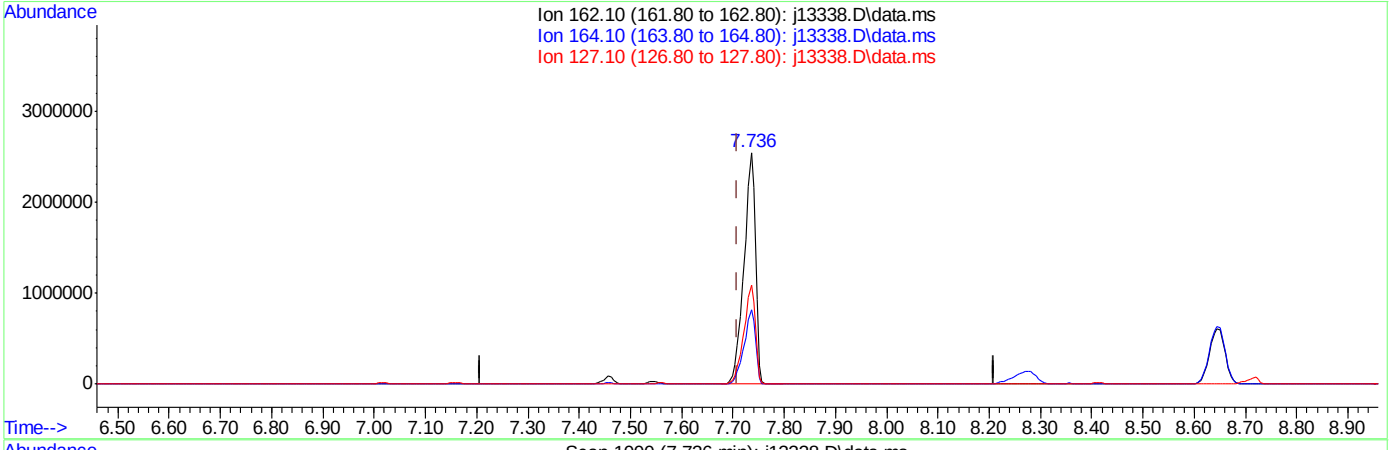
response 1116577

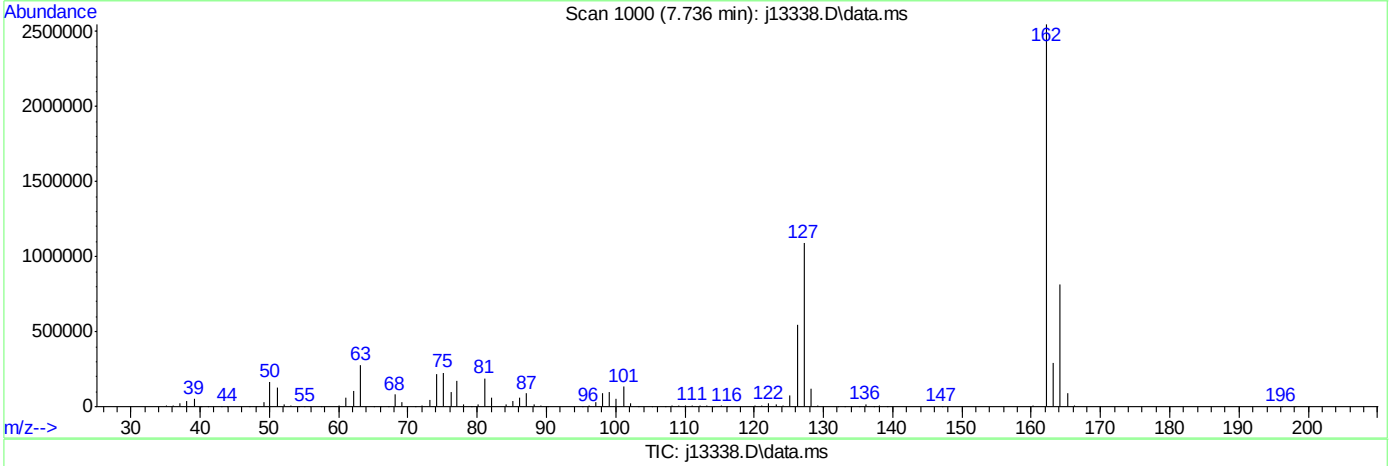
Ion	Exp%	Act%
105.10	100	100
122.10	75.20	53.58#
77.10	81.90	55.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(41) 2-Chloronaphthalene

7.736min (+0.027) 99.50ug/ml

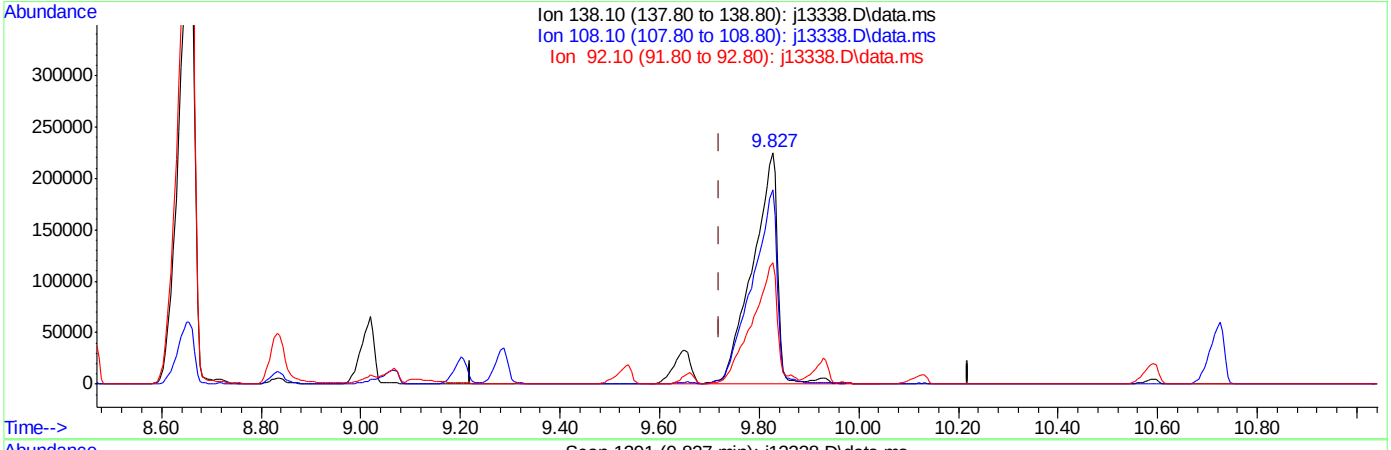
response 3944428

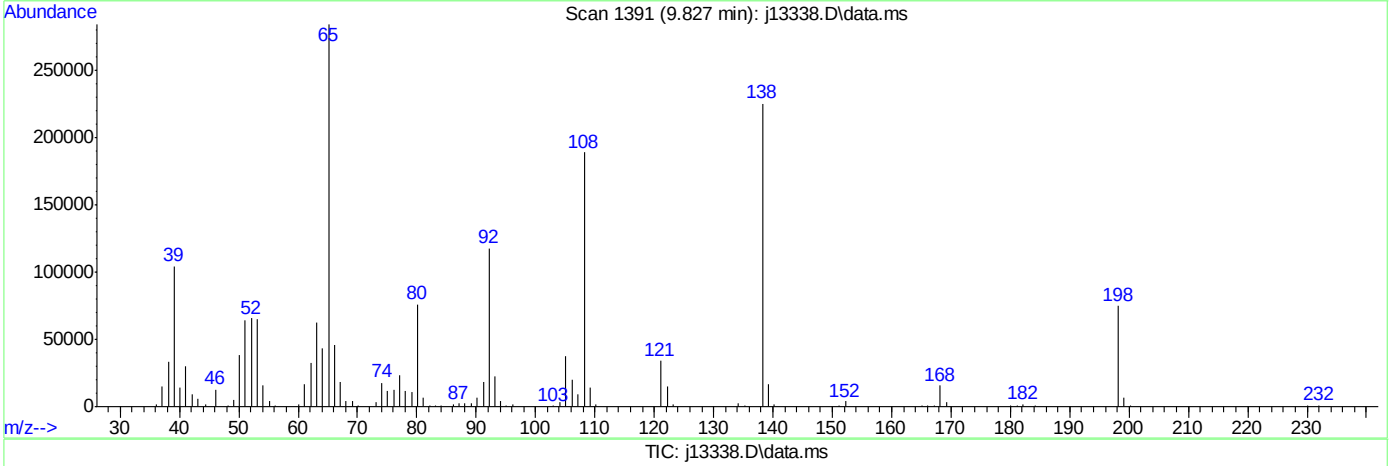
Ion	Exp%	Act%
162.10	100	100
164.10	32.20	32.10
127.10	42.60	42.92
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(56) 4-Nitroaniline

9.827min (+0.107) 116.71ug/ml m

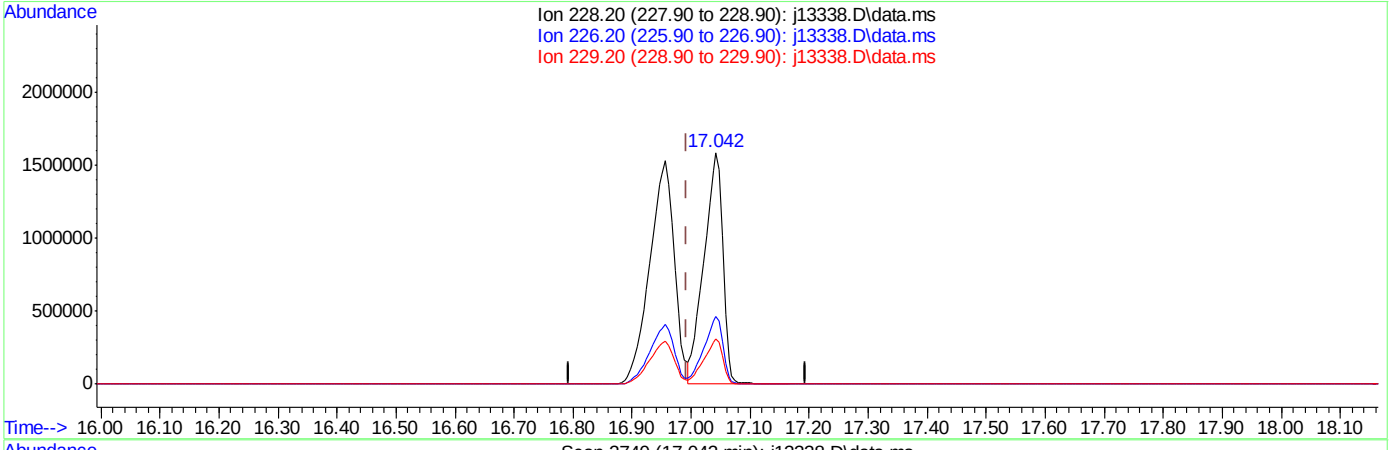
response 879310

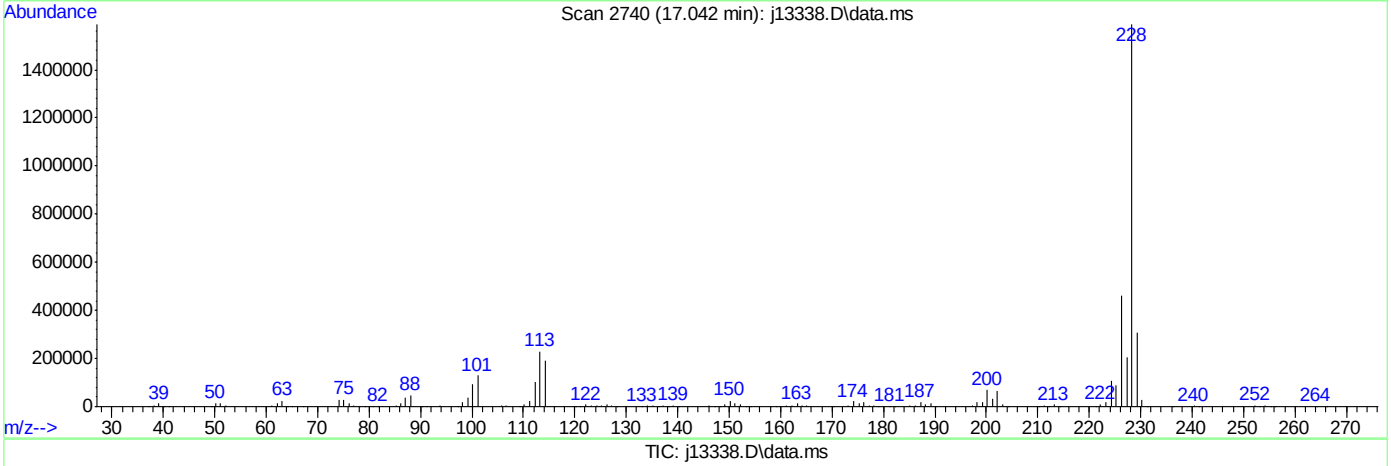
Ion	Exp%	Act%
138.10	100	100
108.10	87.60	75.04
92.10	53.80	48.35
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(78) Chrysene

17.042min (+0.048) 91.47ug/ml m

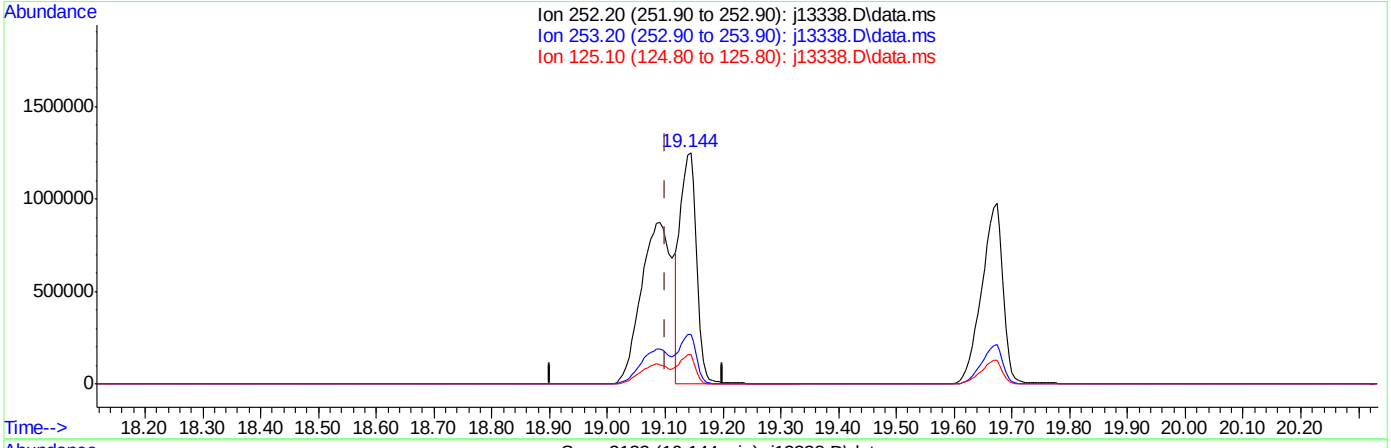
response 3567591

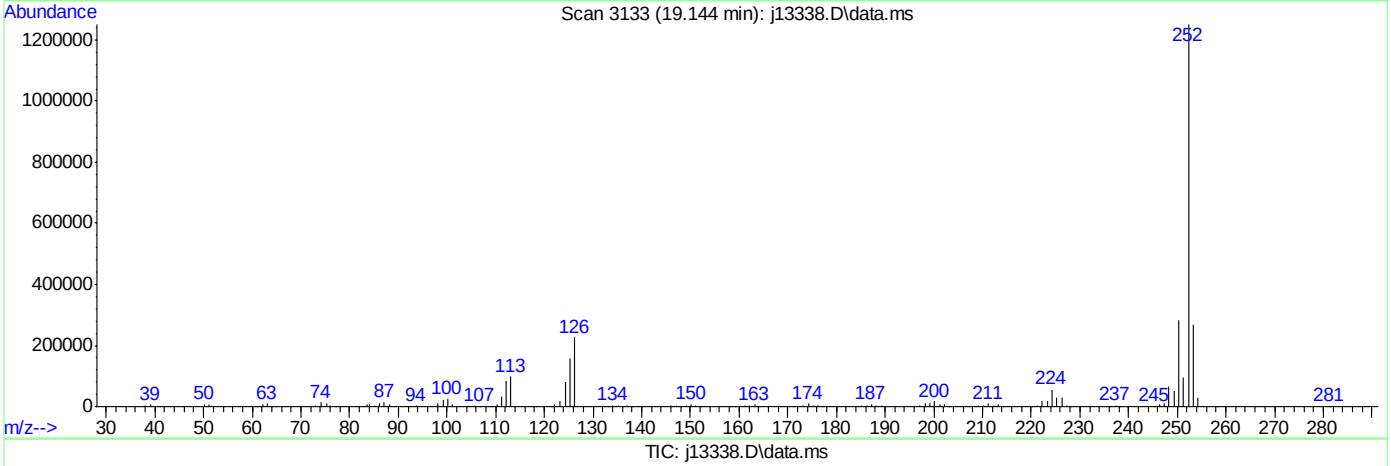
Ion	Exp%	Act%
228.20	100	100
226.20	29.20	33.25
229.20	19.70	24.33
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13338.D
Acq On    : 23 Sep 2009   1:22 pm
Operator  : sheilac
Sample    : ic615-100
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Sep 23 14:31:42 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:16:53 2009
Response via : Initial Calibration
```





TIC: j13338.D\data.ms

(83) Benzo(k)fluoranthene

19.144min (+0.043) 94.28ug/ml m

response 2510236

Ion	Exp%	Act%
252.20	100	100
253.20	22.10	26.74
125.10	11.90	14.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.890	152	585383	40.00	ug/ml	0.00
20) Naphthalene-d8	6.136	136	2197556	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.650	164	1270566	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.453	188	1807408	40.00	ug/ml	0.00
71) Chrysene-d12	16.983	240	1521064	40.00	ug/ml	0.00
80) Perylene-d12	19.765	264	740179	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.879	112	4409261	225.92	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery	= 225.92%#		
5) Phenol-d5 (SURR)	4.676	99	5212509	213.46	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery	= 213.46%#		
21) Nitrobenzene-d5 (SURR)	5.419	82	2797192	115.24	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery	= 230.48%#		
40) 2-Fluorobiphenyl (SURR)	7.570	172	6418422	124.45	ug/ml	0.01
Spiked Amount 50.000	Range 34 - 132		Recovery	= 248.90%#		
62) 2,4,6-Tribromophenol (...	10.142	330	1883746	308.35	ug/ml	0.01
Spiked Amount 100.000	Range 33 - 138		Recovery	= 308.35%#		
74) Terphenyl-d14	14.817	244	4531611	121.28	ug/ml	0.01
Spiked Amount 50.000	Range 46 - 136		Recovery	= 242.56%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.649	74	1149377	108.92	ug/ml	98
3) Pyridine	2.633	79	2081159m	111.98	ug/ml	
6) Phenol	4.692	94	2785905	105.44	ug/ml	95
7) Aniline	4.644	93	2984688	113.31	ug/ml	98
8) bis(2-Chloroethyl)ether	4.687	93	2850787	110.53	ug/ml	90
9) 2-Chlorophenol	4.756	128	2349467	115.79	ug/ml	98
10) 1,3-Dichlorobenzene	4.842	146	2641174	114.84	ug/ml	98
11) 1,4-Dichlorobenzene	4.906	146	2854845	116.40	ug/ml	99
12) Benzyl Alcohol	5.072	108	1711365	122.36	ug/ml	98
13) 1,2-Dichlorobenzene	5.045	146	2754757	120.10	ug/ml	99
14) 2-Methylphenol	5.168	108	2182154	119.66	ug/ml	99
15) bis(2-chloroisopropyl)...	5.141	45	3457638	104.33	ug/ml	93
16) 4-Methylphenol	5.323	108	2500507	131.99	ug/ml	98
17) m+p-Cresols	5.323	108	2500507	131.99	ug/ml	98
18) n-Nitroso-di-n-propyla...	5.302	70	2129240	121.88	ug/ml	98
19) Hexachloroethane	5.339	117	1056894	117.69	ug/ml	91
22) Nitrobenzene	5.436	77	2726209	114.01	ug/ml	96
23) Isophorone	5.730	82	5091953m	115.88	ug/ml	
24) 2-Nitrophenol	5.735	139	1503939	142.66	ug/ml	94
25) 2,4-Dimethylphenol	5.826	122	2180346	120.92	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.879	93	2817207	116.74	ug/ml	100
27) Benzoic Acid	6.077	105	1368372m	169.32	ug/ml	
28) 2,4-Dichlorophenol	6.029	162	2084896	134.68	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.072	180	2385102	126.43	ug/ml	99
30) Naphthalene	6.168	128	7552352	121.24	ug/ml	99
31) 4-Chloroaniline	6.238	127	2754946	134.62	ug/ml	98
32) Hexachlorobutadiene	6.302	225	1478219	124.02	ug/ml	99

8.6.33
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.880	107	2333812	133.26 ug/ml	99
34) 2-Methylnaphthalene	7.024	142	4720009	124.62 ug/ml	99
35) 1-Methylnaphthalene	7.168	142	4958699	125.03 ug/ml	100
37) Hexachlorocyclopentadiene	7.249	237	855974	218.89 ug/ml	99
38) 2,4,6-Trichlorophenol	7.463	196	1448963	131.85 ug/ml	99
39) 2,4,5-Trichlorophenol	7.548	196	1682622	142.02 ug/ml	99
41) 2-Chloronaphthalene	7.741	162	4554027	122.86 ug/ml	100
42) 2-Nitroaniline	7.944	65	1432831	113.61 ug/ml	96
43) Dimethylphthalate	8.286	163	5202999	115.01 ug/ml	100
44) Acenaphthylene	8.420	152	7463277	117.79 ug/ml	100
45) 2,6-Dinitrotoluene	8.372	165	1350009	129.35 ug/ml	97
46) 3-Nitroaniline	8.671	138	1154785	135.10 ug/ml	95
47) Acenaphthene	8.725	154	4465679	120.38 ug/ml	100
48) 2,4-Dinitrophenol	8.848	184	517414	245.02 ug/ml	94
49) 4-Nitrophenol	9.110	65	713297m	136.06 ug/ml	
50) Dibenzofuran	9.024	168	6506890	123.42 ug/ml	100
51) 2,4-Dinitrotoluene	9.078	165	1510372	119.21 ug/ml	86
52) 2,3,4,6-Tetrachlorophenol	9.292	232	1242751	140.55 ug/ml	98
53) Diethylphthalate	9.554	149	5565600	119.14 ug/ml	99
54) Fluorene	9.656	166	5785714	126.38 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.672	204	3055555	137.13 ug/ml	94
56) 4-Nitroaniline	9.854	138	961115m	135.71 ug/ml	
58) 1,2-Diphenylhydrazine	9.982	77	6034221	126.54 ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.880	198	796818	125.68 ug/ml	91
60) Diphenylamine	9.944	169	4513504	129.22 ug/ml	98
61) n-Nitrosodiphenylamine	9.944	169	4513504	129.22 ug/ml	98
63) 4-Bromophenyl-phenylether	10.597	248	1522169	128.94 ug/ml	98
64) Hexachlorobenzene	10.736	284	1625789	125.21 ug/ml	98
65) Pentachlorophenol	11.153	266	684175	164.90 ug/ml	98
66) Phenanthrene	11.517	178	6987134	124.07 ug/ml	100
67) Anthracene	11.624	178	6779599	125.13 ug/ml	100
68) Carbazole	11.988	167	5455544	125.41 ug/ml	100
69) Di-n-butylphthalate	12.790	149	8294083	121.14 ug/ml	100
70) Fluoranthene	13.961	202	6273920	121.23 ug/ml	100
72) Benzidine	14.298	184	2026372	194.50 ug/ml	100
73) Pyrene	14.421	202	6309398	113.59 ug/ml	100
75) Butylbenzylphthalate	15.903	149	2821959	111.45 ug/ml	97
76) Benzo(a)anthracene	16.962	228	5268693	117.06 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.967	252	1652656	159.03 ug/ml	98
78) Chrysene	17.053	228	4151967	107.94 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.165	149	3874897	112.99 ug/ml	99
81) Di-n-octylphthalate	18.459	149	5269490	143.78 ug/ml	100
82) Benzo(b)fluoranthene	19.096	252	3373105	134.83 ug/ml	100
83) Benzo(k)fluoranthene	19.149	252	2801070	117.68 ug/ml	99
84) Benzo(a)pyrene	19.679	252	2781130	127.59 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.952	276	1893473	99.26 ug/ml	99
86) Dibenz(a,h)anthracene	21.990	278	1647338	105.11 ug/ml	100
87) Benzo(g,h,i)perylene	22.573	276	1258406	85.18 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration

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

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

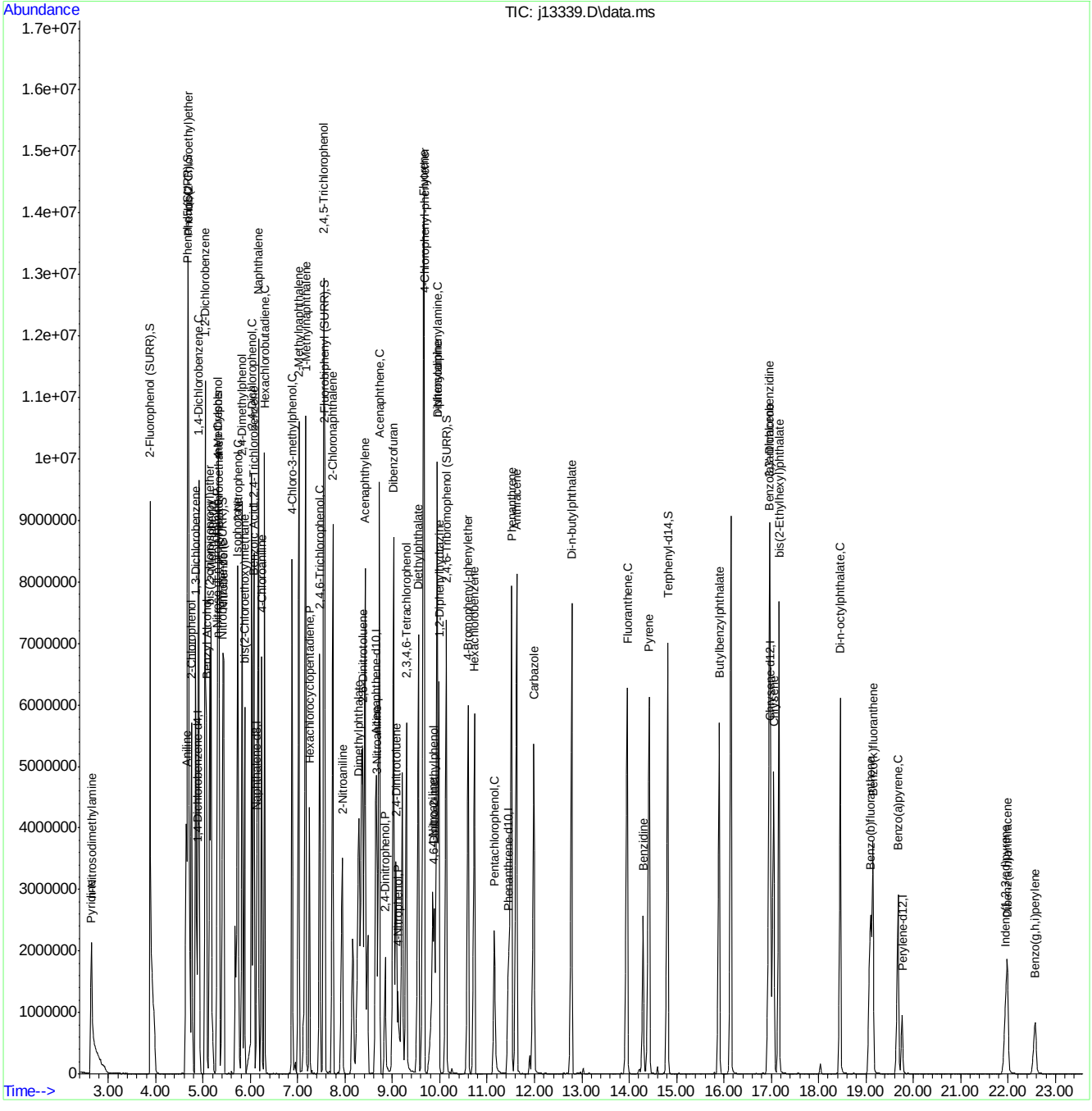
8.6.33

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On    : 23 Sep 2009   1:52 pm
Operator  : sheilac
Sample    : ic615-125
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 8   Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration
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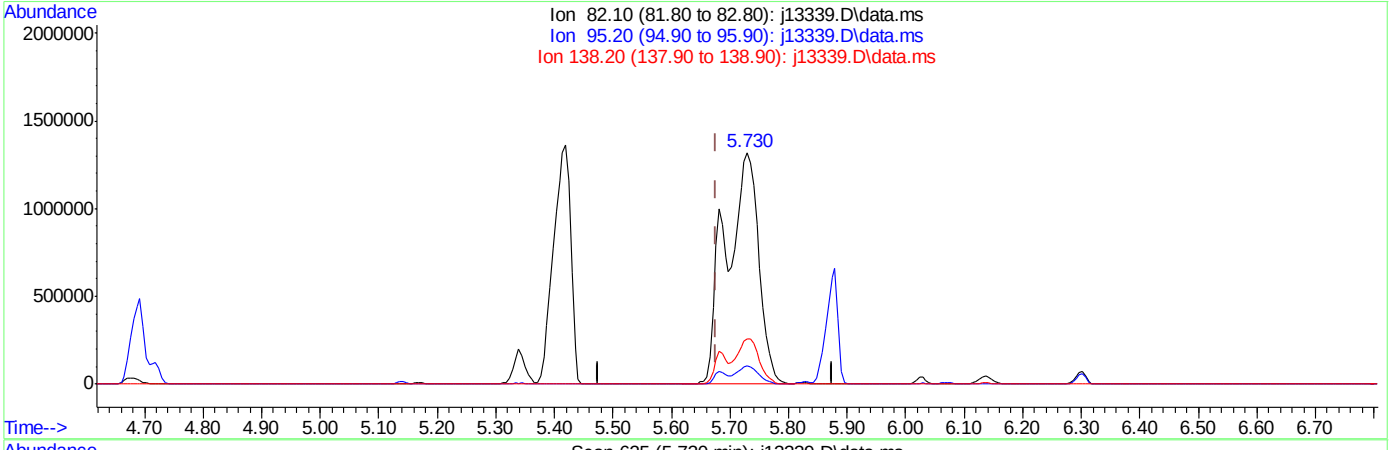
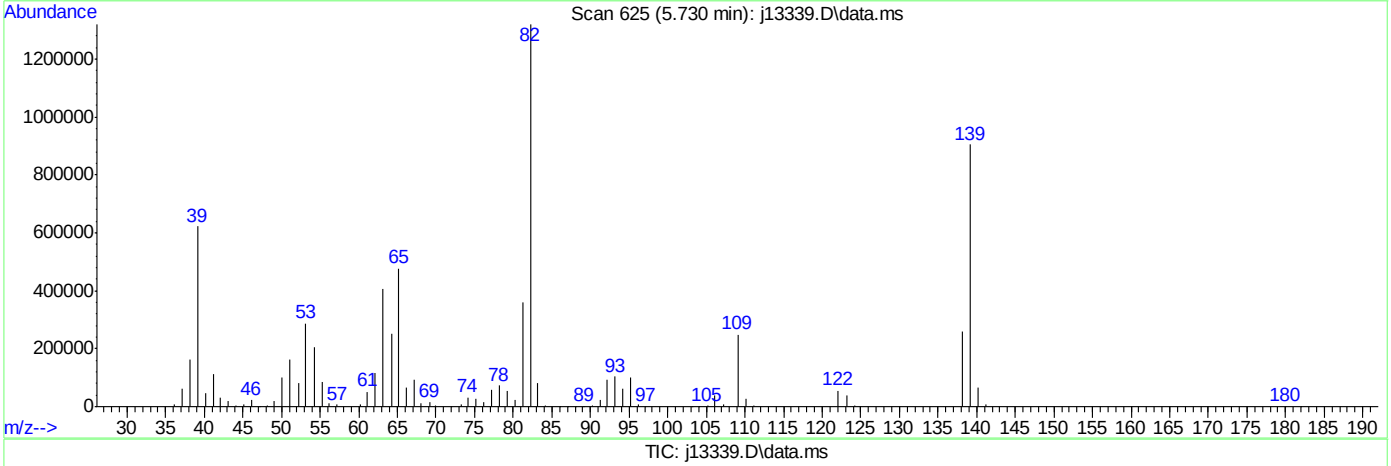




(23) Isophorone

5.730min (+0.054) 115.88ug/ml m

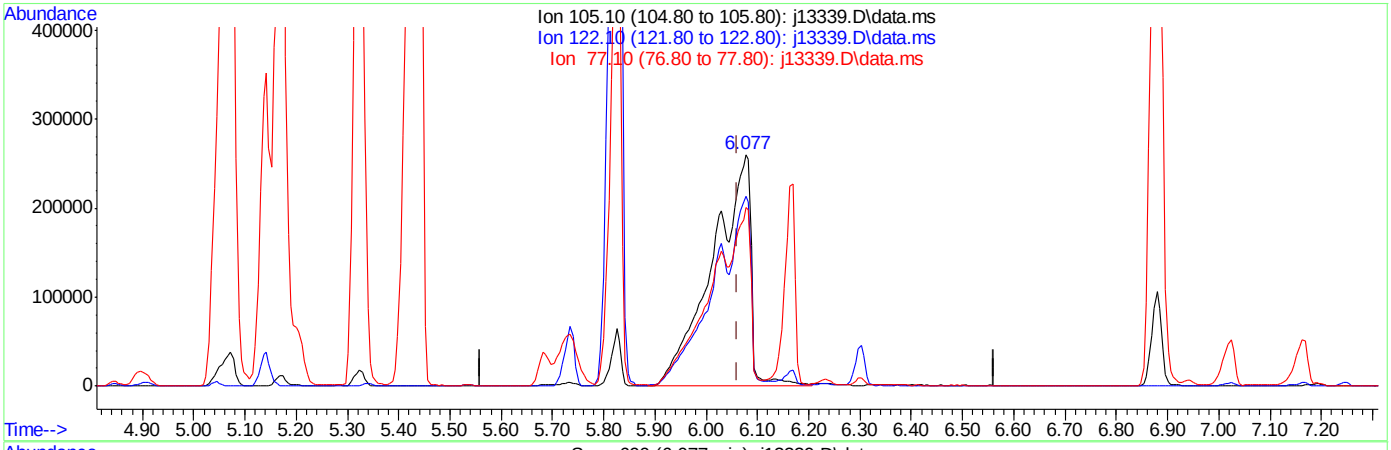
response 5091953

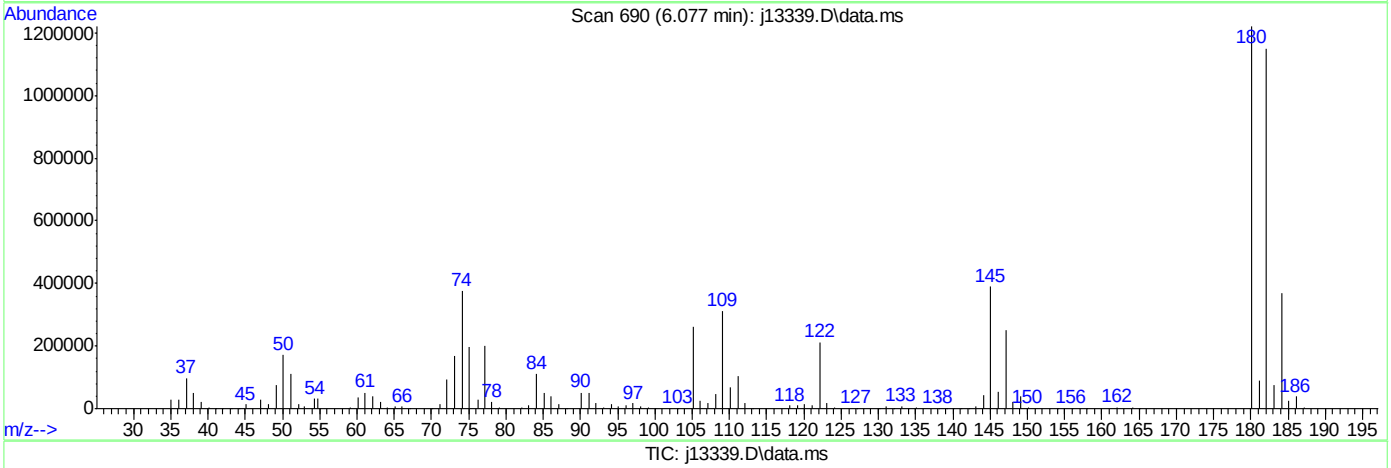
Ion	Exp%	Act%
82.10	100	100
95.20	7.30	2.51
138.20	18.50	5.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(27) Benzoic Acid

6.077min (+0.016) 169.32ug/ml m

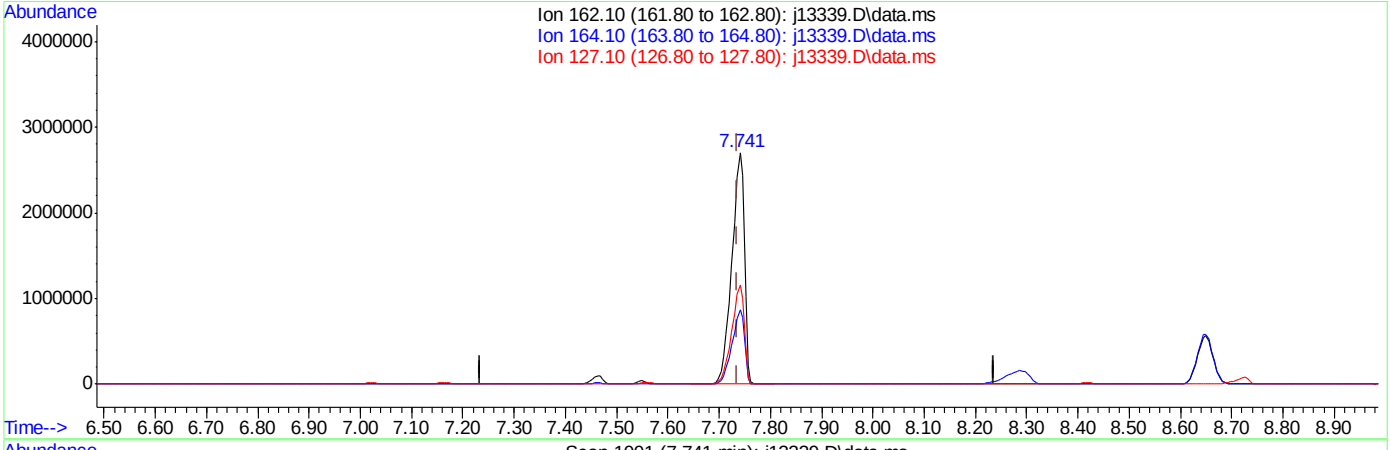
response 1368372

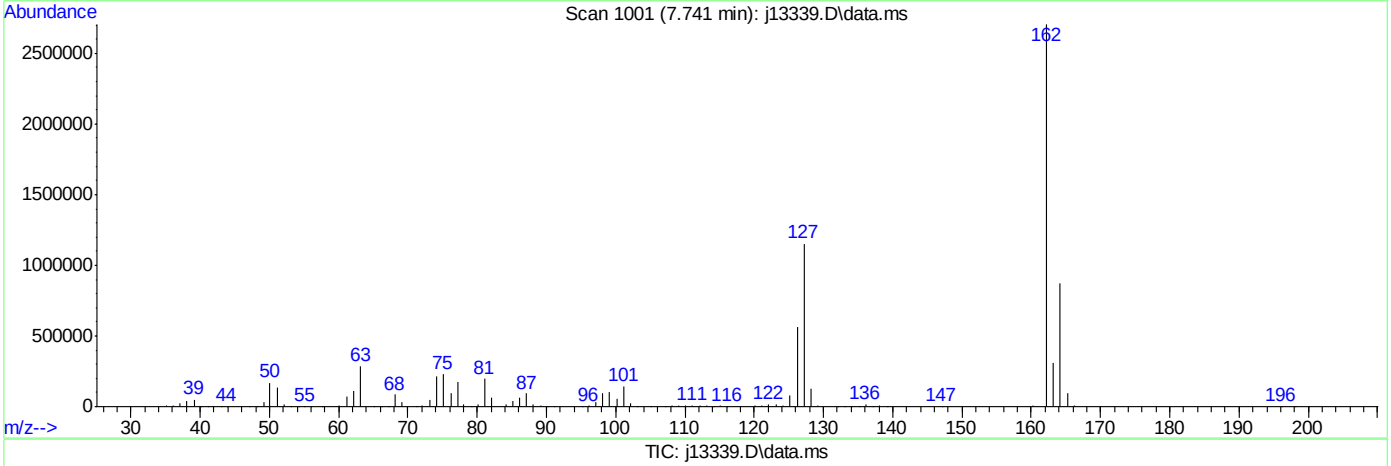
Ion	Exp%	Act%
105.10	100	100
122.10	75.20	34.58#
77.10	81.90	29.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(41) 2-Chloronaphthalene

7.741min (+0.005) 122.86ug/ml

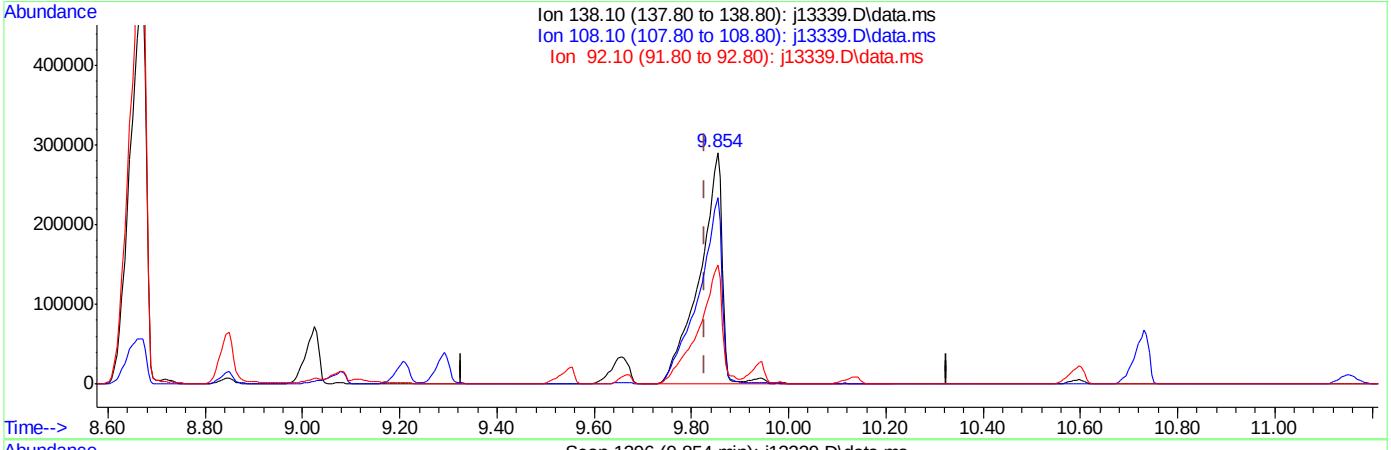
response 4554027

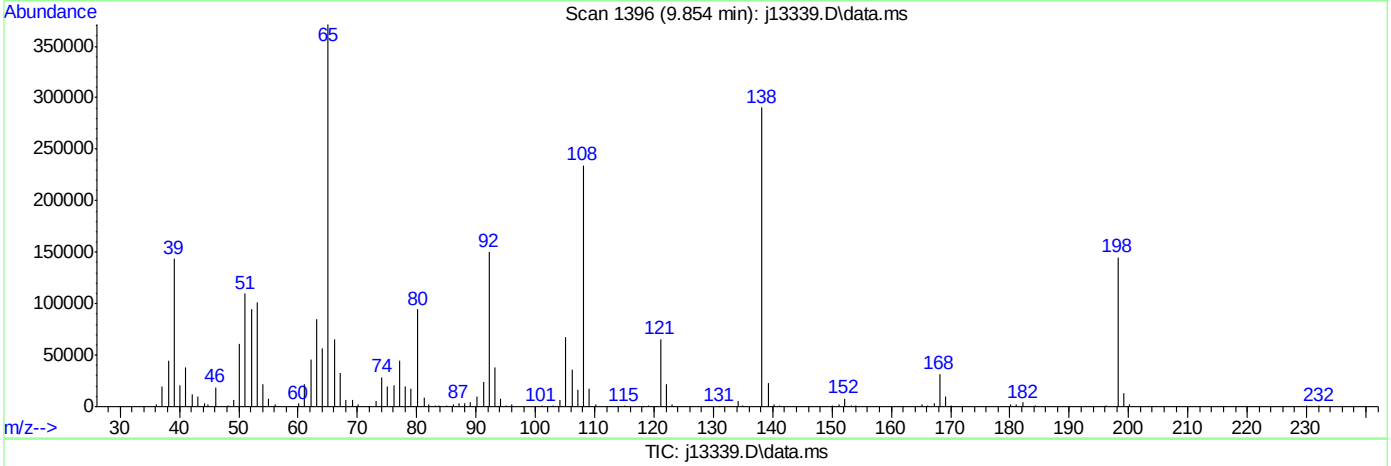
Ion	Exp%	Act%
162.10	100	100
164.10	32.20	32.17
127.10	42.60	42.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13339.D
Acq On : 23 Sep 2009 1:52 pm
Operator : sheilac
Sample : ic615-125
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 14:39:44 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 13:54:24 2009
Response via : Initial Calibration





TIC: j13339.D\data.ms

(56) 4-Nitroaniline

9.854min (+0.027) 135.71ug/ml m

response 961115

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	80.63
92.10	53.80	51.79
0.00	0.00	0.00

8.6.33.4

8

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	461236	40.00	ug/ml	0.00
20) Naphthalene-d8	6.126	136	1686287	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.629	164	946091	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.431	188	1359018	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	856385	40.00	ug/ml	0.00
80) Perylene-d12	19.743	264	501153	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.884	112	1558957	105.73	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery = 105.73%			
5) Phenol-d5 (SURR)	4.660	99	2023930	109.92	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery = 109.92%			
21) Nitrobenzene-d5 (SURR)	5.393	82	940895	52.38	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery = 104.76%			
40) 2-Fluorobiphenyl (SURR)	7.543	172	1971856	52.66	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery = 105.32%			
62) 2,4,6-Tribromophenol (...	10.094	330	481903	92.30	ug/ml	0.00
Spiked Amount 100.000	Range 33 - 138		Recovery = 92.30%			
74) Terphenyl-d14	14.785	244	1196072	57.46	ug/ml	0.00
Spiked Amount 50.000	Range 46 - 136		Recovery = 114.92%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.644	74	404135	51.41	ug/ml	100
3) Pyridine	2.628	79	756386m	54.44	ug/ml	
6) Phenol	4.671	94	1097489	55.12	ug/ml	97
7) Aniline	4.633	93	1112956	54.92	ug/ml	100
8) bis(2-Chloroethyl)ether	4.676	93	1008150	52.01	ug/ml	99
9) 2-Chlorophenol	4.746	128	808970	52.33	ug/ml	99
10) 1,3-Dichlorobenzene	4.837	146	919693	52.53	ug/ml	98
11) 1,4-Dichlorobenzene	4.901	146	978333	52.23	ug/ml	100
12) Benzyl Alcohol	5.040	108	576781	53.62	ug/ml	99
13) 1,2-Dichlorobenzene	5.034	146	934973	53.13	ug/ml	100
14) 2-Methylphenol	5.157	108	715697	51.33	ug/ml	99
15) bis(2-chloroisopropyl)...	5.131	45	1247327	50.49	ug/ml	98
16) 4-Methylphenol	5.302	108	749225	50.82	ug/ml	100
17) m+p-Cresols	5.302	108	749225	50.82	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.270	70	681414	50.93	ug/ml	99
19) Hexachloroethane	5.334	117	361101	52.66	ug/ml	99
22) Nitrobenzene	5.414	77	918307	52.06	ug/ml	99
23) Isophorone	5.650	82	1657403	51.10	ug/ml	100
24) 2-Nitrophenol	5.719	139	420875	51.96	ug/ml	99
25) 2,4-Dimethylphenol	5.794	122	737762	54.96	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.853	93	920486	51.60	ug/ml	100
27) Benzoic Acid	5.997	105	408391	52.32	ug/ml	98
28) 2,4-Dichlorophenol	6.008	162	618763	52.49	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.061	180	747748	52.69	ug/ml	100
30) Naphthalene	6.147	128	2459992	52.83	ug/ml	100
31) 4-Chloroaniline	6.216	127	862670	51.04	ug/ml	99
32) Hexachlorobutadiene	6.291	225	464561	52.06	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	700084	52.60 ug/ml	100
34) 2-Methylnaphthalene	7.008	142	1516238	53.19 ug/ml	100
35) 1-Methylnaphthalene	7.147	142	1586652	53.15 ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	246812	55.51 ug/ml	100
38) 2,4,6-Trichlorophenol	7.441	196	419453	52.25 ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	457253	47.46 ug/ml	99
41) 2-Chloronaphthalene	7.719	162	1398043	52.04 ug/ml	100
42) 2-Nitroaniline	7.907	65	471184	52.08 ug/ml	99
43) Dimethylphthalate	8.233	163	1661437	51.33 ug/ml	100
44) Acenaphthylene	8.388	152	2382872	52.31 ug/ml	100
45) 2,6-Dinitrotoluene	8.313	165	387919	51.01 ug/ml	100
46) 3-Nitroaniline	8.613	138	348781	47.20 ug/ml	99
47) Acenaphthene	8.693	154	1391119	51.94 ug/ml	100
48) 2,4-Dinitrophenol	8.795	184	123145	51.92 ug/ml	95
49) 4-Nitrophenol	9.099	65	207433	44.32 ug/ml	98
50) Dibenzofuran	8.992	168	1998425	52.22 ug/ml	100
51) 2,4-Dinitrotoluene	9.019	165	481536	52.78 ug/ml#	74
52) 2,3,4,6-Tetrachlorophenol	9.265	232	355433	47.43 ug/ml	99
53) Diethylphthalate	9.490	149	1734419	51.59 ug/ml	100
54) Fluorene	9.618	166	1745709	52.30 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.634	204	842525	46.98 ug/ml	100
56) 4-Nitroaniline	9.741	138	284633	44.93 ug/ml	99
58) 1,2-Diphenylhydrazine	9.939	77	1776163	50.52 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.795	198	217020	48.93 ug/ml	96
60) Diphenylamine	9.886	169	1339354	51.73 ug/ml	100
61) n-Nitrosodiphenylamine	9.886	169	1339354	51.73 ug/ml	100
63) 4-Bromophenyl-phenylether	10.570	248	450275	51.57 ug/ml	100
64) Hexachlorobenzene	10.699	284	479983	50.41 ug/ml	99
65) Pentachlorophenol	11.132	266	161111	46.03 ug/ml	99
66) Phenanthrene	11.480	178	2105928	51.05 ug/ml	100
67) Anthracene	11.581	178	2022587	50.99 ug/ml	99
68) Carbazole	11.950	167	1621277	50.79 ug/ml	100
69) Di-n-butylphthalate	12.763	149	2444478	49.56 ug/ml	100
70) Fluoranthene	13.924	202	1814289	48.70 ug/ml	100
72) Benzidine	14.266	184	416528	52.20 ug/ml#	99
73) Pyrene	14.384	202	1804608	58.56 ug/ml	100
75) Butylbenzylphthalate	15.876	149	731555	53.60 ug/ml	100
76) Benzo(a)anthracene	16.924	228	1242635	50.67 ug/ml	100
77) 3,3'-Dichlorobenzidine	16.930	252	238525	46.22 ug/ml	98
78) Chrysene	17.005	228	1065718	51.53 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.144	149	888769	48.71 ug/ml	100
81) Di-n-octylphthalate	18.427	149	1216864	45.71 ug/ml	100
82) Benzo(b)fluoranthene	19.053	252	850243	50.62 ug/ml	100
83) Benzo(k)fluoranthene	19.107	252	817969	52.68 ug/ml	99
84) Benzo(a)pyrene	19.642	252	734678	50.97 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.925	276	659599	51.20 ug/ml	100
86) Dibenz(a,h)anthracene	21.952	278	543474	51.01 ug/ml	99
87) Benzo(g,h,i)perylene	22.541	276	509745	51.92 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

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

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

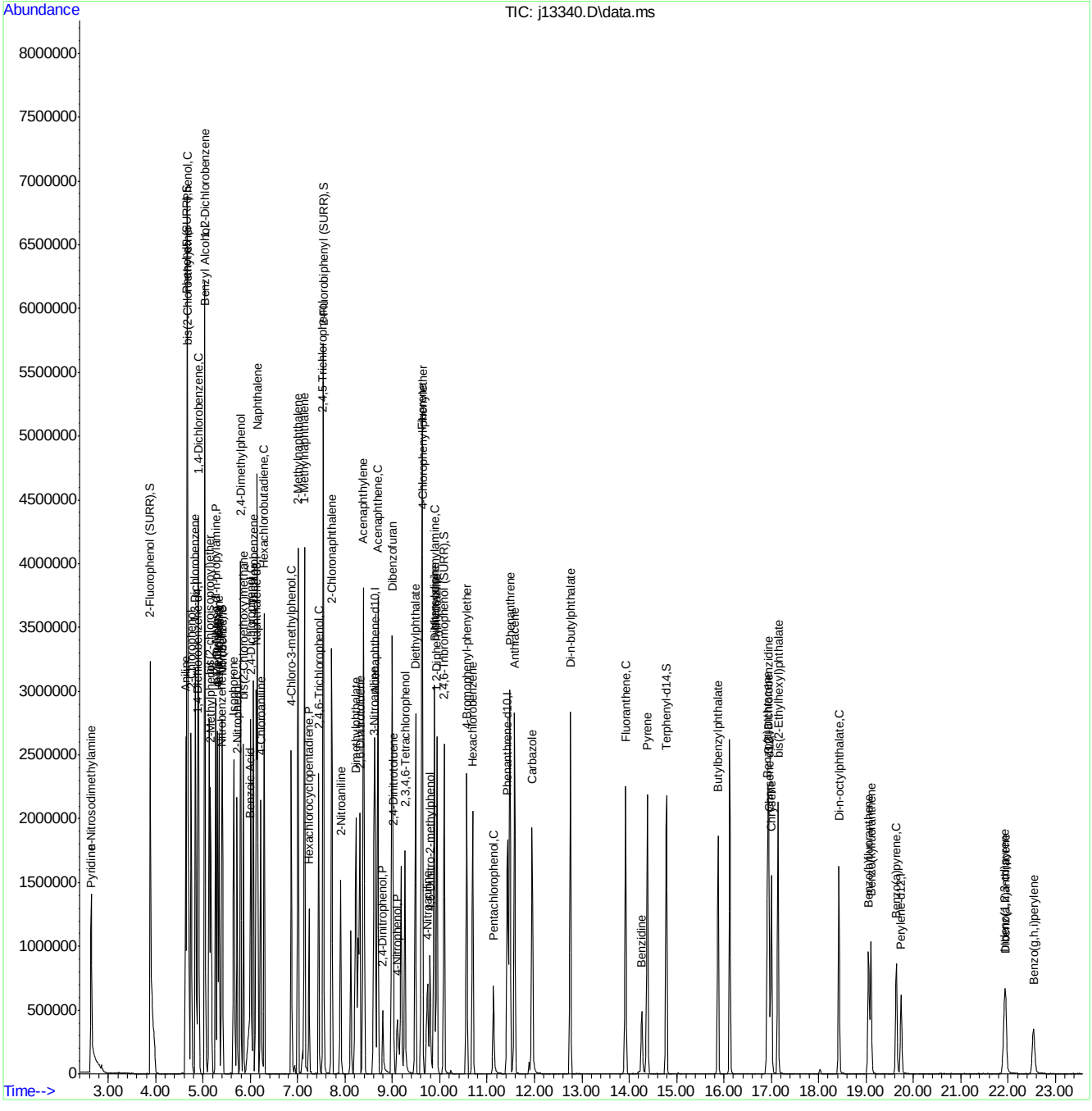
8.6.34

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

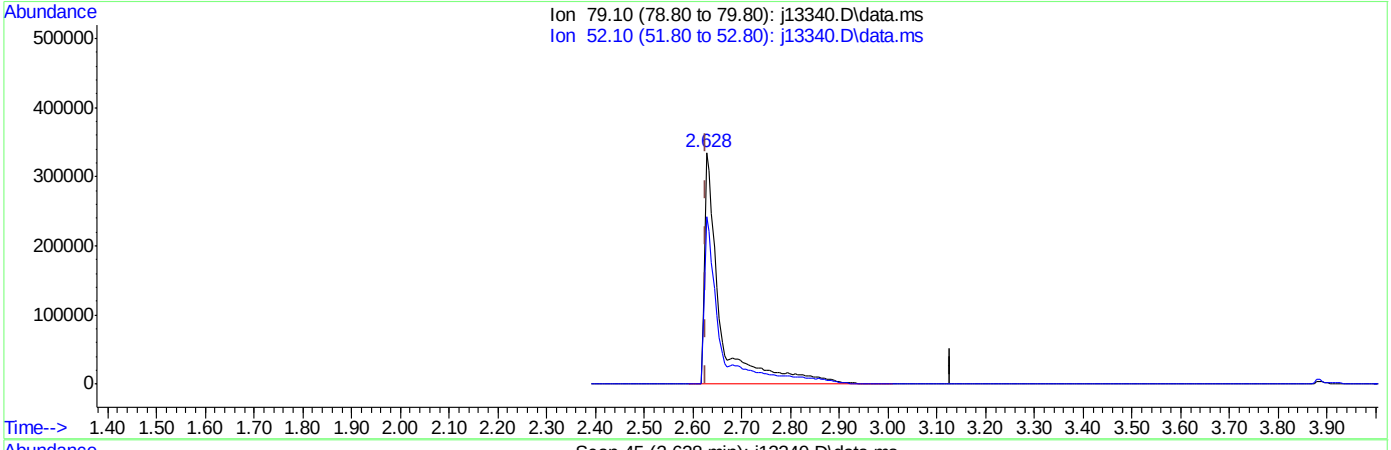
Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration

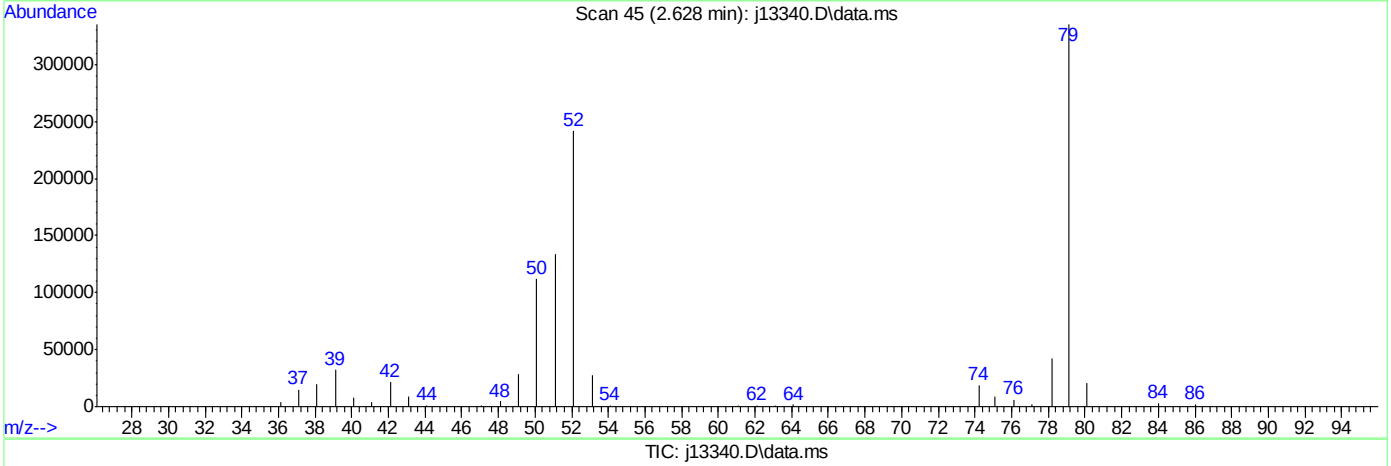


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13340.D
Acq On : 23 Sep 2009 2:21 pm
Operator : sheilac
Sample : icc615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 14:43:49 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:43:40 2009
Response via : Initial Calibration





TIC: j13340.D\data.ms

(3) Pyridine

2.628min (0.000) 54.44ug/ml m

response 756386

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	49.17
0.00	0.00	0.00
0.00	0.00	0.00

J13341.D

Manual Integrations APPROVED (compounds with "m" flag)

Richard Rodriguez 09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	374315	40.00	ug/ml	0.00
20) Naphthalene-d8	6.126	136	1353306	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.629	164	751195	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.431	188	1132175	40.00	ug/ml	0.00
71) Chrysene-d12	16.962	240	991058	40.00	ug/ml	0.01
80) Perylene-d12	19.754	264	638555	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.879	112	1894428	158.32	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 110		Recovery = 158.32%#			
5) Phenol-d5 (SURR)	4.660	99	2441450	163.39	ug/ml	0.00
Spiked Amount 100.000	Range 23 - 114		Recovery = 163.39%#			
21) Nitrobenzene-d5 (SURR)	5.398	82	1134846	78.73	ug/ml	0.00
Spiked Amount 50.000	Range 36 - 126		Recovery = 157.46%#			
40) 2-Fluorobiphenyl (SURR)	7.543	172	2390811	80.41	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 132		Recovery = 160.82%#			
62) 2,4,6-Tribromophenol (...	10.100	330	616122	136.25	ug/ml	0.00
Spiked Amount 100.000	Range 33 - 138		Recovery = 136.25%			
74) Terphenyl-d14	14.796	244	1816247	75.39	ug/ml	0.01
Spiked Amount 50.000	Range 46 - 136		Recovery = 150.78%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.638	74	500333	78.42	ug/ml	99
3) Pyridine	2.617	79	928595m	82.36	ug/ml	
6) Phenol	4.671	94	1328119	82.20	ug/ml	99
7) Aniline	4.633	93	1292394	78.58	ug/ml	100
8) bis(2-Chloroethyl)ether	4.676	93	1282033	81.49	ug/ml	97
9) 2-Chlorophenol	4.746	128	973793	77.63	ug/ml	99
10) 1,3-Dichlorobenzene	4.837	146	1106973	77.91	ug/ml	99
11) 1,4-Dichlorobenzene	4.901	146	1170470	76.99	ug/ml	100
12) Benzyl Alcohol	5.040	108	701259	80.33	ug/ml	98
13) 1,2-Dichlorobenzene	5.034	146	1130967	79.20	ug/ml	100
14) 2-Methylphenol	5.157	108	867781	76.69	ug/ml	99
15) bis(2-chloroisopropyl)...	5.131	45	1519576	75.80	ug/ml	98
16) 4-Methylphenol	5.302	108	906062	75.72	ug/ml	100
17) m+p-Cresols	5.302	108	906062	75.72	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.270	70	831565	76.58	ug/ml	100
19) Hexachloroethane	5.334	117	433972	77.98	ug/ml	98
22) Nitrobenzene	5.414	77	1111680	78.52	ug/ml	99
23) Isophorone	5.649	82	2020520	77.62	ug/ml	100
24) 2-Nitrophenol	5.719	139	502227	77.26	ug/ml	99
25) 2,4-Dimethylphenol	5.799	122	893161	82.91	ug/ml	100
26) bis(2-Chloroethoxy)met...	5.858	93	1122751	78.42	ug/ml	100
27) Benzoic Acid	6.003	105	448099	69.71	ug/ml	99
28) 2,4-Dichlorophenol	6.008	162	748994	79.16	ug/ml	99
29) 1,2,4-Trichlorobenzene	6.061	180	896398	78.70	ug/ml	100
30) Naphthalene	6.147	128	2971305	79.51	ug/ml	100
31) 4-Chloroaniline	6.216	127	1033722	75.23	ug/ml	98
32) Hexachlorobutadiene	6.291	225	562628	78.56	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	861966	80.69 ug/ml	99
34) 2-Methylnaphthalene	7.008	142	1817192	79.44 ug/ml	100
35) 1-Methylnaphthalene	7.147	142	1898349	79.25 ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	273951	73.97 ug/ml	100
38) 2,4,6-Trichlorophenol	7.441	196	514099	80.68 ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	566275	72.18 ug/ml	100
41) 2-Chloronaphthalene	7.719	162	1685874	79.04 ug/ml	100
42) 2-Nitroaniline	7.912	65	574646	80.00 ug/ml	99
43) Dimethylphthalate	8.238	163	2035622	79.21 ug/ml	100
44) Acenaphthylene	8.393	152	2901360	80.21 ug/ml	100
45) 2,6-Dinitrotoluene	8.318	165	479040	79.33 ug/ml	99
46) 3-Nitroaniline	8.618	138	430186	73.62 ug/ml	99
47) Acenaphthene	8.693	154	1684474	79.21 ug/ml	100
48) 2,4-Dinitrophenol	8.800	184	167022	78.52 ug/ml	96
49) 4-Nitrophenol	9.094	65	256890	69.21 ug/ml	99
50) Dibenzofuran	8.998	168	2437534	80.21 ug/ml	100
51) 2,4-Dinitrotoluene	9.030	165	600888	82.94 ug/ml#	75
52) 2,3,4,6-Tetrachlorophenol	9.265	232	435375	72.44 ug/ml	99
53) Diethylphthalate	9.495	149	2144555	80.34 ug/ml	100
54) Fluorene	9.624	166	2171737	81.94 ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.640	204	1054776	72.84 ug/ml	100
56) 4-Nitroaniline	9.757	138	362431	72.61 ug/ml	99
58) 1,2-Diphenylhydrazine	9.944	77	2183261	74.54 ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.805	198	289601	74.97 ug/ml	97
60) Diphenylamine	9.896	169	1649915	76.50 ug/ml	100
61) n-Nitrosodiphenylamine	9.896	169	1649915	76.50 ug/ml	100
63) 4-Bromophenyl-phenylether	10.576	248	562402	77.32 ug/ml	100
64) Hexachlorobenzene	10.704	284	608346	76.70 ug/ml	99
65) Pentachlorophenol	11.132	266	224979	70.39 ug/ml	98
66) Phenanthrene	11.485	178	2693672	78.38 ug/ml	100
67) Anthracene	11.586	178	2637794	79.80 ug/ml	100
68) Carbazole	11.956	167	2156773	81.10 ug/ml	100
69) Di-n-butylphthalate	12.763	149	3329636	81.03 ug/ml	100
70) Fluoranthene	13.935	202	2570056	82.81 ug/ml	100
72) Benzidine	14.272	184	925964	72.57 ug/ml	99
73) Pyrene	14.395	202	2590838	72.65 ug/ml	100
75) Butylbenzylphthalate	15.887	149	1230110	77.88 ug/ml	99
76) Benzo(a)anthracene	16.935	228	2156391	75.98 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.935	252	498192	72.42 ug/ml	99
78) Chrysene	17.021	228	1861570	77.76 ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.149	149	1660941	78.66 ug/ml	100
81) Di-n-octylphthalate	18.438	149	2420981	69.16 ug/ml	100
82) Benzo(b)fluoranthene	19.069	252	1689315	78.94 ug/ml	99
83) Benzo(k)fluoranthene	19.123	252	1506373	76.27 ug/ml	99
84) Benzo(a)pyrene	19.658	252	1437318	78.27 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.936	276	1308972	84.18 ug/ml	100
86) Dibenz(a,h)anthracene	21.974	278	1091604	84.74 ug/ml	100
87) Benzo(g,h,i)perylene	22.557	276	974364	82.48 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

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

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

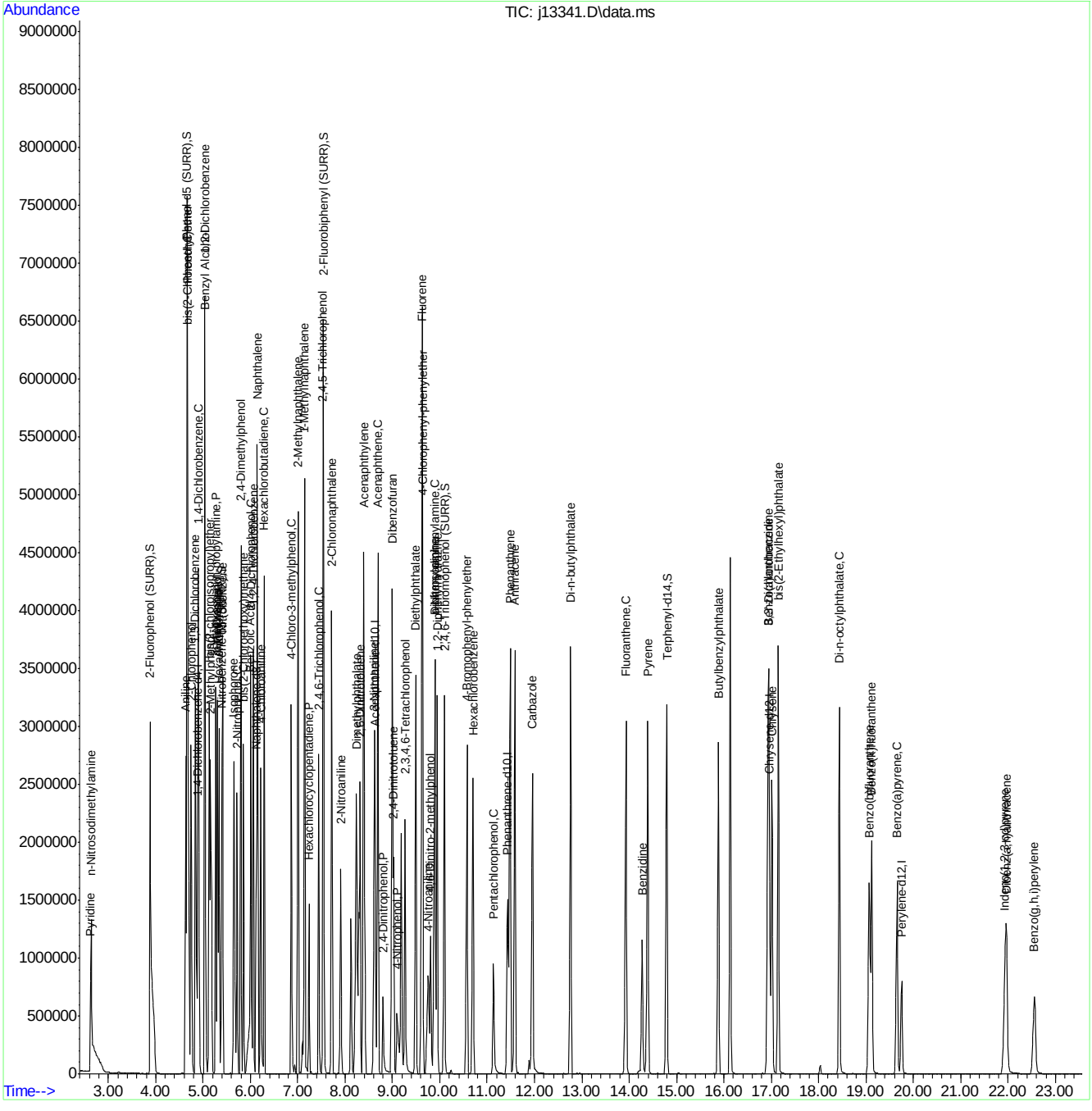
8.6.35

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration

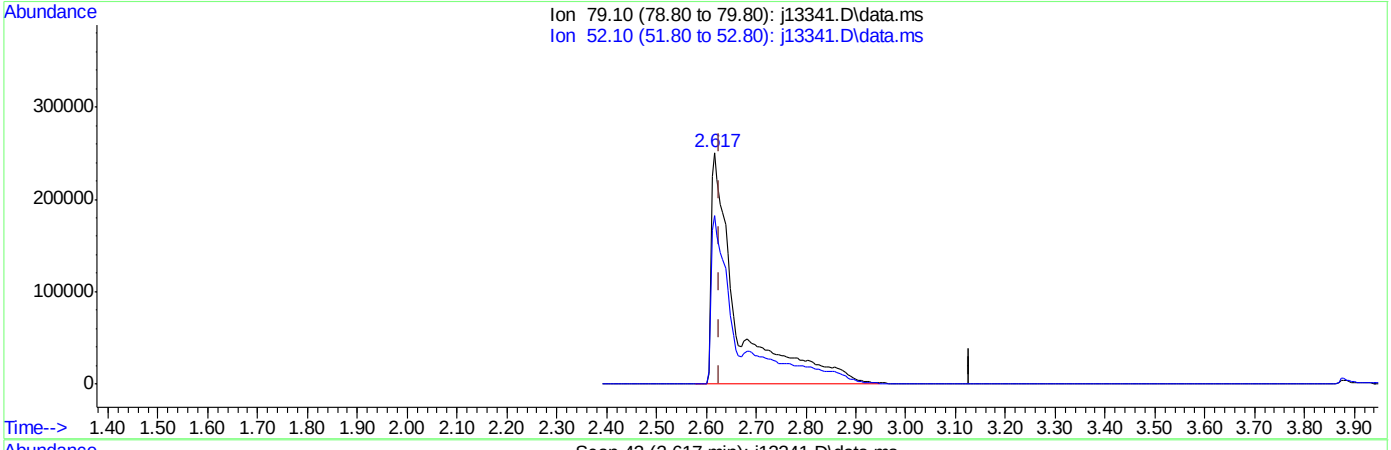


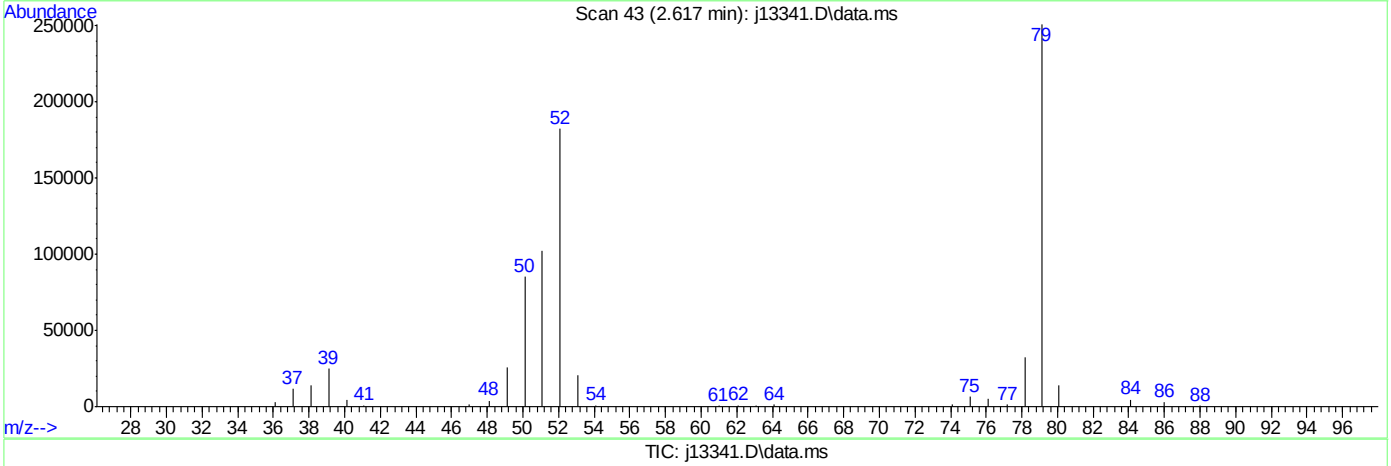
ACCUTEST Laboratories T39187

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13341.D
Acq On : 23 Sep 2009 2:51 pm
Operator : sheilac
Sample : ic615-75
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 15:13:41 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 14:44:31 2009
Response via : Initial Calibration





TIC: j13341.D\data.ms

(3) Pyridine

2.617min (-0.011) 82.36ug/ml m

response 928595

Ion	Exp%	Act%
79.10	100	100
52.10	48.30	43.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
09/28/09 13:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.885	152	382496	40.00	ug/ml	0.00
20) Naphthalene-d8	6.120	136	1390359	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.623	164	717631	40.00	ug/ml	0.00
57) Phenanthrene-d10	11.426	188	1012187	40.00	ug/ml	0.00
71) Chrysene-d12	16.951	240	904594	40.00	ug/ml	-0.01
80) Perylene-d12	19.748	264	633901	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 23 - 110		Recovery	=	0.00%#	
5) Phenol-d5 (SURR)	0.000	99	0d	0.00	ug/ml	
Spiked Amount 100.000	Range 23 - 114		Recovery	=	0.00%#	
21) Nitrobenzene-d5 (SURR)	0.000	82	0d	0.00	ug/ml	
Spiked Amount 50.000	Range 36 - 126		Recovery	=	0.00%#	
40) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 132		Recovery	=	0.00%#	
62) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 33 - 138		Recovery	=	0.00%#	
74) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 46 - 136		Recovery	=	0.00%#	
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.649	74	354790	55.19	ug/ml	97
3) Pyridine	2.638	79	583081m	51.40	ug/ml	
6) Phenol	4.687	94	781316	48.13	ug/ml	89
7) Aniline	4.628	93	548944	33.57	ug/ml	94
8) bis(2-Chloroethyl)ether	4.671	93	720071	45.25	ug/ml	97
9) 2-Chlorophenol	4.751	128	615933	48.91	ug/ml	99
10) 1,3-Dichlorobenzene	4.836	146	685065	48.02	ug/ml	98
11) 1,4-Dichlorobenzene	4.901	146	717693	46.89	ug/ml	100
12) Benzyl Alcohol	5.034	108	438413	49.97	ug/ml	100
13) 1,2-Dichlorobenzene	5.034	146	693178	48.28	ug/ml	100
14) 2-Methylphenol	5.168	108	557746	49.01	ug/ml	99
15) bis(2-chloroisopropyl)...	5.125	45	970715	48.16	ug/ml	100
16) 4-Methylphenol	5.302	108	1189796	98.82	ug/ml	100
17) m+p-Cresols	5.302	108	1189796	98.82	ug/ml	100
18) n-Nitroso-di-n-propyla...	5.259	70	509070	46.61	ug/ml	99
19) Hexachloroethane	5.334	117	270695	48.47	ug/ml	99
22) Nitrobenzene	5.403	77	669860	46.78	ug/ml	100
23) Isophorone	5.644	82	1243348	47.29	ug/ml	100
24) 2-Nitrophenol	5.719	139	308970	46.93	ug/ml	99
25) 2,4-Dimethylphenol	5.794	122	484882	44.53	ug/ml	99
26) bis(2-Chloroethoxy)met...	5.847	93	686829	47.40	ug/ml	100
27) Benzoic Acid	5.976	105	270392	45.34	ug/ml	100
28) 2,4-Dichlorophenol	6.008	162	453402	47.34	ug/ml	100
29) 1,2,4-Trichlorobenzene	6.056	180	521921	45.29	ug/ml	100
30) Naphthalene	6.147	128	1823133	48.14	ug/ml	99
31) 4-Chloroaniline	6.216	127	300035	23.42	ug/ml	98
32) Hexachlorobutadiene	6.291	225	340718	47.09	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration

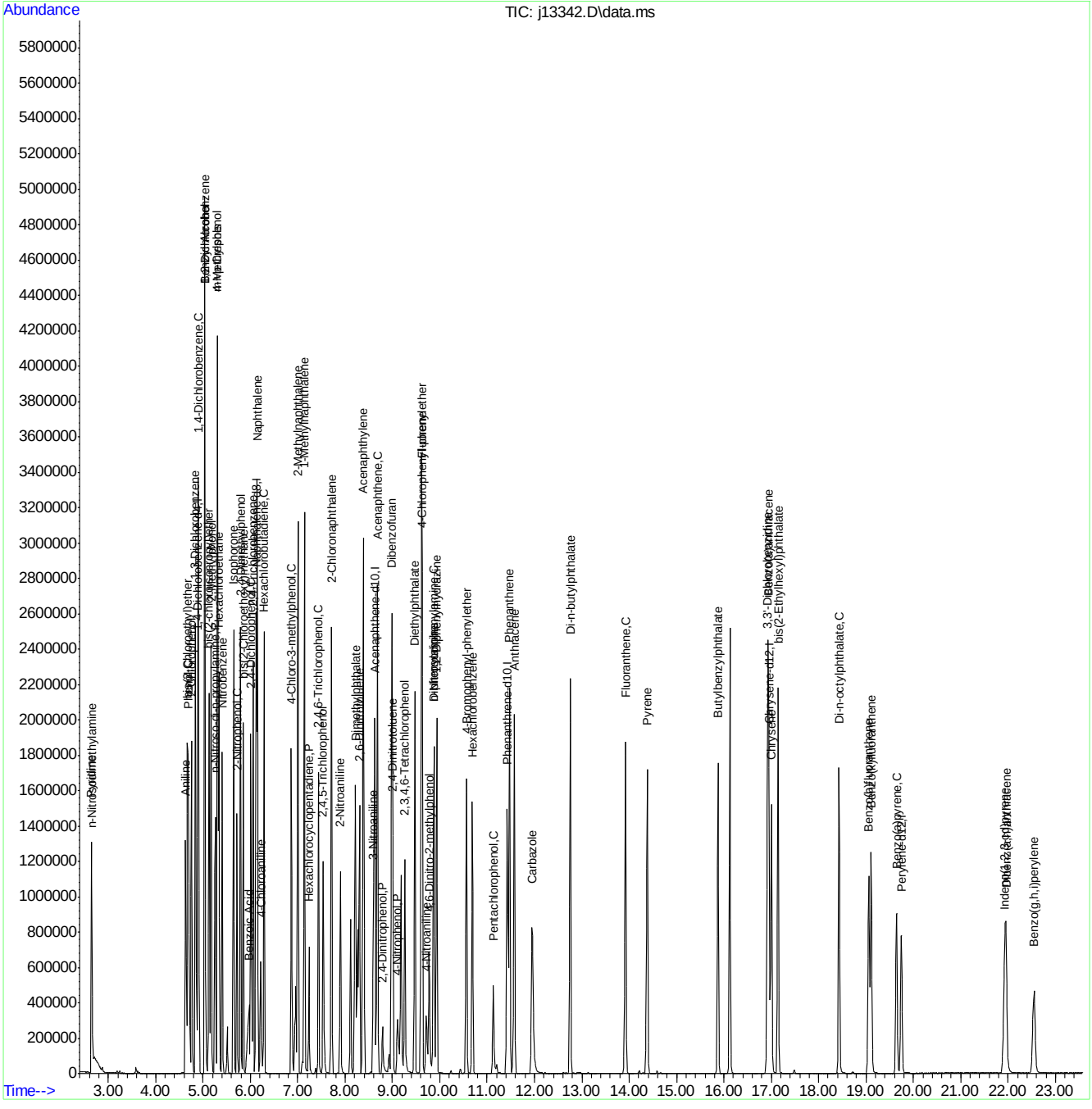
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.864	107	512044	47.34	ug/ml	100
34) 2-Methylnaphthalene	7.003	142	1151343	49.77	ug/ml	100
35) 1-Methylnaphthalene	7.142	142	1123966	46.39	ug/ml	100
37) Hexachlorocyclopentadiene	7.238	237	137587	43.14	ug/ml	99
38) 2,4,6-Trichlorophenol	7.436	196	306098	51.12	ug/ml	100
39) 2,4,5-Trichlorophenol	7.532	196	303549	42.86	ug/ml	100
41) 2-Chloronaphthalene	7.714	162	1005728	50.16	ug/ml	100
42) 2-Nitroaniline	7.901	65	346793	51.44	ug/ml	99
43) Dimethylphthalate	8.217	163	1211035	50.25	ug/ml	100
44) Acenaphthylene	8.383	152	1737763	51.13	ug/ml	100
45) 2,6-Dinitrotoluene	8.302	165	273967	48.32	ug/ml#	87
46) 3-Nitroaniline	8.597	138	207700	39.80	ug/ml	97
47) Acenaphthene	8.682	154	984362	49.30	ug/ml	100
48) 2,4-Dinitrophenol	8.789	184	68227	39.85	ug/ml	98
49) 4-Nitrophenol	9.099	65	147509	45.27	ug/ml	96
50) Dibenzofuran	8.987	168	1406473	49.31	ug/ml	100
51) 2,4-Dinitrotoluene	9.008	165	338461	49.84	ug/ml#	72
52) 2,3,4,6-Tetrachlorophenol	9.260	232	239567	45.11	ug/ml	98
53) Diethylphthalate	9.474	149	1232296	49.29	ug/ml	100
54) Fluorene	9.613	166	1193461	48.01	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.629	204	576854	45.07	ug/ml	99
56) 4-Nitroaniline	9.714	138	171163m	38.48	ug/ml	
58) 1,2-Diphenylhydrazine	9.934	77	1256859	48.83	ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.779	198	143151	44.29	ug/ml	99
60) Diphenylamine	9.875	169	770831	40.69	ug/ml	100
61) n-Nitrosodiphenylamine	9.875	169	770831	40.69	ug/ml	100
63) 4-Bromophenyl-phenylether	10.565	248	310064	48.53	ug/ml	100
64) Hexachlorobenzene	10.688	284	340718	48.94	ug/ml	100
65) Pentachlorophenol	11.126	266	112355	47.08	ug/ml	96
66) Phenanthrene	11.474	178	1464496	48.56	ug/ml	100
67) Anthracene	11.576	178	1419130	48.87	ug/ml	100
68) Carbazole	11.950	167	1027874	43.97	ug/ml	100
69) Di-n-butylphthalate	12.758	149	1828007	50.48	ug/ml	100
70) Fluoranthene	13.924	202	1460296	53.41	ug/ml	100
73) Pyrene	14.384	202	1423169	44.65	ug/ml	100
75) Butylbenzylphthalate	15.876	149	693258	48.84	ug/ml	100
76) Benzo(a)anthracene	16.930	228	1234326	48.50	ug/ml	100
77) 3,3'-Dichlorobenzidine	16.924	252	288549	53.00	ug/ml	98
78) Chrysene	17.005	228	1055240	49.19	ug/ml	100
79) bis(2-Ethylhexyl)phtha...	17.144	149	910289	47.72	ug/ml	100
81) Di-n-octylphthalate	18.427	149	1349111	41.48	ug/ml	100
82) Benzo(b)fluoranthene	19.058	252	994451	47.47	ug/ml	100
83) Benzo(k)fluoranthene	19.112	252	951064	49.70	ug/ml	100
84) Benzo(a)pyrene	19.647	252	773972	43.27	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	21.925	276	856080	56.76	ug/ml	100
86) Dibenz(a,h)anthracene	21.957	278	707954	56.56	ug/ml	99
87) Benzo(g,h,i)perylene	22.546	276	660664	57.99	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On : 23 Sep 2009 3:21 pm
Operator : sheilac
Sample : icv615-50
Misc : op12949,Ej615,1000,,,1,1,water
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 16:57:01 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On    : 23 Sep 2009   3:21 pm
Operator  : sheilac
Sample    : icv615-50
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Sep 23 16:53:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration
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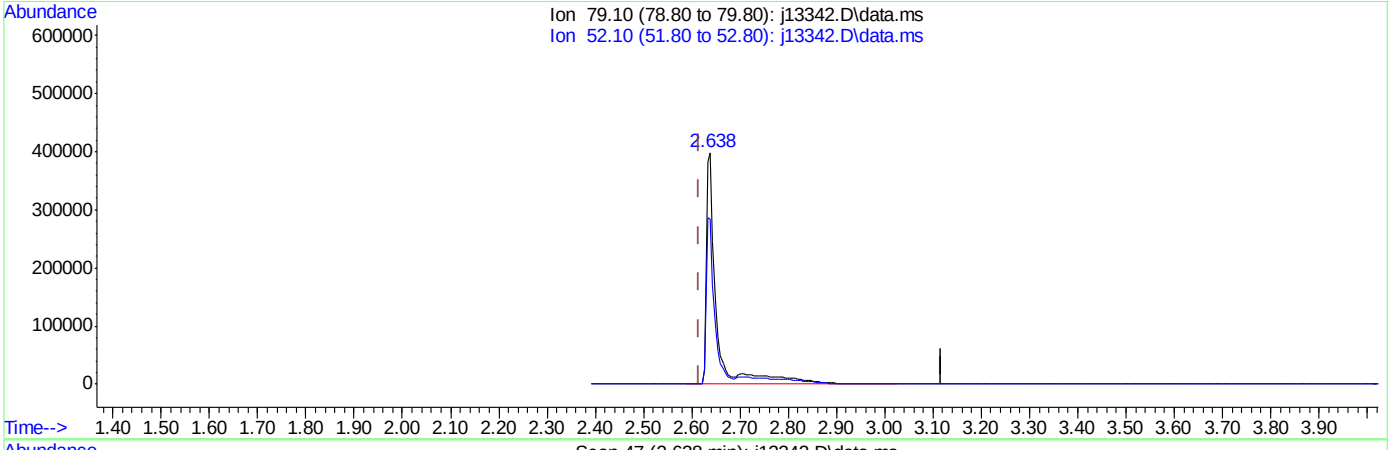
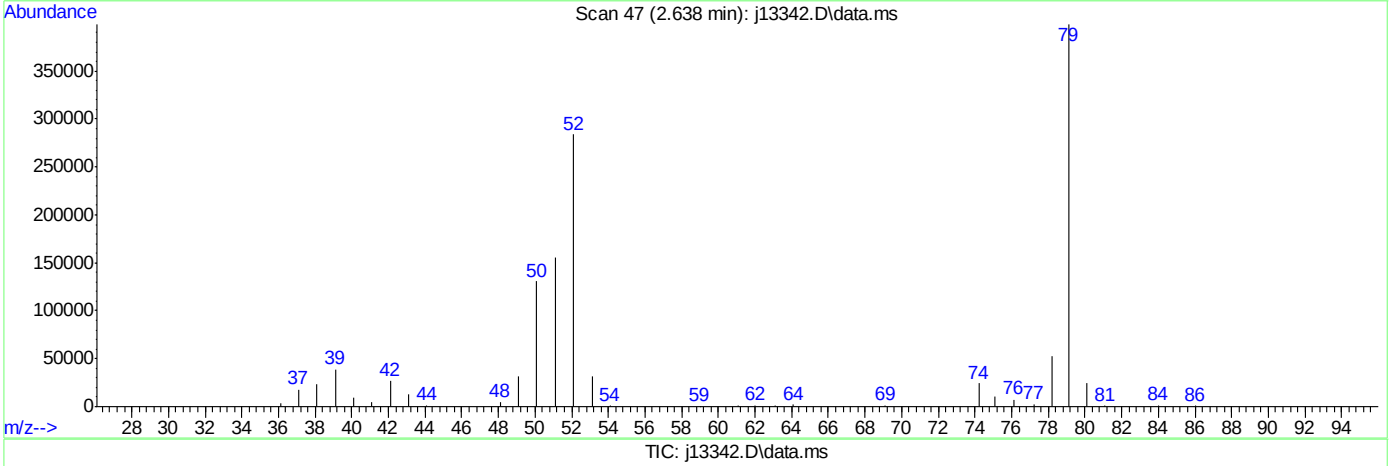




(3) Pyridine

2.638min (+0.021) 51.40ug/ml m

response 583081

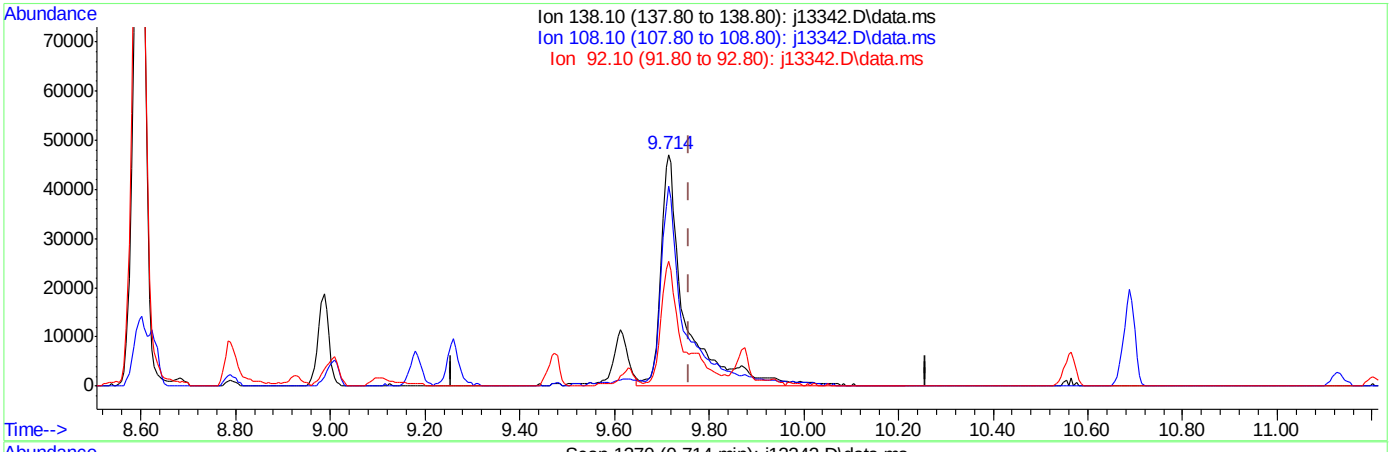
Ion	Exp%	Act%
79.10	100	100
52.10	48.30	56.42
0.00	0.00	0.00
0.00	0.00	0.00

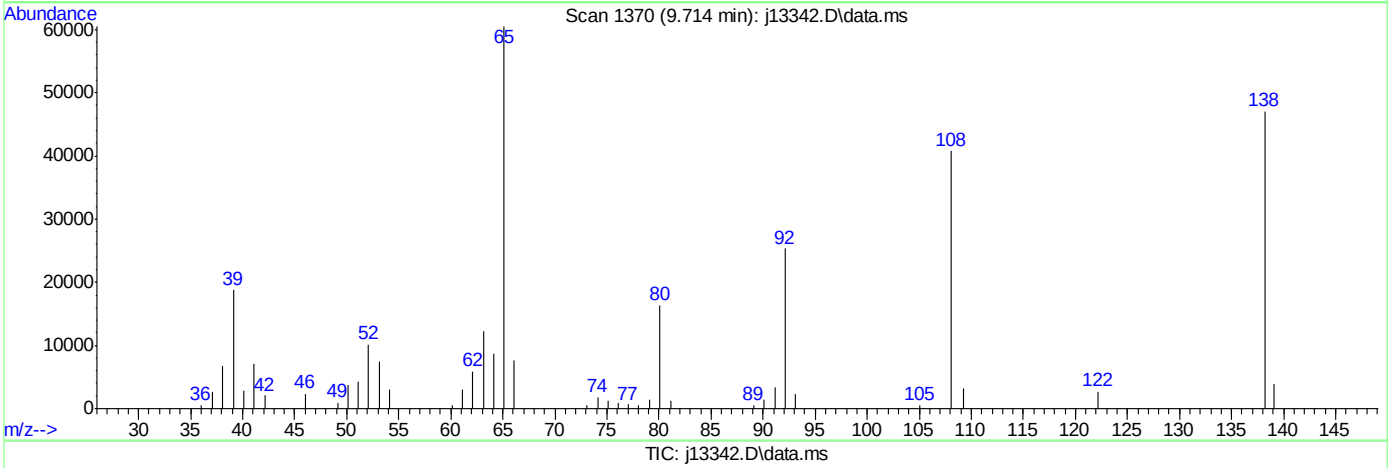
ACCUTEST Laboratories

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej615\
Data File : j13342.D
Acq On    : 23 Sep 2009   3:21 pm
Operator  : sheilac
Sample    : icv615-50
Misc      : op12949,Ej615,1000,,,1,1,water
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Sep 23 16:53:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Wed Sep 23 15:14:24 2009
Response via : Initial Calibration
```





TIC: j13342.D\data.ms

(56) 4-Nitroaniline

9.714min (-0.043) 38.48ug/ml m

response 171163

Ion	Exp%	Act%
138.10	100	100
108.10	87.60	74.30
92.10	53.80	36.28
0.00	0.00	0.00

8.6.36.2

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13689.D
Acq On : 8 Oct 2009 11:20 am
Operator : sheilac
Sample : icc629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:23:53 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	425311	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1500474	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	839398	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1281434	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	790616	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	441409	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.710	112	1616531	114.53	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 114.53%#			
5) Phenol-d5 (SURR)	4.501	99	2054168	132.16	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 132.16%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	927510	60.06	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 120.12%#			
22) 2-Fluorobiphenyl (SURR)	7.341	172	1715397	55.86	ug/ml	0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 111.72%			
28) 2,4,6-Tribromophenol (...	9.855	330	434108	102.90	ug/ml	0.39
Spiked Amount 100.000	Range 32 - 128		Recovery = 102.90%			
35) Terphenyl-d14	14.562	244	1231759	67.57	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 135.14%			
Target Compounds						Qvalue
4) Benzenethiol	4.400	110	805170	74.63	ug/ml	98
19) Resorcinol	6.587	110	543150	56.12	ug/ml	100

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

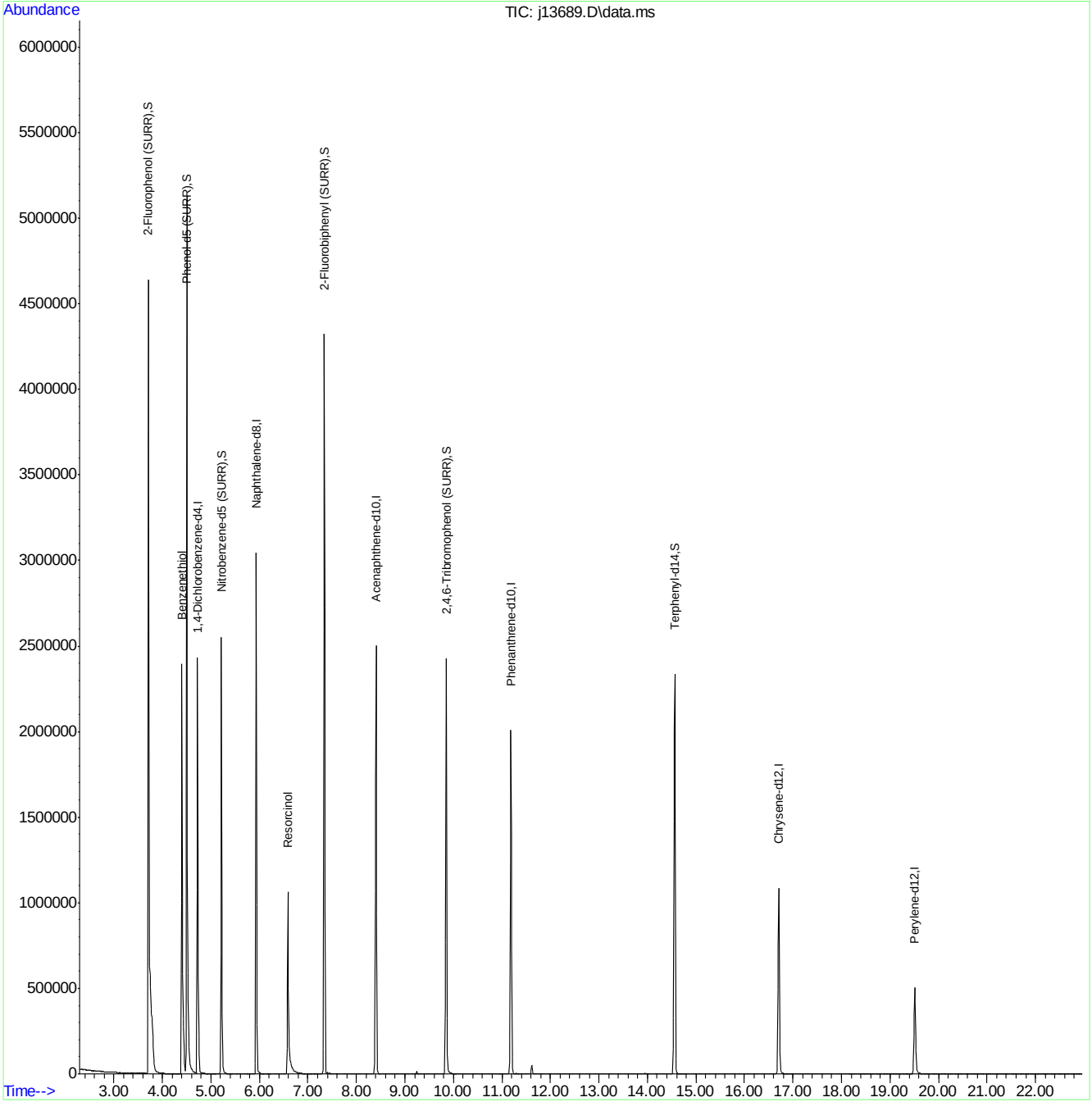
8.6.37

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13689.D
Acq On : 8 Oct 2009 11:20 am
Operator : sheilac
Sample : icc629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 12:23:53 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13690.D
Acq On : 8 Oct 2009 11:50 am
Operator : sheilac
Sample : ic629-40,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:24:44 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	432948	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1506151	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	806931	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1180761	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	648211	40.00	ug/ml	0.00
40) Perylene-d12	19.509	264	414940	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	1324933	92.21	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 92.21%#			
5) Phenol-d5 (SURR)	4.496	99	1662776	105.09	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 105.09%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	744803	48.05	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 96.10%			
22) 2-Fluorobiphenyl (SURR)	7.336	172	1306323	44.25	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 88.50%			
28) 2,4,6-Tribromophenol (...	9.850	330	299465	77.04	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery = 77.04%			
35) Terphenyl-d14	14.557	244	798114	53.40	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 106.80%			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	675929	61.55	ug/ml	98
19) Resorcinol	6.582	110	421176	43.35	ug/ml	98

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

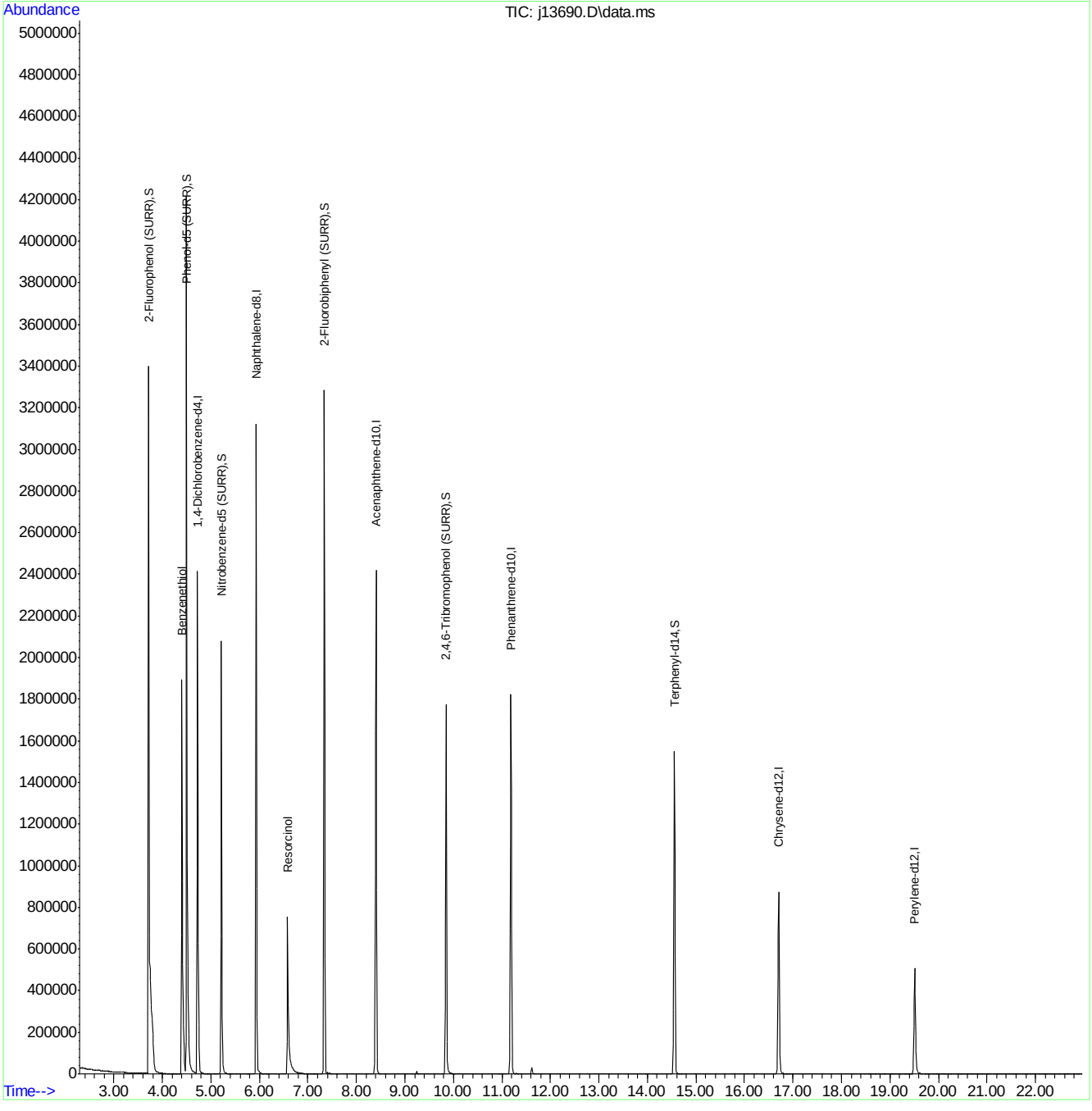
8.6.38

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13690.D
Acq On : 8 Oct 2009 11:50 am
Operator : sheilac
Sample : ic629-40,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 08 12:24:44 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13691.D
Acq On : 8 Oct 2009 12:21 pm
Operator : sheilac
Sample : ic629-75,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 14:16:59 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	407460	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1406886	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	777360	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1151046	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	723943	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	482443	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	2386547	176.49	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 176.49%#			
5) Phenol-d5 (SURR)	4.501	99	3060739	205.55	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 205.55%#			
15) Nitrobenzene-d5 (SURR)	5.223	82	1329809	91.84	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 183.68%#			
22) 2-Fluorobiphenyl (SURR)	7.341	172	2424933	85.27	ug/ml	0.20
Spiked Amount 50.000	Range 34 - 113		Recovery = 170.54%#			
28) 2,4,6-Tribromophenol (...	9.861	330	608809	160.66	ug/ml	0.39
Spiked Amount 100.000	Range 32 - 128		Recovery = 160.66%#			
35) Terphenyl-d14	14.567	244	1606294	96.23	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 192.46%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	1143058	110.59	ug/ml	99
19) Resorcinol	6.593	110	773108	85.19	ug/ml	99

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

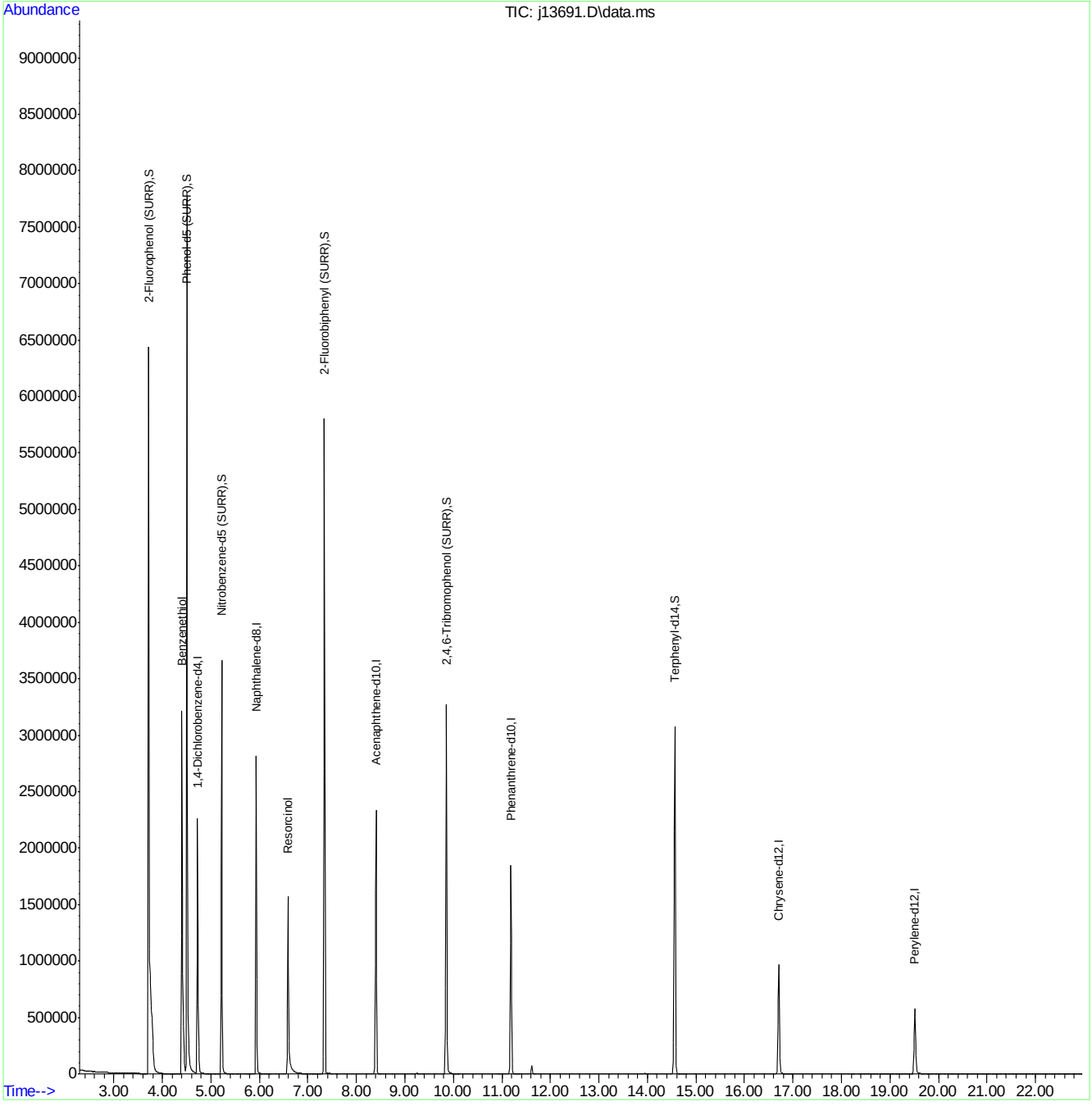
8.6.39

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13691.D
Acq On : 8 Oct 2009 12:21 pm
Operator : sheilac
Sample : ic629-75,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 14:16:59 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On : 8 Oct 2009 12:51 pm
Operator : sheilac
Sample : ic629-5,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	476533	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1652316	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	879587	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.187	188	1259292	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	748207	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	527433	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.726	112	156403	9.89	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 66		Recovery = 9.89%#			
5) Phenol-d5 (SURR)	4.501	99	191894	11.02	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 11.02%			
15) Nitrobenzene-d5 (SURR)	5.218	82	88157	5.18	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 10.36%#			
22) 2-Fluorobiphenyl (SURR)	7.336	172	153848	4.78	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 9.56%#			
28) 2,4,6-Tribromophenol (...	9.850	330	22833	5.51	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery = 5.51%#			
35) Terphenyl-d14	14.551	244	91377	5.30	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 10.60%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	77101	6.38	ug/ml#	82
19) Resorcinol	6.619	110	37907m	3.56	ug/ml	

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

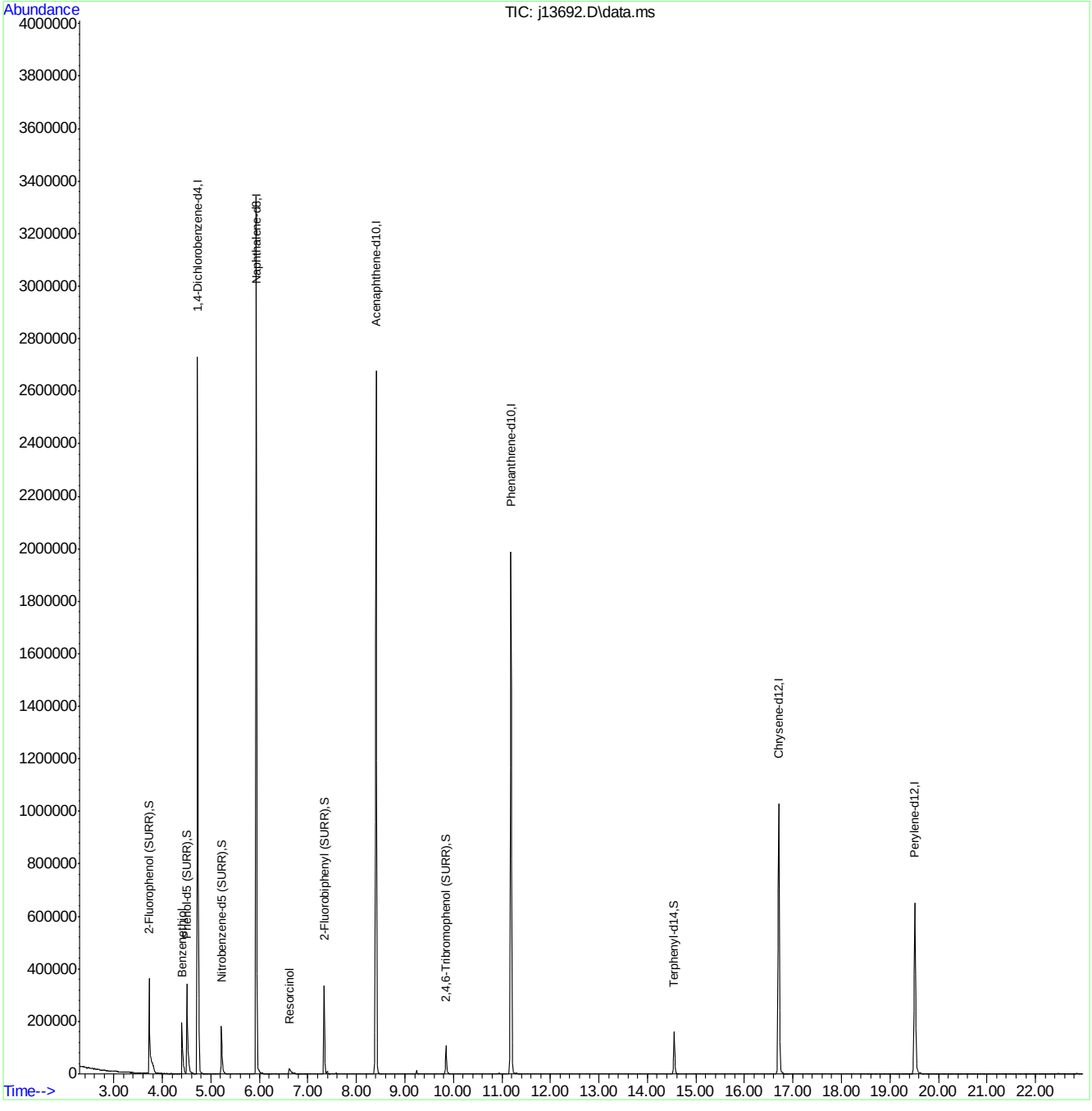
8.6.40

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On : 8 Oct 2009 12:51 pm
Operator : sheilac
Sample : ic629-5,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 6 Sample Multiplier: 1

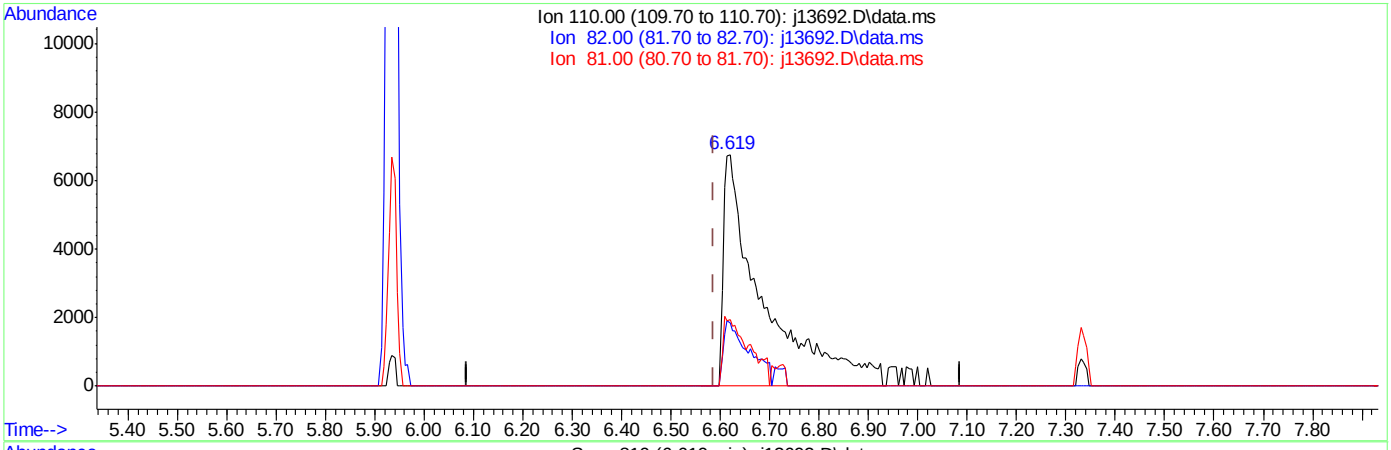
Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

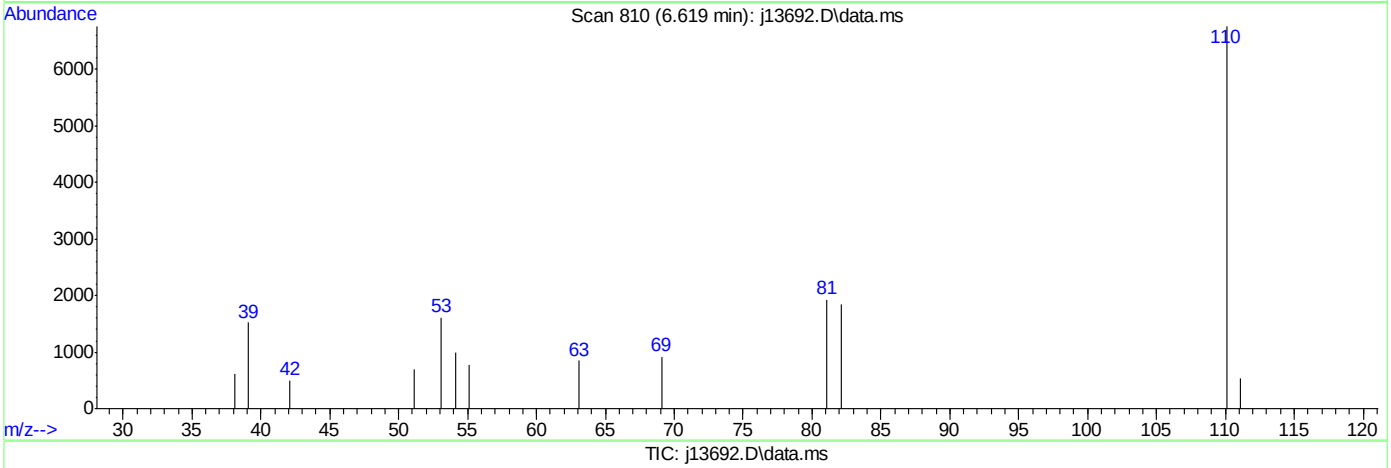


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13692.D
Acq On    :  8 Oct 2009  12:51 pm
Operator  : sheilac
Sample    : ic629-5,(Bzth+Resor)
Misc      : op12949,Ej629,1000,,,1,1,water
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Oct 08 14:17:47 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title  :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration
```





TIC: j13692.D\data.ms

(19) Resorcinol

6.619min (+0.032) 3.56ug/ml m

response 37907

Ion	Exp%	Act%
110.00	100	100
82.00	27.40	0.00#
81.00	29.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13693.D
Acq On : 8 Oct 2009 1:22 pm
Operator : sheilac
Sample : ic629-25,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 14:18:08 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	475641	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1645968	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	892948	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.192	188	1306835	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	782066	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	535495	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	853637	54.08	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 54.08%			
5) Phenol-d5 (SURR)	4.496	99	1067694	61.43	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 61.43%#			
15) Nitrobenzene-d5 (SURR)	5.218	82	483689	28.55	ug/ml	-0.05
Spiked Amount 50.000	Range 29 - 115		Recovery = 57.10%			
22) 2-Fluorobiphenyl (SURR)	7.336	172	840343	25.72	ug/ml	0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 51.44%			
28) 2,4,6-Tribromophenol (...	9.850	330	183130	42.56	ug/ml	0.38
Spiked Amount 100.000	Range 32 - 128		Recovery = 42.56%			
35) Terphenyl-d14	14.557	244	533528	29.59	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 59.18%			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	451801	37.45	ug/ml	98
19) Resorcinol	6.582	110	261625	24.64	ug/ml	99

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

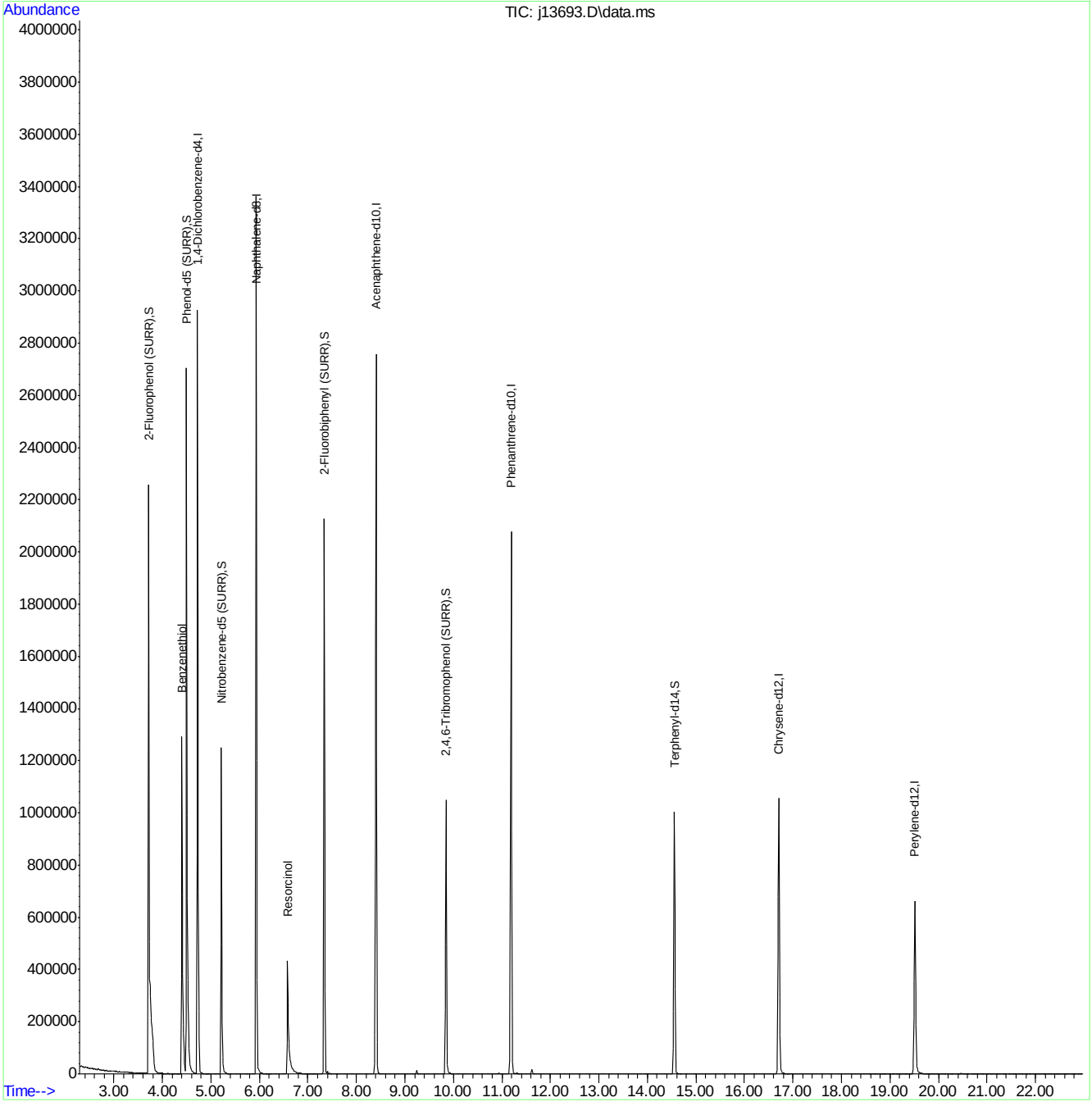
8.6.41

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13693.D
Acq On : 8 Oct 2009 1:22 pm
Operator : sheilac
Sample : ic629-25,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 14:18:08 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



8.6.41 8
ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13694.D
Acq On : 8 Oct 2009 1:52 pm
Operator : sheilac
Sample : ic629-100,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 14:18:30 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	453816	40.00	ug/ml	0.00
14) Naphthalene-d8	5.935	136	1569063	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	846788	40.00	ug/ml	0.27
27) Phenanthrene-d10	11.192	188	1245971	40.00	ug/ml	0.45
33) Chrysene-d12	16.707	240	655946	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	427661	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.720	112	3743084	248.54	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 66		Recovery = 248.54%#			
5) Phenol-d5 (SURR)	4.512	99	4864272	293.30	ug/ml	0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 293.30%#			
15) Nitrobenzene-d5 (SURR)	5.229	82	2060552	127.59	ug/ml	-0.04
Spiked Amount 50.000	Range 29 - 115		Recovery = 255.18%#			
22) 2-Fluorobiphenyl (SURR)	7.352	172	3759153	121.34	ug/ml	0.21
Spiked Amount 50.000	Range 34 - 113		Recovery = 242.68%#			
28) 2,4,6-Tribromophenol (...	9.871	330	1013581	247.09	ug/ml	0.40
Spiked Amount 100.000	Range 32 - 128		Recovery = 247.09%#			
35) Terphenyl-d14	14.573	244	2266528	149.86	ug/ml	0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 299.72%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	1827357	158.74	ug/ml	99
19) Resorcinol	6.598	110	1263288	124.82	ug/ml	100

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

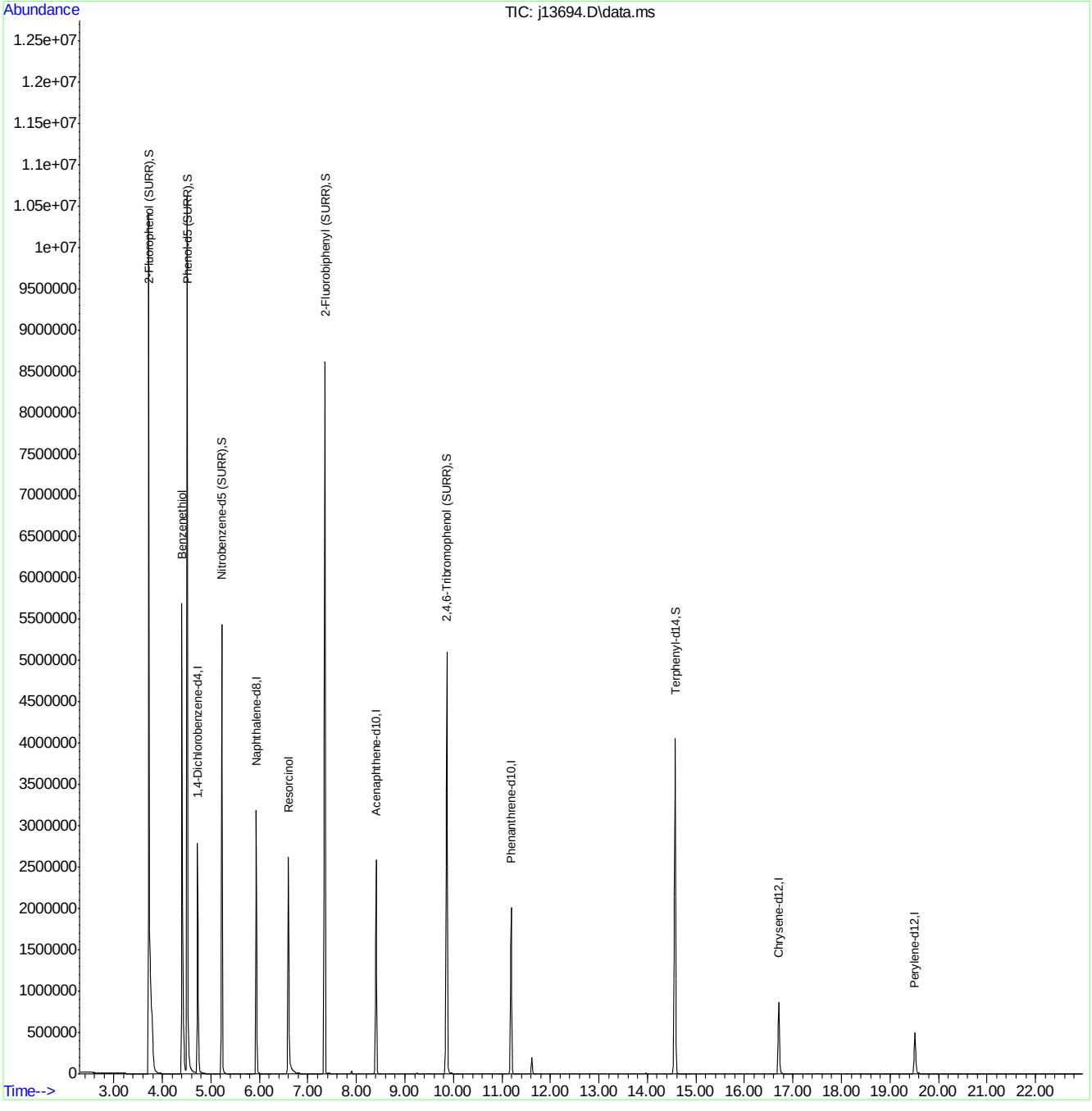
8.6.42

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13694.D
Acq On : 8 Oct 2009 1:52 pm
Operator : sheilac
Sample : ic629-100,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 14:18:30 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 11:56:07 2009
Response via : Initial Calibration



ACCUTEST Laboratories T39187

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13695.D
Acq On : 8 Oct 2009 2:26 pm
Operator : sheilac
Sample : icv629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 14:51:49 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration

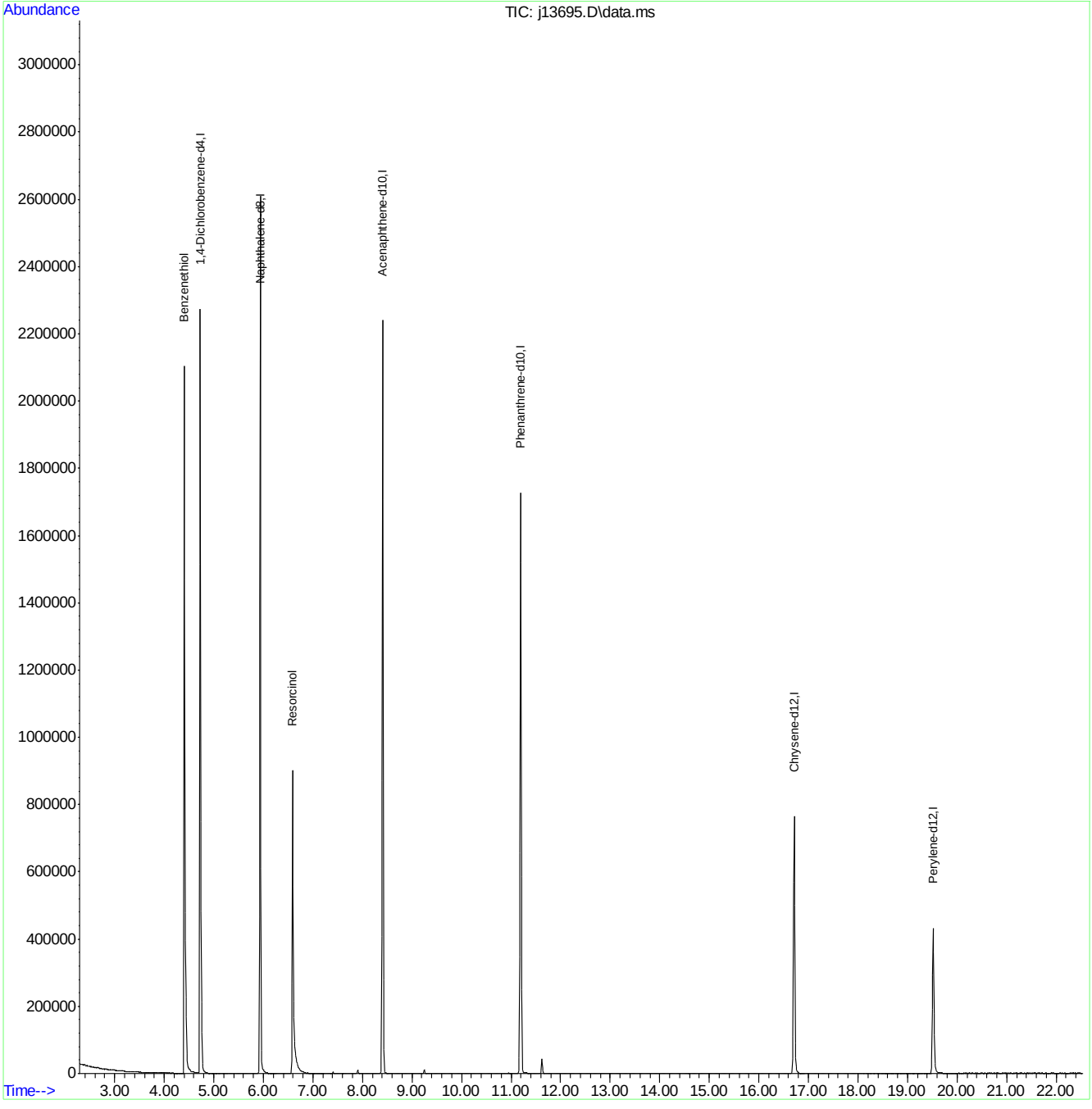
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	386125	40.00	ug/ml	0.00
14) Naphthalene-d8	5.940	136	1353260	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.411	164	734185	40.00	ug/ml	0.00
27) Phenanthrene-d10	11.192	188	1056391	40.00	ug/ml	0.00
33) Chrysene-d12	16.712	240	572562	40.00	ug/ml	0.00
40) Perylene-d12	19.515	264	373851	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 66		Recovery = 0.00%#			
5) Phenol-d5 (SURR)	0.000	99	0	0.00	ug/ml	
Spiked Amount 100.000	Range 10 - 53		Recovery = 0.00%#			
15) Nitrobenzene-d5 (SURR)	0.000	82	0	0.00	ug/ml	
Spiked Amount 50.000	Range 29 - 115		Recovery = 0.00%#			
22) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ug/ml	
Spiked Amount 50.000	Range 34 - 113		Recovery = 0.00%#			
28) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ug/ml	
Spiked Amount 100.000	Range 32 - 128		Recovery = 0.00%#			
35) Terphenyl-d14	0.000	244	0	0.00	ug/ml	
Spiked Amount 50.000	Range 12 - 145		Recovery = 0.00%#			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	707244	48.86	ug/ml	99
19) Resorcinol	6.587	110	470278	47.27	ug/ml	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej629\
Data File : j13695.D
Acq On : 8 Oct 2009 2:26 pm
Operator : sheilac
Sample : icv629-50,(Bzth+Resor)
Misc : op12949,Ej629,1000,,,1,1,water
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 14:51:49 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:50:46 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/09/09 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.737	152	714939	40.00	ug/ml	0.01
20) Naphthalene-d8	5.956	136	2313081	40.00	ug/ml	0.01
36) Acenaphthene-d10	8.427	164	1190901	40.00	ug/ml	0.01
57) Phenanthrene-d10	11.208	188	1538062	40.00	ug/ml	0.00
71) Chrysene-d12	16.739	240	1103444	40.00	ug/ml	0.00
80) Perylene-d12	19.531	264	645836	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.720	112	2382258	106.18	ug/ml	0.04
Spiked Amount 100.000	Range 10 - 66		Recovery = 106.18%#			
5) Phenol-d5 (SURR)	4.517	99	3172982	113.16	ug/ml	0.02
Spiked Amount 100.000	Range 10 - 53		Recovery = 113.16%#			
21) Nitrobenzene-d5 (SURR)	5.239	82	1306278	53.85	ug/ml	-0.06
Spiked Amount 50.000	Range 29 - 115		Recovery = 107.70%			
40) 2-Fluorobiphenyl (SURR)	7.357	172	2406298	49.61	ug/ml	-0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 99.22%			
62) 2,4,6-Tribromophenol (...	9.882	330	538631	104.08	ug/ml	-0.08
Spiked Amount 100.000	Range 32 - 128		Recovery = 104.08%			
74) Terphenyl-d14	14.573	244	1227800	46.60	ug/ml	-0.02
Spiked Amount 50.000	Range 12 - 145		Recovery = 93.20%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.485	74	609496	50.72	ug/ml	99
3) Pyridine	2.458	79	1117133m	52.68	ug/ml	
6) Phenol	4.528	94	1729822	57.00	ug/ml	92
7) Aniline	4.491	93	1844685	54.76	ug/ml	98
8) bis(2-Chloroethyl)ether	4.533	93	1274876	42.86	ug/ml	89
9) 2-Chlorophenol	4.592	128	1165901	49.53	ug/ml	99
10) 1,3-Dichlorobenzene	4.688	146	1314890	49.31	ug/ml	100
11) 1,4-Dichlorobenzene	4.753	146	1457827	50.96	ug/ml	99
12) Benzyl Alcohol	4.892	108	804779	49.07	ug/ml	100
13) 1,2-Dichlorobenzene	4.881	146	1351074	50.34	ug/ml	99
14) 2-Methylphenol	4.999	108	1048801	49.30	ug/ml	90
15) bis(2-chloroisopropyl)...	4.977	45	1684926	44.73	ug/ml#	70
16) 4-Methylphenol	5.143	108	1071768	47.63	ug/ml	99
17) m+p-Cresols	5.143	108	1071768	47.63	ug/ml	99
18) n-Nitroso-di-n-propyla...	5.122	70	907789	44.47	ug/ml	100
19) Hexachloroethane	5.175	117	526166	50.41	ug/ml	99
22) Nitrobenzene	5.261	77	1280879	53.76	ug/ml	99
23) Isophorone	5.491	82	2049466	46.85	ug/ml	99
24) 2-Nitrophenol	5.560	139	578125	52.78	ug/ml	99
25) 2,4-Dimethylphenol	5.635	122	955497	52.75	ug/ml	98
26) bis(2-Chloroethoxy)met...	5.699	93	1235612	51.25	ug/ml	100
27) Benzoic Acid	5.870	105	680304m	75.62	ug/ml	
28) 2,4-Dichlorophenol	5.838	162	867890	54.47	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.892	180	998217	52.06	ug/ml	100
30) Naphthalene	5.977	128	3316567	52.64	ug/ml	100
31) 4-Chloroaniline	6.047	127	1211967	52.73	ug/ml	99
32) Hexachlorobutadiene	6.122	225	667058	55.42	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.683	107	892905	49.62	ug/ml	99
34) 2-Methylnaphthalene	6.823	142	1913383	49.71	ug/ml	99
35) 1-Methylnaphthalene	6.962	142	1994383	49.48	ug/ml	99
37) Hexachlorocyclopentadiene	7.053	237	339911	61.76	ug/ml	97
38) 2,4,6-Trichlorophenol	7.256	196	516987	52.02	ug/ml	100
39) 2,4,5-Trichlorophenol	7.331	196	545559	46.11	ug/ml	99
41) 2-Chloronaphthalene	7.529	162	1726361	51.88	ug/ml	100
42) 2-Nitroaniline	7.716	65	573113	51.23	ug/ml	99
43) Dimethylphthalate	8.047	163	1807531	45.20	ug/ml	100
44) Acenaphthylene	8.186	152	2751846	48.79	ug/ml	100
45) 2,6-Dinitrotoluene	8.128	165	427424	45.43	ug/ml#	83
46) 3-Nitroaniline	8.422	138	446211	50.80	ug/ml	100
47) Acenaphthene	8.491	154	1629904	49.19	ug/ml	100
48) 2,4-Dinitrophenol	8.604	184	171575	54.84	ug/ml	95
49) 4-Nitrophenol	8.866	65	197585	37.06	ug/ml	85
50) Dibenzofuran	8.791	168	2289376	48.37	ug/ml	99
51) 2,4-Dinitrotoluene	8.828	165	489850	43.47	ug/ml	87
52) 2,3,4,6-Tetrachlorophenol	9.058	232	399031	45.27	ug/ml	99
53) Diethylphthalate	9.299	149	1828681	44.07	ug/ml	99
54) Fluorene	9.411	166	1932697	46.85	ug/ml	100
55) 4-Chlorophenyl-phenyle...	9.433	204	953694	44.92	ug/ml	99
56) 4-Nitroaniline	9.545	138	316939	47.05	ug/ml	96
58) 1,2-Diphenylhydrazine	9.738	77	1927377	49.28	ug/ml	99
59) 4,6-Dinitro-2-methylph...	9.604	198	242362	48.68	ug/ml	96
60) Diphenylamine	9.684	169	1488449	51.71	ug/ml	100
61) n-Nitrosodiphenylamine	9.684	169	1488449	51.71	ug/ml	100
63) 4-Bromophenyl-phenylether	10.363	248	496171	51.10	ug/ml	99
64) Hexachlorobenzene	10.481	284	509593	48.17	ug/ml	98
65) Pentachlorophenol	10.914	266	163190	45.52	ug/ml	99
66) Phenanthrene	11.262	178	2222465	48.50	ug/ml	100
67) Anthracene	11.364	178	2153065	48.80	ug/ml	100
68) Carbazole	11.738	167	1665517	46.88	ug/ml	100
69) Di-n-butylphthalate	12.556	149	2449180	44.51	ug/ml	99
70) Fluoranthene	13.701	202	1797097	43.26	ug/ml	99
72) Benzidine	14.049	184	625864	57.12	ug/ml#	100
73) Pyrene	14.161	202	1780164	45.79	ug/ml	100
75) Butylbenzylphthalate	15.675	149	781060	45.11	ug/ml	100
76) Benzo(a)anthracene	16.712	228	1507505	48.56	ug/ml	99
77) 3,3'-Dichlorobenzidine	16.718	252	419608	55.15	ug/ml	99
78) Chrysene	16.792	228	1288847	49.26	ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.953	149	1029335	44.24	ug/ml	99
81) Di-n-octylphthalate	18.242	149	1546996	50.01	ug/ml#	97
82) Benzo(b)fluoranthene	18.846	252	1073834	50.31	ug/ml	100
83) Benzo(k)fluoranthene	18.900	252	1054151	54.07	ug/ml	99
84) Benzo(a)pyrene	19.429	252	928243	50.94	ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.633	276	817740	53.22	ug/ml	97
86) Dibenz(a,h)anthracene	21.660	278	681865	53.47	ug/ml	97
87) Benzo(g,h,i)perylene	22.221	276	613001	52.81	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

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

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

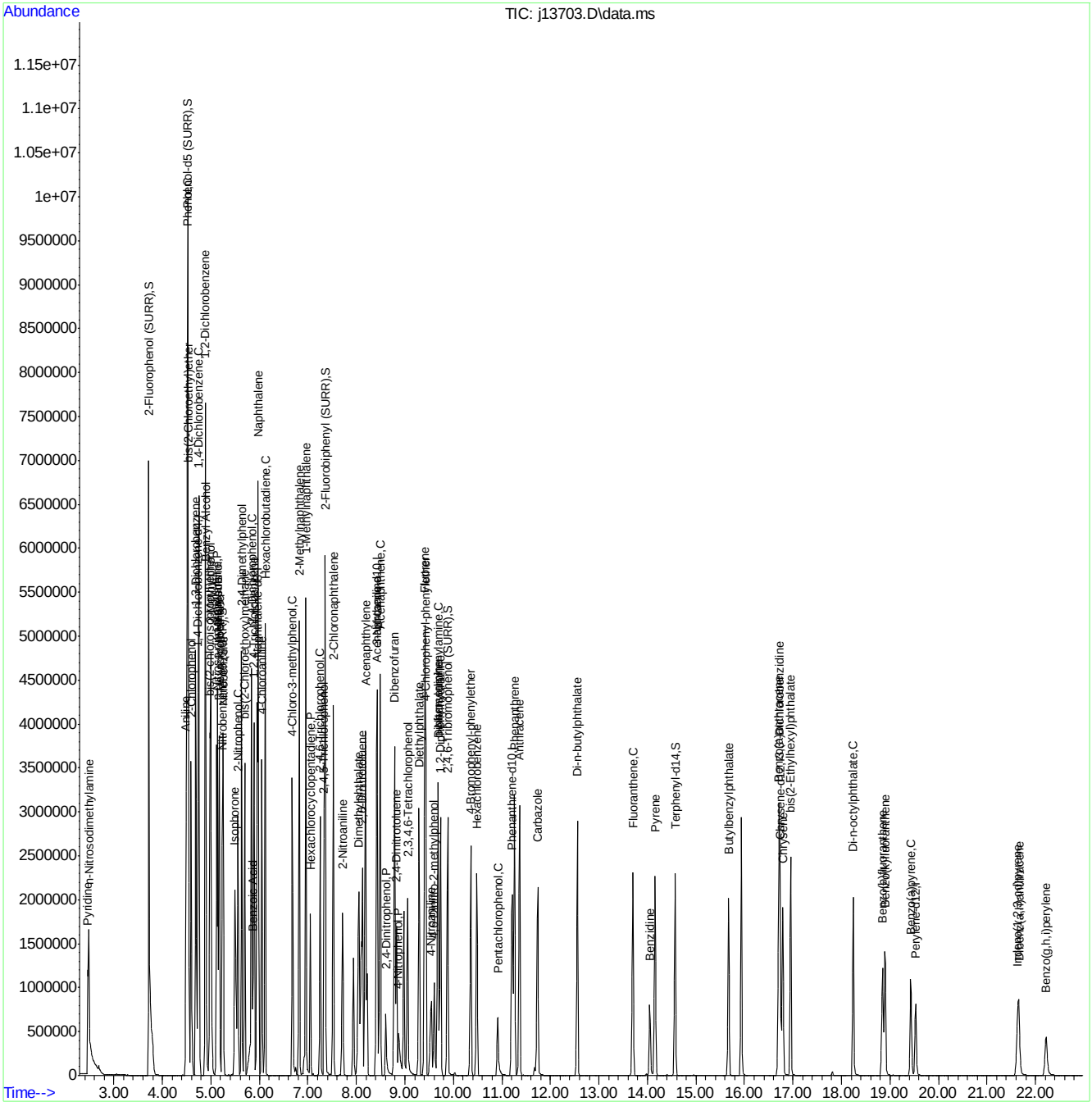
8.6.44

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

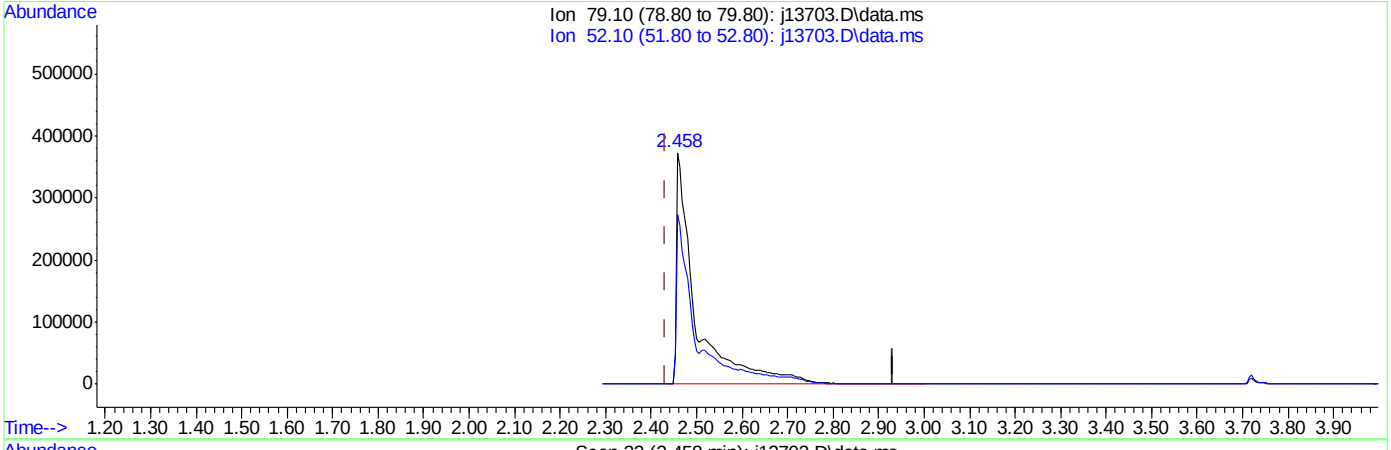
Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration

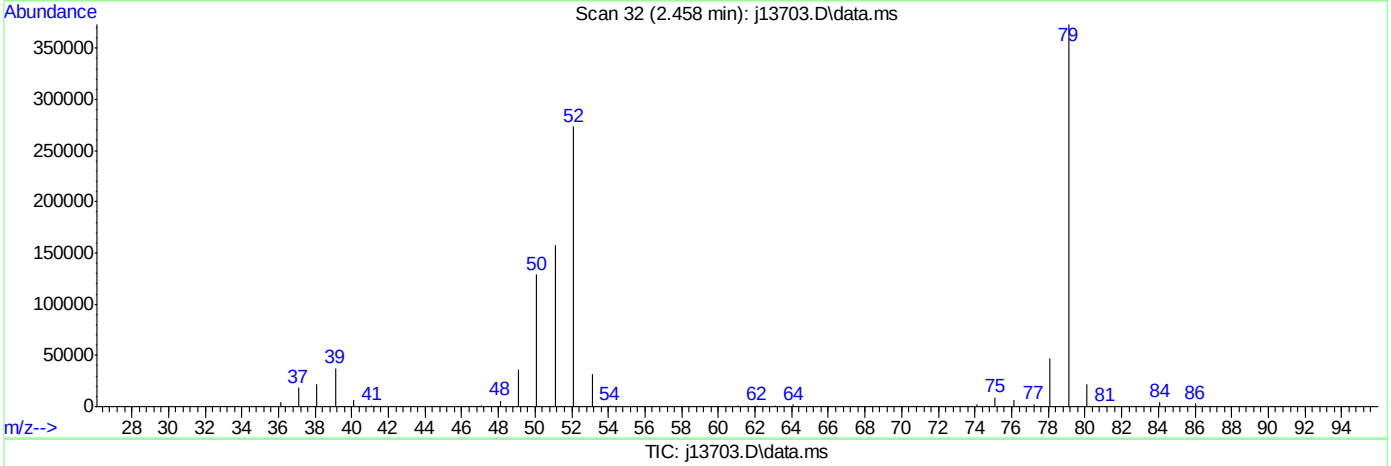


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration





TIC: j13703.D\data.ms

(3) Pyridine

2.458min (+0.026) 52.68ug/ml m

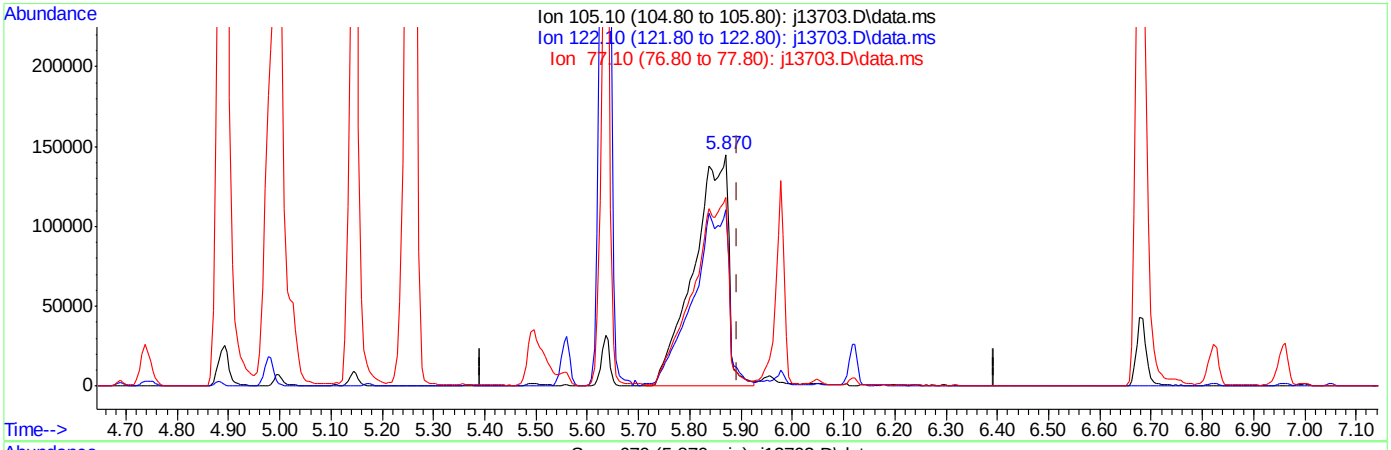
response 1117133

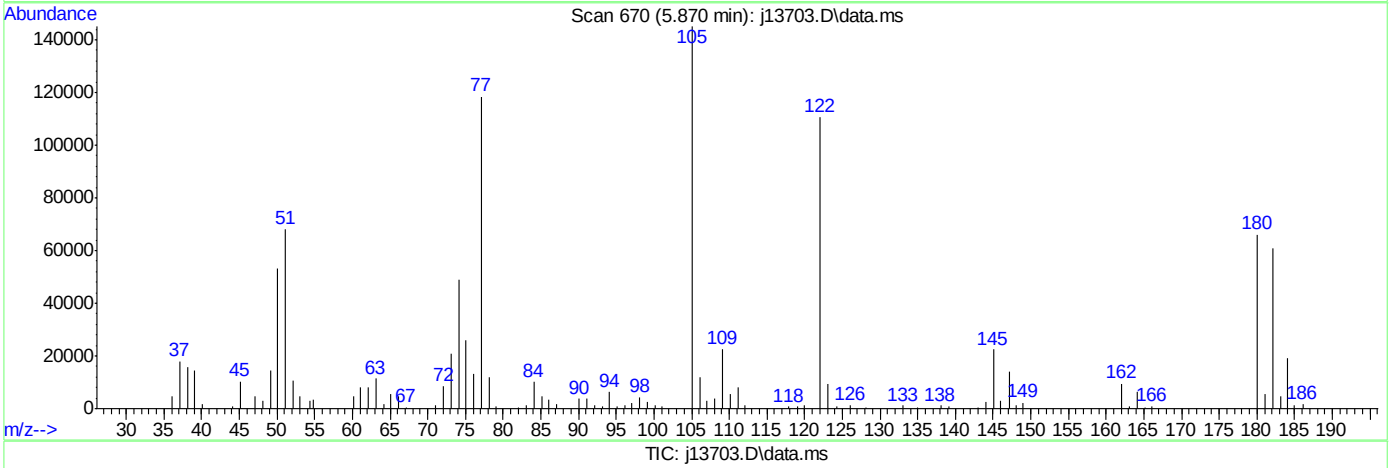
Ion	Exp%	Act%
79.10	100	100
52.10	72.60	44.89#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13703.D
Acq On : 8 Oct 2009 6:44 pm
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 08:58:07 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Thu Oct 08 10:59:06 2009
Response via : Initial Calibration





TIC: j13703.D\data.ms

(27) Benzoic Acid

5.870min (-0.023) 75.62ug/ml m

response 680304

Ion	Exp%	Act%
105.10	100	100
122.10	75.20	51.55#
77.10	81.90	54.67#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13704.D
Acq On : 8 Oct 2009 7:21 pm
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 15:06:07 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	577247	40.00	ug/ml	0.00
14) Naphthalene-d8	5.945	136	2025013	40.00	ug/ml	0.01
21) Acenaphthene-d10	8.416	164	1082506	40.00	ug/ml	0.01
27) Phenanthrene-d10	11.203	188	1585750	40.00	ug/ml	0.01
33) Chrysene-d12	16.717	240	837980	40.00	ug/ml	0.01
40) Perylene-d12	19.525	264	511871	40.00	ug/ml	0.01
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.720	112	2208781	101.92	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 101.92%#			
5) Phenol-d5 (SURR)	4.506	99	2836909	103.41	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 103.41%#			
15) Nitrobenzene-d5 (SURR)	5.228	82	1256765	51.09	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 102.18%			
22) 2-Fluorobiphenyl (SURR)	7.352	172	2264174	52.30	ug/ml	0.00
Spiked Amount 50.000	Range 34 - 113		Recovery = 104.60%			
28) 2,4,6-Tribromophenol (...	9.866	330	538829	99.06	ug/ml	0.00
Spiked Amount 100.000	Range 32 - 128		Recovery = 99.06%			
35) Terphenyl-d14	14.573	244	1361068	54.81	ug/ml	0.00
Spiked Amount 50.000	Range 12 - 145		Recovery = 109.62%			
Target Compounds						Qvalue
4) Benzenethiol	4.410	110	1137480	52.57	ug/ml	99
19) Resorcinol	6.592	110	714156	47.90	ug/ml	99

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

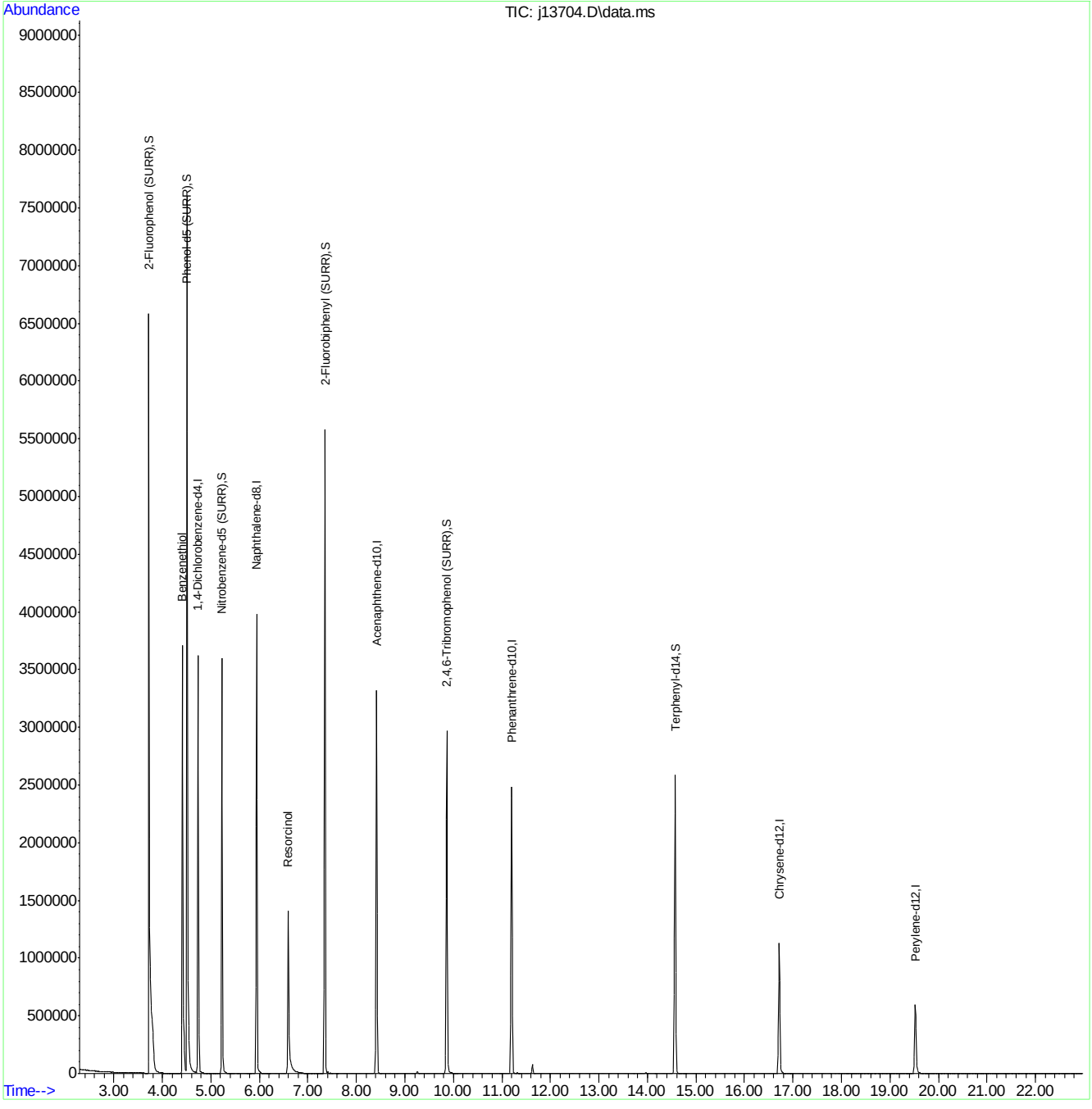
8.6.45

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej630\
Data File : j13704.D
Acq On : 8 Oct 2009 7:21 pm
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej630,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 15:06:07 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Richard Rodriguez
10/14/09 10:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13726.D
Acq On : 9 Oct 2009 9:27 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 13:50:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	443966	40.00	ug/ml	0.00
20) Naphthalene-d8	5.951	136	1544818	40.00	ug/ml	0.00
36) Acenaphthene-d10	8.427	164	866250	40.00	ug/ml	0.01
57) Phenanthrene-d10	11.208	188	1249051	40.00	ug/ml	0.00
71) Chrysene-d12	16.744	240	1159703	40.00	ug/ml	0.01
80) Perylene-d12	19.536	264	653149	40.00	ug/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.710	112	1440791	103.41	ug/ml	0.03
Spiked Amount 100.000	Range 10 - 66		Recovery = 103.41%#			
5) Phenol-d5 (SURR)	4.507	99	1945937	111.75	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 111.75%#			
21) Nitrobenzene-d5 (SURR)	5.234	82	857213	52.91	ug/ml	-0.07
Spiked Amount 50.000	Range 29 - 115		Recovery = 105.82%			
40) 2-Fluorobiphenyl (SURR)	7.357	172	1670908	49.52	ug/ml	-0.19
Spiked Amount 50.000	Range 34 - 113		Recovery = 99.04%			
62) 2,4,6-Tribromophenol (...	9.882	330	404300	96.20	ug/ml	-0.08
Spiked Amount 100.000	Range 32 - 128		Recovery = 96.20%			
74) Terphenyl-d14	14.578	244	1186328	42.84	ug/ml	-0.02
Spiked Amount 50.000	Range 12 - 145		Recovery = 85.68%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.463	74	389539	52.20	ug/ml	96
3) Pyridine	2.437	79	719435m	54.64	ug/ml	
6) Phenol	4.517	94	1049399	55.69	ug/ml	100
7) Aniline	4.485	93	1120101	53.45	ug/ml	91
8) bis(2-Chloroethyl)ether	4.528	93	837975	45.36	ug/ml	89
9) 2-Chlorophenol	4.581	128	727749	49.79	ug/ml	100
10) 1,3-Dichlorobenzene	4.683	146	819150	49.47	ug/ml	99
11) 1,4-Dichlorobenzene	4.747	146	890545	50.13	ug/ml	99
12) Benzyl Alcohol	4.881	108	484709	47.59	ug/ml	98
13) 1,2-Dichlorobenzene	4.876	146	834751	50.09	ug/ml	99
14) 2-Methylphenol	4.993	108	663496	50.23	ug/ml#	89
15) bis(2-chloroisopropyl)...	4.977	45	1162158	49.68	ug/ml#	73
16) 4-Methylphenol	5.138	108	685087	49.02	ug/ml	97
17) m+p-Cresols	5.138	108	685087	49.02	ug/ml	97
18) n-Nitroso-di-n-propyla...	5.111	70	619437	48.87	ug/ml	99
19) Hexachloroethane	5.170	117	325332	50.19	ug/ml	100
22) Nitrobenzene	5.250	77	846134	53.18	ug/ml	99
23) Isophorone	5.485	82	1463860	50.11	ug/ml	99
24) 2-Nitrophenol	5.555	139	366033	50.03	ug/ml	97
25) 2,4-Dimethylphenol	5.630	122	628502	51.95	ug/ml	97
26) bis(2-Chloroethoxy)met...	5.694	93	826193	51.31	ug/ml	100
27) Benzoic Acid	5.833	105	418622	60.77	ug/ml	97
28) 2,4-Dichlorophenol	5.833	162	555163	52.17	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.886	180	652611	50.97	ug/ml	99
30) Naphthalene	5.972	128	2186582	51.97	ug/ml	100
31) 4-Chloroaniline	6.042	127	794240	51.78	ug/ml	97
32) Hexachlorobutadiene	6.116	225	424957	52.86	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13726.D
Acq On : 9 Oct 2009 9:27 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 13:50:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 4-Chloro-3-methylphenol	6.678	107	608022	50.59 ug/ml	99
34) 2-Methylnaphthalene	6.822	142	1317714	51.26 ug/ml	99
35) 1-Methylnaphthalene	6.956	142	1378316	51.20 ug/ml	99
37) Hexachlorocyclopentadiene	7.047	237	147006	41.33 ug/ml	97
38) 2,4,6-Trichlorophenol	7.250	196	352336	48.74 ug/ml	99
39) 2,4,5-Trichlorophenol	7.331	196	373638	43.63 ug/ml	100
41) 2-Chloronaphthalene	7.523	162	1206131	49.83 ug/ml	99
42) 2-Nitroaniline	7.716	65	424407	52.15 ug/ml	97
43) Dimethylphthalate	8.042	163	1401877	48.19 ug/ml	100
44) Acenaphthylene	8.186	152	1999582	48.74 ug/ml	100
45) 2,6-Dinitrotoluene	8.122	165	324106	47.35 ug/ml#	79
46) 3-Nitroaniline	8.416	138	326157	51.04 ug/ml	99
47) Acenaphthene	8.486	154	1196173	49.63 ug/ml	100
48) 2,4-Dinitrophenol	8.604	184	127502	55.77 ug/ml	94
49) 4-Nitrophenol	8.871	65	158735	40.64 ug/ml	89
50) Dibenzofuran	8.785	168	1688616	49.05 ug/ml	99
51) 2,4-Dinitrotoluene	8.828	165	392913	47.93 ug/ml	87
52) 2,3,4,6-Tetrachlorophenol	9.053	232	290306	45.28 ug/ml	99
53) Diethylphthalate	9.294	149	1470464	48.72 ug/ml	99
54) Fluorene	9.411	166	1471212	49.03 ug/ml	99
55) 4-Chlorophenyl-phenyle...	9.433	204	714625	46.17 ug/ml	99
56) 4-Nitroaniline	9.545	138	254581	51.96 ug/ml	95
58) 1,2-Diphenylhydrazine	9.738	77	1517434	47.77 ug/ml	100
59) 4,6-Dinitro-2-methylph...	9.604	198	197901	48.92 ug/ml	98
60) Diphenylamine	9.684	169	1155824	49.45 ug/ml	100
61) n-Nitrosodiphenylamine	9.684	169	1155824	49.45 ug/ml	100
63) 4-Bromophenyl-phenylether	10.358	248	381997	48.45 ug/ml	98
64) Hexachlorobenzene	10.481	284	409892	47.71 ug/ml	97
65) Pentachlorophenol	10.914	266	134994	46.15 ug/ml	98
66) Phenanthrene	11.262	178	1818654	48.87 ug/ml	100
67) Anthracene	11.363	178	1764625	49.25 ug/ml	99
68) Carbazole	11.738	167	1456291	50.48 ug/ml	99
69) Di-n-butylphthalate	12.562	149	2195337	49.12 ug/ml	99
70) Fluoranthene	13.706	202	1664477	49.33 ug/ml	99
72) Benzidine	14.054	184	628015	55.72 ug/ml#	100
73) Pyrene	14.166	202	1684977	41.23 ug/ml	100
75) Butylbenzylphthalate	15.680	149	789044	43.36 ug/ml	100
76) Benzo(a)anthracene	16.717	228	1585433	48.60 ug/ml	99
77) 3,3'-Dichlorobenzidine	16.723	252	537041	67.16 ug/ml	98
78) Chrysene	16.798	228	1341966	48.80 ug/ml	99
79) bis(2-Ethylhexyl)phtha...	16.958	149	1061533	43.41 ug/ml	99
81) Di-n-octylphthalate	18.247	149	1663906	53.19 ug/ml#	97
82) Benzo(b)fluoranthene	18.857	252	1116199	51.71 ug/ml	100
83) Benzo(k)fluoranthene	18.905	252	1129599	57.29 ug/ml	99
84) Benzo(a)pyrene	19.440	252	946853	51.38 ug/ml#	10
85) Indeno(1,2,3-cd)pyrene	21.638	276	726118	46.73 ug/ml	97
86) Dibenz(a,h)anthracene	21.665	278	601935	46.67 ug/ml	96
87) Benzo(g,h,i)perylene	22.227	276	522235	44.49 ug/ml	98

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13726.D
Acq On    :  9 Oct 2009   9:27 am
Operator  : sheilac
Sample    : cc615-50
Misc      : op12949,Ej631,1000,,,1,1,water
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 12 13:50:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title  :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

        Compound                  R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

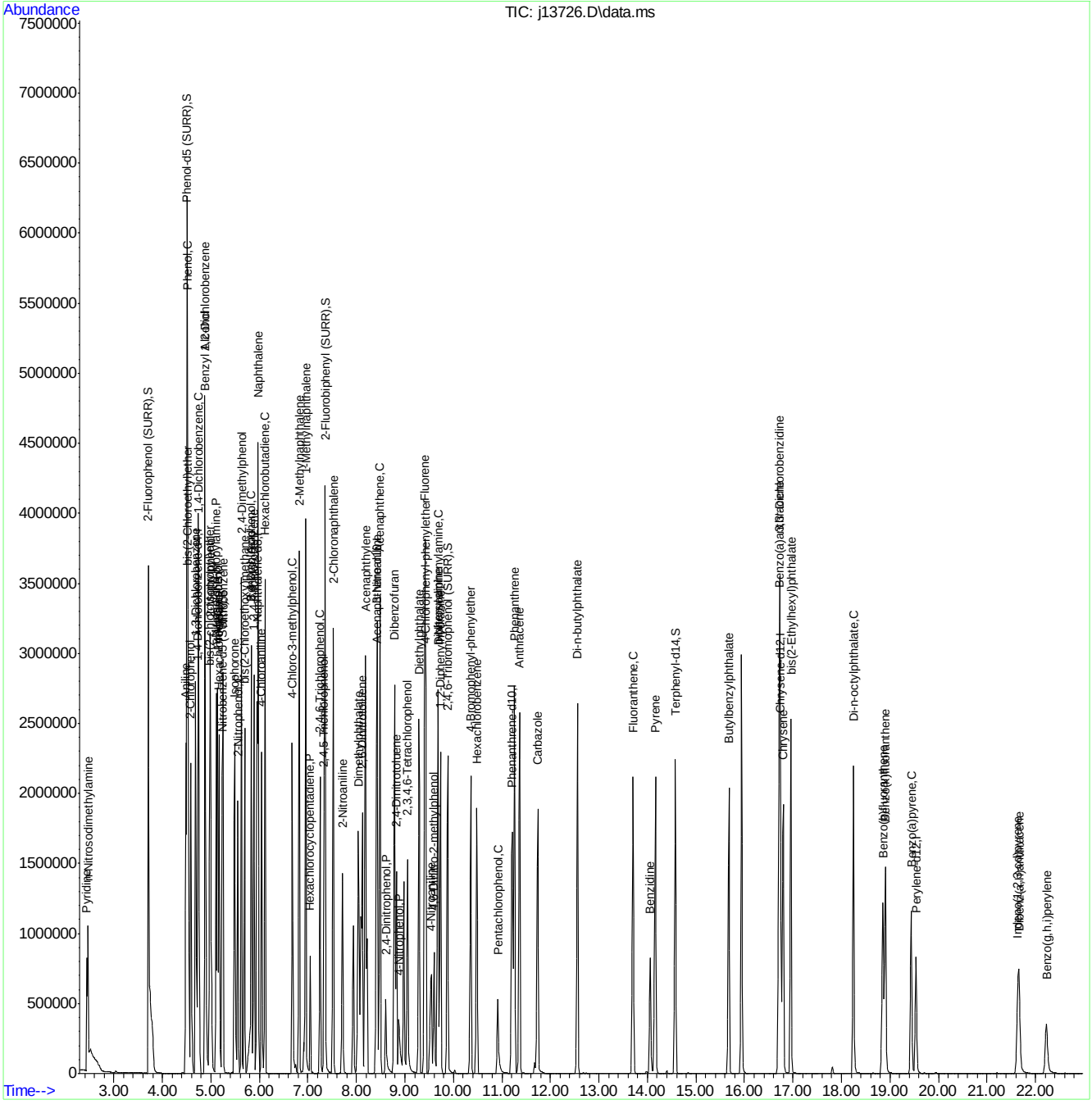
8.6.46

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13726.D
Acq On : 9 Oct 2009 9:27 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

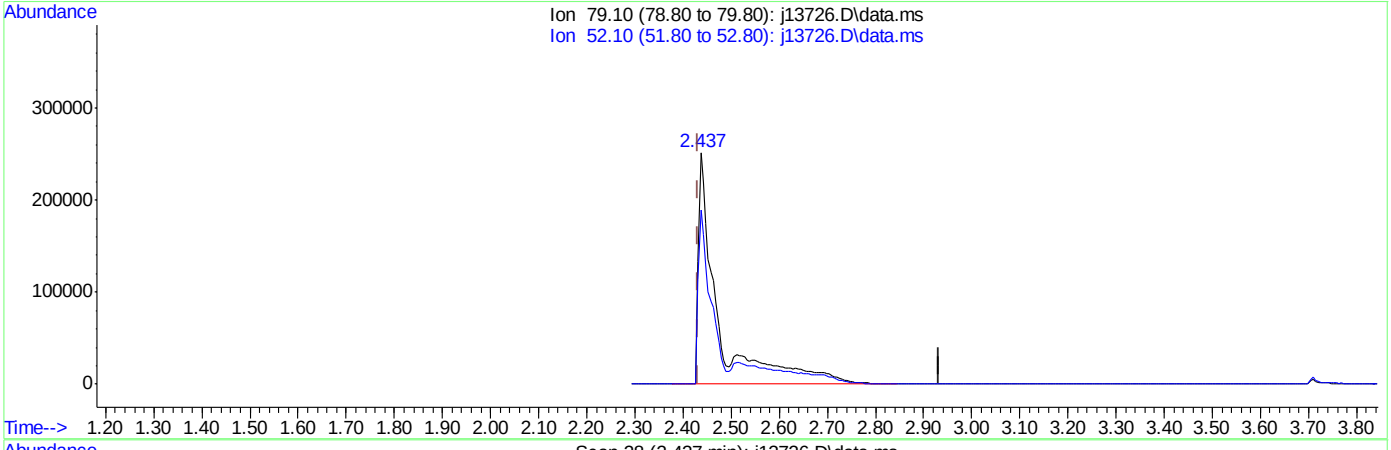
Quant Time: Oct 12 13:50:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration

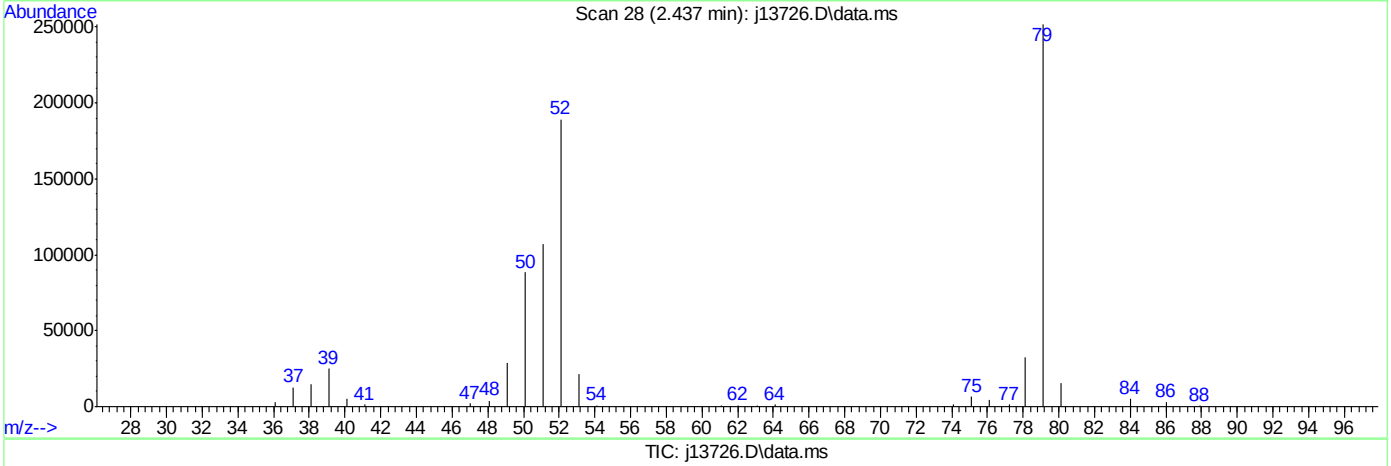


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13726.D
Acq On : 9 Oct 2009 9:27 am
Operator : sheilac
Sample : cc615-50
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 13:50:38 2009
Quant Method : C:\msdchem\1\METHODS\ej615mg.m
Quant Title :
QLast Update : Fri Oct 09 09:24:30 2009
Response via : Initial Calibration





(3) Pyridine

2.437min (+0.005) 54.64ug/ml m

response 719435

Ion	Exp%	Act%
79.10	100	100
52.10	72.60	47.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13727.D
Acq On : 9 Oct 2009 9:57 am
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 10:34:37 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.726	152	459785	40.00	ug/ml	0.00
14) Naphthalene-d8	5.940	136	1587580	40.00	ug/ml	0.00
21) Acenaphthene-d10	8.406	164	806345	40.00	ug/ml	0.00
27) Phenanthrene-d10	11.192	188	1034626	40.00	ug/ml	0.00
33) Chrysene-d12	16.712	240	490211	40.00	ug/ml	0.00
40) Perylene-d12	19.520	264	335243	40.00	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol (SURR)	3.715	112	1730827	100.27	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 66		Recovery = 100.27%#			
5) Phenol-d5 (SURR)	4.501	99	2177622	99.66	ug/ml	-0.01
Spiked Amount 100.000	Range 10 - 53		Recovery = 99.66%#			
15) Nitrobenzene-d5 (SURR)	5.223	82	980598	50.85	ug/ml	0.00
Spiked Amount 50.000	Range 29 - 115		Recovery = 101.70%			
22) 2-Fluorobiphenyl (SURR)	7.341	172	1725878	53.52	ug/ml	-0.01
Spiked Amount 50.000	Range 34 - 113		Recovery = 107.04%			
28) 2,4,6-Tribromophenol (...	9.855	330	342566	96.53	ug/ml	-0.02
Spiked Amount 100.000	Range 32 - 128		Recovery = 96.53%			
35) Terphenyl-d14	14.562	244	781116	53.77	ug/ml	-0.01
Spiked Amount 50.000	Range 12 - 145		Recovery = 107.54%			
Target Compounds						Qvalue
4) Benzenethiol	4.405	110	867996	50.36	ug/ml	100
19) Resorcinol	6.587	110	465358m	40.62	ug/ml	

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

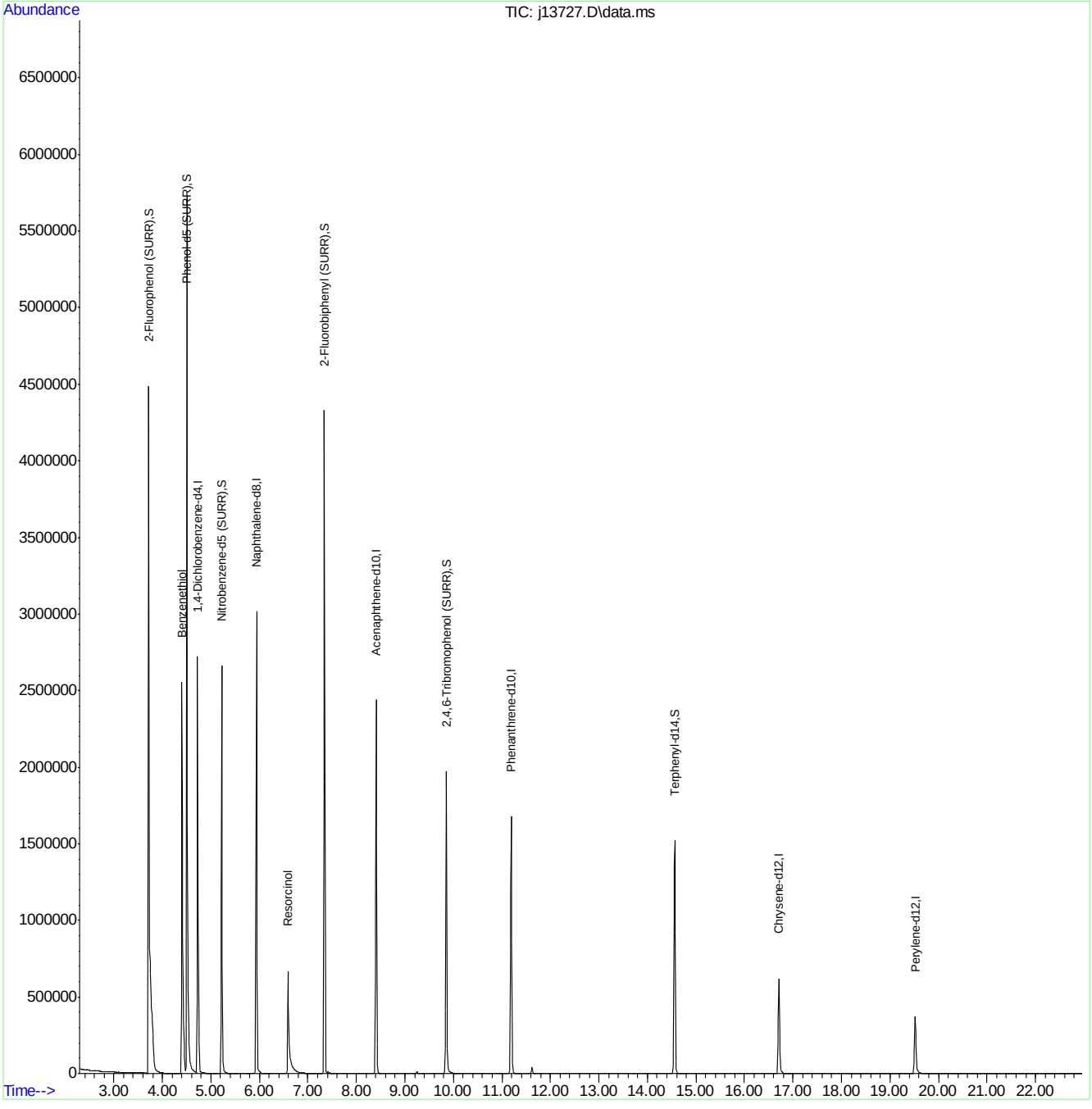
8.6.47

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13727.D
Acq On : 9 Oct 2009 9:57 am
Operator : sheilac
Sample : cc629-50,(Bzth+Resor)
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 3 Sample Multiplier: 1

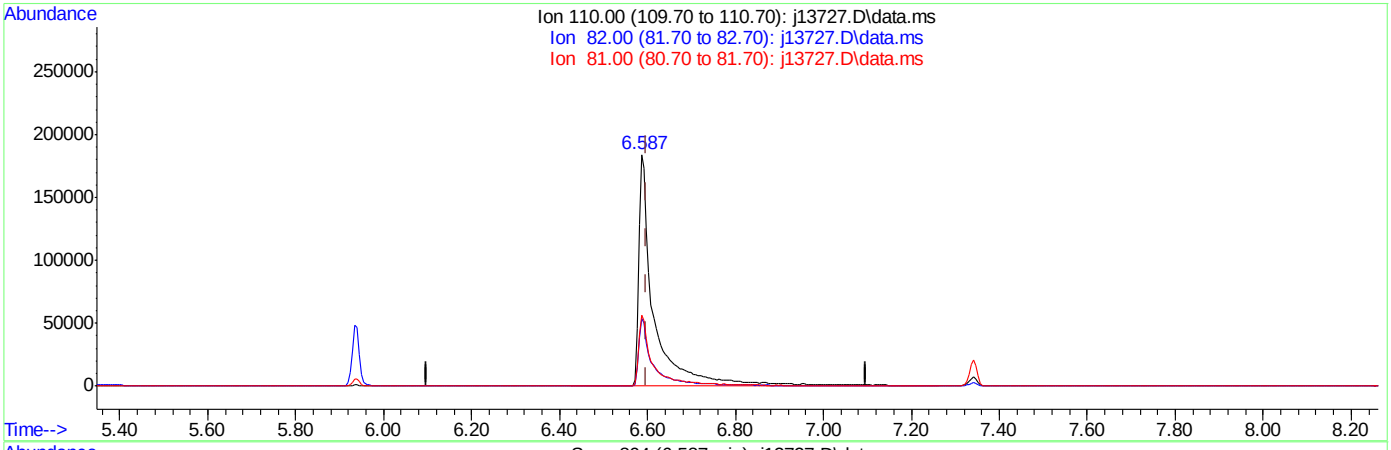
Quant Time: Oct 09 10:34:37 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration

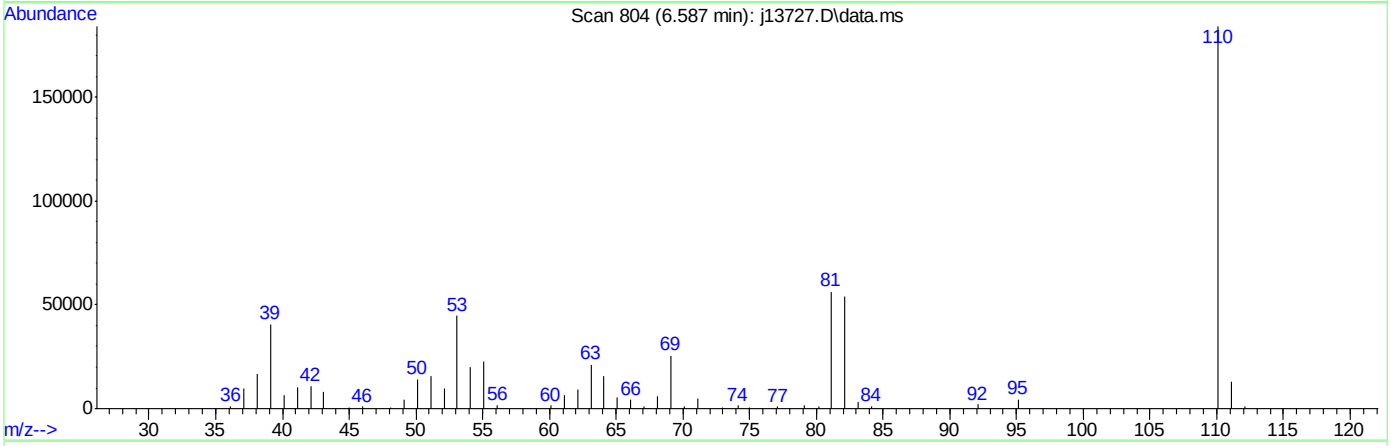


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13727.D
Acq On    :  9 Oct 2009   9:57 am
Operator  : sheilac
Sample    : cc629-50,(Bzth+Resor)
Misc      : op12949,Ej631,1000,,,1,1,water
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Oct 09 10:34:37 2009
Quant Method : C:\msdchem\1\METHODS\ej629ben+res.m
Quant Title  :
QLast Update : Thu Oct 08 14:53:20 2009
Response via : Initial Calibration
```





(19) Resorcinol

6.587min (-0.011) 40.62ug/ml m

response 465358

Ion	Exp%	Act%
110.00	100	100
82.00	27.20	26.27
81.00	29.30	27.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13728.D
Acq On : 9 Oct 2009 10:27 am
Operator : sheilac
Sample : cc602-50,(c10+c18)
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 11:45:42 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Fri Oct 09 10:40:37 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.731	152	886285	40.00	ug/ml	0.00
27) Naphthalene-d8	5.940	136	3887938	40.00	ug/ml	0.00
46) Acenaphthene-d10	8.411	164	1613567	40.00	ug/ml	0.00
69) Phenanthrene-d10	11.192	188	2384253	40.00	ug/ml	0.00
86) Chrysene-d12	16.712	240	1222500	40.00	ug/ml	-0.27
95) Perylene-d12	19.520	264	839169	40.00	ug/ml	-0.28
System Monitoring Compounds						
8) 2-Fluorophenol (SURR)	3.710	112	2673902	83.64	ug/ml	-0.11
Spiked Amount 100.000	Range 10 - 66		Recovery = 83.64%#			
9) Phenol-d5 (SURR)	4.501	99	3754152	95.05	ug/ml	0.00
Spiked Amount 100.000	Range 10 - 53		Recovery = 95.05%#			
28) Nitrobenzene-d5 (SURR)	5.223	82	1695916	44.43	ug/ml	-0.04
Spiked Amount 50.000	Range 29 - 115		Recovery = 88.86%			
51) 2-Fluorobiphenyl (SURR)	7.347	172	3111998	53.00	ug/ml	-0.05
Spiked Amount 50.000	Range 34 - 113		Recovery = 106.00%			
75) 2,4,6-Tribromophenol (...	9.861	330	663942	94.35	ug/ml	-0.08
Spiked Amount 100.000	Range 32 - 128		Recovery = 94.35%			
89) Terphenyl-d14	14.567	244	1747305	58.92	ug/ml	-0.29
Spiked Amount 50.000	Range 12 - 145		Recovery = 117.84%			
Target Compounds						Qvalue
15) n-Decane	4.608	57	1831169	45.28	ug/ml#	98
79) n-Octadecane	12.920	57	1699713	40.30	ug/ml#	98

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

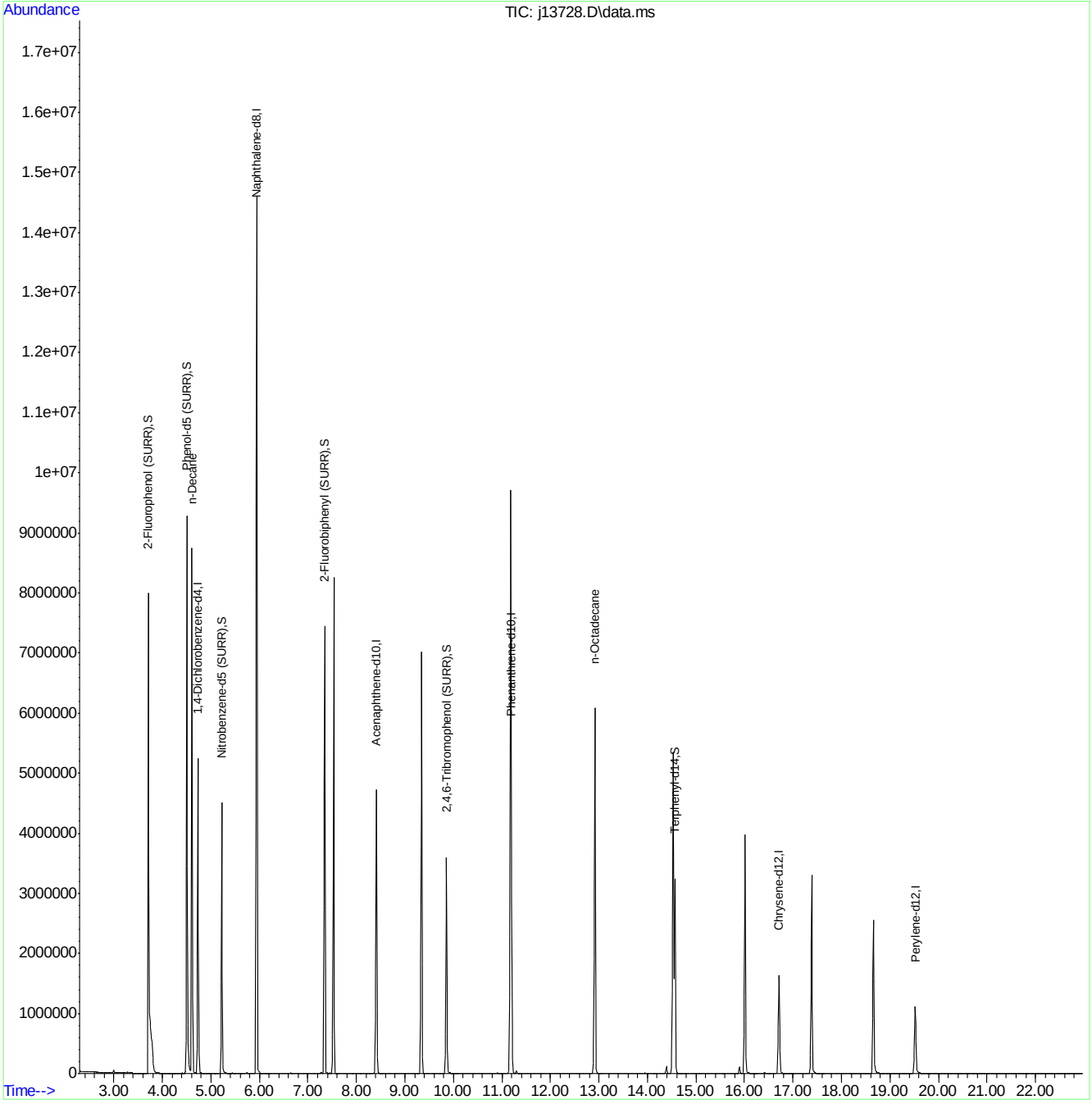
8.6.48

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ej631\
Data File : j13728.D
Acq On : 9 Oct 2009 10:27 am
Operator : sheilac
Sample : cc602-50,(c10+c18)
Misc : op12949,Ej631,1000,,,1,1,water
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 11:45:42 2009
Quant Method : C:\msdchem\1\METHODS\ej602c.m
Quant Title :
QLast Update : Fri Oct 09 10:40:37 2009
Response via : Initial Calibration



ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1917

Date: 10/20/09 P.1 of 2

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	ms799
2	ms840-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data

Ref #	Description
8	ms840-5
9	ms794
10	IS-MS826A

Columns: RTX5 ½ ℓ

SW-846/EPA Method 8270 SIM PAH

Initial Cal. Method H102095P.m

Calibration Date: 10/20/09

Injection Volume: 1 µl

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35482	1	dfopp	dfopp				X	m/e 442 = 39.5 < 40%	Sc
1	83	1	↓	↓				✓	Change Amu scan from 567 10-23 AM to 568	
2	84	2	cc1916-25	HS1MBSPP				X		
3	85	3	ic1917-1					✓		
4	86	4	-91					✓		
5	87	5	-92					✓		
6	88	6	-5					✓		
7	89	7	↓ -10					✓		
8	90	8	icc1917-25					✓		
9	91	9	icv1917-25					✓		
10	92	10	op13269-mb		W	13269	1	✓	use AB8270SL, extract 5u x10	
	93	11	-bs				1	✓		
	94	12	↓ -bsd				1	✓		
	95	13	T33169-1				1	✓		
	96	14	-2				1	✓		
	97	15	-3				1	✓		
	98	16	-4				1	✓		
	99	17	-5				1	✓		
	500	18	↓ -6				1	✓		
↓	↓ 501	19	T39187-1	↓	↓	↓	1	✓	IS6d Sw ok	✓

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1917

Date: 10/20/2009 P.2 of 2

Analyst Signature: Sheila Cheng

Standard Data	
Ref #	Description
10	IS-MS826A

Standard Data	
Ref #	Description

Columns: see page 83

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #: OP091012B11

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
10	H35502	20	T39187-2	HSIMBSPP	W	13269	1	✓	ok	SC
	3	21	5				1	✓	ok	
	4	22	T39314-1				1	✓	IS↓, SU OK	
	5	23	-2				1	✓	ok	
	6	24	-3				1	✓	IS↓, SU OK need RRXp acenaphthene↑ 18.45	
	7	25	-4				1	✓	IS↓ SU OK acenaphthene 8.85	
	8	26	-6				1	✓	IS↓ SU OK, 10:03pm 32:57 acenaphthene↑ need RRX10	
	9	27	-5, 40X				40	X	outside time frame mph 29.09 need RRX10, X400	
	570	28	T39187-3, 80X				80		mph 2.66 acenaphth, 28 fluorene 0.18 need RRX10 ~~phenanthrene~~ 0.60	
	H35571	29	-4, 80X				80		mph 39.48.	

SC 10/20/2009

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1918

Date: 10/21/2009 P.1 of 2

Analyst Signature: Sheila Chang

Standard Data

Ref #	Description
1	MS799
2	MS8240-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data

Ref #	Description
8	MS794
9	IC-MS835A

Columns: RTX,5ml

SW-846/EPA Method 8270SIM PAH

Initial Cal. Method H102195Pim

Calibration Date: 10/21/09

Injection Volume: 1ul

Solvent ID #: ep091012B3

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35512	1	dfbpp	dfbpp				✓	10-48Am	Sc
2	13	2	ICI1918-2.5	HSIMBSPP				✓		
3	14	3	ICI1918-1					✓		
4	15	4	-0.1					✓		
5	16	5	-0.2					✓		
6	17	6	-5					✓		
7	18	7	-10					✓		
8	19	8	ICV1918-2.5					✓		
9	20	9	op13270-mb		W	13270	1	✓	use 8270SC extract 5ul x10	
	21	10	-bs				1	✓		
	22	11	-bsd				1	✓		
	23	12	T39287-1		W	13269	1	✓		
	24	13	T39314-1				1	✓		
	25	14	T39314-3				1	✓	acenaphthene ↑	
	26	15	-4				1	✓	OK	
	27	16	T39314-6,10x				10	✓	acenaphthene 5.52	
	28	17	-3,4x				4	✓	acenaphthene 5.43	
	29	18	op13269-ms				1	✓	T39314-2ms	
	30	19	-msd				1	✓		
	31	20	T39289-1		W	13270	1	✓	IS OK, sul decreased ↑	no need for sim

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1918

Date: 10/21/2009 P. 2 of 2

Analyst Signature: Sheila Cheng

Standard Data	
Ref #	Description
9	IS-MS8315A

Standard Data	
Ref #	Description

Columns: See page 85

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
9	H35532	21	T39289-2	HSIMBSPP	W	13270	1	✓	OK	SC
	33	22	-3				1	✓	OK	
	34	23	-4				1	✓		
	35	24	T39423-1				1	✓	9=33 pm IS↓, RRm EH1919 OK, DNR	
	36	25	-2				1	•	10=02 pm IS↓ Sensitivity↑ NO, DNR	
	37	26	-3				1	•	10=31 pm IS↓ SC OK	
	38	27	-4				1	X	11=00 pm outside tune tolerance	
	39	28	-5				1			
	40	29	-6				1			
	41	30	-7				1			

SC 10/21/2009

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1920

Date: 10/23/2009 P.1 of 2

Analyst Signature: Sheila Chang

Standard Data

Ref #	Description
1	MS799
2	MS890-5
3	-4
4	-1
5	-2
6	-6
7	-7

Standard Data

Ref #	Description
8	~~MS890~~ MS794
9	IS-MS890A
10	

Columns: RTX-5Sil

SW-846/EPA Method 8270Simpaah

Initial Cal. Method H102395p.m

Calibration Date: 10/23/09

Injection Volume: 1 µl

Solvent ID #: OP09101283

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	H35579	1	dfopp	dfopp				✓	10=52Am	SC
2	80	2	ICV1920-25	HSIMBSPP				✓		
3	81	3	ICV1920-1					✓		
4	82	4	-0.1					✓		
5	83	5	-0.2					✓		
6	84	6	-5					✓		
7	85	7	-10					✓		
8	86	8	ICV1920-25					✓		
9	87	9	OP13271-MB		W	13271	1	✓		
for SC	88	10	T39646-7				1	✓	IS/SU OK	
10/23/09	89	11	-8				1	✓	OK	
	90	12	-9				1	✓	IS↓↑ RRX10 for IS	
	91	13	-10				1	✓	IS↑, Chro	
	92	14	-11				1	✓	IS↓↑ SU OK acenaphthene, fluorene, phenanthrene, fluoranthene, RRX10 for IS	
	93	15	-10, 4X				4	✓	IS/SU OK naph, acenaphthene↑	
	94	16	-1, 4X				4	✓	IS/SU OK naph, acenaph, fluorene, phen↑	
	95	17	-2, 10X				10	✓	IS OK SU↑ need RRX40 naph, acenaphthene, fluorene, phenanthrene	
	96	18	-3, 10X				10	✓	IS OK, SU OK, naph↑	
	97	19	-4, 10X				10	✓	IS/SU OK need RRX1, naph, acenaph↑ ~~IS↑ SC 10/26~~ DNR	
	98	20	-5, 10X				10	✓	naph↑ OK ~~PSC↑~~	

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST.

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EH1920

Date: 10/23/2009 P. 2 of 2

Analyst Signature: Shirita Chang

Standard Data	
Ref #	Description
9	IS-MS835A

Standard Data	
Ref #	Description

Columns: see page 89

SW-846/EPA Method

Initial Cal. Method

Calibration Date:

Injection Volume:

Solvent ID #:

Solvent:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
9	H35599	21	T39646-6 4x	HSIMBSPP	W S	13271	4	✓	8=23pm, acenaph, fluorene↑ IS/SUOK, acenaph↑	SC
	600	22	↓ -11, 10x SC 10/23/09		SC 10/23/09		10	✓	IS/SUOK 8=41pm	
	1	23	T39513-6		W	13270	1	✓	IS/SUOK, naph, acenaph, phenanth↑	
	2	24	T39187-3			13269	1	✓	9=42pm, IS/SUOK, naph, acenaph, Fluorene, phenanthrene anthracene	
	3	25	↓ -4, 10x				10	✓	10=11pm, IS/SUOK ↓	
	4	26	T39314-5		↓	↓	1	✓	10=40pm, IS/SUOK ↓ anthracene	
	5	27	T39513-5		W	13270	1	X	11=09pm Butylbenzene RP	
	6	28	↓ -7				1	X		
↓	H35607	29	↓ -8, 10x	↓	↓	↓	10	X	↓	↓

SC 10/23/09

MTX = Matrix Designate W for water, S for soil, O for oil.

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ602

Date: 9/5/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS786-4A
3	MS751-5A
4	-4
5	-2
6	-8
7	-3

Standard Data

Ref #	Description
8	MS751-6
9	-7
10	MS752
11	IS-MS803

Columns: RXi5Sil

SW-846/EPA Method 8270C/625 / C10+C18

Initial Cal. Method EJ597 / EJ602C

Calibration Date: 9/1/09 / 9/5/09

Injection Volume: 1 uL

Solvent ID #: op090824A28

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J03032	1	dfopp	dfopp				✓	11:25 AM	SC
2	SC 9/15/09 J13033	2	cc597-50	8270JRONS				✓	8270	
3	34	3	ICC602-75					✓	C10+C18	
4	35	4	ICC602-50					✓		
5	36	5	ICC602-5					✓		
6	37	6	-10					✓		
7	38	7	-25					✓		
8	39	8	-100					✓		
9	40	9	-125					✓		
10	41	10	ICV602-50					✓		
11	42	11	op12928-mb		W	12928	1	✓	625	
	43	12	T36823-1				1	✓	comp to A	
	44	13	OP12931-MB		S	12931	1	✓		
	45	14	op12928-MS		W	12928	1	✓		
	46	15	-MSD				1	✓		
	47	16	op12932-mb		TCLP	12932	1	✓		
	48	17	-bs				1	✓		
	49	18	T36825-1				1	✓		
	50	19	op12932-MS				1	✓		
	51	20	op12932-MSD				1	✓		
	52	21	T36833-1				1	✓		
	53	22	T36897-1				1	✓	T36897-1	
	54	23	T37007-5A		W	12928	1	✓	Rotoconform	
	55	24	-4A				1	✓		
	56	25	-4A 10X				10	✓	DNR	
	57	26	-5A				1	✓		

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ615

Date: 9/23/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS784-4B
3	↓ -5A
4	MS784-2A
5	-8A
6	-3A
7	↓ -6

Standard Data

Ref #	Description
8	MS784-7
9	MS784-4C
10	↓ -5B
11	MS786

Columns: RXi5Sil

SW-846/EPA Method 8270C/625

Initial Cal. Method EJ615 ms

Calibration Date: 9/23/09

Injection Volume: 1 µl

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13332	1	dfopp	dfopp				✓		SC
2	33	2	CC614-50	8270JRONS						
3	34	3	↓ -75							
4	35	4	IC615-5					✓		
5	36	5	-10					✓		
6	37	6	-25					✓		
7	38	7	-100					✓		
8	39	8	↓ -125					✓		
9	40	9	ICC615-50					✓		
10	41	10	IC615-75					✓		
11	42	11	ICV615-50	↓				✓		↓
									SC 9/23/2009	

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ629

Date: 10/08/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS784-4C
3	MS833-5
4	4
5	6
6	12
7	3

Standard Data

Ref #	Description
8	MS833-7
9	MS834
10	IS-MS835

Columns: RXI5SIL

SW-846/EPA Method 8270C/625 / Bzthiol+Resorc

Initial Cal. Method EJ615 MS / EJ629 BZN+R

Calibration Date: 9/23/2009 / 9/8/2009

Injection Volume: 1 µl

Solvent ID #: NA

Solvent: NA

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor:

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13687	1	dfopp	dfopp				✓		SC
2	88	2	cc615-50	8270JROMS				/		
3	89	3	icc625-50 (Bzthiol+Reso)					/		
4	90	4	ic625-40					/		
5	91	5	-75					/		
6	92	6	-5					/		
7	93	7	-25					/		
8	94	8	-100					/		
9	95	9	icv625-50					/		
10	96	10	op13205-wb		W	13205	1	/		
	97	11	-bs				1	/	Bzthiol Spike	
	98	12	-bsd				1	/		
	99	13	wb				1	/	Sim soil Test	
	700	14	op13205-bs				1	/	~~Bzthi~~ SC 10/8/09 8270 Spike	
	701	15	-bsd				1	/		

SC 10/08/09

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ630

Date: 10/08/2009(a)

Analyst Signature: Sheila Chang

Standard Data

Ref #	Description
1	MS799
2	MS784-4C
3	MS833-5
4	IS-MS835

Standard Data

Ref #	Description

Columns: RX1 5&6

SW-846/EPA Method 8270C/625/Bathut+Resorcinol

Initial Cal. Method EJ615MS/EJ629BENTROS

Calibration Date: 9/23/2009 / 10/08/2009

Injection Volume: 1 µl

Solvent ID #: OP090918A17

Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13702	1	dfopp	dfopp				✓	6:30pm	
2	703	2	CC615-50	8270JRONS				✓		
3	704	3	CC629-50 (Bat+Res)		W	13205	1	✓		
4	705	4	OP13205-MB					✓		
	6	5	T39169-1					✓	need TIC for Resorcinol	
	7	6	-2					✓	copy to A for Bathut *	
	8	7	-3					✓		
	9	8	-4					✓		
	710	9	-5					✓		
	11	10	-6					✓		
	12	11	T39314-2					✓		
	13	12	OP13205-MS					✓	T39314-2MS	
	14	13	-MSD					✓		
	15	14	T39314-1					✓		
	16	15	-3					✓		
	17	16	-4					✓		
	18	17	-6					✓		
	19	18	T39817-1					✓		
	20	19	-2					✓		
	21	20	-5					✓		
	22	21	T39314-5, 40X				40	✓	Naphth 10.81, lit, need	
	23	22	T39817-3, 40X				40	✓	lit	
	J13724	23	-4, 40X				40	✓	5:27 AM Cresol ↑ 2R X10, X100	

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

ACCUTEST

GC/MS SEMIVOLATILE ANALYSIS LOG

Batch ID: EJ631

Date: 10/09/2009

Analyst Signature: Sheila Cheng

Standard Data

Ref #	Description
1	MS799
2	MS884-4C
3	MS833-5
4	MS837-4
5	MS802-4
6	IS-MS815

Standard Data

Ref #	Description

Columns: RXI5ms
SW-846/EPA Method 8270C/625-/Benzthiol+Resorc.
Initial Cal. Method EJ615MC / EJ629BENZ+RES
Calibration Date: 9/22/09 / 10/08/09
Injection Volume: 1 ul

Solvent ID #: OP090918A17
Solvent: DCM

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP TGC012.

Signature of Supervisor: _____

Ref #	Data File	ALS#	Sample ID	Method	MTX	OP Batch	Dilution	Run OK	Comments	Initials
1	J13725	1	dfcpp	dfcpp				✓	9:13 Am	SC
2	26	2	cc615-50	8270JRONS				✓		
3	27	3	cc629-50 (Bz+Res)						Benzenthiol+Resorcinol	
4	28	4	cc602-50						C10+C18	
5	29	5	cc548-50						Sec Acetophenone	
6	30	6	mb						Dim. Test	
	31	7	OP13214-mb		W	13214	1	✓		
	32	8	-bs				1	✓	Copy to A, B for C10+C18, + Acetophenone	
	33	9	-bsd				1	✓		
	34	10	T39314-3		W	13205	1	✓		
	35	11	T39417-2		W	13214	1	✓		
	36	12	OP13214-ms				1	✓		
	37	13	-msd				1	✓		
	38	14	T39197-1		W	13162	1	✓	Copy to A, B	
	39	15	T39293-1		W	13214	1	✓	Copy to A, B	
	40	16	T39303-1				1	✓		
	41	17	T39514-2					✓		
	42	18	T39512-1, 10X				10	✓		
	43	19	T39187-4, X160		W	13205	160	✓	for phenol, cresols	
	44	20	T39187-3, 10X				10	✓	phenol ↑ IS SH OK, ~~OVR~~ ~~Heat for cresols~~	
	45	21	T39314-5, 10X				10	✓	2,4-dimethylph, naph ↑ IS/SU OK, OVR	
	46	22	T39314-5				1	✓	phenol, cresol, 2,4-dimethyl, naph ↑	
	47	23	T39187-3				1	✓	IS/SU cresols 2,4-dim. Naph. pyrene	
	48	24	T39187-4, 10X				10	✓	phenol ↑	
	49	25	mb (wash)				—		8:56 pm, phenol	
	50	26	T39512-1		W	13214	1	✓	625 IS	

MTX = Matrix Designate W for water, S for soil, O for oil.

Form: MS014

BNA LIQUID SAMPLE PREP REPORT

Date: 10/7/09 Method: EPA 3510C Batch#: OP13205 / OP13269 / B8270SLS/m 10/19/09 SC

Analyst: [illegible]

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
MB		1000		<2>12	1.0	—	1.0	
BS		↓				0.5		8270
T39169-1	4	↓				—		
2	1	980						
3	1	970						
4	2	985						
5	1	1000						
6	1	↓						
T39187-1	2	1000						
2	2							
3	1							
4	2							
5	1	↓						
T39314-1	2	1000						
2	↓	↓						
3	1							
4	2							
5	1							
6	1	↓				↓		
BS		1000				0.5		Resocinol + Bethiol
BSD		↓				0.5		
BSD		↓				0.5		8270
MS	4	500		<2>12	1.0	0.5		T39314-2 (8270)
MSD	↓	↓		↓	↓	↓		
T39305-1	2	1000		<2>12	1.0	—	1.0	

Surrogate ID: E22100 Conc: 100/50 ppm Exp. Date: 3/18/10 Bath Temp #1.: 42 °C

Spike ID: MS0908 27A2 MS5832 Conc: 100 ppm 100 ppm Exp. Date: 2/2010 4/8/2010 Bath Temp.#2:

Bath Temp.#3:

Methylene Chloride ID #: OP090918A28 Dried Sodium Sulfate ID#: 23-OP-30-3

1:1 Sulfuric Acid ID # 23-OP-31-12 10 N Sodium Hydroxide # OP090901A

Comments:

Relinquished By: Amy Low Date: 10/08/09

Accepted By: Sheila Cheng Date: 10/8/2009

P.72

Form: OP006, Rev. 02/06/06, QAO

8.8.1

8

BNA LIQUID SAMPLE PREP REPORT

Date: 10/7/09 Method: EPA 3510C Batch#: OP13205 / OP13269 / 8270SLS/m

Analyst: [illegible] 10/7/09 SC

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
MB		1000		<2>12	1.0	—	1.0	
BS		↓				0.5		8270
T39169-1	4	↓				—		
2	1	980						
3	1	970						
4	2	985						
5	1	1000						
6	1	↓						
T39187-1	2	1000						
2	2							
3	1							
4	2							
5	1	↓						
T39314-1	2	1000						
2	↓	↓						
3	1							
4	2							
5	1							
6	1	↓				↓		
BS		1000				0.5		Resorcinol + Bzthiol
BSD		↓		↓	↓	0.5		↓
BSD		↓				0.5		8270
MS	4	500		<2>12	1.0	0.5		T39314-2 (8270)
MSD	↓	↓		↓	↓	↓	↓	↓
T39305-1	2	1000		<2>12	1.0	—	1.0	

Surrogate ID: E22100 Conc: 100/50 ppm Exp. Date: 3/18/10 Bath Temp #1.: 42 °C

Spike ID: MS0908 27A2 MS5832 Conc: 100 ppm 100 ppm Exp. Date: 2/2010 4/8/2010 Bath Temp.#2:

Bath Temp.#3:

Methylene Chloride ID #: OP090918A28 Dried Sodium Sulfate ID#: 23-OP-30-3

1:1 Sulfuric Acid ID # 23-OP-31-12 10 N Sodium Hydroxide # OP090901A

Comments:

Relinquished By: Amy Low Date: 10/08/09

Accepted By: Sheila Cheng Date: 10/8/2009

P.72

Form: OP006, Rev. 02/06/06, QAO

8.8.2

8

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:44	MA4336-STD1	1		STDA
11:50	MA4336-STD2	1		STDC
11:56	MA4336-STD3	1		STDE
12:01	MA4336-STD4	1		STDB
12:07	MA4336-STD5	1		STDD
12:35	MA4336-HSTD1	1		
12:41	MA4336-ICV1	1		
12:58	MA4336-ICB1	1		
13:05	MA4336-CRI1	1		
13:11	MA4336-CRI2	1		
13:18	MA4336-ICSA1	1		
13:24	MA4336-ICSAB1	1		
13:32	MA4336-CCV1	1		
13:51	MA4336-CCB1	1		
13:57	T39188-1C	10		(sample used for QC only; not part of login T39187)
14:03	MP10435-D1	10		
14:10	ZZZZZZ	25		
14:16	ZZZZZZ	10		
14:22	ZZZZZZ	10		
14:30	MA4336-CCV2	1		
14:40	MA4336-CCB2	1		
14:54	ZZZZZZ	5		
15:00	ZZZZZZ	5		
15:06	ZZZZZZ	5		
15:13	ZZZZZZ	5		
15:19	ZZZZZZ	5		
15:34	ZZZZZZ	5		
15:40	ZZZZZZ	5		
15:47	ZZZZZZ	5		
15:53	ZZZZZZ	5		
15:59	ZZZZZZ	5		
16:08	MA4336-CCV3	1		
16:17	MA4336-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	ZZZZZZ	5		
16:31	ZZZZZZ	5		
16:38	ZZZZZZ	5		
16:47	ZZZZZZ	1		
16:55	MA4336-CCV4	1		
17:06	MA4336-CCB4	1		
17:43	MP10434-MB1	1		
17:49	MP10434-B1	1		
17:56	T39417-2	1		(sample used for QC only; not part of login T39187)
18:02	MP10434-D1	1		
18:09	MP10434-SD1	5		
18:15	MP10434-S1	1		
18:22	MP10434-S2	1		
18:28	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:49	MA4336-CCV5	1		
19:01	MA4336-CCB5	1		
19:07	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:54	MA4336-CCV6	1		
20:06	MA4336-CCB6	1		
20:13	MP10399-MB1	1		
20:19	MP10399-B1	1		
20:25	T38367-1	1		(sample used for QC only; not part of login T39187)
20:32	MP10399-D1	1		
20:38	MP10399-SD1	5		
20:45	MP10399-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:51	MP10399-S2	1		
20:58	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:19	MA4336-CCV7	1		
21:31	MA4336-CCB7	1		
21:37	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:50	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:09	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:35	ZZZZZZ	1		
22:43	MA4336-CCV8	1		
22:55	MA4336-CCB8	1		
23:02	ZZZZZZ	1		
23:08	T39187-1	1		
---------->	Last reportable sample/prep for job T39187			
23:36	MA4336-CCV9	1		
23:47	MA4336-CCB9	1		
23:54	MP10433-MB1	1		
00:00	MP10433-B1	1		
00:07	T39315-1	1		(sample used for QC only; not part of login T39187)
00:13	MP10433-D1	1		
00:20	MP10433-SD1	5		
00:26	MP10433-S1	1		
00:33	MP10433-S2	1		
00:39	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:52	ZZZZZZ	1		
01:00	MA4336-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:10	MA4336-CCB10	1		
01:17	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:32	MA4336-CCV11	1		
01:41	MA4336-CCB11	1		
01:48	MP10439-MB1	1		
01:54	MP10439-B1	1		
02:01	MP10439-B2	1		
02:07	ZZZZZZ	1		
02:14	ZZZZZZ	1		
02:22	MA4336-CCV12	1		
02:32	MA4336-CCB12	1		
02:39	ZZZZZZ	1		
02:45	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:58	ZZZZZZ	1		
03:04	ZZZZZZ	1		
03:11	ZZZZZZ	1		
03:17	ZZZZZZ	1		
03:30	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:45	MA4336-CCV13	1		
03:55	MA4336-CCB13	1		
04:02	ZZZZZZ	1		
04:08	ZZZZZZ	1		
04:14	ZZZZZZ	1		
04:21	ZZZZZZ	1		
04:27	ZZZZZZ	1		
04:34	ZZZZZZ	1		
04:42	MA4336-CCV14	1		
04:52	MA4336-CCB14	1		
04:59	MP10458-MB1	1		
05:05	T38367-1	5		(sample used for QC only; not part of login T39187)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:12	MP10458-D1	5		
05:20	MA4336-CCV15	1		
05:30	MA4336-CCB15	1		
05:36	ZZZZZZ	1		
05:43	ZZZZZZ	1		
05:49	ZZZZZZ	1		
05:56	ZZZZZZ	1		
06:02	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:15	ZZZZZZ	1		
06:22	ZZZZZZ	1		
06:28	ZZZZZZ	1		
06:35	ZZZZZZ	1		
06:43	MA4336-CCV16	1		
06:53	MA4336-CCB16	1		
06:59	ZZZZZZ	1		
07:06	ZZZZZZ	1		
07:12	ZZZZZZ	1		
07:19	ZZZZZZ	1		
07:25	ZZZZZZ	1		
07:32	ZZZZZZ	1		
07:38	ZZZZZZ	1		
07:45	ZZZZZZ	1		
07:53	MA4336-CCV17	1		
08:03	MA4336-CCB17	1		
08:26	MA4336-CRI3	1		
08:34	MA4336-CRI4	1		
08:40	MA4336-ICSA2	1		
08:47	MA4336-ICSAB2	1		
08:55	MA4336-CCV18	1		
09:05	MA4336-CCB18	1		

----------> Last reportable CCB for job T39187
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Istd#1
11:44	MA4336-STD1	42544 R
11:50	MA4336-STD2	42555
11:56	MA4336-STD3	41491
12:01	MA4336-STD4	42491
12:07	MA4336-STD5	42659
12:35	MA4336-HSTD1	41501
12:41	MA4336-ICV1	42568
12:58	MA4336-ICB1	42829
13:05	MA4336-CRI1	42638
13:11	MA4336-CRI2	42728
13:18	MA4336-ICSA1	39493
13:24	MA4336-ICSAB1	39570
13:32	MA4336-CCV1	42382
13:51	MA4336-CCB1	42899
13:57	T39188-1C	42000
14:03	MP10435-D1	42143
14:10	ZZZZZZ	42214
14:16	ZZZZZZ	42300
14:22	ZZZZZZ	42153
14:30	MA4336-CCV2	42406
14:40	MA4336-CCB2	42679
14:54	ZZZZZZ	42954
15:00	ZZZZZZ	42791
15:06	ZZZZZZ	42852
15:13	ZZZZZZ	42764
15:19	ZZZZZZ	42799
15:34	ZZZZZZ	42925
15:40	ZZZZZZ	41764
15:47	ZZZZZZ	42837
15:53	ZZZZZZ	42794
15:59	ZZZZZZ	42671
16:08	MA4336-CCV3	42612
16:17	MA4336-CCB3	43140

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Istd#1
16:25	ZZZZZZ	42726
16:31	ZZZZZZ	42727
16:38	ZZZZZZ	42803
16:47	ZZZZZZ	44344
16:55	MA4336-CCV4	42598
17:06	MA4336-CCB4	43246
17:43	MP10434-MB1	42985
17:49	MP10434-B1	42514
17:56	T39417-2	34350
18:02	MP10434-D1	35273
18:09	MP10434-SD1	40269
18:15	MP10434-S1	34932
18:22	MP10434-S2	35313
18:28	ZZZZZZ	41718
18:35	ZZZZZZ	42330
18:41	ZZZZZZ	42274
18:49	MA4336-CCV5	42503
19:01	MA4336-CCB5	42864
19:07	ZZZZZZ	42241
19:14	ZZZZZZ	43137
19:20	ZZZZZZ	42956
19:27	ZZZZZZ	43052
19:33	ZZZZZZ	43051
19:40	ZZZZZZ	43216
19:46	ZZZZZZ	42959
19:54	MA4336-CCV6	42723
20:06	MA4336-CCB6	43464
20:13	MP10399-MB1	43261
20:19	MP10399-B1	42627
20:25	T38367-1	43425
20:32	MP10399-D1	43339
20:38	MP10399-SD1	43378
20:45	MP10399-S1	42854

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Istd#1
20:51	MP10399-S2	42897
20:58	ZZZZZZ	43390
21:04	ZZZZZZ	43168
21:11	ZZZZZZ	43094
21:19	MA4336-CCV7	42708
21:31	MA4336-CCB7	43167
21:37	ZZZZZZ	42999
21:44	ZZZZZZ	42770
21:50	ZZZZZZ	40712
21:56	ZZZZZZ	40312
22:03	ZZZZZZ	39332
22:09	ZZZZZZ	39733
22:16	ZZZZZZ	43242
22:22	ZZZZZZ	42304
22:29	ZZZZZZ	42091
22:35	ZZZZZZ	40376
22:43	MA4336-CCV8	43072
22:55	MA4336-CCB8	43367
23:02	ZZZZZZ	43532
23:08	T39187-1	41689
23:36	MA4336-CCV9	43223
23:47	MA4336-CCB9	43604
23:54	MP10433-MB1	41175
00:00	MP10433-B1	41303
00:07	T39315-1	40752
00:13	MP10433-D1	40913
00:20	MP10433-SD1	43132
00:26	MP10433-S1	41254
00:33	MP10433-S2	41100
00:39	ZZZZZZ	40714
00:46	ZZZZZZ	40433
00:52	ZZZZZZ	40954
01:00	MA4336-CCV10	43771

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Istd#1
01:10	MA4336-CCB10	43762
01:17	ZZZZZZ	41457
01:23	ZZZZZZ	41270
01:32	MA4336-CCV11	43215
01:41	MA4336-CCB11	43554
01:48	MP10439-MB1	41113
01:54	MP10439-B1	41228
02:01	MP10439-B2	41344
02:07	ZZZZZZ	40585
02:14	ZZZZZZ	41394
02:22	MA4336-CCV12	43121
02:32	MA4336-CCB12	42900
02:39	ZZZZZZ	49224
02:45	ZZZZZZ	47703
02:51	ZZZZZZ	51353
02:58	ZZZZZZ	47945
03:04	ZZZZZZ	48175
03:11	ZZZZZZ	48310
03:17	ZZZZZZ	48290
03:30	ZZZZZZ	51905
03:37	ZZZZZZ	50621
03:45	MA4336-CCV13	43635
03:55	MA4336-CCB13	44051
04:02	ZZZZZZ	49941
04:08	ZZZZZZ	48374
04:14	ZZZZZZ	49208
04:21	ZZZZZZ	49373
04:27	ZZZZZZ	50374
04:34	ZZZZZZ	50063
04:42	MA4336-CCV14	43212
04:52	MA4336-CCB14	44173
04:59	MP10458-MB1	43925
05:05	T38367-1	43295

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4336
Parameters: Na

Time	Sample Description	Istd#1
05:12	MP10458-D1	42939
05:20	MA4336-CCV15	43091
05:30	MA4336-CCB15	43721
05:36	ZZZZZZ	40866
05:43	ZZZZZZ	40728
05:49	ZZZZZZ	38686
05:56	ZZZZZZ	40690
06:02	ZZZZZZ	40243
06:09	ZZZZZZ	45246
06:15	ZZZZZZ	39351
06:22	ZZZZZZ	46158
06:28	ZZZZZZ	45752
06:35	ZZZZZZ	46065
06:43	MA4336-CCV16	43300
06:53	MA4336-CCB16	43962
06:59	ZZZZZZ	47546
07:06	ZZZZZZ	49067
07:12	ZZZZZZ	49113
07:19	ZZZZZZ	46782
07:25	ZZZZZZ	45209
07:32	ZZZZZZ	42502
07:38	ZZZZZZ	42818
07:45	ZZZZZZ	41443
07:53	MA4336-CCV17	43198
08:03	MA4336-CCB17	44143
08:26	MA4336-CRI3	43774
08:34	MA4336-CRI4	43598
08:40	MA4336-ICSA2	39988
08:47	MA4336-ICSAB2	40152
08:55	MA4336-CCV18	43041
09:05	MA4336-CCB18	43819

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4336 Units: ug/l

Time:			12:58		13:51		14:40		16:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16								
Antimony	5.0	2.3								
Arsenic	5.0	1.8								
Barium	200	.14								
Beryllium	5.0	.11								
Boron	100	1.1								
Cadmium	4.0	.25								
Calcium	5000	5.4								
Chromium	10	1.1								
Cobalt	50	.5								
Copper	25	.58								
Iron	100	13								
Lead	3.0	1.6								
Magnesium	5000	6.7								
Manganese	15	.2								
Molybdenum	10	.96								
Nickel	40	.95								
Potassium	5000	53								
Selenium	5.0	3.2								
Silver	10	.85								
Sodium	5000	130	11.6	<5000	31.9	<5000	22.2	<5000	-24	<5000
Strontium	10	.17								
Thallium	10	3.2								
Tin	20	1.8								
Titanium	10	.3								
Vanadium	50	.6								
Zinc	20	.49								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4336 Units: ug/l

Time:			17:06		19:01		20:06		21:31	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16								
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6								
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	106	<5000	156	<5000	67.8	<5000	84.4	<5000
Strontium	10	.17								
Thallium	10	3.2								
Tin	20	1.8								
Titanium	10	.3								
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4336 Units: ug/l

Time:			22:55		23:47		01:10		01:41	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96	anr							
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	41.5	<5000	29.1	<5000	50.7	<5000	9.8	<5000
Strontium	10	.17								
Thallium	10	3.2	anr							
Tin	20	1.8								
Titanium	10	.3								
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4336 Units: ug/l

Time:			02:32		03:55		04:52		05:30	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96	anr							
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	15.7	<5000	75.3	<5000	60.6	<5000	79.0	<5000
Strontium	10	.17								
Thallium	10	3.2	anr							
Tin	20	1.8								
Titanium	10	.3								
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4336 Units: ug/l

Time:			06:53		08:03		09:05	
Sample ID:			CCB16		CCB17		CCB18	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	16	anr					
Antimony	5.0	2.3	anr					
Arsenic	5.0	1.8	anr					
Barium	200	.14	anr					
Beryllium	5.0	.11	anr					
Boron	100	1.1						
Cadmium	4.0	.25	anr					
Calcium	5000	5.4	anr					
Chromium	10	1.1	anr					
Cobalt	50	.5	anr					
Copper	25	.58	anr					
Iron	100	13	anr					
Lead	3.0	1.6	anr					
Magnesium	5000	6.7	anr					
Manganese	15	.2	anr					
Molybdenum	10	.96	anr					
Nickel	40	.95	anr					
Potassium	5000	53	anr					
Selenium	5.0	3.2	anr					
Silver	10	.85	anr					
Sodium	5000	130	32.6	<5000	43.3	<5000	32.0	<5000
Strontium	10	.17						
Thallium	10	3.2	anr					
Tin	20	1.8						
Titanium	10	.3						
Vanadium	50	.6	anr					
Zinc	20	.49	anr					

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		12:41			13:32			14:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	5000	4610	92.2	40000	39500	98.8	40000	37200	93.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		16:08			16:55			18:49	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40500	101.3	40000	39800	99.5	40000	40100	100.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		19:54			21:19			22:43	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39700	99.3	40000	39800	99.5	40000	40500	101.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		23:36			01:00			01:32	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40800	102.0	40000	39700	99.3	40000	40100	100.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		02:22			03:45			04:42	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40100	100.3	40000	40100	100.3	40000	40500	101.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		05:20			06:43			07:53	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40300	100.8	40000	40700	101.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4336 Units: ug/l

Time:		08:55	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	39000	97.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4336 Units: ug/l

Time:		12:35	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium	80000	80300	100.4
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4336 Units: ug/l

Time:			13:05		13:11		08:26		08:34	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200								
Antimony	5.0	5.0								
Arsenic	5.0	5.0								
Barium	200	200								
Beryllium	5.0	5.0								
Boron	100	100								
Cadmium	4.0	4.0								
Calcium	5000	5000								
Chromium	10	10								
Cobalt	50	50								
Copper	25	25								
Iron	100	100								
Lead	3.0	3.0								
Magnesium	5000	5000								
Manganese	15	15								
Molybdenum	10	10								
Nickel	40	40								
Potassium	5000	5000								
Selenium	5.0	5.0								
Silver	10	10								
Sodium	5000	5000	5000	100.0			4970	99.4		
Strontium	20	20								
Thallium	10	10								
Tin	20	20								
Titanium	20	20								
Vanadium	50	50								
Zinc	20	20								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101409.ASC Date Analyzed: 10/14/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4336 Units: ug/l

Time:			13:18		13:24		08:40		08:47	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	503000HH	100.6	504000HH	100.8	491000	98.2	494000	98.8
Antimony		1000	1.5		1030	103.0	0.77		974	97.4
Arsenic		500	0.0		526	105.2	1.3		513	102.6
Barium		500	2.1		534	106.8	2.0		529	105.8
Beryllium		500	-0.34		499	99.8	-0.40		488	97.6
Boron			-71		-75		-67		-71	
Cadmium		1000	-2.5		950	95.0	-1.7		937	93.7
Calcium	500000	500000	506000	101.2	506000	101.2	491000	98.2	495000	99.0
Chromium		500	7.1		496	99.2	6.8		482	96.4
Cobalt		500	-0.99		492	98.4	-1.0		476	95.2
Copper		500	-4.2		535	107.0	-4.4		523	104.6
Iron	200000	200000	198000	99.0	200000	100.0	191000	95.5	194000	97.0
Lead		500	-0.57		492	98.4	-1.4		483	96.6
Magnesium	500000	500000	520000HH	104.0	520000HH	104.0	501000	100.2	506000	101.2
Manganese		500	-1.5		505	101.0	-4.2		489	97.8
Molybdenum		500	12.6		515	103.0	18.5		500	100.0
Nickel		1000	0.28		918	91.8	0.49		902	90.2
Potassium			700		707		646		671	
Selenium		500	-1.9		513	102.6	-4.7		499	99.8
Silver		1000	3.1		1080	108.0	3.1		1060	106.0
Sodium			173		197		150		129	
Strontium			0.42		0.38		0.45		0.41	
Thallium		500	1.0		476	95.2	-0.030		459	91.8
Tin			-6.2		-3.6		-4.7		-5.2	
Titanium			2.1		2.0		1.8		1.8	
Vanadium		500	0.98		499	99.8	1.3		489	97.8
Zinc		1000	-1.9		1050	105.0	-1.6		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:32	MA4338-STD1	1		STDA
09:38	MA4338-STD2	1		STDC
09:44	MA4338-STD3	1		STDE
09:49	MA4338-STD4	1		STDB
09:56	MA4338-STD5	1		STDD
10:48	MA4338-HSTD1	1		
11:14	MA4338-ICV1	1		
11:22	MA4338-ICB1	1		
11:28	MA4338-CRI1	1		
11:35	MA4338-CRI2	1		
11:42	MA4338-ICSA1	1		
11:48	MA4338-ICSAB1	1		
12:01	MA4338-CCV1	1		
12:14	MA4338-CCB1	1		
12:20	MP10460-MB1	1		
12:30	MP10460-B1	1		
12:36	T39528-1	1		(sample used for QC only; not part of login T39187)
12:42	MP10460-D1	1		
12:48	MP10460-SD1	5		
12:55	MP10460-S1	1		
13:01	MP10460-S2	1		
13:07	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:21	MA4338-CCV2	1		
13:31	MA4338-CCB2	1		
13:37	MP10431-MB1	1		
13:43	MP10431-B1	1		
13:50	T39293-1	1		(sample used for QC only; not part of login T39187)
13:56	MP10431-D1	1		
14:02	MP10431-SD1	5		
14:08	MP10431-S1	1		
14:15	MP10431-S2	1		
14:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:27	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:44	MA4338-CCV3	1		
14:57	MA4338-CCB3	1		
15:21	ZZZZZZ	5		
15:27	ZZZZZZ	5		
15:34	ZZZZZZ	5		
15:40	ZZZZZZ	5		
15:46	ZZZZZZ	5		
15:52	ZZZZZZ	10		
16:00	MA4338-CCV4	1		
16:12	MA4338-CCB4	1		
17:00	MA4338-CRI3	1		
17:07	MA4338-CRI4	1		
17:13	MA4338-ICSA2	1		
17:20	MA4338-ICSAB2	1		
17:28	MA4338-CCV5	1		
17:40	MA4338-CCB5	1		
17:47	MP10418-MB1	1		
17:53	MP10418-B1	1		
18:00	T39162-1	1		(sample used for QC only; not part of login T39187)
18:06	MP10418-D1	1		
18:13	MP10418-SD1	5		
18:19	MP10418-S1	1		
18:26	MP10418-S2	1		
18:32	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:45	ZZZZZZ	1		
18:53	MA4338-CCV6	1		
19:05	MA4338-CCB6	1		
19:11	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:24	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:31	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:50	ZZZZZZ	1		
19:57	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:18	MA4338-CCV7	1		
20:29	MA4338-CCB7	1		
20:36	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:15	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:34	ZZZZZZ	1		
21:42	MA4338-CCV8	1		
21:54	MA4338-CCB8	1		
22:00	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:26	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
23:00	MA4338-CCV9	1		
23:12	MA4338-CCB9	1		
23:18	MP10465-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:25	MP10465-B1	1		
23:31	T39408-1	1		(sample used for QC only; not part of login T39187)
23:38	MP10465-D1	1		
23:44	MP10465-SD1	5		
23:51	MP10465-S1	1		
23:57	MP10465-S2	1		
00:05	MA4338-CCV10	1		
00:15	MA4338-CCB10	1		
00:22	MP10425-MB	1		
00:28	MP10425-LCS	1		
00:35	T39188-1A	1		(sample used for QC only; not part of login T39187)
00:41	MP10425-D1	1		
00:48	MP10425-SD1	5		
00:54	MP10425-MS	1		
01:01	MP10425-MSD	1		
01:07	ZZZZZZ	1		
01:15	MA4338-CCV11	1		
01:25	MA4338-CCB11	1		
01:32	MP10426-MB	1		
01:38	MP10426-LCS	1		
01:45	T38357-1B	1		(sample used for QC only; not part of login T39187)
01:51	MP10426-D1	1		
01:58	MP10426-SD1	5		
02:04	MP10426-MS	1		
02:11	MP10426-MSD	1		
02:17	ZZZZZZ	1		
02:25	MA4338-CCV12	1		
02:35	MA4338-CCB12	1		
02:42	T39187-2	5		
02:48	T39187-3	5		
02:55	T39187-4	25		
---------->	Last reportable sample/prep for job T39187			
03:01	ZZZZZZ	5		
03:08	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:14	ZZZZZZ	5		
03:21	ZZZZZZ	5		
03:27	ZZZZZZ	5		
03:34	ZZZZZZ	5		
03:40	ZZZZZZ	5		
03:48	MA4338-CCV13	1		
03:58	MA4338-CCB13	1		
04:05	ZZZZZZ	5		
04:11	ZZZZZZ	5		
04:19	MA4338-CCV14	1		
04:29	MA4338-CCB14	1		
04:36	MP10430-MB1	1		
04:42	MP10430-LC1	1		
04:49	T39177-1	1		(sample used for QC only; not part of login T39187)
04:55	MP10430-D1	1		
05:02	MP10430-SD1	5		
05:08	MP10430-S1	1		
05:15	MP10430-S2	1		
05:21	ZZZZZZ	1		
05:28	ZZZZZZ	1		
05:34	ZZZZZZ	1		
05:42	MA4338-CCV15	1		
05:52	MA4338-CCB15	1		
05:59	ZZZZZZ	1		
06:05	ZZZZZZ	1		
06:12	ZZZZZZ	1		
06:18	ZZZZZZ	1		
06:25	ZZZZZZ	1		
06:31	ZZZZZZ	1		
06:38	ZZZZZZ	1		
06:44	ZZZZZZ	1		
06:51	ZZZZZZ	1		
06:59	MA4338-CCV16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:11	MA4338-CCB16	1		
07:17	MP10470-MB1	1		
07:24	MP10470-B1	1		
07:30	T39394-13	1		(sample used for QC only; not part of login T39187)
07:37	MP10470-D1	1		
07:43	MP10470-SD1	5		
07:49	MP10470-S1	1		
07:56	MP10470-S2	1		
08:02	ZZZZZZ	1		
08:09	ZZZZZZ	1		
08:15	ZZZZZZ	1		
08:24	MA4338-CCV17	1		
08:34	MA4338-CCB17	1		
08:40	ZZZZZZ	1		
08:47	ZZZZZZ	1		
08:53	ZZZZZZ	1		
09:01	MA4338-CCV18	1		
09:11	MA4338-CCB18	1		
09:21	MA4338-CRI5	1		
09:28	MA4338-CRI6	1		
09:34	MA4338-ICSA3	1		
09:41	MA4338-ICSAB3	1		
10:10	MA4338-CCV19	1		
10:22	MA4338-CCB19	1		

----------> Last reportable CCB for job T39187
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
09:32	MA4338-STD1	43402 R
09:38	MA4338-STD2	43305
09:44	MA4338-STD3	42363
09:49	MA4338-STD4	43331
09:56	MA4338-STD5	43413
10:48	MA4338-HSTD1	42446
11:14	MA4338-ICV1	43612
11:22	MA4338-ICB1	44192
11:28	MA4338-CRI1	43640
11:35	MA4338-CRI2	43891
11:42	MA4338-ICSA1	40614
11:48	MA4338-ICSAB1	40423
12:01	MA4338-CCV1	43308
12:14	MA4338-CCB1	44154
12:20	MP10460-MB1	44118
12:30	MP10460-B1	43560
12:36	T39528-1	44039
12:42	MP10460-D1	43925
12:48	MP10460-SD1	44161
12:55	MP10460-S1	43215
13:01	MP10460-S2	43273
13:07	ZZZZZZ	43275
13:14	ZZZZZZ	43629
13:21	MA4338-CCV2	43378
13:31	MA4338-CCB2	43688
13:37	MP10431-MB1	44009
13:43	MP10431-B1	43266
13:50	T39293-1	42905
13:56	MP10431-D1	43101
14:02	MP10431-SD1	43925
14:08	MP10431-S1	42197
14:15	MP10431-S2	42324
14:21	ZZZZZZ	43582

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
14:27	ZZZZZZ	28933
14:36	ZZZZZZ	35724
14:44	MA4338-CCV3	43418
14:57	MA4338-CCB3	43785
15:21	ZZZZZZ	46987
15:27	ZZZZZZ	44111
15:34	ZZZZZZ	43759
15:40	ZZZZZZ	42284
15:46	ZZZZZZ	44017
15:52	ZZZZZZ	40253
16:00	MA4338-CCV4	43357
16:12	MA4338-CCB4	43485
17:00	MA4338-CRI3	43722
17:07	MA4338-CRI4	43590
17:13	MA4338-ICSA2	40593
17:20	MA4338-ICSAB2	40681
17:28	MA4338-CCV5	43594
17:40	MA4338-CCB5	44281
17:47	MP10418-MB1	43915
17:53	MP10418-B1	43216
18:00	T39162-1	43308
18:06	MP10418-D1	43496
18:13	MP10418-SD1	43828
18:19	MP10418-S1	42645
18:26	MP10418-S2	42945
18:32	ZZZZZZ	43385
18:39	ZZZZZZ	43603
18:45	ZZZZZZ	43529
18:53	MA4338-CCV6	43165
19:05	MA4338-CCB6	43600
19:11	ZZZZZZ	43713
19:18	ZZZZZZ	43411
19:24	ZZZZZZ	43516

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
19:31	ZZZZZZ	43621
19:37	ZZZZZZ	43521
19:44	ZZZZZZ	43282
19:50	ZZZZZZ	43648
19:57	ZZZZZZ	43823
20:03	ZZZZZZ	42931
20:10	ZZZZZZ	43690
20:18	MA4338-CCV7	43138
20:29	MA4338-CCB7	43651
20:36	ZZZZZZ	43531
20:42	ZZZZZZ	43416
20:49	ZZZZZZ	43562
20:55	ZZZZZZ	43461
21:02	ZZZZZZ	43621
21:08	ZZZZZZ	43958
21:15	ZZZZZZ	43764
21:21	ZZZZZZ	43524
21:28	ZZZZZZ	43605
21:34	ZZZZZZ	43725
21:42	MA4338-CCV8	43255
21:54	MA4338-CCB8	44098
22:00	ZZZZZZ	43886
22:07	ZZZZZZ	43369
22:13	ZZZZZZ	42962
22:20	ZZZZZZ	43782
22:26	ZZZZZZ	43224
22:33	ZZZZZZ	43950
22:39	ZZZZZZ	43845
22:46	ZZZZZZ	42835
22:52	ZZZZZZ	41778
23:00	MA4338-CCV9	43396
23:12	MA4338-CCB9	44240
23:18	MP10465-MB1	44246

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
23:25	MP10465-B1	44429
23:31	T39408-1	42113
23:38	MP10465-D1	41861
23:44	MP10465-SD1	43700
23:51	MP10465-S1	41915
23:57	MP10465-S2	42144
00:05	MA4338-CCV10	43925
00:15	MA4338-CCB10	44242
00:22	MP10425-MB	42404
00:28	MP10425-LCS	41465
00:35	T39188-1A	41390
00:41	MP10425-D1	41417
00:48	MP10425-SD1	43387
00:54	MP10425-MS	40393
01:01	MP10425-MSD	39754
01:07	ZZZZZZ	41620
01:15	MA4338-CCV11	43860
01:25	MA4338-CCB11	44545
01:32	MP10426-MB	43404
01:38	MP10426-LCS	42928
01:45	T38357-1B	46384
01:51	MP10426-D1	46552
01:58	MP10426-SD1	46012
02:04	MP10426-MS	45568
02:11	MP10426-MSD	46205
02:17	ZZZZZZ	43439
02:25	MA4338-CCV12	44473
02:35	MA4338-CCB12	44914
02:42	T39187-2	44022
02:48	T39187-3	44279
02:55	T39187-4	44474
03:01	ZZZZZZ	43586
03:08	ZZZZZZ	43393

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
03:14	ZZZZZZ	43085
03:21	ZZZZZZ	43719
03:27	ZZZZZZ	43624
03:34	ZZZZZZ	44891
03:40	ZZZZZZ	42802
03:48	MA4338-CCV13	44243
03:58	MA4338-CCB13	44821
04:05	ZZZZZZ	46061
04:11	ZZZZZZ	46055
04:19	MA4338-CCV14	44275
04:29	MA4338-CCB14	44466
04:36	MP10430-MB1	44783
04:42	MP10430-LC1	48228
04:49	T39177-1	50013
04:55	MP10430-D1	50952
05:02	MP10430-SD1	46499
05:08	MP10430-S1	49235
05:15	MP10430-S2	49326
05:21	ZZZZZZ	48018
05:28	ZZZZZZ	48890
05:34	ZZZZZZ	49106
05:42	MA4338-CCV15	44346
05:52	MA4338-CCB15	45247
05:59	ZZZZZZ	49399
06:05	ZZZZZZ	51838
06:12	ZZZZZZ	51087
06:18	ZZZZZZ	49642
06:25	ZZZZZZ	46372
06:31	ZZZZZZ	49140
06:38	ZZZZZZ	49756
06:44	ZZZZZZ	47902
06:51	ZZZZZZ	48152
06:59	MA4338-CCV16	44728

INTERNAL STANDARD SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
Analyst: NS Run ID: MA4338
Parameters: Na

Time	Sample Description	Istd#1
07:11	MA4338-CCB16	45042
07:17	MP10470-MB1	45204
07:24	MP10470-B1	44159
07:30	T39394-13	45174
07:37	MP10470-D1	44852
07:43	MP10470-SD1	44661
07:49	MP10470-S1	44502
07:56	MP10470-S2	44203
08:02	ZZZZZZ	44264
08:09	ZZZZZZ	43779
08:15	ZZZZZZ	43728
08:24	MA4338-CCV17	44381
08:34	MA4338-CCB17	45430
08:40	ZZZZZZ	45042
08:47	ZZZZZZ	44072
08:53	ZZZZZZ	45096
09:01	MA4338-CCV18	44737
09:11	MA4338-CCB18	45333
09:21	MA4338-CRI5	44863
09:28	MA4338-CRI6	45112
09:34	MA4338-ICSA3	41627
09:41	MA4338-ICSAB3	41393
10:10	MA4338-CCV19	44431
10:22	MA4338-CCB19	44872

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4338 Units: ug/l

Time:			11:22		12:14		13:31		14:57	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-50	<5000	44.9	<5000	-86	<5000	63.0	<5000
Strontium	10	.17	anr							
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4338 Units: ug/l

Time:			16:12		17:40		19:05		20:29	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1								
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-20	<5000	-79	<5000	-38	<5000	-15	<5000
Strontium	10	.17	anr							
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4338 Units: ug/l

Time:			21:54		23:12		00:15		01:25	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1	anr							
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-91	<5000	-57	<5000	-56	<5000	-100	<5000
Strontium	10	.17	anr							
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4338 Units: ug/l

Time:			02:35		03:58		04:29		05:52	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1	anr							
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-16	<5000	2.5	<5000	-90	<5000	-65	<5000
Strontium	10	.17	anr							
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA4338 Units: ug/l

Time:			07:11		08:34		09:11		10:22	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	5.0	2.3	anr							
Arsenic	5.0	1.8	anr							
Barium	200	.14	anr							
Beryllium	5.0	.11	anr							
Boron	100	1.1	anr							
Cadmium	4.0	.25	anr							
Calcium	5000	5.4	anr							
Chromium	10	1.1	anr							
Cobalt	50	.5	anr							
Copper	25	.58	anr							
Iron	100	13	anr							
Lead	3.0	1.6	anr							
Magnesium	5000	6.7	anr							
Manganese	15	.2	anr							
Molybdenum	10	.96								
Nickel	40	.95	anr							
Potassium	5000	53	anr							
Selenium	5.0	3.2	anr							
Silver	10	.85	anr							
Sodium	5000	130	-73	<5000	-46	<5000	-77	<5000	-45	<5000
Strontium	10	.17	anr							
Thallium	10	3.2	anr							
Tin	20	1.8	anr							
Titanium	10	.3	anr							
Vanadium	50	.6	anr							
Zinc	20	.49	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		11:14			12:01			13:21	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	5000	5070	101.4	40000	39300	98.3	40000	39700	99.3
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		14:44			16:00			17:28	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39400	98.5	40000	39400	98.5	40000	39000	97.5
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		18:53			20:18			21:42	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39300	98.3	40000	39100	97.8	40000	38800	97.0
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		23:00			00:05			01:15	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39200	98.0	40000	39400	98.5	40000	39500	98.8
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		02:25			03:48			04:19	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39300	98.3	40000	39000	97.5	40000	39200	98.0
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		05:42			06:59			08:24	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	38300	95.8	40000	34400	86.0*(a)	40000	38800	97.0
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for this element reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA4338 Units: ug/l

Time:		09:01			10:10	
Sample ID:	CCV	CCV18		CCV	CCV19	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	40000	38900	97.3	40000	37500	93.8
Strontium	anr					
Thallium	anr					
Tin	anr					
Titanium	anr					
Vanadium	anr					
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA4338 Units: ug/l

Time:		10:48	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	80800	101.0
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4338 Units: ug/l

Time:			11:28		11:35		17:00		17:07	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	200	anr							
Antimony	5.0	5.0	anr							
Arsenic	5.0	5.0	anr							
Barium	200	200	anr							
Beryllium	5.0	5.0	anr							
Boron	100	100								
Cadmium	4.0	4.0	anr							
Calcium	5000	5000	anr							
Chromium	10	10	anr							
Cobalt	50	50	anr							
Copper	25	25	anr							
Iron	100	100	anr							
Lead	3.0	3.0	anr							
Magnesium	5000	5000	anr							
Manganese	15	15	anr							
Molybdenum	10	10								
Nickel	40	40	anr							
Potassium	5000	5000	anr							
Selenium	5.0	5.0	anr							
Silver	10	10	anr							
Sodium	5000	5000	5040	100.8			5130	102.6		
Strontium	20	20	anr							
Thallium	10	10	anr							
Tin	20	20	anr							
Titanium	20	20	anr							
Vanadium	50	50	anr							
Zinc	20	20	anr							

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA4338 Units: ug/l

Time:			09:21		09:28	
Sample ID:	CRI	CRIA	CRI5		CRI6	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	200	200	anr			
Antimony	5.0	5.0	anr			
Arsenic	5.0	5.0	anr			
Barium	200	200	anr			
Beryllium	5.0	5.0	anr			
Boron	100	100	anr			
Cadmium	4.0	4.0	anr			
Calcium	5000	5000	anr			
Chromium	10	10	anr			
Cobalt	50	50	anr			
Copper	25	25	anr			
Iron	100	100	anr			
Lead	3.0	3.0	anr			
Magnesium	5000	5000	anr			
Manganese	15	15	anr			
Molybdenum	10	10				
Nickel	40	40	anr			
Potassium	5000	5000	anr			
Selenium	5.0	5.0	anr			
Silver	10	10	anr			
Sodium	5000	5000	4760	95.2		
Strontium	20	20	anr			
Thallium	10	10	anr			
Tin	20	20	anr			
Titanium	20	20	anr			
Vanadium	50	50	anr			
Zinc	20	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4338 Units: ug/l

Time:			11:42		11:48		17:13		17:20	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	504000	100.8	506000	101.2	499000	99.8	501000	100.2
Antimony		1000	4.0		1030	103.0	2.0		1010	101.0
Arsenic		500	1.7		525	105.0	-0.27		517	103.4
Barium		500	2.0		531	106.2	1.9		528	105.6
Beryllium		500	-0.24		498	99.6	-0.28		493	98.6
Boron			-67		-71		-66		-70	
Cadmium		1000	-2.0		947	94.7	-1.9		942	94.2
Calcium	500000	500000	521000	104.2	517000	103.4	511000	102.2	512000	102.4
Chromium		500	7.2		496	99.2	6.5		490	98.0
Cobalt		500	-1.1		492	98.4	-1.4		486	97.2
Copper		500	-4.5		535	107.0	-4.6		529	105.8
Iron	200000	200000	202000	101.0	203000	101.5	199000	99.5	201000	100.5
Lead		500	-1.3		490	98.0	0.0		487	97.4
Magnesium	500000	500000	525000	105.0	524000	104.8	516000	103.2	517000	103.4
Manganese		500	-0.26		506	101.2	-1.6		501	100.2
Molybdenum		500	15.3		520	104.0	17.9		515	103.0
Nickel		1000	0.65		916	91.6	-0.040		910	91.0
Potassium			760		755		723		729	
Selenium		500	-1.2		514	102.8	-2.2		514	102.8
Silver		1000	2.8		1060	106.0	2.5		1050	105.0
Sodium			128		70.7		72.8		114	
Strontium			0.22		0.19		0.22		0.19	
Thallium		500	3.0		472	94.4	2.6		470	94.0
Tin			-6.8		-8.5		-6.1		-6.2	
Titanium			2.2		2.1		2.2		2.3	
Vanadium		500	0.24		496	99.2	-0.45		491	98.2
Zinc		1000	-3.0		1050	105.0	-2.5		1050	105.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: IR101509.ASC Date Analyzed: 10/15/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA4338 Units: ug/l

Time:			09:34		09:41	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	485000	97.0	488000	97.6
Antimony		1000	3.2		994	99.4
Arsenic		500	-0.83		513	102.6
Barium		500	1.9		515	103.0
Beryllium		500	0.010		489	97.8
Boron			-66		-71	
Cadmium		1000	-1.2		925	92.5
Calcium	500000	500000	513000	102.6	510000	102.0
Chromium		500	6.9		484	96.8
Cobalt		500	-1.3		476	95.2
Copper		500	-4.5		519	103.8
Iron	200000	200000	198000	99.0	199000	99.5
Lead		500	-2.2		480	96.0
Magnesium	500000	500000	507000	101.4	507000	101.4
Manganese		500	-1.1		492	98.4
Molybdenum		500	11.7		505	101.0
Nickel		1000	0.53		885	88.5
Potassium			716		718	
Selenium		500	2.4		505	101.0
Silver		1000	2.7		1030	103.0
Sodium			29.0		-7.3	
Strontium			0.18		0.18	
Thallium		500	2.9		461	92.2
Tin			-4.7		-7.3	
Titanium			2.3		2.2	
Vanadium		500	0.13		483	96.6
Zinc		1000	-1.2		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10399
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/06/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	16	17		
Antimony	5.0	2.3	3		
Arsenic	5.0	1.8	2		
Barium	200	.14	2.7		
Beryllium	5.0	.11	.2		
Boron	100	1.1	2.1		
Cadmium	4.0	.25	.3		
Calcium	5000	5.4	35		
Chromium	10	1.1	1.9		
Cobalt	50	.5	.8		
Copper	25	.58	5.9		
Iron	100	13	13		
Lead	3.0	1.6	1.7		
Magnesium	5000	6.7	7.8		
Manganese	15	.2	7.6		
Molybdenum	10	.96	1.3		
Nickel	40	.95	3.2		
Potassium	5000	53	53		
Selenium	5.0	3.2	3.2		
Silver	10	.85	.8		
Sodium	5000	130	130	91.0	<5000
Strontium	20	.17	.4		
Thallium	10	3.2	2.6		
Tin	20	1.8	2.9		
Titanium	20	.3	.3		
Vanadium	50	.6	.6		
Zinc	20	.49	4.1		

Associated samples MP10399: T39187-1, T39187-2, T39187-3, T39187-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10399
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			10/06/09					10/06/09	
Metal	T38367-1 Original	DUP	RPD	QC Limits	T38367-1 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	2960	2980	0.7	0-20	2960	53900	50000	101.9	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP10399: T39187-1, T39187-2, T39187-3, T39187-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10399
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/06/09

Metal	T38367-1 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	2960	51100	50000	96.3	5.3	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP10399: T39187-1, T39187-2, T39187-3, T39187-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10399
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/06/09

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	50200	50000	100.4	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP10399: T39187-1, T39187-2, T39187-3, T39187-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

QC Batch ID: MP10399
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/06/09

Metal	T38367-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	2960	3640	22.9 (a)	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP10399: T39187-1, T39187-2, T39187-3, T39187-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis

Raw Data

Zoom In ▶
Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 1

Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/14/09 11:44 Filename: R101409
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	-.00108	.01791	-.0002	.00487	.00061	-.00811
SDev	.00049	.00008	.00053	.00076	.00002	.00002
%RSD	45.5546	.50127	264.072	15.7558	3.75811	.30985

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.00523	-.00108	-.00024	.00003	.01618	-.00036
SDev	.00002	.00047	.00012	.00017	.00062	.00015
%RSD	.49634	43.66	53.2545	542.94	3.84598	41.8604

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00432	.00067	.00107	.00061	-.00044	.01974
SDev	.00001	.00023	.00007	.00018	.00011	.00099
%RSD	.2482	35.2245	6.52977	30.7242	26.0763	5.03542

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00861	-.00082	.00225	.00448	-.00412	.00307
SDev	.00121	.00097	.00063	.00114	.00132	.00014
%RSD	14.0837	118.571	28.2764	25.5953	32.1644	4.57215

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	-.00217	.01165	-.00007	-.00447	-.00003	.00022
SDev	.00124	.00111	.00001	.00049	.00007	.00002
%RSD	57.1508	9.60237	17.0753	11.1055	183.487	12.1579

◀ Zoom In ▶
Zoom Out

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Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/14/09 11:50 Filename: R101409
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.62415	4.02965	3.41364
SDev	.00122	.17957	.05122
%RSD	.19671	4.45625	1.50049

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/14/09 11:56 Filename: R101409
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	2.93749	5.5582	1.78699	.23765	6.49794	.31616
SDev	.01252	.00587	.00139	.00054	.01027	.00145
%RSD	.42639	.10569	.07827	.23112	.15817	.4616

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/14/09 12:01 Filename: R101409
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.57467	3.31696	4.11325	9.83315	17.3502	3.31819
SDev	.00711	.0046	.00771	.02397	.05751	.00623
%RSD	.27646	.13884	.18747	.24379	.3315	.18779

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.52828	11.0831	15.2331	1.83017	6.58661	5.52572
SDev	.00324	.00312	.02986	.01017	.01302	.01054
%RSD	.21265	.02816	.19607	.55587	.1977	.19077

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.39366	1.48876	1.86723	10.5356	272.232	.52238
SDev	.01099	.00456	.00093	.02105	.43073	.00113
%RSD	.14873	.30643	.05024	.19983	.15822	.21804

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.45545	3.77261
SDev	.00245	.01192
%RSD	.16861	.31606

Zoom In Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 5

Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/14/09 12:07 Filename: R101409
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.41198
SDev	.01536
%RSD	1.08802

Zoom In Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/14/09 12:35 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50745	80.031	4.0044	3.9219	3.9825	3.9473
SDev	.00038	.20396	.00619	.00672	.00472	.00636
%RSD	.07623	.25486	.15461	.17152	.11867	.16121

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.144	3.8897	3.9087	3.9041	4.0126	79.645
SDev	.03728	.00195	.00369	.00383	.00523	.08825
%RSD	.04652	.05035	.09449	.09832	.13053	.1108

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	78.403	80.546	3.9166	3.9559	80.26	3.9162
SDev	.16518	.05048	.00418	.03309	.4226	.0019
%RSD	.21068	.06268	.10692	.83672	.5266	.04869

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.8824	3.9362	3.9186	4.0179	4.1175	4.1170
SDev	.00424	.01206	.00855	.00935	.1733	.23082
%RSD	.10924	.30655	.21841	.23287	4.2091	5.6066

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	4.1179	4.0359	4.0088	3.913	3.914	3.9309
SDev	.05866	.00985	.00974	.0122	.0039	.00823
%RSD	1.4246	.24424	.24305	.3113	.099	.20946

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	3.9392	3.9136	3.9122
SDev	.00652	.00484	.00389
%RSD	.16572	.12378	.09966

Zoom In Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 7

Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/14/09 12:41 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.51018	4.8806	1.0129	1.0119	1.0128	1.0140
SDev	.00132	.01145	.00401	.00331	.00124	.00106
%RSD	.25903	.23464	.39668	.32735	.12279	.10454

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8078	1.0006	H1.0518	.96298	.98946	4.7712
SDev	.0017	.00205	.00083	.00072	.00116	.01672
%RSD	.03551	.2054	.07957	.0756	.11799	.35054

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8222	4.8116	.99867	1.0124	L4.611	1.0036
SDev	.01073	.00498	.00076	.00248	.0176	.00145
%RSD	.22261	.1035	.07637	.24518	.3807	.14521

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.99544	.99464	.99513	1.0093	1.0364	1.0426
SDev	.00114	.00223	.00187	.00215	.00477	.00672
%RSD	.11528	.22445	.18885	.21381	.46067	.64505

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0235	1.0134	1.0070	.9968	L.8992	1.0240
SDev	.00098	.00137	.00261	.0004	.0009	.00123
%RSD	.09663	.13608	.25974	.0359	.0996	.12036

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.96952	.99150	1.0251
SDev	.04958	.00103	.00163
%RSD	5.1148	.10467	.15911

Zoom In Zoom Out

Analysis Report Averages 10/19/09 08:39:21 AM page 8

Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/14/09 12:58 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00075	-.01724	-.00028	.00003	.00004	-.00004
SDev	.00003	.00384	.00147	.00024	.00006	0
%RSD	5.1613	22.286	521.92	711.15	165.84	1.9285

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00409	.00006	-.00012	.00050	.00011	.00194
SDev	.00048	.00015	.0002	.00021	.00013	.00414
%RSD	11.854	246.06	156.13	42.317	113.47	212.62

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05084	-.00009	.00004	.00017	.0116	.00035
SDev	.00805	.00119	0	.00043	.0138	.00027
%RSD	15.838	1317.3	13.631	245.05	119.3	79.029

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00312	-.00030	-.00101	.00123	.00146	.00288
SDev	.00048	.00044	.00045	.00067	.00203	.00287
%RSD	15.535	146.78	45.417	54.38	138.92	99.794

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00193	.00057	.00127	.0021	.0000	.00012
SDev	.00045	.00077	.00109	.0011	0	.00037
%RSD	23.463	133.69	85.984	52.16	310.2	302.1

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00004	.00000	-.00012
SDev	.00122	.00021	.00007
%RSD	2628.6	11971	61.515

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/14/09 13:05 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01105	.18219	.00627	.10681	.21349	.00511
SDev	.00027	.00352	.00059	.00036	.00014	.00002
%RSD	2.4521	1.9365	9.4549	.34627	.0693	.43762

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9146	.00430	.05185	.01091	.02613	.09253
SDev	.00908	.00004	.00023	.00017	.00011	.00467
%RSD	.1848	1.0478	.45203	1.6458	.42706	5.049

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8851	5.0277	.01601	.01122	5.003	.04142
SDev	.01372	.00832	.00008	.00045	.0421	.00092
%RSD	.28089	.16556	.52743	4.0765	.8409	2.2355

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00070	.00292	.00241	.00597	.00395	.00455
SDev	.00122	.00122	.00095	.00132	.00191	.00278
%RSD	173.68	41.948	39.378	22.095	48.544	61.141

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00218	.00264	.00735	.0198	.0181	.02111
SDev	.00123	.00444	.00081	.0014	0	.00003
%RSD	56.738	168.48	11.106	7.082	.0617	.17478

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01024	.05065	.02495
SDev	.00069	.00011	.0001
%RSD	6.782	.21754	.40596

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/14/09 13:11 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01131	.21172	.00540	.12484	.20637	.00398
SDev	.00023	.00236	.00144	.00028	.00019	.00004
%RSD	2.0393	1.1178	26.784	.22672	.09228	1.0193

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.0421	.00426	L.02043	.01058	.02537	.09962
SDev	.00904	.0001	.00032	.0001	.00016	.0024
%RSD	.17939	2.3671	1.6102	1.0227	.66497	2.4185

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9747	5.1232	.01576	.01051	5.164	.03979
SDev	.00964	.00304	.00006	.00041	.0502	.00037
%RSD	.19392	.05937	.42302	3.9859	.972	.94637

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00259	.00147	.00208	.00547	.00547	.00548
SDev	.00055	.00059	.00045	.00046	.00064	.00073
%RSD	21.529	40.292	21.746	8.5451	11.773	13.382

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00489	.00594	.00494	.0208	.0183	.02107
SDev	.00108	.00032	.00064	.001	0	.00011
%RSD	22.111	5.441	12.991	4.916	.0841	.53054

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00924	L.02064	.02643
SDev	.00179	.00007	.00002
%RSD	19.456	.34719	.09845

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/14/09 13:18 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00306	503.06	.00000	-.07074	.00211	-.00034
SDev	.00027	1.5967	.00212	.00121	0	.00002
%RSD	8.926	.3174	41749	1.7146	.25591	7.5237

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	506.36	-.00247	-.00099	.00708	-.00424	197.87
SDev	.5383	.00026	.00008	.00028	.00033	.06342
%RSD	.1063	10.623	8.3008	4.0741	7.9603	.03205

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.70018	519.82	-.00149	.01258	.1731	.00028
SDev	.00306	.38595	.00011	.0003	.047	.00054
%RSD	.4376	.07424	7.6834	2.3962	27.15	194.57

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.21693	.10691	-.00057	-.00192	.00151	.01573
SDev	.00153	.00041	.00039	.00349	.0007	.00172
%RSD	.70831	.38585	68.786	181.66	46.334	10.944

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02686	-.01742	.00605	-.0062	.0004	.00212
SDev	.00213	.00235	.00461	.004	0	.00011
%RSD	7.9327	13.487	76.177	63.95	2.464	5.4439

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00102	.00098	-.00186
SDev	.00408	.00033	.0001
%RSD	397.51	33.637	5.3826

Zoom In Zoom Out

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Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/14/09 13:24 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0763	504.14	.52550	-.07482	.53365	.49948
SDev	.00068	.06584	.00176	.00117	.00057	.00058
%RSD	.06332	.01306	.33559	1.5741	.10853	.11678

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	505.81	.94986	.49216	.49621	.53456	199.59
SDev	1.0436	.0018	.00134	.00084	.00042	.28382
%RSD	.20632	.19054	.27365	.17075	.07883	.1422

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.70705	520.32	.50529	.51540	.1965	.91820
SDev	.00207	.78584	.00062	.00486	.0253	.00221
%RSD	.29344	.15103	.12321	.94303	12.88	.24139

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.28078	.59649	.49159	.51260	1.0251	1.0400
SDev	.00283	.00289	.00143	.0017	.03267	.03915
%RSD	1.0093	.4861	.29251	.33201	3.1874	3.7651

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.99518	.49936	.51948	-.0036	.0004	.00204
SDev	.01996	.00454	.00065	.0059	0	.00011
%RSD	2.0057	.9103	.1263	164.1	1.553	5.5064

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47645	.49869	1.0538
SDev	.02031	.00084	.00113
%RSD	4.2647	.16858	.10788

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 13:32 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25160	39.736	1.9978	1.9822	2.0094	2.0050
SDev	.00051	.1852	.00592	.00369	.00239	.00188
%RSD	.20433	.46608	.29679	.18656	.11938	.09397

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.819	1.9768	1.9679	1.9670	1.9682	39.633
SDev	.0582	.00215	.00222	.00311	.0056	.0618
%RSD	.14617	.10893	.11292	.15858	.28458	.15593

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.899	39.923	1.9729	1.9782	39.52	1.9821
SDev	.14812	.07121	.00288	.01659	.3563	.00313
%RSD	.37125	.17839	.14599	.83865	.9015	.15823

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9616	1.9819	1.9755	2.0089	2.0093	2.0067
SDev	.00093	.00708	.00442	.00378	.06792	.08777
%RSD	.04752	.3574	.22421	.18817	3.3805	4.3741

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0141	2.0237	2.0013	1.938	1.838	1.9794
SDev	.02819	.00418	.00409	.0071	.002	.00448
%RSD	1.3999	.20664	.20466	.3641	.1101	.22648

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9352	1.9754	2.0106
SDev	.04638	.0035	.00177
%RSD	2.3969	.17732	.08839

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 13:51 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00033	-.01311	.00086	-.00114	.00003	-.00011
SDev	.00015	.00258	.00069	.00044	.00003	.00001
%RSD	47.269	19.704	80.309	38.66	108.09	11.869

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00199	.00003	-.00022	.00042	.00009	-.00327
SDev	.00024	.00005	.00004	.00009	.0001	.00406
%RSD	12.37	147.27	19.578	21.896	114.12	124.28

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05634	.00015	.00018	-.00031	.0319	.00067
SDev	.00569	.00179	.00005	.00026	.0759	.0003
%RSD	10.114	1141.5	27.282	84.139	238.2	45.105

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00095	.00000	-.00008	.00007	-.00020	.00034
SDev	.00134	.00021	.00057	.00141	.00062	.00071
%RSD	140.17	10836	683.93	1841.1	307.82	209.48

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00185	-.00185	.00072	-.0007	-.0000	.00000
SDev	.00143	.00224	.00107	.0012	0	.0001
%RSD	77.194	121.02	147.86	172.4	48.49	2241.6

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00016	.00019	.00037
SDev	.00128	.00009	.00008
%RSD	780.6	50.677	23.275

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39188-1C Operator:
Run Time: 10/14/09 13:57 Filename: R101409
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00682	.15027	.02881	.41509	.53355	-.00271
SDev	.00186	.05402	.00188	.00145	.0033	.00036
%RSD	27.329	35.949	6.5528	.35043	.61925	13.368

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	245.45	.00307	.05161	.01007	.68472	.71112
SDev	1.4771	.00111	.00128	.00223	.00416	.03058
%RSD	.60179	36.364	2.4931	22.236	.60897	4.3012

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	19.108	9.2124	8.5181	.51285	1726.	.81363
SDev	.20734	.08204	.04527	.00343	16.46	.00268
%RSD	1.0851	.89061	.53152	.66885	.9535	.33016

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01506	-.00928	-.00898	.02255	-.00601	-.00256
SDev	.01187	.00271	.00221	.00487	.01135	.01976
%RSD	78.833	29.212	24.666	21.637	188.93	771.14

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01862	.00859	.02664	.0260	7.094	.00091
SDev	.00777	.00509	.00875	.0101	.0408	.00002
%RSD	41.762	59.289	32.845	39.01	.5749	2.5428

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00781	.00045	.05481
SDev	.00806	.00102	.00094
%RSD	103.13	225.11	1.7266

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10435-D1 Operator:
Run Time: 10/14/09 14:03 Filename: R101409
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00943	.27644	.03517	.41860	.74434	-.00285
SDev	.00047	.0355	.00875	.00436	.0004	.00029
%RSD	5.0522	12.842	24.89	1.0421	.05495	10.322

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	246.96	.00320	.05727	.02394	.72541	4.0349
SDev	.24368	.00029	.00183	.00227	.00335	.04457
%RSD	.09867	9.071	3.2113	9.5195	.46206	1.1047

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	19.212	9.3040	8.7583	.52003	H1734.	.85299
SDev	.04393	.00059	.00624	.00377	7.102	.0022
%RSD	.22868	.00643	.07136	.72499	.4096	.25807

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01513	.00124	-.00207	.02911	L-.01504	-.01276
SDev	.01229	.00405	.00467	.00585	.00797	.00905
%RSD	81.25	325.03	225.9	20.108	52.997	70.96

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02530	.03253	.02442	.0264	H7.132	.00639
SDev	.00751	.01278	.00701	.0279	.0055	.00181
%RSD	29.707	39.299	28.73	105.6	.0768	28.438

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00640	.00241	.06771
SDev	.00771	.00075	.00304
%RSD	120.5	31.098	4.5039

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38729-1A Operator:
Run Time: 10/14/09 14:10 Filename: R101409
Mode: CONC Type: S Corr. Factor: 25.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.02034	-.01128	L-.00826	.80516	.26661	L-.00538
SDev	.01231	.06038	.00982	.00225	.00068	.00028
%RSD	60.549	534.92	118.93	.28066	.25851	5.2226

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	418.45	.00358	.00833	.01221	.04657	.10725
SDev	.04074	.00113	.00764	.01029	.00316	.08444
%RSD	.00973	31.625	91.671	84.324	6.7877	78.737

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H568.17	37.074	.61955	.22683	H3558.	.04045
SDev	1.3189	.02727	.00014	.02524	11.3	.01017
%RSD	.23213	.07356	.02331	11.13	.3175	25.14

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01908	-.00210	-.00262	.02450	L-.04407	-.02968
SDev	.0391	.03327	.03331	.02272	.01193	.01069
%RSD	204.97	1580	1268.6	92.707	27.089	36.037

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.08708	.01617	.02173	.0121	H14.16	-.00240
SDev	.03693	.04764	.01289	.019	.0186	.00261
%RSD	42.414	294.47	59.322	157.1	.1311	108.64

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00432	.00381	.08563
SDev	.02183	.00358	.0018
%RSD	504.54	93.953	2.1027

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39625-2C Operator:
Run Time: 10/14/09 14:16 Filename: R101409
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00713	.03163	.04013	.28624	1.3695	-.00208
SDev	.00078	.02627	.00089	.00959	.00079	.00014
%RSD	11.038	83.06	2.2288	3.351	.05808	6.7705

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	159.86	.00096	.00309	.00589	.05210	.04615
SDev	.16746	.00065	.001	.00292	.00161	.00908
%RSD	.10475	67.722	32.359	49.642	3.0989	19.676

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	16.169	19.309	.11034	.15169	H1175.	.02381
SDev	.03933	.00958	.00008	.0027	4.24	.00079
%RSD	.2433	.04964	.07965	1.7835	.361	3.3509

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01102	-.00088	.00536	.01763	L-.02620	-.02533
SDev	.01213	.00668	.00099	.01135	.00872	.01808
%RSD	110.05	756.88	18.61	64.377	33.281	71.382

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03360	.02801	.00967	.0058	2.252	.00260
SDev	.0117	.0133	.01424	.0124	.0013	.00104
%RSD	34.832	47.481	147.19	213.5	.0586	40.239

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01342	.00664	.04875
SDev	.00883	.00205	.00045
%RSD	65.77	30.86	.92348

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Method: ICAPNC Sample Name: T39626-1C Operator:
Run Time: 10/14/09 14:22 Filename: R101409
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00579	.09053	.03695	.61273	.19564	-.00271
SDev	.00257	.01294	.00826	.00429	.00042	.00016
%RSD	44.512	14.3	22.377	.70174	.21742	6.2409

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	647.59	.00137	.00505	.00730	.07748	-.07338
SDev	1.4288	.0005	.00016	.00222	.00172	.04887
%RSD	.22063	37.067	3.2253	30.525	2.2327	66.597

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.663	86.542	.29600	.37458	H1272.	.04027
SDev	.04534	.13114	.00024	.0034	3.302	.00353
%RSD	.14321	.15153	.08222	.90925	.2596	8.789

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00202	-.00495	-.00041	.04574	L-.02350	-.02085
SDev	.0106	.00565	.00162	.01125	.0191	.02634
%RSD	523.32	114.03	389.59	24.615	81.286	126.29

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03445	.02683	.05262	.0144	H7.203	.00153
SDev	.00646	.00827	.01953	.0111	.001	.00104
%RSD	18.768	30.825	37.124	77.2	.0137	68.393

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01573	.00131	.05498
SDev	.00539	.00136	.00035
%RSD	34.27	104.27	.63805

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 14:30 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24636	37.447	1.9250	1.9081	1.9526	1.9261
SDev	.0012	.53119	.01966	.01742	.01583	.01472
%RSD	.49083	1.4185	1.0215	.9134	.81119	.76469

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	37.431	1.9026	1.8913	1.8917	1.9074	37.087
SDev	.44238	.01345	.01517	.013	.01735	.48777
%RSD	1.1818	.707	.80227	.68774	.90986	1.3152

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	37.988	37.482	1.8991	1.9103	37.18	1.9145
SDev	.51788	.51554	.01213	.02586	.5532	.01173
%RSD	1.3633	1.3754	.63892	1.3538	1.488	.61318

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8912	1.8960	1.8946	1.9320	1.8885	1.8717
SDev	.01488	.01663	.01595	.01312	.10326	.13023
%RSD	.78692	.87731	.84212	.67954	5.4682	6.9583

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9215	1.9640	1.9158	1.868	L1.800	1.9383
SDev	.04928	.01684	.01129	.0136	.0086	.00899
%RSD	2.565	.85745	.58963	.7303	.4779	.4643

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8926	1.9115	1.9481
SDev	.01248	.01106	.01071
%RSD	.6596	.57892	.55005

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 14:40 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00068	-.00108	.00034	-.00017	.00011	-.00018
SDev	.00021	.00297	.00152	.00072	.00001	.00001
%RSD	31.152	273.5	444.6	411.11	12.477	8.251

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00197	.00009	.00021	.00061	.00017	.00175
SDev	.00268	.00014	.00013	.00027	.00004	.0062
%RSD	135.6	146.37	59.525	45.351	25.003	354.13

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.06046	.00513	.00011	.00084	.0222	.00003
SDev	.00593	.00161	.00005	.00061	.0178	.00007
%RSD	9.8212	31.431	48.003	72.178	80.21	223.13

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00204	-.00008	-.00051	.00019	-.00020	.00049
SDev	.00324	.00196	.00106	.00198	.00035	.00054
%RSD	159.11	2289.5	204.4	1010.6	167.43	110.67

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00218	-.00159	.00079	.0016	.0000	.00030
SDev	.00167	.00329	.00142	.0025	0	.0001
%RSD	76.545	205.98	177.84	149	27.49	34.643

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00009	.00029	-.00001
SDev	.00124	.00023	.0001
%RSD	1381.1	79.71	942.12

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38216-4 Operator:
Run Time: 10/14/09 14:54 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00335	5.6721	-.00079	.20813	.13771	-.00063
SDev	.00073	.0426	.00105	.00195	.0074	.00015
%RSD	21.997	.7511	132.61	.93933	5.3773	23.719

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	109.20	.00038	.00780	.00565	.00442	4.7228
SDev	.24014	.00023	.00171	.00052	.00221	.02704
%RSD	.2199	60.725	21.996	9.2455	50.025	.57266

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.7180	11.343	.50875	.04306	H264.0	.03278
SDev	.0186	.02375	.00068	.00447	1.43	.0024
%RSD	1.0827	.20938	.1347	10.39	.5415	7.3509

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00999	.00004	-.00213	.01153	.03356	.04334
SDev	.00008	.00543	.00365	.00453	.02491	.02866
%RSD	.81221	11017	171.21	39.332	74.242	66.137

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01119	-.00486	.01837	.0039	.1973	.02627
SDev	.01742	.00388	.0057	.0102	.0004	.00091
%RSD	155.67	79.924	31.066	259.7	.1908	3.4678

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.12716	.01629	.02172
SDev	.15491	.00128	.00062
%RSD	121.82	7.8703	2.869

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38216-5 Operator:
Run Time: 10/14/09 15:00 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00220	.00170	-.00133	.37957	.24398	-.00101
SDev	.00178	.01542	.00553	.00266	.00093	.00009
%RSD	80.906	904.85	415.03	.70297	.38278	9.2883

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	109.43	-.00013	.00382	.00256	.00234	-.00058
SDev	.09388	.00052	.00082	.002	.00059	.01834
%RSD	.08579	395.98	21.532	78.315	25.373	3161.9

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.0770	8.9062	.61491	.00226	H311.5	.02248
SDev	.02411	.00173	.00071	.00344	.815	.00072
%RSD	2.2391	.01951	.11683	152.36	.2617	3.2029

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00235	-.00038	.00008	.00838	-.00295	.00076
SDev	.00131	.0036	.0024	.00576	.00418	.00601
%RSD	55.935	932.06	2737.7	68.76	141.47	790.81

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01319	-.00273	.01245	.0081	.1789	-.00108
SDev	.00055	.00674	.00982	.0055	.0001	.00052
%RSD	4.1687	246.89	78.857	66.99	.036	48.061

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00277	.00244	.01403
SDev	.01019	.00156	.0002
%RSD	367.05	63.947	1.4898

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Method: ICAPNC Sample Name: T38216-6 Operator:
Run Time: 10/14/09 15:06 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00217	-.00859	.00735	.48795	.30287	-.00102
SDev	.00077	.01113	.00441	.00463	.00064	.00003
%RSD	35.648	129.58	60.049	.94966	.21379	2.9782

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	70.843	.00019	.00677	.00227	.00323	.03577
SDev	.07199	.00082	.00041	.00156	.00049	.01842
%RSD	.10162	416.15	6.0671	68.839	15.304	51.492

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.2825	8.5567	1.9419	.00199	H338.9	.02911
SDev	.0348	.01367	.00098	.00259	1.124	.00273
%RSD	2.7142	.15977	.05096	129.65	.3316	9.4084

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00023	-.00540	-.00251	.00317	-.00164	.00107
SDev	.00781	.00829	.00417	.00709	.00476	.00297
%RSD	3380	153.34	165.71	223.42	289.78	276.03

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00989	-.00936	.00795	.0042	.1447	-.00023
SDev	.01047	.00829	.01425	.0045	.0001	.00051
%RSD	105.84	88.555	179.17	107	.0887	218.98

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00571	.00497	.01745
SDev	.00095	.00104	.00098
%RSD	16.803	20.962	5.6657

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Method: ICAPNC Sample Name: T38216-7 Operator:
Run Time: 10/14/09 15:13 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00292	-.02569	.01016	.16088	.25224	-.00097
SDev	.00167	.01589	.00341	.00241	.00079	.00004
%RSD	57.261	61.88	33.581	1.4987	.31669	5.0228

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	134.11	.00016	.00268	.00322	.00102	-.01957
SDev	.05407	.0004	.00015	.00031	.00066	.04305
%RSD	.04031	246.26	5.942	9.6711	64.527	219.96

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.73981	16.535	1.4669	-.00063	H260.7	.01163
SDev	.01008	.01296	.00087	.00174	.8805	.00084
%RSD	1.3636	.07843	.05955	275.39	.3378	7.296

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00265	.00079	.00258	.00079	L-.00571	-.00076
SDev	.00605	.0092	.00422	.00295	.00628	.00833
%RSD	228.1	1151.2	163.24	370.76	110.07	1083.1

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01840	-.01258	.00601	-.0007	.2997	-.00027
SDev	.00255	.01088	.00533	.0085	.0001	.00089
%RSD	13.878	86.471	88.642	1195	.0301	329.23

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00589	.00143	.01009
SDev	.00331	.00101	.00036
%RSD	56.271	70.929	3.5928

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Method: ICAPNC Sample Name: T38216-11 Operator:
Run Time: 10/14/09 15:19 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00148	-.03016	.02657	.07604	.21121	-.00093
SDev	.00195	.00582	.00159	.00235	.00046	.00011
%RSD	131.36	19.316	5.9871	3.1012	.21917	12.451

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	80.849	.00009	.00834	.00227	.00313	6.2872
SDev	.09907	.00066	.0013	.00052	.00111	.01134
%RSD	.12254	672.14	15.653	23.158	35.575	.18041

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1393	11.312	3.1212	.06790	H226.6	.00362
SDev	.00711	.01275	.00346	.00241	.3116	.00145
%RSD	.62449	.11274	.11094	3.5502	.1375	40.213

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01486	.00576	.00006	.00084	-.00480	.00120
SDev	.00595	.00372	.00215	.00383	.00403	.00439
%RSD	40.04	64.587	3475.7	452.71	83.922	365.28

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01963	-.01855	.00911	.0042	.2014	-.00044
SDev	.00351	.00925	.00187	.0057	0	.00103
%RSD	17.879	49.87	20.562	136.4	.0025	233.09

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00411	.00135	.01455
SDev	.01423	.00018	.00071
%RSD	345.58	13.358	4.8959

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Method: ICAPNC Sample Name: T38216-12 Operator:
Run Time: 10/14/09 15:34 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00133	-.04243	.00944	.06471	.12168	-.00067
SDev	.00048	.0168	.00425	.00134	.00018	.00007
%RSD	36.361	39.611	45.065	2.0742	.15529	11.452

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	73.985	.00015	.00741	.00169	.00680	2.2812
SDev	.03318	.00014	.00021	.00088	.001	.0131
%RSD	.04484	90.291	2.8636	51.918	14.733	.57464

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1240	7.8223	.70369	.23915	H211.3	.00775
SDev	.00869	.0173	.00036	.00128	.61	.00182
%RSD	.77382	.22123	.05255	.5376	.2886	23.559

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00265	-.00470	-.00285	.00237	L-.01163	-.00865
SDev	.00306	.01008	.00693	.0092	.00339	.00457
%RSD	115.37	214.25	242.39	387.16	29.187	52.858

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02039	-.00393	.00410	.0018	.1532	-.00079
SDev	.00137	.01473	.0067	.003	.0001	0
%RSD	6.7371	374.33	163.25	168.2	.0435	.80146

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00499	-.00035	.03334
SDev	.01025	.00051	.00049
%RSD	205.04	143.46	1.4785

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Method: ICAPNC Sample Name: T38216-13 Operator:
Run Time: 10/14/09 15:40 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00387	.02341	.02900	.07487	.27465	-.00131
SDev	.00093	.06827	.00612	.0032	.01135	.00059
%RSD	24.246	291.56	21.117	4.2768	4.1325	45.388

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	73.760	-.00011	.02919	.00197	.00288	3.6923
SDev	3.27	.00019	.00227	.0017	.00069	.17931
%RSD	4.4333	178.8	7.7847	86.358	23.976	4.8564

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1441	11.987	6.5236	.00377	H238.9	.02881
SDev	.2312	.54547	.28061	.00291	7.27	.00471
%RSD	20.208	4.5507	4.3014	77.098	3.043	16.353

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00562	.00013	-.00062	-.00173	L-.00913	-.00566
SDev	.0088	.00131	.00235	.00183	.00553	.00764
%RSD	156.35	945.85	378.48	105.77	60.616	135.08

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01896	-.01497	.00341	.0009	.2071	.00000
SDev	.00752	.00755	.00459	.0013	.0088	.00009
%RSD	39.687	50.432	134.45	142.3	4.224	2427.3

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00709	.00144	.01374
SDev	.00522	.00087	.00049
%RSD	73.733	60.686	3.6297

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Method: ICAPNC Sample Name: T38216-14 Operator:
Run Time: 10/14/09 15:47 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00379	-.02121	.00540	.05271	.15324	-.00090
SDev	.00065	.01385	.00779	.00105	.00154	.00021
%RSD	17.286	65.318	144.18	2.0025	1.0098	23.32

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	62.832	.00092	.00761	.00177	.00241	1.3597
SDev	.5931	.0003	.00095	.00064	.00031	.00391
%RSD	.94394	33.137	12.505	36.489	13.231	.28823

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1338	9.9305	.61828	-.00086	H218.8	.00502
SDev	.0456	.06978	.00567	.0016	2.028	.00135
%RSD	4.0223	.70278	.91742	185.01	.9268	26.874

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00818	.00220	-.00008	.00056	L-.00901	-.00521
SDev	.00593	.00388	.00403	.00433	.00103	.0043
%RSD	72.506	176.05	4694.5	764.97	11.469	82.618

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01942	-.01474	.00678	.0010	.1891	-.00030
SDev	.00555	.00698	.00405	.0033	.0015	.00102
%RSD	28.605	47.34	59.819	341.5	.8177	334.84

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00824	.00016	.02532
SDev	.00817	.00056	.00061
%RSD	99.163	340.61	2.4284

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Method: ICAPNC Sample Name: T38216-15 Operator:
Run Time: 10/14/09 15:53 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00387	-.03461	.01384	.04621	.24350	-.00093
SDev	.00189	.00969	.00692	.0014	.00031	.00004
%RSD	48.771	27.998	49.968	3.0444	.13099	4.5627

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.335	-.00029	.02081	.00260	.00360	4.7182
SDev	.05826	.00055	.00066	.00017	.00084	.01301
%RSD	.11574	188.59	3.2055	6.5523	23.438	.27584

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.0152	8.8038	4.8541	.00202	H208.7	.01692
SDev	.00876	.01346	.00246	.00231	.4304	.00079
%RSD	.86334	.1529	.05081	114.15	.2062	4.7068

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00347	.00382	.00256	L-.00515	L-.01383	-.01154
SDev	.00256	.00539	.00386	.00782	.00746	.00842
%RSD	73.89	140.85	150.54	151.82	53.914	72.95

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02121	-.00921	-.00461	.0001	.1552	-.00042
SDev	.0061	.00965	.00868	.005	.0001	.0005
%RSD	28.762	104.84	188.14	3273	.0364	120.75

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00986	.00237	.01367
SDev	.0005	.00152	.00054
%RSD	5.0724	64.018	3.9765

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Method: ICAPNC Sample Name: T38339-2 Operator:
Run Time: 10/14/09 15:59 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00260	.10863	.04715	.05965	.20509	-.00099
SDev	.00061	.01767	.01134	.0032	.0002	.00013
%RSD	23.682	16.27	24.063	5.3693	.09797	13.68

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	63.781	.00030	.07023	.00192	.00720	13.931
SDev	.05056	.00081	.00171	.00176	.00205	.05381
%RSD	.07927	263.81	2.4406	91.766	28.486	.38632

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1370	17.600	4.7492	-.00007	H387.7	.03491
SDev	.02237	.00821	.00255	.00231	1.029	.00272
%RSD	1.9678	.04668	.05385	3227.2	.2653	7.8123

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00201	-.00447	-.00118	.00303	L-.01935	-.02146
SDev	.01692	.00906	.00255	.00198	.00577	.01417
%RSD	841.99	202.59	216.29	65.238	29.83	66.059

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01791	.00070	.00284	.0012	.2925	-.00060
SDev	.01106	.01293	.00852	.0037	.0002	.00104
%RSD	61.762	1848.1	299.4	309.8	.0797	173.16

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00695	.00025	.03631
SDev	.00639	.00165	.00047
%RSD	91.947	641.32	1.317

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 16:08 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25695	40.627	2.0279	2.0419	2.0661	2.0326
SDev	.00243	.3959	.01666	.0202	.02133	.02304
%RSD	.94704	.97447	.82202	.9895	1.0327	1.1335

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.489	2.0102	1.9899	1.9916	2.0117	40.057
SDev	.42864	.0211	.02168	.02196	.02099	.44689
%RSD	1.0587	1.0501	1.0896	1.1028	1.0434	1.1157

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.795	40.695	1.9961	1.9857	40.48	2.0180
SDev	.35463	.43046	.02119	.03813	.2675	.02018
%RSD	.8693	1.0578	1.0617	1.9203	.6609	1

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	2.0049	2.0124	2.0101	2.0369	2.0164	1.9907
SDev	.01307	.02401	.02016	.02075	.07366	.09082
%RSD	.65218	1.1935	1.0032	1.0191	3.6533	4.5623

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0673	2.0876	2.0114	1.916	1.885	2.0236
SDev	.03934	.01329	.0245	.0258	.0181	.02253
%RSD	1.9033	.63665	1.2182	1.346	.9589	1.1137

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9398	2.0126	2.0306
SDev	.08464	.02038	.02093
%RSD	4.3634	1.0128	1.031

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 16:17 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00032	.03088	-.00007	-.00067	.00003	-.00023
SDev	.00049	.00358	.00032	.00045	.00004	.00004
%RSD	152.07	11.614	429.32	66.446	131.37	17.021

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00098	.00006	.00017	.00044	-.00011	-.00410
SDev	.00424	.0002	.00016	.00024	.00032	.00378
%RSD	432.22	326.81	95.209	55.616	284.95	92.166

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.06591	.00057	.00023	.00069	-.0238	-.00010
SDev	.00883	.00124	.00018	.00027	.0548	.00036
%RSD	13.41	217.99	77.681	39.669	230.1	354.63

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00167	-.00074	-.00082	-.00075	.00300	.00422
SDev	.00107	.0016	.00138	.00075	.00087	.00097
%RSD	64.325	214.51	167.5	100.9	29.011	23.164

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00001	-.00135	-.00073	.0001	.0000	.00018
SDev	.00152	.0014	.00183	.0016	0	.00009
%RSD	11532	103.95	248.36	1144	800	53.725

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00030	.00007	.00008
SDev	.00259	.00029	.00016
%RSD	863.38	407.26	198.45

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Method: ICAPNC Sample Name: T38097-16 Operator:
Run Time: 10/14/09 16:25 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00260	.02337	-.00248	.07050	.13512	-.00143
SDev	.0017	.00563	.00526	.00308	.00006	.00013
%RSD	65.324	24.123	211.71	4.3701	.0455	9.0875

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	120.45	.00021	-.00060	.00156	.00125	-.01677
SDev	.11923	.00012	.00212	.00035	.00052	.0221
%RSD	.09899	57.483	349.16	22.646	42.264	131.77

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.0455	29.027	.00614	-.00028	H361.2	.00376
SDev	.0162	.04065	.00065	.0011	.7479	.0004
%RSD	.79208	.14004	10.724	382.49	.2071	10.751

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00487	-.00277	-.00230	.00011	-.00262	-.00124
SDev	.00718	.00987	.00572	.00285	.00134	.00226
%RSD	147.51	355.38	248.41	2498.5	51.252	181.36

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00817	-.01364	.00563	.0055	.5664	.00049
SDev	.0025	.01229	.00772	.003	.0004	0
%RSD	30.578	90.085	136.96	54.79	.0764	.62904

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00272	.00077	.01228
SDev	.00974	.00069	.00075
%RSD	357.2	89.464	6.1389

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Method: ICAPNC Sample Name: T38097-20 Operator:
Run Time: 10/14/09 16:31 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00432	.08286	.00088	.59396	.25641	-.00137
SDev	.00165	.01048	.00302	.00417	.00033	.00005
%RSD	38.261	12.657	342.73	.70279	.13077	4.0411

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	143.47	.00082	.00475	.00436	.00575	.00337
SDev	.0998	.00037	.00134	.00115	.00036	.01131
%RSD	.06956	44.794	28.239	26.453	6.2911	334.87

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.2709	13.398	.38237	.00125	H412.4	.03120
SDev	.00625	.03613	.00028	.00067	3.148	.00105
%RSD	.49232	.26971	.07579	53.954	.7632	3.3883

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00652	-.00569	-.00045	.00482	L-.01188	-.01125
SDev	.02851	.01437	.00559	.00727	.00356	.00687
%RSD	437.1	252.37	1225.7	150.76	29.969	61.139

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01594	-.00045	.00605	.0071	.2446	.00040
SDev	.00309	.01682	.00631	.0043	.0002	.00051
%RSD	19.386	3716.6	104.16	60.51	.0906	127.4

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00030	.00498	.01951
SDev	.0038	.00096	.00012
%RSD	1245.9	19.303	.63367

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Method: ICAPNC Sample Name: T38097-20A Operator:
Run Time: 10/14/09 16:38 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00086	.01547	.00099	.57650	.25459	-.00148
SDev	.0032	.00345	.00104	.00631	.00054	.0001
%RSD	369.63	22.332	104.92	1.095	.21253	6.8162

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	138.03	-.00012	.00381	.00027	.00259	-.00106
SDev	.24536	.00101	.00229	.00329	.00075	.02308
%RSD	.17775	814.68	60.083	1196.1	29.066	2175.1

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.2007	12.969	.37665	.00089	H398.4	.02479
SDev	.03156	.02439	.00095	.00215	1.562	.00512
%RSD	2.6289	.18808	.25245	239.83	.3921	20.667

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00007	-.00281	-.00073	-.00368	L-.01024	-.00930
SDev	.01034	.00441	.0045	.00356	.00715	.00929
%RSD	14309	157.16	615.82	96.979	69.831	99.901

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01492	-.01347	-.00019	.0038	.2362	-.00023
SDev	.00482	.0095	.00708	.0084	.0002	0
%RSD	32.315	70.55	3659.7	223.4	.0944	2.9114

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01407	.00387	.01150
SDev	.00467	.00176	.00003
%RSD	33.21	45.688	.28588

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Method: ICAPNC Sample Name: T38097-14 Operator:
Run Time: 10/14/09 16:47 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00108	72.488	.01297	.09163	.32224	.00470
SDev	.0002	.11768	.00093	.00107	.00031	.00001
%RSD	18.705	.16234	7.1781	1.1744	.09845	.33894

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.7149	-.00127	.00730	.04697	.01985	40.972
SDev	.01797	.00014	.00016	.00009	.00001	.10539
%RSD	.26774	11.347	2.3201	.20384	.09347	.25723

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8343	6.4705	.16819	.00441	44.56	.03520
SDev	.00988	.00737	.00024	.00028	.1735	.00036
%RSD	.20448	.11403	.14355	6.3677	.3894	1.0384

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02477	.03297	.01397	.00140	.00056	.00428
SDev	.00055	.00146	.001	.00101	.00135	.00191
%RSD	2.2308	4.4447	7.1631	72.516	242.73	44.665

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00737	-.00598	.00486	.0051	.0454	.26923
SDev	.00063	.00046	.00174	.003	0	.0002
%RSD	8.613	7.8034	35.982	58.76	.0202	.0774

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00628	.07822	.08055
SDev	.00117	.0002	.00008
%RSD	18.692	.2578	.10269

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 16:55 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25198	39.845	1.9932	2.0227	2.0329	1.9929
SDev	.0005	.1724	.00253	.00218	.00092	.00173
%RSD	.20004	.43268	.12725	.10814	.04563	.0873

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.790	1.9814	1.9584	1.9567	1.9691	39.402
SDev	.02172	.00101	.00061	.00208	.00297	.02097
%RSD	.05459	.05143	.03152	.10675	.15098	.05322

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.019	39.888	1.9628	1.9491	39.75	1.9921
SDev	.12208	.02501	.0003	.01713	.2873	.00166
%RSD	.30507	.06271	.01573	.87929	.7227	.08362

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9686	1.9683	1.9687	2.0025	1.9702	1.9451
SDev	.12208	.02501	.0003	.01713	.2873	.00166
%RSD	.30507	.06271	.01573	.87929	.7227	.08362

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0199	2.0551	1.9760	1.872	1.847	1.9893
SDev	.02965	.00577	.0015	.0066	.0011	.00133
%RSD	1.4679	.28092	.07627	.3506	.0592	.06718

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8995	1.9767	2.0018
SDev	.05585	.00108	.00197
%RSD	2.9406	.05472	.09857

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 17:06 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00077	-.00717	.00106	-.00064	.00008	-.00019
SDev	.0003	.00062	.00003	.00004	.00004	0
%RSD	38.949	8.7554	3.4519	6.7289	53.881	2.7423

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00111	.00010	.00012	.00062	.00002	.00317
SDev	.00357	.00011	.00038	.00033	.00023	.00151
%RSD	319.99	115.4	304.29	53.282	945.39	47.693

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05721	.00284	.00028	.00045	.1063	.00059
SDev	.00343	.00199	.00003	.0001	.039	.00004
%RSD	6.0076	69.966	13.158	23.298	36.64	8.2293

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00149	-.00116	-.00104	.00079	.00156	.00201
SDev	.00091	.00032	.0005	.0008	.00084	.00102
%RSD	61.385	27.523	48.626	101.35	53.935	50.841

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00010	.00047	.00067	.0018	.0000	.00018
SDev	.00048	.00305	.00165	.0014	0	.0001
%RSD	447.66	643.15	247	80.79	74.88	54.615

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00003	.00017	.00069
SDev	.00129	0	.00036
%RSD	3700.8	.39882	52.687

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Method: ICAPNC Sample Name: MP10434-MB1 Operator:
Run Time: 10/14/09 17:43 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00060	-.00652	-.00140	-.00134	.00007	-.00024
SDev	.00032	.00087	.00101	.00029	.00001	.00001
%RSD	54.439	13.477	71.939	22.219	16.752	6.1727

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00097	.00016	-.00007	.00050	.00018	-.00296
SDev	.00081	.00002	.00005	.00019	.0001	.00455
%RSD	82.952	16.403	77.816	38.625	58.236	153.65

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.07356	.00442	.00023	-.00035	.0908	.00043
SDev	.01146	.00162	.00003	.00007	.0569	.00043
%RSD	15.586	36.752	14.388	21.87	62.73	99.849

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00204	-.00177	-.00027	-.00006	-.00343	-.00433
SDev	.00228	.00079	.00022	.0008	.00115	.00185
%RSD	111.45	44.753	81.707	1282.2	33.483	42.708

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00219	.00003	-.00040	.0015	.0000	-.00011
SDev	.00068	.00286	.00201	.0015	0	.00017
%RSD	31.164	7990.2	500.96	102.5	75.28	157.61

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00033	.00030	.00042
SDev	.0013	.00022	.00008
%RSD	386.9	74.526	20.382

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Method: ICAPNC Sample Name: MP10434-B1 Operator:
Run Time: 10/14/09 17:49 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.40405	52.640	.41523	1.0449	.41918	.41735
SDev	.00101	.1624	.00218	.00287	.00065	.00066
%RSD	.25135	.3085	.5266	.27494	.15725	.15938

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.969	.40217	.39672	.39763	.40699	50.588
SDev	.08868	.00046	.00092	.00074	.00091	.06147
%RSD	.174	.11576	.23229	.18745	.22446	.12151

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.459	51.928	.41449	.40397	51.76	.40726
SDev	.16258	.09356	.00054	.00314	.2674	.00078
%RSD	.32221	.18019	.13191	.77846	.5167	.1928

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36922	.42023	.40353	.41862	.40211	.40014
SDev	.0004	.0006	.00053	.00186	.01065	.01271
%RSD	.109	.14284	.13237	.44606	2.6498	3.1773

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40562	.42542	.41500	.3837	.3456	.42767
SDev	.00656	.00211	.00335	.0015	.0005	.00083
%RSD	1.6183	.49736	.80917	.4024	.1372	.19557

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37702	.40641	.42351
SDev	.02749	.00078	.00038
%RSD	7.2938	.19308	.09015

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Method: ICAPNC Sample Name: T39417-2 Operator:
Run Time: 10/14/09 17:56 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00179	.60890	.00780	.03969	.49346	-.00044
SDev	.00063	.01676	.00228	.00057	.00231	.00009
%RSD	35.537	2.7529	29.326	1.4537	.46983	21.382

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	416.17	.00031	.00059	.00688	.04514	1.4081
SDev	3.0719	.00003	.0005	.00068	.00027	.00882
%RSD	.73813	10.564	83.911	9.8965	.60184	.62644

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	17.738	36.261	.33425	.00514	H3258.	.04891
SDev	.20679	.13436	.00124	.00058	15.61	.0007
%RSD	1.1658	.37053	.37167	11.349	.4791	1.4316

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00907	.00286	.00531	.00332	.00662	.00677
SDev	.00121	.00186	.0011	.00092	.00212	.00266
%RSD	13.365	65.139	20.831	27.89	32.094	39.31

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00565	-.00797	.00875	.0036	2.273	.01103
SDev	.00123	.00284	.0013	.0027	.0052	.00041
%RSD	21.777	35.646	14.947	75.83	.2269	3.7859

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00757	.00212	.15128
SDev	.00308	.00036	.00039
%RSD	40.77	16.961	.26177

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Method: ICAPNC Sample Name: MP10434-D1 Operator:
Run Time: 10/14/09 18:02 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00106	.54955	.00857	.03970	.49761	-.00032
SDev	.00008	.00488	.00146	.00085	.00085	0
%RSD	7.7028	.88852	17.087	2.1459	.17256	1.5658

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	421.95	.00042	.00094	.00617	.04589	1.4206
SDev	.60574	.00005	.00012	.00036	.00013	.0135
%RSD	.14355	13.605	12.794	5.9729	.30345	.95082

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	17.978	37.499	.33960	.00348	H3277.	.05138
SDev	.0656	.06296	.00025	.00037	7.319	.00084
%RSD	.36489	.1679	.07392	10.858	.2233	1.6438

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00041	.00534	.00415	.00241	.00379	.00483
SDev	.00121	.00084	.00018	.00057	.00155	.00248
%RSD	290.84	15.892	4.4843	23.819	40.898	51.439

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00099	-.00494	.00588	.0007	2.289	.00975
SDev	.00094	.00265	.00132	.0016	.0026	.00011
%RSD	95.194	53.732	22.569	246.7	.1136	1.143

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00323	.00251	.15664
SDev	.00175	.00053	.00001
%RSD	54.285	21.142	.01155

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Method: ICAPNC Sample Name: MP10434-SD1 Operator:
Run Time: 10/14/09 18:09 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00256	.56083	.00880	.03294	.50327	-.00155
SDev	.00091	.01453	.00785	.00319	.0014	.00005
%RSD	35.76	2.5919	89.276	9.7075	.27906	3.2813

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	420.38	.00026	.00073	.00705	.04225	1.3890
SDev	1.5325	.00042	.00031	.00069	.00182	.04979
%RSD	.36456	163.05	42.35	9.8897	4.3212	3.5847

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.312	38.486	.33957	.00167	H5760.	.05320
SDev	.04048	.14294	.00142	.00274	9.385	.00217
%RSD	.35789	.37141	.41912	163.84	.1629	4.0817

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00658	.00225	.00100	-.00116	-.00482	-.00097
SDev	.00644	.01181	.00774	.00347	.00498	.00726
%RSD	97.855	524.18	770.57	297.42	103.35	742.12

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01547	-.01742	.00551	.0025	2.232	.01153
SDev	.00576	.00324	.00615	.0056	.0047	.00002
%RSD	37.282	18.649	111.61	227.4	.2088	.22566

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00687	.00133	.15442
SDev	.01287	.00055	.00059
%RSD	187.22	41.244	.38552

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Method: ICAPNC Sample Name: MP10434-S1 Operator:
Run Time: 10/14/09 18:15 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.15578	55.492	.44160	1.0803	.89241	.38264
SDev	.00043	.07158	.00196	.0017	.0014	.00078
%RSD	.27883	.129	.44578	.15773	.15702	.20472

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	466.82	.38346	.37191	.37769	.49548	46.862
SDev	1.6877	.00087	.00144	.00034	.0007	.12739
%RSD	.36152	.22944	.38874	.09179	.14192	.27185

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H107.96	83.595	.73141	.40770	H3308.	.42113
SDev	.35888	.18531	.00161	.00285	4.14	.00111
%RSD	.33241	.22168	.22116	.70038	.1252	.26374

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37259	.40950	.39755	.42228	.42964	.42612
SDev	.00085	.00349	.00223	.00215	.01331	.01666
%RSD	.23031	.85343	.56329	.51049	3.099	3.9097

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.43613	.42404	.42129	.3921	2.665	.41798
SDev	.00667	.00446	.00467	.003	.0022	.00113
%RSD	1.5315	1.0533	1.1108	.7764	.0823	.27088

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.35382	.39296	.61414
SDev	.01282	.0013	.00059
%RSD	3.624	.33125	.09648

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Method: ICAPNC Sample Name: MP10434-S2 Operator:
Run Time: 10/14/09 18:22 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.15455	54.931	.43888	1.0760	.86518	.38474
SDev	.0002	.10872	.00209	.0003	.00088	.00052
%RSD	.12965	.19792	.47643	.02837	.10266	.13676

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	450.66	.38559	.37340	.37913	.48676	47.016
SDev	1.2329	.00014	.00053	.00072	.00105	.05654
%RSD	.27356	.03682	.14416	.19065	.21613	.12025

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H105.25	82.295	.71882	.40861	H3218.	.41902
SDev	.26459	.14235	.00086	.00265	4.383	.00178
%RSD	.2514	.17297	.11986	.64909	.1362	.42542

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37034	.41129	.39805	.42079	.43287	.43059
SDev	.00199	.00401	.00217	.00226	.00992	.01301
%RSD	.53985	.97719	.54666	.53848	2.2933	3.0225

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.43692	.42322	.41945	.3938	2.547	.41721
SDev	.0045	.00092	.00294	.0019	.0023	.00051
%RSD	1.0314	.21889	.70241	.4885	.0912	.12408

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.35875	.39381	.60403
SDev	.01278	.0001	.00147
%RSD	3.5626	.02668	.24339

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Method: ICAPNC Sample Name: T38984-1 Operator:
Run Time: 10/14/09 18:28 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00036	2.2197	.00254	.26942	2.5120	-.00035
SDev	.0003	.00541	.00201	.0014	.00216	.00002
%RSD	84.952	.24405	79.147	.52137	.08628	6.1185

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	19.965	.00005	-.00007	.07340	.18755	3.4267
SDev	.01518	.00003	.00037	.0002	.00019	.00964
%RSD	.07608	67.845	472.75	.28408	.10648	.28148

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.6770	3.1300	.12592	13.092	H324.5	.05553
SDev	.01093	.00424	.00014	.06034	.3652	.00019
%RSD	.14245	.13554	.11638	.46095	.1125	.34548

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01759	-.00311	.00406	.00106	L-.01549	.03167
SDev	.00188	.0003	.00082	.0006	.00214	.00176
%RSD	10.715	9.7924	20.186	56.471	13.868	5.5635

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.11052	-.00444	.00350	.0068	.2391	.04230
SDev	.00292	.00132	.0006	.0006	.0001	.00063
%RSD	2.6423	29.829	17.157	8.95	.0415	1.4946

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00468	-.02219	.27548
SDev	.00114	.00043	.00026
%RSD	24.359	1.9747	.09769

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Method: ICAPNC Sample Name: T39503-1 Operator:
Run Time: 10/14/09 18:35 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00104	.03002	.00537	.16513	.09074	-.00021
SDev	.0003	.0039	.00098	.00083	.00002	.00001
%RSD	28.981	13.014	18.263	.50433	.03091	5.1825

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.671	-.00004	.00029	.00138	.00556	.04392
SDev	.03802	.00005	.00017	.00031	.00015	.00423
%RSD	.12398	118.06	58.442	22.759	2.8507	9.6311

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.2467	10.160	.01783	.07764	174.0	.00949
SDev	.0061	.01173	.00004	.00742	.2559	.00021
%RSD	.11627	.11549	.27195	9.5691	.1471	2.2345

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00233	-.00058	.00063	.00100	-.00050	.00032
SDev	.00113	.00041	.0003	.00086	.00052	.00101
%RSD	48.506	70.197	47.527	85.966	104.86	307.29

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00273	-.00540	.00392	.0015	.3073	.00021
SDev	.00045	.00131	.00084	.0012	.0001	.0001
%RSD	16.725	24.321	21.507	80.91	.0339	49.527

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00615	.03416	.06451
SDev	.00133	.00028	.0002
%RSD	21.669	.82054	.32259

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Method: ICAPNC Sample Name: T39508-1 Operator:
Run Time: 10/14/09 18:41 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00049	.04448	.00074	.41921	.11389	-.00022
SDev	.00015	.00189	.00141	.00065	.0002	.00004
%RSD	30.856	4.2624	188.89	.15699	.1825	17.942

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	21.478	.00037	.00001	.00105	.02362	.02130
SDev	.06281	.00013	.00029	.00023	.00019	.0038
%RSD	.29244	36.203	1729.5	21.903	.80962	17.841

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	20.550	7.2278	.00213	.00399	175.0	.00701
SDev	.04939	.02077	.00004	.0005	.3352	.00039
%RSD	.24036	.2875	2.0298	12.721	.1915	5.6952

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00292	-.00090	.00075	-.00006	-.00024	.00124
SDev	.00321	.00056	.00119	.00147	.00047	.00091
%RSD	109.83	62.452	158.67	2262.4	188.63	73.357

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00383	-.00602	.00259	.0011	.4467	.00000
SDev	.00055	.00126	.00195	.0024	.0003	.00037
%RSD	14.361	21.065	75.328	222.3	.077	4550.4

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00567	.00047	.06404
SDev	.00053	.00017	.00022
%RSD	9.4524	37.937	.35882

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 18:49 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25386	39.943	1.9918	2.0244	2.0422	1.9896
SDev	.00036	.13017	.00103	.0034	.00005	.00381
%RSD	.14476	.3259	.05215	.16825	.0029	.19182

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.577	1.9686	1.9408	1.9484	1.9806	39.170
SDev	.08332	.00266	.00378	.00329	.00257	.05582
%RSD	.21052	.13547	.19515	.16899	.13014	.14252

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.392	39.933	1.9514	1.9362	40.07	1.9758
SDev	.04457	.08838	.00234	.01402	.1436	.00164
%RSD	.11035	.22133	.12038	.72443	.3584	.08322

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9547	1.9606	1.9589	1.9975	1.9549	1.9216
SDev	.00299	.00526	.0044	.0083	.06216	.07812
%RSD	.15325	.26853	.22495	.41587	3.18	4.0655

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0210	2.0488	1.9716	1.852	1.854	1.9873
SDev	.03021	.00993	.01024	.0035	.001	.00305
%RSD	1.4949	.48472	.51955	.1868	.0545	.15355

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8927	1.9776	1.9926
SDev	.05979	.0026	.00378
%RSD	3.1591	.13163	.18998

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 19:01 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00053	-.01110	.00019	-.00105	.00007	-.00019
SDev	.00019	.00109	.00049	.00025	.00003	.00002
%RSD	36.938	9.8695	253.27	24.367	48.728	13.128

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00026	.00005	.00008	.00040	-.00007	.00043
SDev	.00048	.00003	.00012	.00031	.00006	.00239
%RSD	183.78	66.346	147.15	78.023	91.933	549.21

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.06498	.00285	.00021	.00019	.1558	.00036
SDev	.003	.00202	.00004	.00049	.0561	.00021
%RSD	4.6203	70.869	19.792	253.89	36	59.49

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00004	-.00074	-.00030	-.00025	.00009	.00013
SDev	.00085	.00111	.00089	.00023	.00064	.0013
%RSD	1896.9	149.9	297.31	90.123	693.87	956.88

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00055	-.00043	-.00045	.0003	.0000	.00006
SDev	.00089	.00089	.00077	.002	0	.00017
%RSD	161.87	205.92	172.53	623.9	57.36	279.88

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00000	.00017	.00052
SDev	.00184	.00012	.00004
%RSD	33179	72.64	8.0662

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Method: ICAPNC Sample Name: T39509-1 Operator:
Run Time: 10/14/09 19:07 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00055	.02028	.00103	.07895	.15902	-.00032
SDev	.00027	.00371	.00082	.00059	.00013	.00001
%RSD	50.628	18.297	79.025	.75265	.08689	5.6905

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	46.597	.00020	-.00016	.00154	.03486	.04513
SDev	.13128	.00019	.00047	.00036	.00017	.00513
%RSD	.28174	94.172	279.21	23.58	.5051	11.387

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	23.790	8.8236	.01538	.00279	102.9	.00935
SDev	.03937	.02894	.00002	.00012	.4622	.00044
%RSD	.16552	.32805	.15795	4.505	.4492	4.7906

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00406	.00121	.00236	-.00033	.00095	.00209
SDev	.0008	.00039	.00025	.00126	.00067	.00108
%RSD	19.915	32.573	10.751	375.59	71.303	51.839

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00189	-.00775	.00310	.0023	.2459	.00047
SDev	.0011	.00227	.00148	.0013	.0002	.00017
%RSD	58.329	29.292	48.019	56.76	.0913	37.41

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00725	.00173	.12646
SDev	.00212	.00045	.00037
%RSD	29.296	26.402	.29386

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Method: ICAPNC Sample Name: T39536-1 Operator:
Run Time: 10/14/09 19:14 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00077	.12733	.00052	.03503	.12587	-.00029
SDev	.00012	.00619	.00088	.00015	.00071	.00001
%RSD	15.908	4.8682	168.34	.45335	.567	4.3876

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	11.884	.00001	.00034	.00190	.00767	.19607
SDev	.02481	.00007	.00022	.0004	.00022	.00458
%RSD	.20882	722.08	63.474	21.443	2.8776	2.3394

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.5332	.79801	.03253	.00269	7.562	.00880
SDev	.01526	.00088	.00009	.00013	.031	.00027
%RSD	.60245	.11038	.28703	5.0746	.4095	3.179

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00490	.00086	.00258	.00005	-.00067	-.00040
SDev	.00227	.00061	.00041	.00038	.00172	.00307
%RSD	46.425	70.673	16.092	732.12	256.22	763.29

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00177	-.00829	.00391	.0010	.0433	.00194
SDev	.00114	.0041	.00212	.0014	.0002	.00017
%RSD	64.804	49.418	54.197	140.3	.3798	9.0544

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00562	.00152	.04098
SDev	.00166	.00026	.00016
%RSD	29.62	17.199	.39714

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Method: ICAPNC Sample Name: T39536-2 Operator:
Run Time: 10/14/09 19:20 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00083	.11833	.00029	.04124	.10686	-.00023
SDev	.00017	.00355	.00036	.00073	.00011	.00001
%RSD	21.343	3.0026	122.49	1.7803	.10558	6.216

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	29.583	-.00003	.00002	.00148	.00469	.37025
SDev	.07448	.00007	.00028	.00009	.00021	.00595
%RSD	.25178	186	1118.3	6.0858	4.6119	1.6076

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.87685	1.2703	.01192	.00333	1.959	.00996
SDev	.00278	.00531	0	.00015	.0427	.00069
%RSD	.31729	.41802	.06942	4.6502	2.179	6.9567

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00163	.00030	.00106	.00024	-.00120	-.00051
SDev	.00113	.00119	.00095	.00031	.00055	.00125
%RSD	69.528	393.42	89.702	126.35	46.158	246.28

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00315	-.00710	.00362	.0020	.0530	.00110
SDev	.00084	.00229	.00157	.0006	.0001	.0001
%RSD	26.856	32.268	43.463	29.69	.1047	9.3334

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00575	.00121	.02120
SDev	.00086	.00013	.00004
%RSD	15.037	11.2	.2268

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Method: ICAPNC Sample Name: T39536-3 Operator:
Run Time: 10/14/09 19:27 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00045	.15995	.00047	.06314	.07023	-.00032
SDev	.00003	.00156	.00073	.00016	.00012	.00001
%RSD	8.3668	.97809	154.87	.26782	.18148	4.7908

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	16.167	-.00012	.00029	.00092	.00729	.35564
SDev	.04837	.00004	.00026	.00021	.00002	.00267
%RSD	.29921	34.664	90.281	23.471	.40927	.75325

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.27469	.66155	.01501	.00301	1.233	.00997
SDev	.00683	.00202	.00003	.00017	.0612	.00045
%RSD	2.4867	.30595	.25048	5.6516	4.962	4.5223

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00435	-.00056	.00140	.00087	-.00163	-.00120
SDev	.00301	.00114	.00084	.00139	.00084	.00199
%RSD	69.277	204.05	60.003	160.15	51.568	166.2

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00305	-.00697	.00447	.0015	.0339	.00187
SDev	.00153	.00276	.00157	.0012	.0001	.00027
%RSD	50.197	39.671	35.089	77.6	.1874	14.543

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00801	.00110	.05025
SDev	.0009	.00036	.00002
%RSD	11.236	33.212	.04274

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Method: ICAPNC Sample Name: T39536-4 Operator:
Run Time: 10/14/09 19:33 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00096	.07026	.00123	.03661	.10989	-.00030
SDev	.00032	.00625	.00089	.00015	.00038	.00001
%RSD	33.431	8.8971	72.257	.42286	.35395	4.8715

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.428	.00003	.00035	.00146	.00472	.35980
SDev	.04935	.00009	.00025	.00037	.00022	.00082
%RSD	.16221	306.41	72.141	25.708	4.7434	.22895

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.90860	1.2929	.01351	.00384	2.031	.00924
SDev	.00109	.00057	.00007	.00034	.0437	.00047
%RSD	.1203	.0447	.542	8.9344	2.151	5.1351

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00337	-.00086	.00086	.00030	-.00087	-.00048
SDev	.00125	.00009	.00049	.00071	.00036	.00099
%RSD	37.186	10.53	57.313	232.1	41.847	206.01

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00222	-.00718	.00376	.0010	.0543	.00081
SDev	.00113	.00137	.00094	.0019	.0001	.0001
%RSD	51.121	19.067	25.088	195.2	.2368	12.72

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00682	.00117	.01709
SDev	.00048	.00019	.00002
%RSD	7.1502	16.781	.15663

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Method: ICAPNC Sample Name: T39536-5 Operator:
Run Time: 10/14/09 19:40 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00065	.06726	.00115	.05612	.04224	-.00027
SDev	.00028	.0036	.0006	.0006	.00009	.00001
%RSD	43.042	5.3659	52.282	1.077	.2236	5.7603

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	13.134	.00006	-.00004	.00081	.00852	.12912
SDev	.03004	.00007	.00011	.00033	.00009	.00183
%RSD	.22875	111.68	227.83	40.843	1.1351	1.4227

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.27727	.49791	.01145	.00133	.9316	.00758
SDev	.00496	.00175	.00002	.00051	.0814	.0007
%RSD	1.7922	.3519	.21459	39.025	8.738	9.2909

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00411	-.00084	.00100	.00082	-.00042	.00009
SDev	.00033	.00035	.00023	.00275	.00139	.00235
%RSD	8.2481	41.948	23.29	332.95	328.08	2359.6

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00203	-.00661	.00425	.0019	.0193	.00059
SDev	.00057	.00144	.0037	.001	0	.0001
%RSD	28.116	21.832	86.894	55.22	.0607	17.122

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00665	.00155	.03419
SDev	.00041	.00016	.00005
%RSD	6.302	10.596	.17054

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Method: ICAPNC Sample Name: T39536-6 Operator:
Run Time: 10/14/09 19:46 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00068	.12436	.00177	.04542	.32902	-.00034
SDev	.00029	.00339	.00048	.00064	.00065	.00002
%RSD	42.516	2.7291	27.278	1.4188	.19885	6.9465

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.971	-.00004	.00002	.00162	.00778	.49324
SDev	.0493	.0001	.0002	.00036	.00007	.00566
%RSD	.15921	263.44	786.62	22.16	.936	1.1479

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.7643	3.2954	.04379	.00423	18.29	.01061
SDev	.01914	.00251	.00005	.00057	.1159	.00062
%RSD	.69271	.07625	.12333	13.65	.6335	5.9329

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00488	.00093	.00262	.00125	-.00177	-.00117
SDev	.00103	.00038	.00008	.00053	.00091	.00076
%RSD	21.197	41.029	3.2972	42.523	51.46	65.035

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00353	-.00578	.00446	.0010	.1199	.00206
SDev	.00124	.00042	.00073	.0015	.0002	.00009
%RSD	35.268	7.3251	16.473	148.1	.2053	4.6925

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00774	.00122	.02235
SDev	.00107	.00009	.00017
%RSD	13.824	7.9265	.79202

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 19:54 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25200	39.548	1.9811	2.0205	2.0258	1.9823
SDev	.00028	.07419	.00341	.00249	.00081	.00256
%RSD	.11164	.1876	.17252	.12326	.04032	.12914

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.757	1.9741	1.9473	1.9487	1.9541	39.153
SDev	.02816	.00027	.00236	.00337	.00261	.01553
%RSD	.07083	.01374	.12145	.17319	.13374	.03968

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.893	39.781	1.9542	1.9334	39.71	1.9899
SDev	.01539	.05568	.00138	.01619	.1194	.00058
%RSD	.03859	.13997	.07066	.83786	.3006	.02945

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9622	1.9509	1.9549	1.9722	1.9394	1.9023
SDev	.00138	.0046	.00296	.00706	.05591	.06889
%RSD	.07058	.23591	.15164	.35816	2.8829	3.6217

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0133	2.0389	1.9386	1.849	1.839	1.9860
SDev	.02991	.00278	.01027	.004	.002	.00241
%RSD	1.486	.13635	.53017	.2143	.1104	.12183

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8794	1.9713	1.9930
SDev	.0603	.00227	.00036
%RSD	3.2085	.11564	.0181

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 20:06 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00059	-.00493	.00017	-.00050	.00006	-.00024
SDev	.0002	.00144	.00068	.0001	.00001	.00003
%RSD	34.445	29.283	394.27	21.119	22.335	15.704

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00186	.00002	-.00025	.00045	-.00029	-.00457
SDev	.00046	.00011	.00031	.00031	.00013	.00113
%RSD	24.884	393.09	122.38	69.256	46.819	24.842

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.08115	.00305	.00020	-.00041	.0678	.00047
SDev	.0047	.00147	.00002	.00035	.0151	.00049
%RSD	5.8025	48.157	10.766	86.096	22.22	105.51

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00189	-.00104	-.00110	-.00053	-.00015	.00012
SDev	.0018	.00057	.00071	.00179	.00077	.00093
%RSD	95.113	55.11	64.685	335.13	511.89	750.69

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00125	-.00150	-.00033	.0007	.0000	.00007
SDev	.00095	.00046	.00287	.0004	0	.00017
%RSD	75.943	30.692	857.88	58.76	40.27	247.37

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00057	.00000	.00039
SDev	.00091	.00035	.00006
%RSD	159.03	60079	16.669

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-MB1 Operator:
Run Time: 10/14/09 20:13 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00051	-.00937	.00073	-.00085	.00018	-.00022
SDev	.00023	.00047	.00043	.00024	.00003	.00002
%RSD	46.106	5.0395	59.904	29.305	18.971	12.279

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00132	.00012	.00014	.00040	-.00014	.00011
SDev	.0006	.00007	.00032	.00026	.00027	.00644
%RSD	45.369	62.46	225.76	65.66	191.36	5678.3

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.06322	.00345	.00019	-.00044	.0910	.00082
SDev	.00544	.00136	.00003	.00032	.0661	.00019
%RSD	8.6061	39.355	17.306	73.862	72.62	23.712

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00189	-.00062	-.00081	.00086	-.00075	.00006
SDev	.00101	.0013	.00063	.0006	.00069	.00114
%RSD	53.712	209.79	77.493	70.653	92.087	1872.3

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00293	-.00162	.00182	.0007	.0000	.00000
SDev	.00028	.00107	.00086	.0012	0	.0001
%RSD	9.6072	65.77	47.229	163.2	78.31	1056.2

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00112	.00050	.00046
SDev	.00166	.00022	.00001
%RSD	147.69	45.592	3.0569

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-B1 Operator:
Run Time: 10/14/09 20:19 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.39996	50.744	.39495	.99269	.41131	.39370
SDev	.00045	.09896	.00145	.00164	.00056	.00084
%RSD	.11398	.19502	.36851	.16593	.138	.21358

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	49.545	.38855	.38284	.38750	.40356	48.010
SDev	.07299	.00075	.00088	.00063	.00016	.05674
%RSD	.14733	.19467	.23092	.16511	.04132	.11819

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.941	48.681	.40197	.39607	50.16	.39666
SDev	.038	.06028	.00041	.00282	.2327	.00043
%RSD	.07765	.12383	.1041	.71295	.4639	.10948

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36201	.39837	.38654	.38019	.38507	.38142
SDev	.00106	.00357	.00234	.00166	.00937	.01262
%RSD	.29491	.8975	.60651	.43674	2.4344	3.3095

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39191	.38467	.37772	.3709	.3402	.41688
SDev	.00286	.00201	.00154	.0012	.0005	.00051
%RSD	.73203	.52429	.40962	.312	.1577	.12465

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36108	.39802	.40622
SDev	.01266	.00068	.0008
%RSD	3.5071	.17217	.19736

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38367-1 Operator:
Run Time: 10/14/09 20:25 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00077	.21590	.00090	.00631	.01877	-.00023
SDev	.00018	.00374	.00092	.00064	.00006	.00001
%RSD	23.588	1.7335	101.77	10.15	.32206	7.4094

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8454	.00004	.00020	.00123	.00115	.17409
SDev	.00536	.00006	.00026	.0003	.00018	.01003
%RSD	.11067	141.97	128.5	25.042	15.862	5.7624

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.7185	1.3295	.01525	.00053	2.965	.00186
SDev	.00447	.00097	.00005	.00064	.0471	.00007
%RSD	.26048	.07346	.34303	120.97	1.588	3.8754

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00208	-.00003	.00089	.00054	.00247	.00356
SDev	.00246	.00045	.00052	.00164	.00185	.00202
%RSD	118.11	1203.1	59.251	301.11	74.9	56.712

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00024	-.00469	.00288	.0004	.0204	.00364
SDev	.00155	.00195	.00161	.0003	0	.00017
%RSD	630.13	41.569	56.089	63.63	.1484	4.8441

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00309	.00189	.01580
SDev	.00338	.0002	.00007
%RSD	109.5	10.843	.48618

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-D1 Operator:
Run Time: 10/14/09 20:32 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00075	.23098	-.00001	.00620	.01785	-.00032
SDev	.0002	.00121	.00052	.00061	.00003	.00001
%RSD	26.954	.52528	3265.7	9.9013	.1864	3.129

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.7716	.00003	.00011	.00115	.00122	.17630
SDev	.00675	.00003	.00019	.00029	.00011	.00359
%RSD	.1415	93.098	167.4	25.417	9.5487	2.0371

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.7018	1.3215	.01064	.00050	2.978	.00140
SDev	.00876	.00355	.00005	.00021	.0507	.00009
%RSD	.51482	.26912	.54175	42.416	1.702	7.0363

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00270	-.00119	.00032	.00005	-.00059	.00002
SDev	.00039	.00039	.00036	.00111	.00061	.00075
%RSD	14.506	33.148	115.16	2197.5	103.27	2885

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00238	-.00565	.00262	.0020	.0204	.00364
SDev	.00091	.00123	.00165	.0025	0	.00016
%RSD	38.217	21.863	62.879	124.1	.0263	4.5467

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00392	.00178	.01393
SDev	.00071	.00013	.00006
%RSD	18.125	7.5415	.44131

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-SD1 Operator:
Run Time: 10/14/09 20:38 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00472	.21732	.00164	.00217	.01952	-.00140
SDev	.00051	.0086	.00107	.00144	.00019	.00015
%RSD	10.855	3.9575	65.233	66.365	.98163	10.767

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9209	.00098	.00155	.00503	.00077	.17774
SDev	.01183	.00022	.0017	.00052	.00081	.00687
%RSD	.24055	22.451	109.69	10.345	104.15	3.8675

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.2874	1.3396	.01694	.00107	3.643	.00486
SDev	.01936	.00764	.00025	.00195	.2366	.0008
%RSD	1.504	.57044	1.5143	182.57	6.495	16.448

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00908	-.00160	.00310	L-.00551	L-.01277	-.00975
SDev	.00223	.00417	.00321	.00827	.0046	.00412
%RSD	24.594	260.1	103.58	150.13	36.071	42.329

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02159	-.01324	-.00308	.0079	.0211	.00304
SDev	.006	.01019	.00765	.0043	0	0
%RSD	27.81	76.962	247.84	54.22	.1025	.00813

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00259	.00294	.03562
SDev	.0003	.00218	.00053
%RSD	11.845	74.17	1.492

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-S1 Operator:
Run Time: 10/14/09 20:45 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.38064	51.678	.39888	1.0125	.43103	.40421
SDev	.00041	.28158	.00275	.00325	.0009	.00038
%RSD	.1083	.54488	.69091	.32134	.20888	.09408

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	54.275	.39176	.38731	.39006	.40200	49.425
SDev	.07219	.00019	.00119	.00077	.00209	.08074
%RSD	.133	.05027	.30877	.19904	.52138	.16335

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.318	51.719	.42118	.39602	53.95	.40023
SDev	.22463	.11402	.00042	.00371	.4414	.00058
%RSD	.43773	.22046	.10071	.93745	.8182	.145

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36167	.40498	.39084	.38736	.38646	.38243
SDev	.00296	.00162	.00141	.00046	.00953	.01253
%RSD	.81949	.40049	.3627	.11898	2.4667	3.2787

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39411	.39427	.38368	.3735	.3597	.42616
SDev	.00351	.00239	.00164	.0019	.001	.00129
%RSD	.89189	.60796	.4284	.513	.2765	.30486

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37011	.40063	.42784
SDev	.00846	.0015	.00082
%RSD	2.2879	.37648	.19207

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10399-S2 Operator:
Run Time: 10/14/09 20:51 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.34066	49.080	.37674	.96300	.41096	.38222
SDev	.00068	.24188	.00133	.00334	.00118	.00003
%RSD	.20003	.49283	.35309	.34731	.28806	.00959

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.309	.37131	.36628	.36935	.38223	46.729
SDev	.0883	.00052	.00026	.00049	.00157	.02313
%RSD	.1721	.14089	.07277	.1328	.41147	.0495

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.969	48.870	.39459	.37579	51.15	.37913
SDev	.26706	.06583	.00004	.00129	.3065	.0015
%RSD	.54536	.13471	.01034	.34507	.5992	.39589

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34546	.38323	.37092	.37093	.37072	.36664
SDev	.00164	.00159	.00069	.00109	.00698	.00842
%RSD	.47669	.41531	.18609	.2943	1.8835	2.2983

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.37845	.37787	.36727	.3531	.3434	.40596
SDev	.00449	.00152	.00151	.0007	.0009	.00033
%RSD	1.189	.40355	.41141	.193	.2605	.08159

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.35012	.37868	.40500
SDev	.00675	.00045	.00025
%RSD	1.9298	.12044	.06203

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38367-2 Operator:
Run Time: 10/14/09 20:58 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00074	.00000	.00035	.00441	.01360	-.00024
SDev	.00018	.00315	.00104	.00058	.00004	.00001
%RSD	24.964	57073	294.54	13.137	.30513	6.0448

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.2657	-.00005	-.00017	.00070	.00024	.00035
SDev	.00543	.00006	.00029	.00015	.00025	.00484
%RSD	.23984	111.22	164.13	22.333	104.44	1376.1

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.40150	.85444	.00181	.00079	9.441	.00017
SDev	.00181	.00353	.00002	.00015	.0556	.00011
%RSD	.45225	.41412	1.3328	19.527	.5893	67.682

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00138	.00067	.00113	.00129	.00182	.00271
SDev	.00252	.00028	.00071	.00067	.00104	.00173
%RSD	182.08	41.996	62.772	52.478	57.04	63.882

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00049	-.00334	.00333	.0008	.0061	.00009
SDev	.00051	.00249	.00142	.0005	0	.00017
%RSD	104.31	74.441	42.784	59.21	.2504	194.34

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00600	.00015	.00270
SDev	.00227	.00013	.00011
%RSD	37.826	85.523	4.258

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38368-1 Operator:
Run Time: 10/14/09 21:04 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00060	1.9970	.00713	.00865	.06097	-.00031
SDev	.00069	.00576	.00069	.00093	.00024	.00003
%RSD	113.28	.28866	9.7587	10.804	.39508	10.924

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	11.820	-.00028	.00249	.00288	.00269	5.8395
SDev	.03547	.00017	.00031	.00023	.00014	.01462
%RSD	.30011	62.872	12.633	7.9969	5.3408	.25039

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.76125	6.0827	.36520	.00112	25.28	.00512
SDev	.00871	.0177	.00058	.00032	.1025	.0004
%RSD	1.1444	.29101	.15953	28.425	.4054	7.9011

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00140	.00283	.00166	.00073	.00113	.00287
SDev	.00188	.00147	.00037	.00222	.00144	.00205
%RSD	134.41	52.088	22.736	300.38	127.3	71.376

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00289	-.00431	.00296	.0024	.0497	.04317
SDev	.00087	.00235	.00218	.0005	.0001	.00021
%RSD	30.342	54.576	73.91	22.8	.2867	.50329

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00582	.00434	.05075
SDev	.00129	.00021	.00003
%RSD	22.153	4.8766	.06072

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38368-2 Operator:
Run Time: 10/14/09 21:11 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00062	.01063	.00104	.00889	.00221	-.00032
SDev	.00008	.00605	.00055	.00013	.00005	.00003
%RSD	13.7	56.958	52.569	1.4919	2.3473	11.997

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.0667	.00032	-.00020	.00091	.00010	.04817
SDev	.00598	.00016	.00035	.00027	.00015	.00628
%RSD	.28975	50.466	170.74	29.557	155.94	13.036

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.8028	.79264	.00156	.00058	70.96	.00006
SDev	.0196	.00295	.00001	.00024	.1027	.00049
%RSD	.33784	.37299	.95139	42.962	.1447	753.78

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02754	.02277	.02459	-.00051	-.00027	.00165
SDev	.00101	.00015	.00036	.001	.00089	.00146
%RSD	3.677	.67976	1.4668	195.73	328.36	88.757

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00468	-.00219	.00002	.0024	.0062	-.00015
SDev	.00051	.00069	.00162	.0002	0	.0001
%RSD	11.059	31.616	6823.3	8.149	.3842	67.724

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00390	-.00001	5.7989
SDev	.00089	.00043	.00649
%RSD	22.911	2406.2	.11194

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 21:19 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25236	39.674	1.9833	2.0313	2.0349	1.9794
SDev	.00024	.07708	.00229	.00369	.00158	.00235
%RSD	.09568	.1943	.11579	.18174	.07767	.11915

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.791	1.9807	1.9487	1.9488	1.9595	39.161
SDev	.00302	.00008	.00189	.00176	.00352	.02031
%RSD	.00759	.00406	.09703	.09071	.17988	.05188

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.032	39.759	1.9568	1.9306	39.85	1.9984
SDev	.04263	.03921	.00146	.01436	.0842	.00097
%RSD	.10651	.09862	.07498	.74408	.2112	.04884

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9677	1.9554	1.9598	1.9791	1.9418	1.9008
SDev	.00348	.00425	.00296	.00387	.05724	.07199
%RSD	.17702	.21782	.15116	.19591	2.948	3.7875

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0234	2.0579	1.9395	1.832	1.846	2.0013
SDev	.02871	.00075	.00543	.005	.0006	.00233
%RSD	1.4191	.03684	.28044	.2748	.0322	.11647

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8745	1.9743	1.9910
SDev	.05998	.00153	.00041
%RSD	3.2003	.07793	.02098

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 21:31 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00036	-.00873	.00105	-.00036	.00008	-.00024
SDev	.00011	.00058	.00078	.00028	.00005	.00001
%RSD	32.517	6.7473	74.272	79.702	59.375	6.612

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00169	.00004	.00019	.00034	-.00021	.00143
SDev	.00063	.00011	.00004	.00018	.00011	.00087
%RSD	37.487	255.14	22.355	53.229	52.337	60.698

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05718	.00101	.00021	.00025	.0844	.00063
SDev	.00711	.00074	.00004	.00002	.0783	.00054
%RSD	12.446	73.606	18.733	10.937	92.78	86.335

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00112	-.00102	-.00082	.00090	.00110	.00152
SDev	.00086	.0013	.00078	.00121	.00079	.00087
%RSD	76.48	128.12	95.065	134.2	71.991	57.396

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00028	-.00068	.00141	.0016	.0000	.00006
SDev	.0009	.00191	.00093	.0004	0	.00017
%RSD	317.49	278.52	66.379	22.6	53.19	263.37

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00071	.00030	.00043
SDev	.00062	.00011	.00005
%RSD	88.095	36.829	11.731

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38368-3 Operator:
Run Time: 10/14/09 21:37 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00057	.00177	.00149	.00271	.05832	-.00027
SDev	.00029	.00536	.00051	.00035	.00016	0
%RSD	51.068	301.95	34.704	13.159	.29071	.87884

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	17.914	.00376	.00008	.00200	.00139	.03958
SDev	.01724	.00012	.00015	.00024	.00019	.00319
%RSD	.09626	3.255	174.56	12.214	14.278	8.0704

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.1917	4.2210	.06717	.00044	37.56	.06086
SDev	.0309	.00614	.00005	.00043	.134	.0005
%RSD	.49914	.14566	.08265	96.916	.3567	.83304

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00145	.00063	.00114	.00145	.00053	.00177
SDev	.0004	.00092	.0005	.00109	.00096	.00137
%RSD	27.774	145.45	44.244	75.317	182.03	77.241

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00251	-.00215	.00295	.0013	.0782	-.00001
SDev	.00062	.00057	.00154	.0004	.0001	.0001
%RSD	24.632	26.562	52.185	29.74	.1107	913.13

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00519	.00041	.01729
SDev	.00118	.00025	.00005
%RSD	22.727	60.003	.29085

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38417-2 Operator:
Run Time: 10/14/09 21:44 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00040	.04884	.00431	.06377	.07774	-.00028
SDev	.00029	.00126	.00125	.00087	.00002	.00001
%RSD	72.383	2.5964	29.209	1.3706	.02801	6.0732

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.468	-.00005	.00000	.00234	.00919	.09567
SDev	.02945	.00008	.00026	.00025	.00008	.00386
%RSD	.09666	144.16	9304	10.903	.93496	4.0346

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.9131	7.5776	.01062	.00624	54.23	.00093
SDev	.00552	.01502	.00004	.00018	.1202	.00029
%RSD	.09346	.19823	.46548	3.0258	.2217	31.113

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00023	.00019	.00028	.00121	-.00068	.00036
SDev	.00139	.00182	.00075	.00154	.00214	.00353
%RSD	606.22	929.74	261.09	127.01	312.51	967.64

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00334	-.00287	.00299	.0025	.4095	.00009
SDev	.00068	.00076	.00194	.0002	.0002	.0001
%RSD	20.5	26.551	64.811	9.571	.0441	105.51

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00389	.00617	.00808
SDev	.00067	.00006	.00003
%RSD	17.276	1.1257	.41915

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Method: ICAPNC Sample Name: T39185-2 Operator:
Run Time: 10/14/09 21:50 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00058	.17027	-.00033	.02359	.26357	-.00039
SDev	.00009	.00287	.00064	.00083	.00026	.00003
%RSD	15.82	1.6902	190.03	3.548	.10121	8.8269

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	304.02	-.00002	.00012	.00202	.00199	.01350
SDev	.07922	.00003	.00013	.00014	.00023	.00267
%RSD	.02605	164.34	110.79	7.1042	11.906	19.82

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H545.54	.02358	.04737	.00443	H327.7	.00219
SDev	3.5708	.00221	.00005	.00026	1.849	.00048
%RSD	.65455	9.4096	.11098	6.038	.5644	22.054

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00175	.00227	.00235	.00210	.00055	.00209
SDev	.0007	.00092	.00038	.00097	.00074	.00088
%RSD	40.216	40.793	16.464	46.054	133.84	42.182

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00310	-.00386	.00491	.0016	H9.110	.00132
SDev	.00081	.00164	.00079	.0007	.0067	.0001
%RSD	26.374	42.671	16.185	43.19	.0732	7.6258

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00359	.00081	-.00397
SDev	.00268	.00004	.00012
%RSD	74.48	5.4175	3.0809

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Method: ICAPNC Sample Name: T39185-4 Operator:
Run Time: 10/14/09 21:56 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00054	.39755	.01131	.01328	.27737	-.00037
SDev	.00019	.00348	.00147	.00032	.00021	.00003
%RSD	36.548	.87771	13.044	2.4278	.07617	10.387

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	473.81	.00000	.00023	.00179	.00137	-.01927
SDev	1.5496	.00004	.00034	.00047	.00021	.00202
%RSD	.32705	426.03	144.3	26.276	15.733	10.479

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H504.78	.01289	.00093	.02067	H389.3	.00883
SDev	2.7962	.00192	.00001	.00027	1.384	.00018
%RSD	.55393	14.958	1.9794	1.3373	.3556	2.139

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00015	.00198	.00165	.00578	.00151	.00272
SDev	.00188	.001	.00014	.00104	.00106	.00161
%RSD	1245	50.629	8.9191	18.126	70.308	59.369

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00150	-.00227	.00967	.0022	H11.65	.00106
SDev	.00028	.00223	.00155	.0008	.0042	.00002
%RSD	18.879	98.093	16.026	35.13	.0361	2.1285

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00453	.01806	-.00914
SDev	.00045	.00025	.00008
%RSD	10	1.3999	.97851

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Method: ICAPNC Sample Name: T39185-6 Operator:
Run Time: 10/14/09 22:03 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00058	.41350	.02430	.26212	.04037	-.00039
SDev	.00007	.00087	.00123	.00111	.00006	.00008
%RSD	12.664	.21229	5.0914	.42721	.1589	20.727

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	12.994	.00003	.00007	.00087	.00261	.23954
SDev	.10849	.00005	.00139	.00011	.00084	.01861
%RSD	.835	182.1	1989	12.926	32.114	7.772

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	C.00000	20.406	.01597	.04358	H1147.	.00475
SDev	0	.12768	.00011	.0012	2.051	.00014
%RSD	0	.62569	.69396	2.7616	.1788	3.1017

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00347	-.00138	.00050	.00158	-.00239	-.00230
SDev	.00941	.00491	.00105	.00285	.00289	.0066
%RSD	270.9	355.17	208.39	180.23	121.05	286.52

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00318	.00043	.00184	.0005	.4292	.00382
SDev	.00452	.00845	.00267	.0012	.0007	.00048
%RSD	142.18	1921.6	144.87	245.4	.154	12.76

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00279	.03060	.00725
SDev	.00272	.00131	.00035
%RSD	97.604	4.2998	4.8457

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Method: ICAPNC Sample Name: T39185-8 Operator:
Run Time: 10/14/09 22:09 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00074	.55537	.02532	.26615	.04168	-.00046
SDev	.00024	.0018	.00145	.00118	.00001	0
%RSD	32.746	.32582	5.7624	.44688	.03988	1.2798

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	13.412	-.00003	.00053	.00120	.00310	.33142
SDev	.00924	.00007	.00027	.00006	.00013	.00486
%RSD	.06894	247.62	52.457	5.7098	4.3127	1.4691

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	C.00000	20.086	.01726	.04366	H1151.	.00410
SDev	0	.01503	.00001	.00087	3.613	.00038
%RSD	0	.07485	.0853	1.9941	.314	9.4944

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00054	-.00152	-.00079	.00042	-.00237	-.00179
SDev	.00198	.00078	.00086	.00036	.00105	.00217
%RSD	367.49	51.471	108.14	86.694	44.508	121.68

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00415	.00077	-.00007	.0010	.4277	.00502
SDev	.0012	.00174	.00128	.0012	.0001	.0001
%RSD	28.959	226.93	1679.3	120.5	.0258	2.1302

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00131	.03201	.00542
SDev	.00122	.00013	.00009
%RSD	93.13	.40816	1.8198

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Method: ICAPNC Sample Name: T39185-10 Operator:
Run Time: 10/14/09 22:16 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00075	.00032	.00055	.01186	.12144	-.00022
SDev	.00023	.0037	.00168	.00017	.00028	.00002
%RSD	30.437	1134.4	305.28	1.5085	.23364	13.281

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	3.8938	-.00003	.00025	.00069	.00055	.01202
SDev	.00889	.00009	.0002	.0004	.00008	.00286
%RSD	.22851	245.64	78.954	58.291	15.037	23.85

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.1296	1.9278	.00478	-.00027	5.830	.00109
SDev	.01192	.00628	.00004	.00026	.0705	.00024
%RSD	.55985	.32584	.96487	97.162	1.209	22.674

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00076	-.00111	-.00026	.00165	-.00169	-.00080
SDev	.0014	.00061	.00087	.00188	.00048	.00065
%RSD	183.45	55.101	325.81	113.92	28.905	81.683

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00402	-.00355	.00398	.0016	.0433	-.00007
SDev	.00108	.00122	.00231	.0004	0	.00017
%RSD	27.052	34.382	58.069	26.76	.0648	239.83

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00378	.00032	.01591
SDev	.00107	.00026	.00004
%RSD	28.435	80.573	.29943

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Method: ICAPNC Sample Name: T39185-12 Operator:
Run Time: 10/14/09 22:22 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00090	32.882	.08049	.14796	.12160	.00114
SDev	.00028	.12407	.00162	.00047	.00003	.00001
%RSD	32.077	.37731	2.0192	.31795	.03175	1.0784

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	20.487	-.00074	.00988	.03174	.01779	24.210
SDev	.01137	.00013	.0001	.00029	.00008	.01961
%RSD	.0555	18.003	1.1071	.93797	.50448	.081

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H128.78	11.740	.24744	.04371	H420.6	.03437
SDev	.3077	.00424	.00006	.00052	2.472	.00035
%RSD	.23893	.03615	.02499	1.1897	.5878	1.0341

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00632	.02683	.01611	.00034	.00014	.00318
SDev	.00153	.00076	.00057	.00014	.0001	.00033
%RSD	24.192	2.8641	3.5988	41.85	67.706	10.525

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00645	-.00406	.00227	.0048	.1450	.23499
SDev	.00037	.0028	.0016	.0013	0	.00012
%RSD	5.7566	68.847	70.822	26.89	.0281	.05178

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00468	.18552	.05768
SDev	.00123	.00036	.00012
%RSD	26.407	.19749	.21897

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Method: ICAPNC Sample Name: T39185-14 Operator:
Run Time: 10/14/09 22:29 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00079	9.6800	.08769	.11617	.02528	.00016
SDev	.00023	.03221	.00021	.0009	.00006	.00006
%RSD	30.247	.33284	.24733	.77499	.27501	39.928

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.3110	-.00087	.00168	.00924	.01506	7.7521
SDev	.02729	.00005	.00028	.0004	.0004	.01063
%RSD	.43248	6.1981	17.04	4.3533	2.709	.13716

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H273.03	2.7891	.10153	.01487	H426.5	.01420
SDev	1.2306	.00796	.00019	.00064	.9827	.00034
%RSD	.45071	.28545	.19425	4.3043	.2304	2.4052

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00471	.01813	.01396	.00597	.00309	.00684
SDev	.00169	.00016	.00046	.00152	.00036	.00062
%RSD	35.833	.91448	3.3581	25.453	11.834	9.0764

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00497	.00311	.00709	.0063	.0324	.08035
SDev	.00025	.00154	.00291	.0002	.0001	.00018
%RSD	5.1958	49.478	41.094	3.784	.3636	.23346

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00551	.06101	.01801
SDev	.00104	.00053	.00002
%RSD	19.021	.8848	.15576

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Method: ICAPNC Sample Name: T39185-16 Operator:
Run Time: 10/14/09 22:35 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00117	11.668	.02847	.25298	.28530	-.00001
SDev	.00069	.05801	.00147	.00109	.00067	.00004
%RSD	59.434	.49721	5.1828	.43329	.23828	265.68

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	46.228	-.00010	.00530	.01150	.00782	7.2150
SDev	.06935	.00006	.0005	.00054	.00035	.00962
%RSD	.15003	61.721	9.551	4.7399	4.5734	.1334

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H123.03	35.283	.24429	.01014	H556.4	.01071
SDev	.72432	.10014	.00027	.00027	3.064	.00085
%RSD	.58874	.28383	.11277	2.7	.5507	7.9724

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00211	.00683	.00415	.00281	-.00067	.00080
SDev	.00188	.00064	.001	.00032	.00087	.00084
%RSD	89.264	9.419	24.255	11.6	129.69	105.09

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00419	-.00223	.00503	.0040	.4568	.09661
SDev	.00096	.0008	.00057	.0014	.0009	.00026
%RSD	22.973	35.795	11.36	35.01	.202	.27525

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00417	.03546	.01698
SDev	.00245	.00003	.00007
%RSD	58.67	.09879	.44217

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 22:43 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25448	40.230	1.9969	2.0455	2.0592	1.9949
SDev	.00095	.15413	.00475	.00428	.00619	.00124
%RSD	.37603	.38312	.23818	.20948	.30077	.06218

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.883	1.9912	1.9591	1.9606	1.9858	39.384
SDev	.03912	.00072	.00056	.00121	.00638	.02641
%RSD	.09809	.03657	.02903	.06186	.32158	.06706

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.296	40.081	1.9671	1.9354	40.46	2.0046
SDev	.21522	.03959	.00065	.01128	.2136	.0033
%RSD	.5341	.09877	.03333	.58284	.5279	.16478

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9838	1.9700	1.9749	2.0055	1.9534	1.9089
SDev	.003	.0058	.0035	.0017	.05454	.06875
%RSD	.15133	.29441	.17743	.08491	2.7924	3.602

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0421	2.0744	1.9709	1.829	1.863	2.0134
SDev	.02608	.00608	.00327	.0032	.0065	.00233
%RSD	1.2775	.29327	.16613	.1758	.3502	.11602

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8927	1.9910	1.9951
SDev	.06081	.00102	.00281
%RSD	3.2133	.05166	.14094

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 22:55 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00058	.03268	-.00026	-.00069	.00013	-.00032
SDev	.00024	.05946	.00056	.00037	.00002	.00001
%RSD	42.284	181.91	214.48	53.908	18.545	5.2926

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00056	.00000	-.00009	.00050	.00008	.00061
SDev	.00059	.00014	.00023	.00024	.00025	.00174
%RSD	106.98	2288.8	245.53	48.595	301.07	283.86

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09570	.00475	.00022	.00010	.0415	.00039
SDev	.00076	.00314	.00004	.00005	.0522	.00033
%RSD	.8001	66.177	19.451	53.444	125.8	85.561

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00106	-.00047	-.00046	.00008	.00198	.00315
SDev	.0012	.00095	.0008	.00149	.00124	.00161
%RSD	113.58	200.38	174.67	1713	62.975	51.276

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00092	-.00318	.00144	.0007	.0000	.00018
SDev	.00173	.00138	.00181	.0011	0	.0001
%RSD	187.61	43.373	125.89	159.6	71.01	54.501

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00137	.00017	.00048
SDev	.00124	.00028	.00005
%RSD	90.972	161.37	11.996

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Method: ICAPNC Sample Name: T39185-18 Operator:
Run Time: 10/14/09 23:02 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00081	.03816	-.00063	.00159	.00341	-.00030
SDev	.00026	.00874	.00068	.00033	.00007	.00002
%RSD	32.169	22.916	107.13	20.978	2.1504	8.7164

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.10820	.00020	-.00057	.00080	.00025	.01590
SDev	.00188	0	.00062	.00009	.0004	.00883
%RSD	1.7434	3.926	108.33	11.864	162.8	55.553

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.08269	.01206	.00545	-.00032	.1535	.00034
SDev	.00983	.00541	.00003	.00062	.028	.00033
%RSD	11.896	44.841	.58856	188.81	18.22	96.21

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00543	-.00321	-.00002	.00040	-.00185	-.00252
SDev	.00293	.00332	.00117	.00153	.00177	.00342
%RSD	53.958	103.41	5592.5	381.78	95.776	135.67

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00105	-.00324	.00192	.0005	.0016	.00019
SDev	.00154	.00368	.00297	.0011	0	.0001
%RSD	146.67	113.53	154.44	222.6	1.888	53.121

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00436	-.00008	.00164
SDev	.00088	.00059	.0001
%RSD	20.246	681.21	6.092

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Method: ICAPNC Sample Name: T39187-1 Operator:
Run Time: 10/14/09 23:08 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00070	.31196	.02014	.41402	.06067	-.00041
SDev	.00008	.00366	.00079	.00115	.00004	.00003
%RSD	12.106	1.1742	3.9368	.27887	.0759	9.4774

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	520.65	.00000	.00167	.00239	.00180	4.1503
SDev	.40704	.00013	.00049	0	.00018	.01175
%RSD	.07817	2935.3	29.662	.29546	10.315	.28323

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	16.957	69.529	.51752	.01026	92.80	.00391
SDev	.01324	.08666	.00056	.00021	.4285	.00012
%RSD	.08247	.12465	.10863	2.072	.4617	3.2831

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00316	.00415	.00203	.00404	.00090	.00294
SDev	.00159	.00039	.00057	.0005	.0013	.00176
%RSD	50.479	9.5023	28.116	12.469	143.49	59.963

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00371	-.00432	.00812	.0025	H9.343	.00920
SDev	.00071	.00094	.00113	.0013	.0213	.00012
%RSD	19.286	21.848	14.013	50.16	.2279	1.3641

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00424	.00071	-.00960
SDev	.00255	.00031	.00007
%RSD	60.212	43.846	.75908

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Method: ICAPNC Sample Name: T39187-2 Operator:
Run Time: 10/14/09 23:15 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00093	.06388	.03595	.97484	.03206	-.00051
SDev	.00008	.00579	.00133	.0013	.0001	.00006
%RSD	8.9134	9.0747	3.7033	.13384	.34292	13.397

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	486.94	.00097	.00339	.00169	.00354	5.3912
SDev	1.3591	.00003	.00031	.0001	.00002	.00442
%RSD	.27911	3.1063	9.3376	5.9222	.65121	.08211

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.495	444.78	.71088	.02334	H522.2	.00927
SDev	.13629	1.0516	.00057	.00043	1.96	.00048
%RSD	.32847	.23642	.08137	1.8558	.3754	5.1838

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00318	.00529	.00283	.00335	.00224	.00535
SDev	.00115	.00089	.00082	.00127	.00057	.00065
%RSD	36.169	16.824	28.974	37.904	25.773	12.192

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00429	-.00723	.00866	.0020	H11.80	.00294
SDev	.00044	.00109	.00193	.001	.0163	.00012
%RSD	10.325	15.108	22.39	52.07	.1383	4.2982

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00324	.00038	-.00796
SDev	.00156	.00024	.00009
%RSD	48.268	64.007	1.2518

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Method: ICAPNC Sample Name: T39187-3 Operator:
Run Time: 10/14/09 23:21 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00023	.04534	.01794	1.2141	.04229	-.00049
SDev	.00004	.00244	.00069	.00335	.00014	.00001
%RSD	16.73	5.3882	3.862	.27601	.35405	3.0523

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	191.77	.00113	.00013	.00165	.00480	.14024
SDev	1.0206	.00012	.00014	.00023	.00014	.00378
%RSD	.53219	10.67	107.42	13.993	3.0481	2.6979

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	45.638	67.322	.16553	.00306	H839.3	.00179
SDev	.2253	.21287	.0005	.00022	1.124	.0004
%RSD	.49368	.3162	.30483	7.3473	.1339	22.572

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00022	.00062	.00072	.00288	-.00030	.00011
SDev	.00158	.00057	.00019	.00157	.00066	.00195
%RSD	707.22	92.786	27.713	54.777	217.39	1720.3

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00168	-.00239	.00530	.0014	3.687	.00226
SDev	.00194	.00146	.00294	.0013	.008	.00011
%RSD	115.59	61.172	55.502	88.94	.2157	5.0394

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00441	.00198	-.00195
SDev	.00172	.0001	.00014
%RSD	38.992	5.4591	7.3461

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Method: ICAPNC Sample Name: T39187-4 Operator:
Run Time: 10/14/09 23:28 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00096	.08478	.08732	3.7177	.03107	-.00063
SDev	.00038	.00893	.00127	.01669	.00011	.00007
%RSD	39.935	10.536	1.4615	.44904	.37961	11.595

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	467.11	-.00003	.00354	.00531	.00253	14.523
SDev	2.5416	0	.00016	.00045	.00033	.05326
%RSD	.54411	8.708	4.6285	8.5076	13.182	.36672

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	65.286	78.804	.31596	.00452	H2124.	.02289
SDev	.87318	.08708	.00069	.00059	12.01	.00088
%RSD	1.3375	.1105	.22065	13.094	.5655	3.8702

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00759	.00684	.00232	.01322	.00251	.00409
SDev	.0036	.0007	.00071	.00169	.00087	.00212
%RSD	47.47	10.269	30.932	12.785	34.601	51.84

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00124	.00860	.01542	.0075	H9.619	.00447
SDev	.00221	.00306	.00152	.0006	.0427	.00025
%RSD	178.28	35.638	9.9139	7.604	.4444	5.7611

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00739	.00737	-.00553
SDev	.00092	.00026	.00008
%RSD	12.461	3.5372	1.6163

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/14/09 23:36 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25535	40.436	2.0045	2.0613	2.0679	2.0021
SDev	.00043	.05605	.00399	.00176	.00137	.00098
%RSD	.17032	.13862	.19908	.0854	.06667	.04929

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.964	1.9990	1.9689	1.9701	1.9954	39.585
SDev	.0609	.00259	.00138	.00287	.00173	.03435
%RSD	.1524	.12958	.07031	.14583	.08699	.08679

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.466	40.334	1.9770	1.9414	40.80	2.0149
SDev	.07836	.04041	.00153	.01353	.1375	.0008
%RSD	.19364	.10021	.07773	.69704	.3369	.03982

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9878	1.9802	1.9830	2.0061	1.9524	1.9057
SDev	.00581	.00445	.00411	.00624	.05909	.07613
%RSD	.29232	.22493	.20754	.31132	3.0267	3.9949

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0454	2.0820	1.9679	1.832	1.867	2.0163
SDev	.0251	.00438	.00764	.0061	.0004	.00087
%RSD	1.2274	.21037	.38863	.3338	.0238	.0435

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9041	2.0014	2.0026
SDev	.05501	.00074	.00273
%RSD	2.8894	.03737	.13672

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/14/09 23:47 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00027	-.00786	-.00011	-.00034	.00001	-.00029
SDev	.00006	.0025	.00074	.00046	.00008	.00001
%RSD	23.024	31.796	674.38	135.12	542.15	4.9399

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00227	-.00003	-.00033	.00039	-.00035	-.00842
SDev	.00129	.00008	.00098	.00015	.00038	.01509
%RSD	57.014	213.74	290.87	39.33	108.53	179.21

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09003	-.00184	.00025	-.00043	.0291	.00051
SDev	.00438	.005	.00002	.0003	.0498	.00028
%RSD	4.8714	270.75	9.7211	69.39	170.9	54.6

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00026	-.00140	-.00081	.00003	.00084	.00089
SDev	.00047	.0004	.00028	.00127	.00078	.00212
%RSD	177.96	29.104	35.303	4074.6	93.269	236.93

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00017	-.00093	.00023	-.0005	.0000	-.00016
SDev	.0019	.0009	.00146	.0005	0	.0001
%RSD	1077.2	97.224	621.23	95.97	1664000	65.701

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00101	-.00019	.00071
SDev	.00166	.00058	.00007
%RSD	163.79	297.44	10.964

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Method: ICAPNC Sample Name: MP10433-MB1 Operator:
Run Time: 10/14/09 23:54 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00017	.07692	.00658	.08820	.08596	-.00056
SDev	.00094	.00125	.00057	.00099	.0001	.00003
%RSD	533.4	1.6319	8.6998	1.131	.12648	5.4391

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.64827	-.00005	.00007	.00074	.00486	-.00172
SDev	.00377	.00016	.00014	.00066	.00013	.00396
%RSD	.58223	311.9	188.08	88.964	2.7365	230.12

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.14564	.10360	.00185	.00002	1165.	.00028
SDev	.00782	.00146	.0001	.00051	1.945	.0009
%RSD	5.3732	1.4113	5.5163	1930.2	.167	317.37

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00055	-.00002	.00050	.01071	.00021	.00136
SDev	.00372	.00242	.00049	.00176	.00152	.00358
%RSD	671.11	10055	97.968	16.43	702.2	263.6

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00265	.00639	.01254	.0114	.0016	-.00001
SDev	.0027	.00396	.00278	.0038	0	.0001
%RSD	101.73	62.018	22.201	33.48	.3698	739.73

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.01660	.00036	.04785
SDev	.00499	.0001	.00006
%RSD	30.114	29.98	.13874

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Method: ICAPNC Sample Name: MP10433-B1 Operator:
Run Time: 10/15/09 00:00 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.04886	46.509	1.8545	.08611	5.1093	.04448
SDev	.00033	.04732	.0021	.00021	.01265	.00011
%RSD	.68552	.10175	.11346	.2523	.24763	.24986

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.63395	.04604	.45535	.17919	.23891	-.00874
SDev	.0021	.0001	.00071	.00066	.00048	.00497
%RSD	.33252	.23762	.15652	.37086	.20387	56.842

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.15674	.09549	.46021	.17893	1114.	.44117
SDev	.00727	.00279	.00041	.00169	.9148	.00072
%RSD	4.6407	2.9222	.09117	.94787	.0821	.16516

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.3514	1.3304	1.3377	1.8508	.40498	.39636
SDev	.00213	.00533	.00416	.00702	.01227	.01568
%RSD	.15773	.40068	.31152	.37963	3.0302	3.9567

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.42166	1.9141	1.8189	.0087	.0016	-.00025
SDev	.00569	.00662	.01105	.0003	0	.0001
%RSD	1.3507	.34609	.60753	2.99	.4363	43.043

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7099	.42826	.51987
SDev	.06265	.00008	.00035
%RSD	3.6641	.02075	.06794

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Method: ICAPNC Sample Name: T39315-1 Operator:
Run Time: 10/15/09 00:07 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00050	2.3166	.01216	.16424	.53869	-.00015
SDev	.00029	.00339	.0011	.00058	.00021	.00001
%RSD	59.055	.14662	9.0417	.35569	.04052	7.4913

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.657	.00012	.00084	.00228	.00420	1.0915
SDev	.05122	.00017	.00017	.00022	.00019	.00653
%RSD	.09546	137.8	20.749	9.8323	4.7099	.59846

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8669	7.4744	.28757	.00047	H1162.	.00410
SDev	.00994	.01299	.00026	.00054	2.887	.00028
%RSD	.20434	.17382	.09214	114.19	.2485	6.9673

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00230	.00162	.00224	.01253	.00316	.00458
SDev	.00092	.00118	.00055	.0025	.00225	.00214
%RSD	40.359	72.589	24.509	19.972	71.275	46.747

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00028	.00945	.01376	.0127	.1799	.01323
SDev	.00295	.00172	.00425	.0001	.0001	.00013
%RSD	1034.5	18.217	30.891	.636	.0289	1.0411

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01107	.00514	.17964
SDev	.00853	.00012	.00017
%RSD	77.025	2.4025	.09763

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Method: ICAPNC Sample Name: MP10433-D1 Operator:
Run Time: 10/15/09 00:13 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00065	2.3079	.01156	.16161	.52850	-.00009
SDev	.00005	.01205	.00057	.00063	.00149	.00002
%RSD	7.7049	.52253	5.0076	.39031	.28319	25.399

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	52.653	.00024	.00061	.00255	.00396	1.0849
SDev	.19152	.00008	.00056	.00034	.00027	.0107
%RSD	.36374	34.02	91.566	13.595	6.9226	.98714

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7449	7.3258	.28258	-.00031	H1149.	.00406
SDev	.036	.02058	.00053	.00046	1.978	.00054
%RSD	.75886	.28102	.18762	147.39	.1721	13.377

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00238	.00159	.00224	.01168	-.00034	.00119
SDev	.00094	.00149	.00096	.00259	.00047	.00057
%RSD	39.442	93.932	42.719	22.181	137.57	48.124

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00402	.00834	.01304	.0132	.1765	.01330
SDev	.00099	.00117	.0043	.0006	.0004	.00029
%RSD	24.856	14.133	33.015	4.897	.207	2.1844

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01701	.00482	.17616
SDev	.0029	.00058	.00029
%RSD	17.048	12.233	.16493

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Method: ICAPNC Sample Name: MP10433-SD1 Operator:
Run Time: 10/15/09 00:20 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00333	2.6027	.01305	.16598	.55408	-.00132
SDev	.00131	.01099	.00273	.00133	.00026	.00004
%RSD	39.35	.42239	20.952	.80199	.04856	3.3101

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.889	.00051	.00085	.00375	.00370	1.1382
SDev	.18096	.00024	.00196	.00194	.00129	.00679
%RSD	.3358	47.361	230.48	51.819	35.049	.59667

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.0489	7.8535	.29565	-.00160	H1438.	.00860
SDev	.05347	.03481	.00063	.00193	2.382	.00394
%RSD	1.754	.44336	.21423	120.15	.1656	45.805

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00379	-.00156	-.00122	.01251	L-.00662	-.00297
SDev	.00442	.00295	.00293	.0023	.00303	.00462
%RSD	116.61	188.83	239.94	18.454	45.778	155.48

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01672	.00619	.01424	.0160	.1844	.03485
SDev	.00058	.00881	.00447	.0052	.0001	.0011
%RSD	3.4889	142.4	31.44	32.71	.0546	3.1803

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01664	.00717	.19433
SDev	.00646	.00131	.00118
%RSD	38.86	18.392	.60933

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Method: ICAPNC Sample Name: MP10433-S1 Operator:
Run Time: 10/15/09 00:26 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.04949	50.089	1.9005	.16051	5.6151	.04569
SDev	.00025	.15409	.00606	.00038	.01865	.00004
%RSD	.51328	.30763	.31936	.24227	.33225	.10533

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.008	.04669	.46161	.18279	.24722	.99945
SDev	.0467	.00015	.00109	.00018	.0011	.00571
%RSD	.09155	.33321	.23745	.10123	.44689	.57228

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.5418	7.0835	.73388	.36143	H1112.	.45042
SDev	.02299	.0187	.00078	.00152	1.605	.00043
%RSD	.50639	.26412	.10673	.42222	.1443	.09624

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8359	1.8016	1.8133	1.9008	.44322	.43271
SDev	.00192	.00207	.00125	.00527	.01176	.01472
%RSD	.10472	.11527	.06903	.27751	2.6552	3.4029

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.46370	1.9691	1.8665	.0086	.1719	.01183
SDev	.00594	.0107	.00794	.0008	.0005	.00009
%RSD	1.2824	.54343	.42571	9.537	.295	.80817

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7307	.46713	.66317
SDev	.0492	.00047	.0013
%RSD	2.8428	.10207	.19673

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Method: ICAPNC Sample Name: MP10433-S2 Operator:
Run Time: 10/15/09 00:33 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05159	51.844	1.9651	.16535	5.6152	.04733
SDev	.00006	.03848	.00228	.00144	.00309	.00004
%RSD	.13224	.07423	.11605	.87494	.05515	.08837

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	52.958	.04793	.47628	.18909	.25554	1.0960
SDev	.04706	.00003	.00047	.00026	.00027	.00364
%RSD	.08886	.0694	.09961	.13993	.10741	.33275

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7573	7.3366	.75931	.37447	H1147.	.46323
SDev	.00746	.01073	.00043	.00262	1.795	.00135
%RSD	.15693	.14633	.05702	.70117	.1565	.29167

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8923	1.8614	1.8720	1.9759	.46433	.45450
SDev	.00294	.00656	.00441	.01065	.01147	.01454
%RSD	.15581	.35253	.23578	.53941	2.4718	3.2011

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.48342	2.0454	1.9409	.0112	.1779	.01294
SDev	.00541	.00651	.01299	.0015	.0001	.00017
%RSD	1.1202	.31838	.6696	13.13	.0658	1.3652

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7899	.48341	.68721
SDev	.05564	.00058	.00053
%RSD	3.109	.12193	.07765

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Method: ICAPNC Sample Name: T39074-1A Operator:
Run Time: 10/15/09 00:39 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00062	.23848	.01133	.32121	.67286	-.00044
SDev	.00006	.00785	.00141	.00064	.00094	.00001
%RSD	10.028	3.2927	12.476	.20005	.14061	3.5491

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	13.882	.00264	.00436	.00391	.01807	.79179
SDev	.03073	.00014	.0002	.00018	.00021	.00443
%RSD	.22141	5.5621	4.7146	4.8157	1.1885	.56005

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.3143	1.3883	.11612	.00311	H1158.	.06202
SDev	.01246	.00313	.00025	.0002	4.345	.00014
%RSD	.53866	.22576	.21876	6.6666	.3753	.22725

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00239	.00082	.00155	.01567	.00402	.00498
SDev	.00097	.00168	.00085	.00092	.00313	.00325
%RSD	40.607	204.65	54.569	5.9208	77.8	65.277

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00150	.01524	.01560	.0186	.0440	.00078
SDev	.0029	.00193	.00119	.0021	0	.0001
%RSD	192.64	12.682	7.6435	11.36	.0864	13.778

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01640	.00061	.76271
SDev	.00993	.00035	.00048
%RSD	60.525	57.526	.06347

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Method: ICAPNC Sample Name: T39190-1 Operator:
Run Time: 10/15/09 00:46 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00104	.51155	.00737	.23579	1.1852	.00016
SDev	.0011	.00933	.00086	.00111	.00158	.00001
%RSD	106.02	1.8246	11.778	.47195	.13332	8.7764

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	294.90	.00072	.01276	.00414	.00682	.67675
SDev	.88433	.00026	.00012	.00089	.00035	.00572
%RSD	.29987	36.858	.96444	21.634	5.1604	.84598

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7728	16.928	2.8053	.00166	H1205.	.02870
SDev	.03348	.00796	.00518	.00045	7.362	.00054
%RSD	.70156	.04704	.18486	27.292	.6108	1.9125

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00917	.00829	.00886	.01244	.00103	.00237
SDev	.00426	.00401	.0013	.00087	.00171	.00345
%RSD	46.513	48.432	14.693	7.0679	166.22	145.4

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00223	.00881	.01405	.0139	.4376	.00085
SDev	.00205	.00377	.00288	.0048	.0004	.0001
%RSD	92.038	42.877	20.525	34.37	.0973	12.684

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01531	.00222	1.5878
SDev	.00487	.00031	.00091
%RSD	31.847	13.96	.05759

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Method: ICAPNC Sample Name: T39191-1 Operator:
Run Time: 10/15/09 00:52 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00076	.17195	.01235	.27282	.89484	.00000
SDev	.00029	.00161	.00085	.00102	.00054	0
%RSD	38.263	.93699	6.9025	.37703	.06085	259.25

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	16.520	.00104	.00055	.00163	.00919	.02573
SDev	.00787	.0001	.00025	.00009	.0001	.00305
%RSD	.04765	10.383	46.295	5.8038	1.1217	11.884

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.1795	2.4848	.08208	-.00019	H1167.	.00475
SDev	.00288	.00345	0	.00053	2.129	.00043
%RSD	.09089	.13892	.01213	275.52	.1824	9.0391

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01882	.01277	.01518	.00955	-.00132	-.00099
SDev	.00146	.00042	.00038	.00078	.00082	.00191
%RSD	7.7993	3.3213	2.5298	8.1789	62.225	192.7

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00257	.00724	.01037	.0130	.0602	.00043
SDev	.00136	.00091	.00075	.0018	0	.0001
%RSD	52.926	12.678	7.2995	14.01	.0627	24.583

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01582	.00059	.49102
SDev	.00385	.00031	.00034
%RSD	24.334	53.799	.07047

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 01:00 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24999	39.407	1.9572	2.0149	2.0256	1.9648
SDev	.00606	1.0072	.04715	.04711	.05307	.05022
%RSD	2.425	2.5558	2.4094	2.3385	2.6201	2.5564

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.286	1.9655	1.9232	1.9293	1.9479	38.778
SDev	1.0467	.05219	.0491	.05099	.04844	1.0869
%RSD	2.6643	2.6557	2.5532	2.6433	2.4873	2.8029

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.451	39.323	1.9368	1.8922	39.69	1.9744
SDev	.90768	1.0251	.05064	.04205	.9164	.05353
%RSD	2.3008	2.6069	2.6149	2.2225	2.309	2.7115

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9537	1.9561	1.9556	1.9692	1.9076	1.8561
SDev	.02893	.04589	.03999	.0363	.04254	.05612
%RSD	1.4809	2.3464	2.0453	1.8438	2.2304	3.0237

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0102	2.0332	1.9370	L1.770	1.834	1.9812
SDev	.02267	.03103	.03921	.045	.0498	.05128
%RSD	1.1278	1.5265	2.0244	2.544	2.714	2.5884

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8625	1.9610	1.9622
SDev	.05239	.05144	.04941
%RSD	2.8134	2.6235	2.5184

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 01:10 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00078	-.00062	.00040	-.00001	.00010	-.00031
SDev	.00018	.00217	.00141	.00061	.00003	.00001
%RSD	22.942	346.87	345.58	5676.5	32.849	3.2696

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00171	.00003	.00007	.00051	-.00012	-.00518
SDev	.00066	.00004	.00009	.00037	.00004	.00751
%RSD	38.818	107.01	136.38	72.415	38.766	145.03

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.10480	.00516	.00022	.00039	.0507	.00076
SDev	.0051	.00153	.00002	.00043	.0837	.00047
%RSD	4.8741	29.691	9.4499	109.23	164.9	62.384

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00034	-.00066	-.00034	-.00112	.00160	.00247
SDev	.00171	.00184	.00107	.00091	.00174	.00247
%RSD	503.57	276.07	308.96	81.471	108.66	99.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00070	-.00350	-.00021	.0014	.0000	.00019
SDev	.00127	.00211	.00111	.0017	0	.00026
%RSD	181.22	60.376	511.35	119.9	50.07	139.4

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00004	.00026	.00053
SDev	.00152	.00009	.00011
%RSD	3186.7	36.706	20.598

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Method: ICAPNC Sample Name: T39286-2 Operator:
Run Time: 10/15/09 01:17 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00070	.08988	.01265	.23733	.25711	-.00049
SDev	.00002	.00038	.00099	.00128	.0006	.00002
%RSD	3.1869	.42444	7.8432	.54027	.23513	4.8176

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	49.615	.00141	.00019	.00188	.05551	-.00621
SDev	.0614	.00012	.00016	.0002	.00032	.00681
%RSD	.12376	8.9138	80.855	10.61	.58561	109.64

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	19.915	9.5237	.10358	.00514	H832.0	.00666
SDev	.06696	.00569	.00011	.00054	2.502	.00037
%RSD	.33626	.05984	.11496	10.561	.3007	5.6883

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00193	-.00096	.00033	.00925	.00055	.00159
SDev	.00106	.0009	.00079	.00139	.00058	.00063
%RSD	54.825	93.556	239.4	15.119	104.74	39.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00208	.00546	.01084	.0098	.3820	.00006
SDev	.00051	.0008	.00222	.0009	.0005	.0001
%RSD	24.493	14.663	20.488	9.351	.1249	179.47

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01187	.00071	.38344
SDev	.00181	.0001	.0004
%RSD	15.306	14.905	.10454

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Analysis Report Averages 10/19/09 08:39:21 AM page 105

Method: ICAPNC Sample Name: T39287-2 Operator:
Run Time: 10/15/09 01:23 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00043	.14102	.01008	.35980	.31323	-.00058
SDev	.00015	.00226	.0024	.00071	.00084	.00001
%RSD	36.667	1.6061	23.828	.19761	.26926	2.808

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.107	.00025	.00069	.00287	.05847	-.00602
SDev	.05206	.00008	.00011	.0005	.00004	.00293
%RSD	.07321	32.113	17.234	17.519	.08349	48.711

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	28.575	16.222	.14256	.00050	H786.0	.00940
SDev	.12977	.04603	.00012	.00035	1.989	.00066
%RSD	.45416	.28378	.08844	71.71	.253	7.117

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00237	-.00028	.00090	.00869	-.00144	-.00090
SDev	.00077	.00036	.00003	.00032	.0007	.00151
%RSD	32.465	129.07	4.0002	3.6957	49.022	168.3

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00315	.00572	.00988	.0077	.3486	.00006
SDev	.00093	.00249	.00172	.0009	.0009	.0001
%RSD	29.563	43.608	17.482	11.14	.2663	162.14

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01328	.00189	.26761
SDev	.00382	.0002	.00065
%RSD	28.814	10.604	.2448

Zoom In
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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 01:32 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25343	39.943	1.9845	2.0561	2.0570	1.9936
SDev	.00029	.05954	.00702	.00631	.00382	.00212
%RSD	.11781	.14908	.35394	.30709	.18584	.10654

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.855	1.9930	1.9462	1.9534	1.9754	39.301
SDev	.04044	.00024	.00077	.00085	.00551	.03621
%RSD	.10147	.01238	.03981	.04372	.27929	.09214

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.002	39.870	1.9596	1.9174	40.12	2.0006
SDev	.1358	.03814	.00108	.01737	.0401	.00221
%RSD	.33949	.09567	.05522	.9062	.0999	.1109

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9655	1.9765	1.9731	1.9900	1.9275	1.8757
SDev	.00519	.00632	.00256	.00669	.05942	.07406
%RSD	.26435	.31981	.13007	.33646	3.0828	3.9487

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0308	2.0547	1.9575	L1.793	1.860	2.0052
SDev	.03056	.0074	.00693	.0065	.0043	.00282
%RSD	1.5049	.36035	.35413	.3606	.2292	.14079

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8912	1.9852	1.9985
SDev	.06752	.00141	.00145
%RSD	3.5704	.07148	.0726

Zoom In
Zoom Out

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 01:41 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00030	-.00392	.00135	-.00023	.00010	-.00027
SDev	.00061	.00389	.00026	.00091	.00005	.00004
%RSD	198.56	99.415	19.217	393.22	55.267	15.327

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00087	.00005	.00022	.00027	-.00014	-.00308
SDev	.00092	.00013	.00032	.00037	.00018	.00476
%RSD	105.87	252.66	148.69	134.78	131.13	154.38

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09442	.00109	.00020	.00055	.0098	.00053
SDev	.01296	.00424	.00003	.00062	.0858	.00032
%RSD	13.733	389.34	16.485	113.07	874.5	60.545

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00134	-.00050	-.00056	-.00013	.00192	.00332
SDev	.00159	.00117	.00026	.00042	.00247	.00308
%RSD	118.76	233.12	46.356	308.14	128.52	92.701

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00141	-.00193	.00047	.0003	.0000	.00013
SDev	.00135	.00076	.00097	.0005	0	.0002
%RSD	95.385	39.509	206.51	174.2	319.4	154.24

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00025	.00011	.00046
SDev	.00159	.00023	.00008
%RSD	616.81	201.05	19.053

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Method: ICAPNC Sample Name: MP10439-MB1 Operator:
Run Time: 10/15/09 01:48 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00047	.07859	.00880	.08809	.08647	-.00052
SDev	.00018	.00214	.00153	.00027	.00004	.00003
%RSD	38.391	2.7308	17.398	.31521	.05116	6.2585

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.69338	.00016	.00044	.00250	.00488	.00786
SDev	.00134	.00018	.00041	.00021	.00023	.00373
%RSD	.19453	108.78	93.255	8.7102	4.7373	47.534

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.15311	.10800	.00161	.00070	1162.	.00113
SDev	.00714	.00149	.00005	.00047	1.062	.00057
%RSD	4.6669	1.3839	3.186	67.812	.0914	50.606

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00400	-.00268	-.00009	.01151	-.00075	-.00078
SDev	.00197	.00189	.00057	.00107	.00048	.001
%RSD	49.402	70.447	580.28	9.2969	65.14	128.49

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00127	.01268	.01059	.0136	.0018	.00017
SDev	.0007	.00251	.0026	.0005	0	.0001
%RSD	55.613	19.861	24.564	3.401	.9967	62.945

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.01802	.00045	.03940
SDev	.00363	.00023	.00003
%RSD	20.158	52.236	.08791

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Method: ICAPNC Sample Name: MP10439-B1 Operator:
Run Time: 10/15/09 01:54 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05071	48.131	1.9260	.08906	5.2234	.04608
SDev	.00022	.22402	.00924	.00072	.02879	.00015
%RSD	.4501	.46544	.4801	.81256	.55119	.32555

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.72036	.04742	.46675	.18561	.25010	-.00246
SDev	.00333	.00003	.00086	.00058	.00153	.00475
%RSD	.46292	.06738	.18613	.31721	.61287	193.14

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.17849	.10363	.47324	.36675	1143.	.45297
SDev	.00447	.00313	.0004	.00217	3.975	.00041
%RSD	2.5065	3.0203	.08514	.59258	.3479	.09125

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8476	1.8253	1.8330	1.9507	.45545	.44398
SDev	.0021	.00487	.00347	.0078	.01155	.01455
%RSD	.11414	.26731	.18938	.40027	2.5368	3.2786

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.47786	2.0121	1.9198	.0148	.0020	.00005
SDev	.00576	.01006	.01238	.002	0	.0001
%RSD	1.206	.50031	.64486	13.57	.2811	192.96

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7539	.46727	.53892
SDev	.05655	.0002	.00073
%RSD	3.2248	.04415	.13635

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Method: ICAPNC Sample Name: MP10439-B2 Operator:
Run Time: 10/15/09 02:01 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05018	48.124	1.9302	.08878	5.2139	.04634
SDev	.00023	.08005	.00418	.00042	.00356	.00002
%RSD	.45942	.16635	.21704	.47416	.06832	.04543

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.72354	.04742	.46819	.18593	.25023	-.00311
SDev	.00182	.00012	.00111	.00047	.00035	.00741
%RSD	.25276	.25547	.23889	.2555	.14029	238.21

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.18641	.10582	.47464	.36852	1144.	.45350
SDev	.00225	.00171	.00051	.00199	1.099	.00102
%RSD	1.2091	1.6228	.10757	.54025	.096	.22497

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8489	1.8299	1.8365	1.9464	.46005	.44906
SDev	.00151	.00653	.00387	.014	.01127	.0141
%RSD	.08181	.35737	.21082	.71948	2.4506	3.1402

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.48148	2.0050	1.9168	.0143	.0020	.00000
SDev	.00581	.00599	.01814	.0013	0	0
%RSD	1.207	.29896	.94661	9.111	.7548	28.697

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7620	.46865	.54019
SDev	.05638	.00066	.00053
%RSD	3.2002	.14186	.09874

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Method: ICAPNC Sample Name: T39534-1 Operator:
Run Time: 10/15/09 02:07 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00125	.10815	.00962	.28092	3.1951	-.00058
SDev	.00074	.00443	.00055	.00221	.01176	.00002
%RSD	59.269	4.1011	5.7674	.78776	.36829	3.9453

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	96.499	.00581	.00199	.00378	.55580	.02777
SDev	.08719	.00007	.00029	.00067	.00313	.00342
%RSD	.09035	1.2118	14.888	17.948	.56432	12.326

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.571	8.7063	43.536	.00078	H1152.	.20668
SDev	.1288	.02172	.01957	.00041	4.128	.0005
%RSD	.69356	.24958	.04497	52.726	.3582	.24538

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00478	.00561	.00556	.01196	.00509	.00944
SDev	.00164	.0012	.0003	.00192	.00274	.00236
%RSD	34.412	21.551	5.4518	16.132	53.973	25.04

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00421	.01839	.00847	.0102	.6243	.00033
SDev	.00371	.00323	.00179	.0011	.0021	0
%RSD	88.077	17.601	21.131	10.55	.3412	.7867

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00859	.00083	H13.655
SDev	.00956	.00045	.01473
%RSD	111.34	54.504	.10793

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Method: ICAPNC Sample Name: T38010-2R Operator:
Run Time: 10/15/09 02:14 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00071	.09322	.01065	.33309	.50929	-.00049
SDev	.00023	.00092	.00046	.00088	.00023	.00001
%RSD	32.687	.98755	4.3257	.26541	.04546	3.0286

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	64.361	.00148	.00077	.00228	.01141	.00359
SDev	.13901	.00007	.00048	.00035	.00014	.00595
%RSD	.21598	4.8021	61.874	15.57	1.3005	165.63

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.587	7.1831	.93243	.00042	H902.6	.00837
SDev	.01691	.01528	.00074	.00026	.5548	.00038
%RSD	.10849	.21285	.07953	62.794	.0615	4.6032

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00270	-.00002	.00126	.01078	.00028	.00105
SDev	.00197	.00186	.00096	.00138	.00048	.00132
%RSD	73.082	6772	75.87	12.88	168.77	125.4

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00183	.00802	.01187	.0138	.2557	.00000
SDev	.00174	.00159	.00203	.0019	.0001	.00021
%RSD	95.285	19.842	17.118	13.92	.039	3219

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01252	.00047	.74674
SDev	.00312	.00032	.0011
%RSD	24.908	67.773	.14781

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 02:22 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25052	39.859	1.9825	2.0233	2.0564	1.9822
SDev	.00066	.2025	.00244	.00336	.0112	.00783
%RSD	.26375	.50804	.12357	.16631	.54504	.39502

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.369	1.9845	1.9351	1.9447	1.9824	38.987
SDev	.20828	.00805	.00654	.00706	.01112	.11511
%RSD	.52904	.40586	.33838	.36318	.56128	.29527

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.125	39.448	1.9474	1.8998	40.11	1.9919
SDev	.34384	.09512	.00507	.01785	.2709	.00483
%RSD	.85694	.24114	.26057	.93994	.6755	.24274

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9608	1.9691	1.9666	2.0029	1.8998	1.8394
SDev	.01553	.01048	.00702	.00344	.07807	.09888
%RSD	.7923	.53266	.35715	.17222	4.1097	5.3759

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0202	2.0631	1.9727	L1.777	1.864	2.0016
SDev	.03752	.01058	.00628	.0106	.0081	.00149
%RSD	1.8574	.51326	.31871	.594	.4331	.07493

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9245	1.9715	1.9822
SDev	.01772	.0025	.004
%RSD	.92125	.12701	.20223

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 02:32 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00045	.00597	.00061	-.00053	.00012	-.00037
SDev	.00008	.0096	.00048	.00019	.00002	.00009
%RSD	19.108	160.66	78.753	35.524	22.963	26.167

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00083	.00005	.00005	.00038	.00001	-.00200
SDev	.00068	.00003	.00008	.0001	.0002	.00496
%RSD	82.118	63.765	134.53	26.76	1052.2	247.33

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09369	.00338	.00024	.00025	.0157	.00089
SDev	.0308	.00204	.00003	.00054	.0437	.00032
%RSD	32.883	60.379	13.785	213.04	278.2	36.686

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00104	-.00070	-.00062	.00131	.00156	.00257
SDev	.00175	.00068	.0006	.00127	.00166	.0024
%RSD	167.95	97.005	96.599	96.978	106.64	93.238

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00102	-.00010	.00174	.0010	.0000	.00030
SDev	.00036	.00186	.00233	.0012	0	.00026
%RSD	35.367	1814.8	134.08	123.6	63.06	87.539

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00058	.00015	.00048
SDev	.00092	.00016	.00003
%RSD	159.68	106.42	6.4001

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Method: ICAPNC Sample Name: T38416-5 Operator:
Run Time: 10/15/09 02:39 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00289	232.49	.10013	.03122	4.0199	.01256
SDev	.00021	.84857	.00312	.00152	.02297	.00001
%RSD	7.4587	.36499	3.1212	4.8851	.57152	.15308

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	295.98	.00075	.10038	.21513	.14156	298.48
SDev	.7132	.00026	.00037	.00075	.00125	.47458
%RSD	.24096	35.32	.37439	.35096	.88848	.15899

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	46.435	94.647	7.4074	.04467	20.52	.23958
SDev	.29795	.13653	.0128	.00048	.1501	.00112
%RSD	.64166	.14425	.1728	1.0746	.7313	.46851

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01027	.29503	.19357	L-.01114	.00035	.01961
SDev	.00476	.00413	.00132	.00134	.00307	.00541
%RSD	46.392	1.4024	.68407	12.054	854.56	27.61

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03811	-.03459	.00075	.0158	1.233	2.0164
SDev	.00161	.00385	.00315	.0032	.0061	.00423
%RSD	4.2419	11.153	417.14	20.25	.4975	.21019

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00341	.48095	.93554
SDev	.00221	.00081	.00117
%RSD	64.819	.16906	.1259

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Method: ICAPNC Sample Name: T38416-6 Operator:
Run Time: 10/15/09 02:45 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00246	230.16	.08323	.02188	2.5446	.01304
SDev	.00042	.30212	.00088	.00126	.00203	0
%RSD	17.133	.13126	1.0579	5.7835	.07986	.04579

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	229.79	.00132	.09310	.20317	.12709	260.65
SDev	.37415	.00021	.00025	.00059	.00018	.29227
%RSD	.16282	16.357	.27744	.29141	.14485	.11213

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.178	90.315	3.6915	.03750	25.45	.23061
SDev	.10773	.05928	.00253	.00052	.0848	.00069
%RSD	.26163	.06564	.06873	1.3958	.3332	.30129

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01354	.26544	.17274	L-.00896	.00133	.01983
SDev	.00418	.00252	.00094	.00084	.0015	.00354
%RSD	30.878	.95277	.54417	9.4699	113	17.867

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03571	-.03263	.00297	.0167	1.155	1.5045
SDev	.00258	.0023	.00238	.0039	.0007	.00123
%RSD	7.2249	7.0539	80.246	23.23	.0615	.08216

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00227	.44840	.84680
SDev	.00246	.00025	.00044
%RSD	108.38	.0573	.05262

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Method: ICAPNC Sample Name: T38416-7 Operator:
Run Time: 10/15/09 02:51 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00143	169.05	.03248	-.01194	4.1926	.00865
SDev	.0003	.42799	.00071	.00127	.015	.00003
%RSD	21.562	.25317	2.2146	10.668	.35798	.41599

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	370.24	.00275	.07051	.11643	.06054	148.41
SDev	2.0872	.00017	.00043	.0003	.00026	.43226
%RSD	.56374	6.4376	.61904	.25934	.43141	.29126

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	26.890	65.960	8.9343	.01860	12.35	.14485
SDev	.16085	.16106	.02907	.00058	.0928	.00014
%RSD	.59819	.24418	.32539	3.1648	.7519	.09758

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.13424	.30289	.24696	.03886	.00029	.01150
SDev	.00215	.00263	.00105	.00138	.00146	.00311
%RSD	1.6026	.8709	.42649	3.5514	496.82	27.1

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02232	.02372	.04647	.0150	1.016	1.2072
SDev	.00183	.00032	.002	.0033	.0026	.00105
%RSD	8.2112	1.387	4.3205	21.72	.253	.08767

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00464	.23655	.54612
SDev	.00349	.00045	.00073
%RSD	75.182	.19299	.13399

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Method: ICAPNC Sample Name: T38416-8 Operator:
Run Time: 10/15/09 02:58 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00322	279.60	.08652	.04581	H44.527	.01457
SDev	.0002	.6553	.0008	.00097	.08428	.00001
%RSD	6.4054	.23437	.9327	2.1309	.1893	.13238

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	186.15	.00059	.11691	.24799	.15227	287.34
SDev	.48647	.00023	.00016	.0004	.00024	.59491
%RSD	.26133	39.786	.13791	.16298	.16023	.20704

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	57.838	84.483	4.3898	.04040	28.60	.24151
SDev	.08053	.17562	.00734	.00048	.1344	.00074
%RSD	.13924	.20788	.16722	1.1916	.47	.30718

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02243	.29172	.18730	-.00232	.00060	.02170
SDev	.00174	.00282	.00135	.00206	.00202	.00369
%RSD	7.7904	.96838	.72514	88.879	336.23	17

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04161	-.02732	.01027	.0192	1.270	2.4013
SDev	.00141	.00241	.00328	.004	.0007	.00453
%RSD	3.3926	8.8536	32.013	21.05	.0533	.18902

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00324	.52293	.91042
SDev	.00436	.00062	.00126
%RSD	134.51	.11998	.13858

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Method: ICAPNC Sample Name: T38416-9 Operator:
Run Time: 10/15/09 03:04 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00237	264.59	.06926	.02958	H27.916	.01527
SDev	.00023	1.5219	.00096	.00107	.08119	.00002
%RSD	9.9144	.57517	1.3947	3.6475	.29085	.19001

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	239.73	.00046	.12124	.23340	.14634	271.35
SDev	.53175	.00045	.00036	.00055	.00083	.29545
%RSD	.22181	97.19	.30457	.23871	.5728	.10888

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	56.234	104.75	4.5380	.03482	28.49	.25472
SDev	.37143	.1506	.00491	.00101	.2621	.00086
%RSD	.66051	.14377	.10821	2.9081	.9199	.33987

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02335	.27941	.17882	L-.00837	-.00064	.01831
SDev	.00217	.00278	.00117	.00067	.00305	.00453
%RSD	9.3195	.99762	.65946	8.1072	475.58	24.74

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03857	-.03164	.00337	.0166	1.210	1.9680
SDev	.00016	.0059	.00237	.0035	.003	.0023
%RSD	.44047	18.67	70.364	20.83	.249	.11735

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00341	.44245	.94114
SDev	.00412	.00054	.00147
%RSD	120.81	.12316	.15624

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Method: ICAPNC Sample Name: T38416-10 Operator:
Run Time: 10/15/09 03:11 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00263	267.25	.08288	.02893	H45.317	.01486
SDev	.00028	.61664	.00134	.00073	.06915	.00001
%RSD	10.722	.23073	1.6267	2.5522	.1526	.10631

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	428.08	.00434	.11471	.23667	.12601	276.11
SDev	.85975	.00022	.0001	.00047	.00019	.38529
%RSD	.20083	5.1611	.09001	.19875	.15162	.13954

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	57.850	83.234	7.1116	.03854	27.73	.23780
SDev	.13732	.13927	.00751	.00073	.0778	.00029
%RSD	.23737	.16732	.10566	1.91	.2807	.12443

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02230	.28194	.18087	L-.00780	.00076	.02103
SDev	.00037	.00201	.00115	.00029	.0016	.00393
%RSD	1.6861	.71322	.64113	3.8278	208.32	18.701

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03976	-.03317	.00507	.0164	1.427	2.3035
SDev	.00311	.00183	.00102	.0021	.0008	.00352
%RSD	7.8414	5.5328	20.168	13.03	.0555	.15293

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00266	.49322	.89575
SDev	.00371	.00075	.00123
%RSD	139.48	.15273	.1379

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Method: ICAPNC Sample Name: T38416-11 Operator:
Run Time: 10/15/09 03:17 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00210	225.93	.07384	.02027	3.0067	.01227
SDev	.00022	1.0221	.00114	.0009	.00234	.00001
%RSD	10.588	.45241	1.5442	4.4516	.07797	.14788

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	229.16	.00030	.09497	.19414	.23416	248.28
SDev	.59047	.00039	.00044	.00036	.00029	.62066
%RSD	.25766	130.52	.47078	.18843	.12694	.24999

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	45.136	87.752	4.4181	.03404	19.06	.21824
SDev	.10296	.20203	.00902	.0006	.1535	.00059
%RSD	.22812	.23023	.20425	1.7917	.8053	.27277

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02559	.24420	.15456	L-.00651	-.00058	.01663
SDev	.00241	.0023	.00074	.00196	.00375	.00538
%RSD	9.4246	.9436	.48073	30.143	636.43	32.353

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03509	-.02922	.00492	.0153	1.031	1.9574
SDev	.00095	.00032	.00287	.0035	.0011	.00411
%RSD	2.735	1.1171	58.376	22.83	.1022	.21007

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00300	.40013	.80824
SDev	.00304	.00049	.00152
%RSD	101.29	.1249	.1883

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Method: ICAPNC Sample Name: T38416-12 Operator:
Run Time: 10/15/09 03:24 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00176	204.69	.06662	.01366	3.4542	.01187
SDev	.00036	.22949	.00073	.00112	.00162	.00001
%RSD	20.762	.11211	1.0972	8.2604	.04691	.15186

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	237.68	.00004	.09030	.18570	.13339	231.14
SDev	.22723	.0002	.00014	.00052	.0002	.18718
%RSD	.0956	494.37	.16367	.28007	.15183	.08098

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.349	85.451	3.9046	.03192	18.45	.20056
SDev	.02725	.12228	.00105	.00047	.0941	.00046
%RSD	.06755	.1431	.02713	1.4961	.5101	.23417

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01309	.23547	.15297	L-.00765	-.00190	.01445
SDev	.0014	.00104	.00028	.00211	.00098	.00163
%RSD	10.747	.44296	.18731	27.644	51.829	11.289

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03463	-.02593	.00159	.0135	1.076	1.5749
SDev	.00037	.00167	.00324	.0024	.0005	.00033
%RSD	1.086	6.4489	203.22	17.7	.0496	.02122

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00332	.35341	.71974
SDev	.00203	.00048	.00071
%RSD	61.129	.13632	.09888

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Method: ICAPNC Sample Name: T38416-13 Operator:
Run Time: 10/15/09 03:30 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00180	242.23	.04423	.02152	24.042	.01155
SDev	.00026	.26346	.00081	.00073	.03289	.00001
%RSD	14.587	.10876	1.8354	3.4118	.13681	.15664

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	201.86	.00015	.08582	.14858	.11658	176.16
SDev	.38025	.00016	.00019	.00019	.00015	.18087
%RSD	.18838	107.67	.23297	.13204	.13679	.10267

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	49.419	60.617	6.3083	.02246	21.65	.14935
SDev	.06017	.05028	.00563	.0001	.1076	.00054
%RSD	.12176	.08294	.08927	.45319	.4972	.3619

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00864	.22649	.15415	.00833	-.00224	.01030
SDev	.00114	.00126	.00048	.0004	.00084	.00172
%RSD	13.277	.55736	.31701	4.8722	37.463	16.703

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02747	-.00688	.01596	.0148	1.184	1.9764
SDev	.00112	.00263	.00179	.0035	.0002	.00234
%RSD	4.0915	38.241	11.265	23.41	.0193	.11869

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00246	.33951	.55073
SDev	.00429	.00024	.00024
%RSD	174.72	.07079	.04472

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Method: ICAPNC Sample Name: T38416-14 Operator:
Run Time: 10/15/09 03:37 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00439	287.47	.06952	.02408	H29.536	.01521
SDev	.00048	.60324	.00127	.00214	.11168	.00001
%RSD	11.022	.20984	1.8267	8.8971	.37813	.11319

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	169.45	-.00162	.09277	.24443	.19471	329.41
SDev	.28049	.00032	.00013	.00083	.00067	.27717
%RSD	.16552	20.188	.14461	.34042	.3475	.08414

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	65.580	70.804	5.1677	.04316	29.15	.20153
SDev	.23589	.04892	.00629	.00071	.0173	.0014
%RSD	.3597	.0691	.12179	1.6589	.0592	.69834

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04099	.30965	.19310	L-.00887	-.00176	.01970
SDev	.00372	.00073	.00098	.00272	.00139	.00247
%RSD	9.084	.23627	.50901	30.765	78.892	12.551

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04462	-.03419	.00391	.0169	1.470	2.0533
SDev	.00093	.00312	.0027	.0045	.0045	.00395
%RSD	2.0927	9.1437	69.136	26.64	.307	.1925

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00255	.42416	.81507
SDev	.00636	.00072	.00106
%RSD	249.53	.17034	.13021

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 03:45 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25115	40.079	1.9916	2.0227	2.0513	1.9959
SDev	.00027	.03641	.00245	.00201	.00091	.00045
%RSD	.11099	.09086	.12336	.09955	.04458	.02263

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.596	2.0000	1.9467	1.9552	1.9875	39.222
SDev	.01443	.00151	.00118	.00138	.00157	.02302
%RSD	.03645	.07573	.06065	.07064	.07917	.05869

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.204	39.656	1.9615	1.9133	40.13	2.0010
SDev	.04562	.02167	.00065	.01613	.1224	.00031
%RSD	.11349	.05466	.03364	.84353	.3049	.01592

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9645	1.9909	1.9825	2.0075	1.9081	1.8542
SDev	.0044	.00356	.00213	.01173	.08656	.11039
%RSD	.22422	.17885	.10749	.58443	4.5367	5.9538

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0155	2.0541	1.9839	L1.797	1.870	1.9969
SDev	.03894	.01007	.01262	.0037	.0025	.00251
%RSD	1.9324	.4906	.63638	.2032	.135	.12576

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9450	1.9775	1.9982
SDev	.01068	.00163	.00129
%RSD	.54931	.08263	.06458

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 03:55 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00047	-.00893	-.00065	-.00009	.00012	-.00022
SDev	.00023	.00239	.00034	.00026	.00003	.00002
%RSD	49.159	26.78	53.531	269.06	26.522	13.328

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00084	.00008	.00023	.00043	.00008	.00162
SDev	.0003	.00018	.00042	.00028	.00007	.00308
%RSD	35.369	224.65	177.16	64.844	84.807	189.48

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09476	.00290	.00020	.00083	.0753	.00074
SDev	.01098	.0013	.00006	.00057	.0147	.00025
%RSD	11.59	45.017	33.226	68.708	19.58	34.589

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00044	-.00040	-.00020	-.00060	.00066	.00112
SDev	.00216	.0026	.00117	.0016	.00043	.00125
%RSD	489.75	637.06	584.62	264.63	66.128	111.04

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00081	-.00401	.00079	.0009	.0000	.00054
SDev	.00129	.00275	.00144	.0023	0	.0001
%RSD	158.69	68.666	181.12	262.9	50.07	18.519

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00054	.00022	.00041
SDev	.0019	.00032	.00006
%RSD	350.14	143.33	14.596

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Method: ICAPNC Sample Name: T38416-15 Operator:
Run Time: 10/15/09 04:02 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00369	300.46	.07004	.02354	H28.572	.01516
SDev	.00045	.15551	.00182	.00151	.09734	.00004
%RSD	12.361	.05176	2.6046	6.442	.34069	.32066

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	71.262	-.00358	.10711	.24691	.30205	306.15
SDev	.22466	.00039	.00052	.00017	.00113	.5527
%RSD	.31526	11.014	.48729	.07148	.376	.18053

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	55.756	55.319	1.7275	.04168	32.29	.21617
SDev	.15343	.08527	.00205	.00048	.0573	.00084
%RSD	.27518	.15414	.11901	1.1558	.1775	.39037

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00194	.33848	.22666	.00156	-.00027	.02030
SDev	.00233	.00351	.0016	.00095	.00153	.00381
%RSD	119.7	1.0376	.70674	61.03	568.34	18.808

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04138	-.02307	.01393	.0175	1.752	1.5211
SDev	.00304	.00305	.00295	.0059	.004	.00102
%RSD	7.3568	13.251	21.179	33.74	.231	.0675

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00239	.54929	.92857
SDev	.00462	.00035	.00103
%RSD	192.63	.06429	.11092

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Method: ICAPNC Sample Name: T38416-16 Operator:
Run Time: 10/15/09 04:08 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00239	269.65	.05340	.02173	19.397	.01427
SDev	.00022	.66422	.00112	.00122	.00555	.00003
%RSD	9.2948	.24632	2.115	5.6131	.02865	.21116

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	115.28	-.00104	.10914	.19837	.23269	259.71
SDev	.11743	.00018	.0003	.00037	.00058	.19361
%RSD	.10186	17.752	.28235	.18789	.25316	.07454

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	53.276	63.828	3.0193	.03373	26.38	.23073
SDev	.13405	.04795	.00265	.00057	.1023	.00105
%RSD	.25161	.07512	.08792	1.7175	.3879	.45864

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04830	.24718	.14899	L-.00715	-.00221	.01561
SDev	.00164	.0014	.0013	.00373	.00312	.00598
%RSD	3.3983	.56667	.8754	52.24	141.21	38.315

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03791	-.02908	.00386	.0170	1.413	1.3478
SDev	.00264	.00621	.00254	.0042	.0008	.00195
%RSD	6.9717	21.367	65.791	24.88	.0596	.14513

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00193	.40952	.88145
SDev	.00568	.00025	.00065
%RSD	293.81	.06331	.07397

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Method: ICAPNC Sample Name: T38416-17 Operator:
Run Time: 10/15/09 04:14 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00272	269.07	.07037	.00606	24.153	.01479
SDev	.00028	.68708	.00077	.0015	.05386	.00005
%RSD	10.434	.25535	1.1065	24.819	.22303	.37989

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	178.40	-.00052	.11593	.23591	.17937	290.29
SDev	.5447	.00025	.00047	.0005	.0005	.83606
%RSD	.30533	49.661	.41295	.21273	.28129	.28801

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.038	94.902	5.4618	.03643	23.06	.24044
SDev	.07944	.26275	.01403	.00088	.1269	.00082
%RSD	.15267	.27687	.25704	2.4352	.5503	.34208

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00632	.32358	.21811	.00124	-.00089	.01949
SDev	.00123	.00136	.00071	.001	.00032	.00154
%RSD	19.535	.42225	.32846	81.054	35.931	7.9152

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04163	-.02375	.01385	.0152	1.436	2.4225
SDev	.00213	.00387	.00267	.0061	.0035	.00653
%RSD	5.1172	16.313	19.299	39.94	.2466	.2696

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00269	.41634	.85304
SDev	.00768	.00086	.00191
%RSD	285.4	.20887	.22504

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Method: ICAPNC Sample Name: T38416-18 Operator:
Run Time: 10/15/09 04:21 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00304	288.75	.08445	.02787	22.585	.01487
SDev	.00034	.39935	.00258	.00104	.01308	.00005
%RSD	11.272	.1383	3.0581	3.7501	.05792	.38126

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	144.50	-.00100	.11325	.23787	.15311	312.17
SDev	.25547	.00016	.00033	.0005	.00009	.44203
%RSD	.17679	16.454	.29757	.21166	.06376	.14159

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	56.753	103.51	5.3063	.04146	22.21	.23147
SDev	.08589	.13539	.00375	.00098	.0772	.0007
%RSD	.15134	.1308	.07083	2.3853	.3475	.30615

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.06185	.27630	.16393	L-.00962	-.00220	.01895
SDev	.00253	.00314	.00139	.001	.00175	.00359
%RSD	4.0938	1.139	.85038	10.393	79.28	18.949

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04445	-.03530	.00333	.0171	1.296	3.2688
SDev	.00197	.00111	.00146	.0035	.001	.00269
%RSD	4.4363	3.1709	43.987	20.47	.0737	.0824

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00355	.45932	.91225
SDev	.00436	.00064	.00202
%RSD	122.54	.14146	.22151

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Method: ICAPNC Sample Name: T38416-19 Operator:
Run Time: 10/15/09 04:27 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00270	275.06	.08034	.07888	22.962	.01523
SDev	.00035	.29945	.00115	.00168	.0371	.00001
%RSD	13.008	.10887	1.4396	2.1299	.16157	.1121

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	218.44	-.00019	.10985	.24796	.13798	307.80
SDev	.2159	.00016	.00042	.0006	.00005	.17127
%RSD	.09884	86.771	.38824	.24518	.04072	.05564

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	53.131	94.456	7.0208	.04154	23.11	.24011
SDev	.04747	.04192	.00292	.0004	.0736	.00059
%RSD	.08935	.04438	.04159	.97864	.3183	.24662

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04332	.28629	.17677	L-.00841	-.00155	.01872
SDev	.00106	.00267	.00146	.0005	.00219	.0029
%RSD	2.4489	.93261	.83055	6.0534	141.58	15.516

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04203	-.03391	.00447	.0134	1.421	2.5604
SDev	.00131	.00337	.00225	.0047	.002	.0011
%RSD	3.1274	9.9659	50.47	35.03	.1396	.04318

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00376	.50073	.84300
SDev	.00361	.00045	.00033
%RSD	95.965	.09033	.03994

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Method: ICAPNC Sample Name: T38416-20 Operator:
Run Time: 10/15/09 04:34 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00198	257.46	.04827	.01322	21.977	.01192
SDev	.00059	.46043	.00022	.00198	.02238	.00003
%RSD	29.912	.17883	.47181	15.008	.10186	.2713

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	97.001	-.00168	.07908	.17755	.11490	233.66
SDev	.2194	.00009	.00018	.00011	.00009	.24243
%RSD	.22619	5.3765	.23532	.06391	.08131	.10375

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.249	79.293	3.8751	.02814	19.16	.16775
SDev	.01853	.12454	.00374	.00086	.0986	.00047
%RSD	.0384	.15706	.09655	3.0687	.5145	.28424

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04587	.22072	.13213	L-.00558	-.00226	.01423
SDev	.00385	.00321	.00132	.00125	.0017	.00313
%RSD	8.3932	1.4579	1.0063	22.464	75.377	22.022

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03531	-.02807	.00569	.0166	1.243	2.6089
SDev	.00198	.00406	.00124	.001	.0005	.00084
%RSD	5.6329	14.464	21.89	5.952	.0415	.03224

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00329	.31263	.71187
SDev	.00474	.00034	.00078
%RSD	144.24	.11129	.10959

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 04:42 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25076	40.313	1.9897	2.0155	2.0627	1.9856
SDev	.00086	.08524	.00402	.00377	.00188	.00144
%RSD	.34467	.21146	.20215	.18714	.09118	.07299

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.400	1.9849	1.9391	1.9473	1.9997	39.034
SDev	.04056	.00077	.00071	.00049	.00293	.01811
%RSD	.10294	.0388	.03692	.02533	.14688	.04641

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.608	39.465	1.9558	1.9104	40.49	1.9892
SDev	.05935	.0272	.0011	.01436	.093	.00051
%RSD	.14616	.06894	.0563	.752	.2296	.02609

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9562	1.9878	1.9775	2.0086	1.9152	1.8627
SDev	.0029	.00366	.00146	.00418	.08245	.1076
%RSD	.14863	.18414	.07396	.20818	4.3055	5.7772

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0201	2.0535	1.9860	L1.795	1.876	1.9974
SDev	.03219	.00236	.00516	.0072	.0011	.00249
%RSD	1.5937	.11537	.25984	.4034	.06	.12489

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9427	1.9737	1.9938
SDev	.01798	.0007	.00247
%RSD	.92569	.03583	.12436

Zoom In
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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 04:52 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00058	-.01322	.00016	-.00033	.00010	-.00021
SDev	.00019	.00415	.00036	.00049	.00001	.00002
%RSD	33.001	31.43	220.72	149.15	12.183	10.179

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00053	.00007	.00000	.00056	-.00002	-.00187
SDev	.00049	.00012	.00015	.00041	.00004	.00275
%RSD	93.164	156.71	1527.5	72.781	167.09	147.5

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09570	.00322	.00026	.00026	.0606	.00081
SDev	.00454	.00245	0	.00029	.0075	.00049
%RSD	4.7472	75.948	1.4012	112.72	12.32	60.909

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00064	-.00128	-.00084	.00082	.00000	.00011
SDev	.0023	.00102	.00133	.00079	.00067	.00115
%RSD	358.48	79.619	158.1	95.841	9520.4	1029.4

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00074	-.00065	.00129	.0009	.0000	.00054
SDev	.00037	.00152	.00092	.002	0	.00009
%RSD	50.186	230.74	71.075	209.7	93.74	18.442

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00012	.00036	.00056
SDev	.0008	.00006	.00007
%RSD	655.89	17.28	13.628

Zoom In
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Method: ICAPNC Sample Name: MP10458-MB1 Operator:
Run Time: 10/15/09 04:59 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00070	-.00477	.00079	-.00114	.00008	-.00021
SDev	.0001	.00566	.00179	.0003	.00005	.00004
%RSD	15.609	118.83	225.26	26.358	62.121	20.456

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00208	.00011	.00010	.00027	-.00011	-.00347
SDev	.00002	.00012	.00026	.00026	.00018	.00234
%RSD	1.3287	111.8	260.93	94.338	164.72	67.358

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.10851	.00251	.00023	.00002	-.0080	.00094
SDev	.00349	.00218	.00002	.00007	.0636	.00015
%RSD	3.2249	87.223	10.656	336.64	791.8	16.65

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00105	-.00107	-.00086	.00141	-.00177	-.00149
SDev	.00146	.0007	.00016	.00132	.00047	.00048
%RSD	138.52	66.122	19.431	93.428	27.004	32.671

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00288	.00159	.00106	.0009	.0000	.00007
SDev	.00087	.00144	.0013	.0008	0	.00017
%RSD	30.489	90.817	122.95	95.61	97.17	225.11

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00003	.00019	.00039
SDev	.00073	.00003	.00003
%RSD	2217.3	18.869	9.2497

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Method: ICAPNC Sample Name: T37867-1 Operator:
Run Time: 10/15/09 05:05 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00078	.49345	.01263	.11392	.21362	-.00186
SDev	.00193	.02854	.00376	.00148	.00014	.00021
%RSD	247.1	5.7855	29.808	1.3054	.068	11.482

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	165.75	.00000	.02716	.01263	.03033	1.3657
SDev	.43567	.00074	.00105	.00211	.0013	.0266
%RSD	.26284	11640	3.8999	16.712	4.299	1.9481

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H310.50	43.020	1.3628	.00009	H504.5	.01924
SDev	1.127	.04433	.00158	.0005	2.782	.00017
%RSD	.36296	.10306	.11657	516.23	.5513	.8994

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01486	.00384	-.00080	.02445	L-.01070	-.00646
SDev	.00137	.00612	.00408	.007	.00295	.0044
%RSD	9.2202	159.23	507.34	28.657	27.643	68.04

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02193	.01988	.02530	.0232	.7066	.05401
SDev	.00441	.00785	.00724	.0055	.0006	.00002
%RSD	20.145	39.487	28.638	23.72	.0852	.03975

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01006	.02067	.98392
SDev	.00999	.00281	.00135
%RSD	99.302	13.629	.13779

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Method: ICAPNC Sample Name: MP10458-D1 Operator:
Run Time: 10/15/09 05:12 Filename: R101409
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00267	.57478	.01985	.11753	.21787	-.00206
SDev	.00066	.00906	.00903	.00213	.00016	.00016
%RSD	24.74	1.5773	45.495	1.8152	.07457	7.802

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	166.07	.00037	.02569	.01284	.03157	1.3833
SDev	.223	.00066	.00041	.00078	.00135	.02765
%RSD	.13428	179.4	1.6097	6.0917	4.2793	1.999

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H318.03	43.273	1.3724	.00032	H515.5	.01940
SDev	.43848	.03535	.00095	.00064	1.046	.00174
%RSD	.13787	.08169	.06988	196.78	.2029	8.9957

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00699	.00124	-.00010	.02102	L-.01254	-.00925
SDev	.00721	.00634	.00451	.00609	.00182	.00138
%RSD	103.12	511.06	4301.8	29.008	14.569	14.917

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02190	.02354	.01827	.0169	.7196	.05472
SDev	.00463	.00464	.00711	.0002	.0003	.00046
%RSD	21.159	19.743	38.901	1.276	.0427	.84945

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02151	.02139	.98860
SDev	.0096	.00163	.00167
%RSD	44.631	7.655	.16898

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 05:20 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25105	40.098	1.9927	2.0130	2.0551	1.9919
SDev	.00046	.06085	.00445	.00366	.00074	.00325
%RSD	.18581	.15177	.22369	.18195	.03633	.16333

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.637	1.9885	1.9425	1.9518	1.9895	39.127
SDev	.09225	.00343	.00402	.00439	.00069	.07816
%RSD	.23273	.17268	.20711	.2252	.03496	.19978

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.344	39.528	1.9574	1.9145	40.29	1.9913
SDev	.00258	.07458	.00384	.0166	.0459	.004438
%RSD	.00641	.18867	.19663	.86719	.1139	.22041

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9569	1.9883	1.9781	2.0033	1.9155	1.8661
SDev	.00285	.00491	.0042	.00514	.08186	.10708
%RSD	.14575	.24699	.21248	.25687	4.274	5.7386

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0139	2.0421	1.9837	1.810	1.870	2.0002
SDev	.03149	.00456	.00602	.0093	.0015	.00196
%RSD	1.5637	.22348	.30378	.5135	.0803	.09832

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9478	1.9735	1.9981
SDev	.01085	.00303	.00403
%RSD	.55743	.1536	.20209

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 05:30 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00074	-.00714	-.00087	-.00023	.00008	-.00021
SDev	.00019	.00275	.00164	.00014	.00004	.00002
%RSD	26.071	38.598	188.23	62.325	55.642	13.197

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00186	.00017	.00000	.00053	-.00018	-.00643
SDev	.0017	.00004	.00045	.00006	.00039	.0117
%RSD	91.619	28.381	6636.3	12.637	214.81	181.91

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.10202	.00157	.00025	.00006	.0790	.00071
SDev	.00388	.00249	.00004	.00036	.0185	.00026
%RSD	3.8072	158.72	16.736	576.37	23.35	37.199

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00143	-.00181	-.00051	.00080	-.00084	-.00130
SDev	.00408	.00411	.00162	.00101	.00048	.0015
%RSD	285.5	226.52	315.59	126.4	56.985	115.11

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00047	.00081	.00052	.0010	.0000	.00013
SDev	.00157	.00264	.00183	.001	0	.0002
%RSD	332.21	325.49	351.11	102.6	9817	154.09

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00046	-.00006	.00039
SDev	.00041	.00029	.0001
%RSD	88.906	482.65	27.178

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Method: ICAPNC Sample Name: T39097-2 Operator:
Run Time: 10/15/09 05:36 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00621	99.063	.07236	.02108	7.6874	.00735
SDev	.0004	.21617	.00278	.00355	.02283	.00005
%RSD	6.5251	.21822	3.8549	16.855	.29701	.77683

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1474.2	.01985	.03920	4.1796	.71250	242.87
SDev	9.9952	.00022	.00053	.00927	.00261	.61646
%RSD	.67801	1.1268	1.3662	.222	.36638	.25382

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	13.513	72.816	H61.072	.10608	5.128	.32843
SDev	.06221	.05922	.08677	.00066	.0675	.00192
%RSD	.46041	.08133	.14208	.63014	1.316	.58736

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.90820	1.1112	1.0439	.00545	.03093	.04727
SDev	.00223	.00865	.00545	.00282	.0016	.00253
%RSD	.24626	.77887	.52268	51.838	5.1979	5.358

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00191	-.01850	.01792	.2725	1.904	2.8890
SDev	.00117	.00192	.00328	.003	.0028	.00487
%RSD	61.247	10.412	18.314	1.104	.1477	.16871

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00104	1.3755	3.5332
SDev	.00739	.00206	.00253
%RSD	709.5	.1502	.07182

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Method: ICAPNC Sample Name: T39097-3 Operator:
Run Time: 10/15/09 05:43 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00444	71.905	.09888	.04042	4.1802	.00765
SDev	.00027	.20784	.00031	.00202	.01027	.00008
%RSD	6.0723	.28905	.31558	5.0126	.2458	1.1652

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1500.9	.01021	.06240	1.0067	1.1090	211.34
SDev	4.3601	.00007	.00094	.00419	.00389	.92861
%RSD	.2905	.69916	1.5181	.4163	.35134	.43938

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.630	47.239	12.764	.18975	4.259	.51411
SDev	.09024	.1956	.05332	.00152	.0654	.00255
%RSD	.77592	.41408	.41777	.8025	1.537	.49679

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.82882	1.0053	.94683	.00150	.03570	.05174
SDev	.00518	.00816	.00443	.00124	.00153	.00444
%RSD	.62558	.81184	.46831	83.21	4.2866	8.5981

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00338	-.02669	.01608	.1523	1.935	1.6501
SDev	.00431	.00372	.00362	.0007	.0023	.00213
%RSD	127.32	13.947	22.54	.4318	.121	.12964

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00852	.53893	4.7255
SDev	.00185	.00217	.01365
%RSD	21.742	.40399	.28898

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Method: ICAPNC Sample Name: T39097-4 Operator:
Run Time: 10/15/09 05:49 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00152	43.345	.04450	-.03092	2.1614	.00337
SDev	.00058	.02548	.00063	.00083	.0032	.00001
%RSD	38.751	.05879	1.423	2.7106	.14829	.57173

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1608.9	.00514	.02292	.80946	.61949	118.25
SDev	8.6434	.00028	.00013	.00055	.0011	.09035
%RSD	.53722	5.4698	.6055	.06876	.17811	.07641

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.5227	30.037	11.136	.09227	1.873	.19527
SDev	.0206	.03358	.012	.00041	.0813	.00099
%RSD	.24175	.11181	.10776	.45346	4.344	.50961

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.28631	.38166	.35025	.00486	.01814	.02884
SDev	.00328	.00387	.00149	.00149	.00227	.00298
%RSD	1.1461	1.0153	.42771	30.806	12.523	10.353

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00368	-.01806	.01670	.0787	1.508	.87575
SDev	.00146	.00394	.00148	.001	.0018	.00044
%RSD	39.763	21.856	8.8697	1.283	.1208	.05047

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00803	.39122	2.5376
SDev	.00357	.00028	.00067
%RSD	44.432	.07189	.02675

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Method: ICAPNC Sample Name: T39097-5 Operator:
Run Time: 10/15/09 05:56 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00249	93.039	.08194	-.00092	4.7443	.00526
SDev	.00052	.5736	.00125	.00031	.02257	.00009
%RSD	20.949	.61651	1.5276	33.949	.47586	1.8567

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1509.1	.00722	.03785	.73748	.74594	138.86
SDev	9.0378	.00012	.00087	.00331	.00526	.55799
%RSD	.59887	1.7965	2.3072	.44943	.70606	.40184

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	14.881	55.781	5.7642	.10183	3.444	.19981
SDev	.17642	.17347	.01939	.00103	.0247	.00053
%RSD	1.1856	.311	.33649	1.0173	.7175	.2665

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.76089	.89125	.84810	.00493	.04895	.05945
SDev	.0025	.00613	.00469	.0014	.00308	.00433
%RSD	.32937	.68817	.55367	28.533	6.3051	7.2978

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02758	-.02032	.01798	.4183	1.831	1.0024
SDev	.00069	.00127	.00272	.0024	.006	.00137
%RSD	2.5332	6.2768	15.136	.5741	.3301	.13681

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00902	.36406	2.8858
SDev	.00181	.00063	.00785
%RSD	20.138	.17435	.27231

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Method: ICAPNC Sample Name: T39097-6 Operator:
Run Time: 10/15/09 06:02 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00329	223.35	.11367	.04261	3.7931	.00891
SDev	.00013	.53462	.00115	.00078	.00486	.00003
%RSD	4.0642	.23936	1.0181	1.8535	.12839	.37319

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1533.4	.00636	.07155	.48334	1.0556	196.83
SDev	6.7621	.00014	.00037	.00058	.00114	.24152
%RSD	.44097	2.2835	.52331	.12042	.10805	.1227

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	30.366	47.260	5.2346	.15422	2.132	.17195
SDev	.07524	.0321	.00384	.00115	.019	.00058
%RSD	.2478	.06793	.07343	.74674	.8903	.34181

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.54762	.76491	.69284	.00677	.04111	.05497
SDev	.00443	.00554	.00232	.00189	.00296	.00447
%RSD	.80898	.72519	.33627	27.894	7.2122	8.1486

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01314	-.02099	.02113	.2922	1.242	.99114
SDev	.00184	.00287	.00294	.0027	.0011	.00085
%RSD	14.004	13.719	13.92	.9085	.0862	.08652

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00855	.44099	4.3060
SDev	.00347	.00017	.00371
%RSD	40.571	.04056	.08632

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Method: ICAPNC Sample Name: T39097-7 Operator:
Run Time: 10/15/09 06:09 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00938	384.27	.36900	.08861	5.5402	.02465
SDev	.00018	.80729	.00191	.00321	.02362	.00015
%RSD	1.9549	.21008	.5177	3.6265	.42636	.6127

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1076.2	.00741	.19194	.62560	3.3646	400.31
SDev	4.9634	.00061	.0008	.00137	.01769	.84937
%RSD	.46117	8.2932	.41696	.21994	.52588	.21218

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.326	46.677	6.2329	.55314	5.597	.23233
SDev	.31987	.04009	.01512	.00407	.0589	.00125
%RSD	.77403	.0859	.2427	.73614	1.052	.54091

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.6452	2.0651	1.9255	.00010	.08278	.11251
SDev	.00208	.01116	.00676	.00175	.00285	.00539
%RSD	.12684	.54054	.35155	1608.7	3.4461	4.7929

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02344	-.03239	.01687	.2406	1.590	1.3520
SDev	.00334	.00605	.00074	.0058	.0052	.00332
%RSD	14.288	18.701	4.4436	2.413	.3299	.24626

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00556	.66791	H12.126
SDev	.00734	.00059	.02058
%RSD	132.09	.08875	.16973

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Method: ICAPNC Sample Name: T39097-8 Operator:
Run Time: 10/15/09 06:15 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00581	115.98	.25131	.09112	2.8183	.00594
SDev	.00171	.12336	.00112	.00269	.00293	0
%RSD	29.432	.10637	.44767	2.9629	.10411	.12404

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1589.2	.00939	.11879	.43036	2.7224	197.47
SDev	7.433	.00037	.00035	.00232	.00271	.18095
%RSD	.4677	4.0351	.3022	.54097	.09984	.09163

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	20.006	38.258	9.8364	.45442	3.820	.15117
SDev	.01066	.02484	.00548	.00424	.1153	.0018
%RSD	.0533	.06495	.05578	.93391	3.02	1.1928

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.1470	1.3109	1.2567	.00746	.05967	.07609
SDev	.00376	.01057	.00646	.00103	.00329	.00552
%RSD	.32782	.8064	.51411	13.92	5.5169	7.2627

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02656	-.01385	.01860	.0929	1.597	1.9752
SDev	.00117	.00412	.00221	.0051	.0015	.00096
%RSD	4.4398	29.769	11.928	5.523	.0924	.04868

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00647	.37268	9.7307
SDev	.00812	.00044	.00961
%RSD	125.34	.11934	.09881

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Method: ICAPNC Sample Name: T39177-14 Operator:
Run Time: 10/15/09 06:22 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00495	224.95	.08264	.00721	H42.161	.01227
SDev	.00034	.67764	.00169	.00109	.14995	.00001
%RSD	6.9599	.30124	2.0569	15.142	.35565	.15037

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	325.21	-.00182	.09904	.15384	.30502	247.36
SDev	1.1104	.00031	.0005	.00027	.00093	.26793
%RSD	.34145	17.095	.51406	.17786	.30687	.10831

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.465	63.152	9.3558	.03037	21.52	.17698
SDev	.22348	.04286	.01376	.00044	.1322	.00099
%RSD	.53896	.06787	.14715	1.4732	.6145	.56156

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00457	.26655	.17652	L-.00583	.00090	.01792
SDev	.00291	.00341	.00156	.00049	.00255	.00478
%RSD	63.71	1.28	.88425	8.4741	282.49	26.724

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03321	-.02940	.00603	.0113	1.090	.93838
SDev	.00207	.00353	.0025	.003	.0023	.00008
%RSD	6.2471	12.013	41.443	26.36	.2093	.00945

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00530	.31708	.70210
SDev	.00341	.00035	.00025
%RSD	64.34	.11188	.03613

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Method: ICAPNC Sample Name: T39177-15 Operator:
Run Time: 10/15/09 06:28 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00314	131.13	.10697	.01534	H36.348	.00712
SDev	.00023	.24817	.00183	.00115	.03155	0
%RSD	7.5532	.18925	1.717	7.5278	.08681	.10008

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	180.63	.00010	.06883	.11112	.10460	137.69
SDev	.74478	.00018	.00044	.00028	.00026	.28789
%RSD	.41231	177.67	.64041	.25533	.25495	.20908

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	25.511	38.739	3.3392	.01982	13.08	.11181
SDev	.0374	.10272	.00577	.00025	.0358	.00098
%RSD	.14661	.26517	.17295	1.2762	.2736	.88292

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00310	.14761	.09766	.00144	.00170	.01146
SDev	.0017	.00157	.00074	.00175	.00127	.00248
%RSD	54.886	1.0656	.76062	121.8	74.766	21.651

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01810	-.01425	.00921	.0112	.6383	.60664
SDev	.0014	.00182	.00173	.0022	.0004	.00089
%RSD	7.7466	12.782	18.874	19.67	.0608	.14715

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00428	.22482	.37507
SDev	.00087	.00049	.00056
%RSD	20.437	.21969	.15004

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Method: ICAPNC Sample Name: T39177-16 Operator:
Run Time: 10/15/09 06:35 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00325	214.86	.07542	.06281	H41.051	.02766
SDev	.00017	.21285	.002	.00186	.06349	.00004
%RSD	5.4145	.09906	2.657	2.9622	.15466	.17904

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	144.12	-.00157	.08247	.16944	.14656	180.72
SDev	.21975	.00015	.00015	.00076	.00024	.22399
%RSD	.15247	10.112	.19105	.45075	.1683	.12394

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	57.826	63.936	2.8559	.02596	26.45	.18383
SDev	.06696	.10589	.00301	.00039	.0872	.0007
%RSD	.11579	.16562	.10561	1.5114	.3296	.38557

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00435	.20735	.13711	-.00146	-.00209	.00987
SDev	.00115	.00065	.00042	.00013	.00227	.00439
%RSD	26.504	.31745	.31243	9.09	108.27	44.501

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02625	-.01920	.00735	.0168	1.067	.77003
SDev	.00211	.00244	.0014	.0034	.0004	.00174
%RSD	8.0692	12.715	19.153	20.5	.0353	.22715

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00521	.34038	.58598
SDev	.00387	.00072	.00017
%RSD	74.246	.21439	.03035

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 06:43 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25111	40.175	1.9866	2.0028	2.0476	1.9972
SDev	.00046	.05188	.00387	.00177	.00078	.00185
%RSD	.18589	.12915	.19522	.08873	.03829	.09293

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.548	1.9903	1.9495	1.9598	1.9921	39.286
SDev	.04014	.00234	.0014	.00248	.00062	.03216
%RSD	.1015	.11782	.0719	.12671	.03138	.08187

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.412	39.545	1.9625	1.9240	40.31	1.9923
SDev	.04863	.03816	.00143	.01601	.0889	.00279
%RSD	.12035	.0965	.07318	.83225	.2206	.14048

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9584	1.9988	1.9855	1.9978	1.9240	1.8813
SDev	.00404	.00174	.00147	.00281	.07855	.10336
%RSD	.20633	.0872	.07416	.14098	4.0832	5.4944

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0090	2.0277	1.9827	1.826	1.871	1.9967
SDev	.02897	.0064	.00153	.0093	.0012	.00101
%RSD	1.442	.31565	.07749	.5091	.0616	.05095

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9484	1.9766	1.9977
SDev	.02353	.00075	.00024
%RSD	1.2079	.03822	.01243

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 06:53 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00057	-.00637	.00044	-.00070	.00009	-.00019
SDev	.00036	.0013	.00067	.00046	.00002	.00003
%RSD	63.428	20.51	151.24	66.131	25.139	16.367

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00244	.00009	-.00006	.00041	-.00001	-.00108
SDev	.00048	.00012	.00022	.00024	.00013	.00446
%RSD	19.778	123.16	349.57	58.082	861.32	410.88

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.11859	.00180	.00023	.00023	.0326	.00053
SDev	.00539	.00143	.00003	.00037	.0751	.00023
%RSD	4.5493	79.775	13.22	156.69	230.5	44.472

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00085	-.00034	-.00031	.00091	.00040	.00091
SDev	.0011	.00089	.00084	.00092	.00155	.00226
%RSD	128.6	259.4	271.21	100.75	388.87	248.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00116	.00111	.00053	.0014	.0000	.00042
SDev	.00052	.00124	.00077	.0012	0	.0003
%RSD	44.614	112.17	144.63	80.02	97.19	71.019

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00072	.00013	.00042
SDev	.00203	.00013	.00005
%RSD	279.65	99.536	13.977

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Method: ICAPNC Sample Name: T39395-1 Operator:
Run Time: 10/15/09 06:59 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00557	275.75	.07970	.05220	.73464	.01865
SDev	.0003	.81147	.00111	.00286	.00066	.00001
%RSD	5.4962	.29427	1.4024	5.4944	.09039	.08109

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.351	L-.00485	.16764	.41009	.33750	446.13
SDev	.05755	.0004	.00043	.00059	.00035	.7428
%RSD	.22701	8.2765	.25692	.14424	.10455	.1665

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	37.865	79.511	2.9295	.04776	1.761	.55991
SDev	.09349	.15705	.00303	.00078	.0457	.00017
%RSD	.2469	.19752	.10367	1.6512	2.595	.03061

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.07504	.36072	.21582	L-.00808	-.00377	.02532
SDev	.00432	.00491	.00231	.00134	.00234	.00382
%RSD	5.7612	1.3631	1.0748	16.576	61.988	15.11

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.06172	-.04496	.01052	.0171	.2171	.60145
SDev	.00371	.00504	.00438	.004	.0002	.00124
%RSD	6.0119	11.22	41.622	23.63	.0982	.20725

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00079	.36441	1.0869
SDev	.00527	.00099	.00122
%RSD	665.88	.27395	.11315

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Method: ICAPNC Sample Name: T39395-2 Operator:
Run Time: 10/15/09 07:06 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01233	290.54	.17426	.00669	.99235	.02542
SDev	.00052	.97618	.00099	.00396	.00276	.00003
%RSD	4.2697	.33599	.56812	59.172	.27883	.14383

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	18.375	L-.01197	.10548	.42647	.35813	922.48
SDev	.06829	.00049	.00019	.00091	.0013	1.7021
%RSD	.37168	4.1232	.18408	.21555	.36411	.1845

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	30.451	51.600	4.7963	.10026	1.981	.50167
SDev	.18048	.06529	.00768	.00111	.0255	.00091
%RSD	.59269	.12653	.16028	1.1081	1.285	.18246

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.32517	.48414	.21488	L-.01634	L-.00716	.05311
SDev	.00433	.00465	.00173	.0023	.00219	.00454
%RSD	1.3345	.96106	.80594	14.078	30.701	8.5473

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.12672	-.08720	.01970	.0120	.1926	.51682
SDev	.00252	.0055	.00436	.0057	.0005	.00203
%RSD	1.9943	6.312	22.153	47.66	.2356	.39361

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00555	.44768	.97859
SDev	.00739	.00058	.00092
%RSD	133.18	.13131	.0945

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Method: ICAPNC Sample Name: T39395-3 Operator:
Run Time: 10/15/09 07:12 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00780	279.87	.13101	.01482	.97827	.01980
SDev	.00044	.51475	.00091	.00379	.00147	.00003
%RSD	5.6726	.18392	.70073	25.599	.15068	.19628

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	21.632	L-.00691	.26101	.38133	.34878	626.94
SDev	.03514	.00039	.00046	.00056	.00078	.36596
%RSD	.16245	5.7316	.17772	.147	.22589	.05837

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.334	74.534	16.960	.06696	2.610	.63294
SDev	.07041	.07447	.00733	.00109	.0217	.00113
%RSD	.22472	.09992	.04322	1.6414	.8323	.17908

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11863	.46211	.26896	L-.01272	L-.00801	.03254
SDev	.00218	.00478	.00247	.00186	.00261	.00528
%RSD	1.8434	1.0354	.91845	14.615	32.686	16.227

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.08859	-.06236	.01243	.0136	.2289	.49399
SDev	.00285	.00287	.00421	.0036	.0003	.00078
%RSD	3.2192	4.6057	33.914	26.75	.1489	.15866

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00003	.37191	1.2640
SDev	.00672	.00067	.00117
%RSD	17721	.18017	.09293

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Method: ICAPNC Sample Name: T39395-4 Operator:
Run Time: 10/15/09 07:19 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00724	207.05	.13444	.05270	1.8597	.01262
SDev	.00012	.4505	.00065	.00196	.00229	.00002
%RSD	1.6907	.21758	.48572	3.7209	.12365	.22214

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	69.818	.00048	.13214	.25454	.25517	366.58
SDev	.06418	.00022	.00017	.00019	.00062	.26715
%RSD	.09193	46.199	.12868	.07551	.24614	.07287

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.532	19.930	4.1676	.04673	1.260	.22819
SDev	.05343	.02266	.00106	.00052	.0906	.00053
%RSD	.28833	.11371	.02549	1.1305	7.193	.23582

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.0540	1.4041	1.2878	-.00452	.00004	.02459
SDev	.00257	.00814	.00519	.00098	.00165	.00166
%RSD	.2445	.58023	.40344	21.794	3894.3	6.7623

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04899	-.03565	.01112	.0509	.2699	1.0645
SDev	.00254	.00149	.00153	.0034	.0003	.00133
%RSD	5.1927	4.1901	13.769	6.699	.0973	.12504

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00410	.42611	2.1860
SDev	.00329	.00059	.00135
%RSD	80.413	.13899	.06189

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Method: ICAPNC Sample Name: T39395-5 Operator:
Run Time: 10/15/09 07:25 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00422	157.31	.06912	.01869	1.2312	.00725
SDev	.00037	.21884	.00055	.00188	.00249	.00003
%RSD	8.9659	.13911	.80417	10.083	.2023	.52322

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	27.394	L-.00428	.10200	.17625	.05917	327.37
SDev	.09383	.00027	.00007	.00018	.00012	.78025
%RSD	.34252	6.5264	.07402	.10229	.21456	.23834

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.966	11.619	13.118	.03869	.7921	.14175
SDev	.05577	.02953	.02124	.00013	.0466	.00064
%RSD	.3493	.25416	.16196	.34494	5.889	.45321

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.12117	.42644	.32501	-.00196	-.00206	.02000
SDev	.00096	.00405	.00245	.00211	.00069	.0014
%RSD	.79591	.95111	.75573	107.5	33.805	7.0345

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04620	-.03282	.01349	.0186	.1157	1.2730
SDev	.00149	.00143	.00245	.0028	.0001	.00047
%RSD	3.2392	4.363	18.211	15.02	.1377	.03759

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00622	.29376	.27125
SDev	.00389	.00087	.00038
%RSD	62.593	.29757	.1416

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Method: ICAPNC Sample Name: T39500-1 Operator:
Run Time: 10/15/09 07:32 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01144	86.771	.05513	.50653	5.5566	.00120
SDev	.00025	.16805	.00077	.00169	.01307	.00006
%RSD	2.1933	.19367	1.4033	.33451	.23537	5.3605

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	169.74	.00385	.01475	.09900	1.9405	26.634
SDev	.73603	.00008	.00007	.00041	.00542	.09803
%RSD	.43362	2.0787	.49046	.41452	.27935	.36806

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.972	17.442	5.1842	.06894	49.53	.06232
SDev	.0807	.02521	.01156	.00085	.0992	.00025
%RSD	.50529	.14458	.22306	1.2465	.2003	.40436

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03306	.07984	.06455	.05466	.00190	.00458
SDev	.00111	.00155	.00068	.0007	.00214	.00363
%RSD	3.3821	1.9505	1.0585	1.2911	112.34	79.261

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00397	.04785	.05785	.1966	2.145	.22381
SDev	.00085	.00091	.00062	.0012	.0021	.00124
%RSD	21.44	1.9054	1.0838	.6273	.0981	.55831

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01231	.03462	5.9438
SDev	.00227	.00017	.00477
%RSD	18.52	.51205	.08032

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Method: ICAPNC Sample Name: T39501-1 Operator:
Run Time: 10/15/09 07:38 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00861	46.253	.02669	.41790	4.7393	.00050
SDev	.00032	.03412	.00055	.00074	.01505	.00006
%RSD	3.73	.07378	2.0707	.17745	.31771	12.606

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	123.54	.00264	.00546	.04106	1.5547	13.770
SDev	1.1322	.00013	.0004	.00032	.00383	.09624
%RSD	.91648	5.0575	7.4967	.80041	.24675	.69892

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	29.055	26.468	1.7476	.03482	56.16	.05031
SDev	.15808	.16798	.00814	.00068	.2098	.00067
%RSD	.54407	.63466	.46586	1.9684	.3737	1.3436

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.03106	.05278	.04584	.03360	-.00064	.00070
SDev	.00132	.00162	.00085	.0009	.00104	.00099
%RSD	4.2774	3.0733	1.8736	2.6853	160.91	141.11

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00387	.02523	.03756	.1276	1.673	.16954
SDev	.00167	.00184	.00074	.0004	.0019	.00066
%RSD	43.327	7.3146	1.9896	.3125	.1164	.39396

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01265	.01261	2.5786
SDev	.0016	.00035	.01106
%RSD	12.686	2.8122	.42917

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Method: ICAPNC Sample Name: T39531-1 Operator:
Run Time: 10/15/09 07:45 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00092	770.13	.24813	.03397	.34531	.00446
SDev	.00043	2.4958	.00195	.00014	.00114	.00004
%RSD	47.476	.32407	.78702	.41567	.33038	1.0132

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	12.189	-.00145	.00663	.04772	27.649	27.735
SDev	.04523	.00083	.00052	.00037	.10482	.0599
%RSD	.37114	57.223	7.9381	.78323	.37911	.21597

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.3220	3.9657	3.7547	.02005	6.840	.03741
SDev	.04288	.00615	.00282	.00133	.0541	.00002
%RSD	.80576	.15528	.0752	6.6331	.7905	.05397

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.14351	.08804	.01117	.00974	-.00142	-.00300
SDev	.00226	.00476	.00257	.00057	.00583	.01169
%RSD	1.5781	5.4094	23.047	5.8721	409.02	389.05

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00120	.00869	.01001	.0105	.1091	.34990
SDev	.00588	.01212	.00551	.0141	.0002	.00038
%RSD	488.14	139.37	55.096	133.5	.1811	.1107

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00779	.10533	.02790
SDev	.01148	.00033	.00017
%RSD	147.38	.31931	.62088

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 07:53 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25391	40.628	2.0067	2.0178	2.0726	2.0149
SDev	.00003	.06786	.00429	.00152	.00194	.00267
%RSD	.01537	.16703	.21394	.07553	.09363	.1328

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.026	2.0086	1.9692	1.9797	2.0129	39.621
SDev	.00764	.00253	.00118	.00081	.00165	.02942
%RSD	.0191	.12607	.05999	.04139	.082	.07427

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.853	39.860	1.9820	1.9470	40.69	2.0076
SDev	.08098	.033	.00092	.01634	.083	.00292
%RSD	.19823	.08279	.04648	.83967	.2039	.14545

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9783	2.0155	2.0033	2.0196	1.9564	1.9175
SDev	.00268	.00115	.00038	.00165	.07478	.09707
%RSD	.13557	.05738	.01915	.08219	3.8224	5.0627

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0338	2.0477	2.0053	1.855	1.894	2.0236
SDev	.03013	.00392	.00179	.0088	.004	.00095
%RSD	1.4818	.19188	.08974	.4759	.211	.04741

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9650	1.9950	2.0176
SDev	.02402	.0006	.0013
%RSD	1.2225	.03032	.06464

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 08:03 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00067	-.01329	.00061	-.00066	.00002	-.00014
SDev	.00005	.00391	.00042	.00017	0	.00002
%RSD	8.6076	29.424	68.032	26.967	3.5478	14.419

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00171	.00009	.00019	.00029	-.00006	-.00340
SDev	.00008	.00006	.00013	.00014	.00005	.0014
%RSD	5.1159	61.193	70.308	51.002	80.765	41.401

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.10973	.00331	.00022	.00026	.0433	.00054
SDev	.00569	.00181	.00006	.00023	.0718	.00048
%RSD	5.188	54.653	30.29	87.88	165.7	88.868

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00014	-.00113	-.00059	.00138	.00068	.00119
SDev	.00102	.00071	.00082	.00145	.00039	.00064
%RSD	711.38	63.264	139.4	104.84	56.871	53.697

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00086	-.00011	.00185	.0009	.0000	.00031
SDev	.00044	.0042	.00154	.0013	0	.00026
%RSD	51.541	3568.1	83.489	139.2	965.9	85.173

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00010	.00006	.00047
SDev	.0015	.00009	.00005
%RSD	1371.8	141.98	12.213

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 08:26 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01072	.18003	.00430	.10466	.21277	.00489
SDev	.00035	.00181	.00153	.00062	.00057	.00001
%RSD	3.2922	1.0104	35.726	.59792	.27039	.32112

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.7925	.00424	.04988	.01025	.02487	.09015
SDev	.00748	.00009	.00048	.00021	.00012	.00555
%RSD	.15609	2.2397	.97957	2.1393	.50181	6.1658

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7686	4.8636	.01550	.00999	4.966	.04053
SDev	.0085	.00939	.00006	.0007	.0241	.00018
%RSD	.17829	.19309	.43685	7.1018	.4863	.44751

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00245	.00267	.00283	.00602	.00289	.00327
SDev	.00177	.00068	.001	.00184	.00087	.00104
%RSD	72.286	25.718	35.393	30.657	30.222	31.755

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00158	.00548	.00602	.0203	.0178	.02070
SDev	.00084	.00255	.00204	.0006	0	.00022
%RSD	53.653	46.59	33.923	3.079	.1591	1.0993

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00938	.04944	.02698
SDev	.00165	.00055	.001
%RSD	17.682	1.1189	3.7429

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 08:34 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01090	.21406	.00513	.11611	.20237	.00372
SDev	.00042	.00266	.0016	.00083	.00011	0
%RSD	3.8933	1.246	31.315	.71909	.05837	.13213

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8424	.00416	L.01962	.01005	.02428	.09483
SDev	.00566	.00019	.00014	.00024	.00023	.00504
%RSD	.11708	4.647	.73813	2.4767	.94977	5.3231

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8384	4.8938	.01515	.00983	5.034	.03874
SDev	.01135	.01047	.00005	.00032	.0323	.00076
%RSD	.23458	.21405	.35749	3.3518	.6408	1.9629

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00014	.00278	.00211	.00480	.00312	.00359
SDev	.00093	.0009	.00078	.00022	.00101	.00094
%RSD	640.78	32.303	37.121	4.5791	32.441	26.41

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00164	.00359	.00514	.0191	.0179	.02060
SDev	.00125	.00108	.00041	.0022	0	.00011
%RSD	76.6	30.068	7.9993	11.39	.0764	.55685

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00978	L.01984	.02451
SDev	.002	.00018	.00023
%RSD	20.536	.95473	.94753

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/15/09 08:40 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00308	490.71	.00126	-.06694	.00199	-.00040
SDev	.00017	.27239	.00104	.001	.00004	.00002
%RSD	5.626	.05551	82.394	1.5045	2.4961	5.5062

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	490.80	-.00167	-.00104	.00676	-.00440	190.79
SDev	1.1079	.00011	.00022	.00033	.00017	.06729
%RSD	.22573	7.0812	21.214	4.9724	3.9798	.03527

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.64561	501.37	-.00421	.01853	.1496	.00049
SDev	.00041	.76813	.00028	.00041	.0245	.00045
%RSD	.06481	.1532	6.6464	2.2565	16.37	91.367

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.21494	.10475	-.00142	-.00469	.00077	.01604
SDev	.00311	.00165	.0011	.00063	.00122	.00192
%RSD	1.4504	1.5845	77.371	13.61	157.89	11.986

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02972	-.02505	.00571	-.0047	.0005	.00182
SDev	.00021	.00401	.00158	.0038	0	.0001
%RSD	.72002	16.029	27.785	79.54	1.217	6.0344

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00003	.00125	-.00163
SDev	.00255	.00007	.00014
%RSD	7163.8	5.9198	9.0328

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Analysis Report Averages 10/19/09 08:39:21 AM page 165

Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/15/09 08:47 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0553	494.21	.51282	-.07111	.52882	.48799
SDev	.00089	.43698	.00179	.00114	.0006	.00055
%RSD	.08486	.08842	.35053	1.6069	.11499	.11392

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	495.47	.93656	.47598	.48229	.52293	194.25
SDev	.16487	.00089	.00023	.00085	.00042	.10261
%RSD	.03327	.09565	.04884	.17756	.08149	.05282

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.67101	506.37	.48920	.49983	.1287	.90173
SDev	.0034	.40843	.0003	.00472	.0212	.00216
%RSD	.50727	.08065	.06279	.94527	16.5	.23974

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27260	.58707	.48267	.49871	.97438	.97278
SDev	.0059	.00088	.00155	.00204	.03	.03595
%RSD	2.1676	.15042	.32123	.40979	3.0793	3.6958

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.97769	.48928	.50365	-.0052	.0004	.00180
SDev	.01809	.0019	.00234	.0033	0	.0001
%RSD	1.851	.38981	.4659	63.49	1.631	6.0006

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.45890	.48858	1.0335
SDev	.02017	.00071	.0005
%RSD	4.3954	.14716	.04885

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 08:55 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24620	38.987	1.9504	1.9583	1.9921	1.9661
SDev	.0004	.08061	.00171	.00358	.00221	.00173
%RSD	.16279	.20677	.08767	.18312	.11139	.08828

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	38.876	1.9526	1.9135	1.9240	1.9332	38.524
SDev	.03685	.0037	.00121	.00295	.00277	.02543
%RSD	.0948	.18956	.06339	.15337	.14371	.06602

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.264	38.812	1.9215	1.8937	38.96	1.9490
SDev	.07712	.01739	.0014	.01286	.1237	.00235
%RSD	.19642	.04481	.07294	.6793	.3175	.1209

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9167	1.9565	1.9436	1.9564	1.8926	1.8558
SDev	.00349	.00265	.0007	.00234	.08209	.10716
%RSD	.18229	.13551	.03606	.11977	4.3376	5.7743

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9657	1.9851	1.9418	1.815	1.814	1.9566
SDev	.03193	.00278	.00339	.0041	.0019	.00106
%RSD	1.6244	.14053	.17488	.2254	.1041	.05456

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9138	1.9315	1.9696
SDev	.01904	.00019	.00183
%RSD	.99536	.00984	.09317

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Analysis Report Averages 10/19/09 08:39:21 AM page 167

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 09:05 Filename: R101409
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00101	-.01341	.00118	-.00083	.00008	-.00013
SDev	.00051	.00317	.00082	.00071	.00004	.00003
%RSD	51.248	23.68	69.783	86.201	52.543	25.616

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00042	.00026	.00001	.00095	-.00001	-.00163
SDev	.00164	.00029	.00011	.00063	.00017	.00143
%RSD	382.58	111.23	658	67.036	897.93	87.53

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.09127	.00079	.00028	.00057	.0320	.00088
SDev	.00461	.00068	.00009	.0001	.0113	.00077
%RSD	5.0514	86.479	34.479	17.65	35.43	87.474

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00143	-.00005	-.00028	.00042	.00209	.00260
SDev	.00076	.00017	.00015	.00095	.00216	.00297
%RSD	53.546	314.87	54.556	224.69	102.99	114.07

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00052	-.00169	.00119	.0024	.0000	.00030
SDev	.00207	.00212	.00067	.0021	0	.0001
%RSD	392.9	125.28	56.543	86.72	39.9	32.64

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00215	.00017	.00053
SDev	.00168	.00012	.00004
%RSD	78.347	71.666	8.5332

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Analysis Report Averages 10/26/09 01:56:40 PM page 1

Method: ICAPNC Sample Name: STDA Operator:
Run Time: 10/15/09 09:32 Filename: R101509
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	count	count	count	count	count	count
Avge	.00007	.01705	.00018	.0034	.00065	-.00795
SDev	.00056	.00005	.00016	.00023	.00002	.00004
%RSD	738.175	.29377	87.5179	6.78388	4.12405	.51033

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	count	count	count	count	count	count
Avge	.00499	-.00015	-.00013	.00024	.01794	-.00023
SDev	.00001	.00047	.00034	.00008	.00035	.0001
%RSD	.37998	307.181	264.101	32.8552	1.95492	43.7279

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	count	count	count	count	count	count
Avge	.00425	.00084	.00145	.00059	-.00013	.02058
SDev	0	.00016	.00005	.00023	.00024	.00098
%RSD	.21645	19.6827	3.59737	39.156	186.991	4.76466

Elems	2203-1	2203-2	2068-1	2068-2	1960-1	1960-2
Units	count	count	count	count	count	count
Avge	.00604	-.00142	.00074	.00162	-.00438	.0025
SDev	.00153	.00172	.00139	.00017	.00031	.00058
%RSD	25.4772	121.676	186.58	10.9771	7.0874	23.4308

Elems	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2138
Units	count	count	count	count	count	count
Avge	-.00152	.01051	-.00009	-.00405	.00006	.00015
SDev	.00294	.00077	.00002	.00006	.00016	.00007
%RSD	193.477	7.38573	25.0873	1.56729	240.748	45.766

◀ Zoom In ▶
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Analysis Report Averages 10/26/09 01:56:40 PM page 2

Method: ICAPNC Sample Name: STDC Operator:
Run Time: 10/15/09 09:38 Filename: R101509
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	2068-1	2068-2
Units	count	count	count
Avge	.62502	3.88237	3.37847
SDev	.00745	.18838	.07251
%RSD	1.19347	4.85226	2.14652

◀ Zoom In ▶
Zoom Out

Analysis Report Averages 10/26/09 01:56:40 PM page 3

Method: ICAPNC Sample Name: STDE Operator:
Run Time: 10/15/09 09:44 Filename: R101509
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na3302
Units	count	count	count	count	count	count
Avge	2.92943	5.48424	1.75659	.2341	6.45849	.32012
SDev	.02166	.01919	.00749	.0005	.02741	.00257
%RSD	.73968	.35001	.42661	.21738	.42455	.8042

◀ Zoom In ▶
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Analysis Report Averages 10/26/09 01:56:40 PM page 4

Method: ICAPNC Sample Name: STDB Operator:
Run Time: 10/15/09 09:49 Filename: R101509
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Units	count	count	count	count	count	count
Avge	2.49965	3.32434	4.08897	9.71605	17.0666	3.25907
SDev	.00334	.00727	.0101	.02017	.03818	.00553
%RSD	.13398	.21884	.24706	.2076	.22376	.1697

Elems	Cr2677	Cu3247	Mn2576	Mo2020	Ni2316	2203-1
Units	count	count	count	count	count	count
Avge	1.50348	10.9213	14.9315	1.76569	6.4313	5.4467
SDev	.00336	.02054	.03163	.01682	.01277	.00548
%RSD	.22364	.18811	.21185	.9528	.19866	.10077

Elems	2203-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units	count	count	count	count	count	count
Avge	7.30386	1.45767	1.82951	10.0347	268.102	.51528
SDev	.02134	.00259	.00487	.03284	.65959	.00109
%RSD	.29228	.17785	.26673	.32727	.24602	.21302

Elems	Tl1908	Zn2138
Units	count	count
Avge	1.42196	3.66779
SDev	.00156	.00628
%RSD	.11001	.17126

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Method: ICAPNC Sample Name: STDD Operator:
Run Time: 10/15/09 09:56 Filename: R101509
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	V_2924
Units	count
Avge	1.39856
SDev	.01826
%RSD	1.30585

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Analysis Report Averages 10/26/09 01:56:40 PM page 6

Method: ICAPNC Sample Name: HSTD Operator:
Run Time: 10/15/09 10:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50176	81.478	4.0107	3.8872	4.0013	3.9489
SDev	.00053	.10039	.01255	.00346	.0027	.00477
%RSD	.10589	.12321	.31309	.08904	.06758	.12102

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	81.039	3.8898	3.9197	3.9282	4.0345	81.104
SDev	.09747	.00557	.00458	.00555	.00794	.0794
%RSD	.12028	.14344	.11707	.14143	.19683	.0979

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	80.823	81.283	3.9329	3.9630	80.79	3.9090
SDev	.18957	.0771	.00377	.03816	.0875	.00492
%RSD	.23454	.09486	.09596	.96301	.1083	.12593

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	3.8925	3.9635	3.9401	4.0369	4.0151	4.0350
SDev	.00294	.0156	.01045	.01134	.17811	.23582
%RSD	.07559	.39373	.26535	.28103	4.4361	5.8445

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	3.9748	4.0397	4.0353	3.926	3.943	3.9571
SDev	.0625	.00584	.01604	.0169	.0005	.0039
%RSD	1.5727	.14467	.39766	.4305	.0127	.09871

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	3.9323	3.9315	3.9130
SDev	.03706	.00279	.00211
%RSD	.94261	.07098	.054

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Analysis Report Averages 10/26/09 01:56:40 PM page 7

Method: ICAPNC Sample Name: ICV Operator:
Run Time: 10/15/09 11:14 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.49508	4.9163	.99771	.95831	1.0033	1.0082
SDev	.00086	.00833	.00138	.00055	.00089	.00031
%RSD	.17479	.16943	.13906	.05769	.0891	.03148

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8784	.99590	.99161	.99008	.98449	4.8469
SDev	.04404	.00072	.00056	.001	.00117	.00605
%RSD	.90281	.07308	.05648	.10145	.11954	.12488

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.8829	4.8324	.99287	.99553	5.071	.99846
SDev	.01503	.00652	.0003	.00755	.0452	.00163
%RSD	.30787	.13493	.03039	.75908	.8922	.16407

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.99460	.99046	.99207	1.0070	1.0141	1.0144
SDev	.00221	.00241	.00223	.00117	.05003	.0655
%RSD	.22278	.24338	.22494	.11688	4.9343	6.4581

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.0130	1.0102	1.0051	.9912	.9576	1.0043
SDev	.01904	.00531	.00183	.0038	.0024	.0003
%RSD	1.8805	.52598	.18266	.3882	.2527	.03012

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.99369	.99235	1.0294
SDev	.00152	.00037	.00363
%RSD	.15373	.03739	.35279

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Method: ICAPNC Sample Name: ICB Operator:
Run Time: 10/15/09 11:22 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00038	-.00178	-.00067	-.00073	.00002	.00000
SDev	.0003	.00381	.00144	.00045	.00005	.00001
%RSD	78.518	213.37	212.48	61.799	233.06	195.85

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00034	-.00005	.00014	-.00017	.00007	-.01645
SDev	.00063	.00014	.00041	.00057	.00013	.0009
%RSD	181.02	250.79	289.54	334.82	176.55	5.5042

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00732	.00063	.00003	.00127	-.0501	-.00015
SDev	.00143	.00119	.00005	.00069	.039	.00072
%RSD	19.585	186.58	167.53	54.786	77.97	469.76

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00048	-.00040	.00012	.00120	.00292	.00254
SDev	.00089	.00094	.00055	.00141	.00117	.0011
%RSD	184.04	234.07	437.59	117.87	40.259	43.265

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00314	-.00001	.00150	.0015	-.0001	.00030
SDev	.00149	.00023	.00215	.001	0	.0002
%RSD	47.442	1982.3	143.78	64.81	40.28	66.148

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00301	.00004	.00000
SDev	.00181	.00033	.00001
%RSD	60.141	675.83	160.66

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 11:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00982	.20544	.00441	.10606	.21488	.00521
SDev	.00026	.00202	.0009	.00018	.00004	0
%RSD	2.688	.98624	20.623	.17881	.01896	.05382

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9679	.00404	.05195	.01006	.02586	.08710
SDev	.00876	.00009	.00024	.00024	.00028	.00434
%RSD	.17635	2.4007	.46996	2.4804	1.1033	4.9934

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9528	5.0539	.01602	.01120	5.041	.04108
SDev	.00645	.00377	.00007	.00034	.0318	.00057
%RSD	.13037	.07473	.44041	3.078	.6307	1.3892

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00266	.00315	.00321	H.00758	.00640	.00686
SDev	.00045	.00042	.00013	.00101	.00036	.00027
%RSD	17.156	13.483	4.148	13.409	5.7152	4.0741

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00493	.00546	.00836	.0202	.0180	.02127
SDev	.00113	.00054	.00174	.001	0	.00007
%RSD	22.995	9.961	20.909	4.746	.0959	.36493

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00852	.05028	.02750
SDev	.00257	.00057	.00009
%RSD	30.229	1.1339	.33575

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 11:35 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00977	.23134	.00464	.12965	.20548	.00402
SDev	.00041	.00277	.00099	.00057	.00031	.00004
%RSD	4.2162	1.2008	21.463	.44342	.15334	1.0579

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	5.0507	.00385	L.02021	.00980	.02498	.08732
SDev	.01316	.00014	.00006	.00016	.00012	.00349
%RSD	.26064	3.7522	.33737	1.7309	.51137	4.0074

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.0029	5.0983	.01565	.01066	5.166	.03887
SDev	.0202	.01287	.00008	.00021	.0278	.00031
%RSD	.40382	.25252	.52403	2.062	.5386	.81718

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00346	.00211	.00279	H.00796	.00697	.00704
SDev	.00032	.00144	.00106	.00121	.00122	.00171
%RSD	9.2987	68.413	38.146	15.298	17.564	24.373

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00629	.00843	.00745	.0213	.0181	.02109
SDev	.0009	.00191	.00275	.0005	0	.00006
%RSD	14.292	22.757	36.898	2.233	.0993	.3014

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00738	L.02009	.02934
SDev	.00056	.00003	.00006
%RSD	7.6065	.18415	.20462

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/15/09 11:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00283	504.45	-.00173	-.06694	.00203	-.00024
SDev	.00039	1.3869	.00314	.00067	.00004	.00002
%RSD	13.809	.27494	180.84	1.0125	2.1871	10.743

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	521.02	-.00203	-.00105	.00722	-.00446	201.75
SDev	.62585	.00047	.00042	.00065	.00018	.23143
%RSD	.12012	23.51	40.09	9.1344	4.065	.11471

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.76025	525.34	-.00026	.01530	.1280	.00065
SDev	.00621	1.0284	.00022	.00015	.018	.00042
%RSD	.81723	.19576	86.05	1.0163	14.06	64.786

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.22057	.10785	-.00129	-.00120	.00395	.01885
SDev	.00304	.00146	.0009	.00405	.00221	.00473
%RSD	1.3786	1.3602	70.146	337.43	55.999	25.103

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02575	-.02354	.01025	-.0068	.0002	.00216
SDev	.00357	.00226	.00495	.0022	0	0
%RSD	13.893	9.6253	48.293	32.25	2.086	.24877

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00299	.00024	-.00300
SDev	.007	.00044	.00008
%RSD	233.73	185.06	2.881

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Analysis Report Averages 10/26/09 01:56:40 PM page 12

Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/15/09 11:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0601	506.38	.52486	-.07056	.53066	.49787
SDev	.00045	.38575	.00222	.00083	.00068	.00128
%RSD	.04258	.07617	.42329	1.1791	.12829	.25865

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	516.95	.94662	.49186	.49590	.53460	202.84
SDev	1.6326	.0026	.00085	.00086	.0008	.50684
%RSD	.31581	.27515	.17311	.17445	.15115	.24987

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.75536	524.39	.50636	.52021	.0707	.91574
SDev	.00668	1.1552	.0008	.00487	.0111	.00092
%RSD	.88493	.22029	.15823	.93784	15.71	.10055

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.26972	.59977	.49019	.51447	1.0264	1.0490
SDev	.00367	.00241	.00143	.00199	.03293	.03568
%RSD	1.362	.40216	.2926	.38707	3.2091	3.4019

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.98147	.49908	.52242	-.0085	.0002	.00209
SDev	.02746	.00484	.00205	.0051	0	.00009
%RSD	2.7985	.97034	.39411	60.79	14.47	4.5844

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47208	.49578	1.0529
SDev	.02408	.00071	.00193
%RSD	5.1015	.1435	.18422

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Analysis Report Averages 10/26/09 01:56:40 PM page 13

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 12:01 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24569	40.000	1.9924	1.9390	2.0067	1.9844
SDev	.00013	.07238	.00184	.00129	.00177	.00105
%RSD	.05528	.18096	.09239	.06664	.08843	.05309

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.559	1.9583	1.9598	1.9558	1.9791	39.790
SDev	.03038	.00113	.00104	.00054	.00211	.02102
%RSD	.07681	.05816	.05309	.02766	.10685	.05283

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.100	39.553	1.9661	1.9735	39.29	1.9737
SDev	.06873	.01526	.00082	.01355	.0948	.0011
%RSD	.16724	.03859	.0421	.68709	.2412	.056

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9452	1.9682	1.9608	2.0088	2.0013	2.0091
SDev	.00089	.00123	.00074	.00704	.07442	.09929
%RSD	.0461	.06285	.03783	.3508	3.7186	4.9423

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9853	2.0242	2.0009	1.946	1.930	1.9772
SDev	.02466	.00537	.01106	.0042	.0028	.00311
%RSD	1.2423	.26542	.55304	.2174	.1451	.15765

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9501	1.9531	1.9971
SDev	.02404	.00078	.00008
%RSD	1.2328	.04039	.00425

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Analysis Report Averages 10/26/09 01:56:40 PM page 14

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 12:14 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00002	.00884	.00003	-.00104	.00001	-.00002
SDev	.00082	.00365	.00038	.00047	.00006	.00002
%RSD	3246.2	41.368	1162	45.738	362.17	116.4

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00113	.00000	.00019	.00037	.00020	-.01005
SDev	.00106	.00016	.00015	.00083	.00031	.008
%RSD	93.683	1873.7	78.258	225.36	151.11	79.673

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.02120	.00193	.00008	.00052	.0449	.00004
SDev	.00651	.00399	.0001	.00074	.1487	.00084
%RSD	30.701	205.94	125	143.03	331	1861.1

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00290	-.00209	-.00020	.00227	.00208	.00127
SDev	.00237	.00161	.00042	.00044	.00052	.00191
%RSD	81.911	76.836	205.75	19.451	24.957	149.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00315	.00307	.00159	.0013	-.0001	.00042
SDev	.00227	.00315	.00129	.0018	0	.0001
%RSD	72.134	102.48	81.254	138.7	44.13	23.995

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00169	.00013	-.00002
SDev	.0028	.00028	.00009
%RSD	165.09	218.91	350.4

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Analysis Report Averages 10/26/09 01:56:40 PM page 15

Method: ICAPNC Sample Name: MP10460-MB1 Operator:
Run Time: 10/15/09 12:20 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00050	.00997	.00101	-.00192	.00000	-.00005
SDev	.00022	.00119	.00045	.00029	.00003	.00002
%RSD	43.544	12.026	45.194	15.344	866.44	35.184

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00140	-.00011	-.00009	-.00021	-.00024	-.01164
SDev	.00031	.00014	.00008	.0004	.00024	.00601
%RSD	22.605	120.97	86.203	190	99.851	51.652

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.02407	.00003	.00000	.00023	-.1169	.00003
SDev	.00616	.00096	.00005	.0002	.0366	.00034
%RSD	25.606	3057.4	2478	89.549	31.31	931.77

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00127	-.00056	-.00057	.00179	.00219	.00247
SDev	.00265	.00091	.00147	.00145	.00095	.00108
%RSD	207.7	163.4	256.86	80.687	43.539	43.694

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00108	-.00131	.00306	.0013	-.0001	.00001
SDev	.0007	.00232	.00204	.0004	0	0
%RSD	64.793	177.13	66.782	27.03	10.42	4.7717

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00151	-.00006	-.00004
SDev	.00133	.00042	.00011
%RSD	87.838	648.87	292.74

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Method: ICAPNC Sample Name: MP10460-B1 Operator:
Run Time: 10/15/09 12:30 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.39142	50.879	.39511	.95545	.40202	.39664
SDev	.00064	.11075	.001	.00095	.00009	.00023
%RSD	.16567	.21767	.25426	.10027	.02365	.05918

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.193	.38634	.38647	.38997	.40252	49.138
SDev	.02263	.00053	.00018	.00022	.0006	.02368
%RSD	.04508	.13881	.04724	.05745	.15102	.0482

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	49.713	48.831	.40568	.40559	49.26	.39174
SDev	.10854	.02775	.00034	.00178	.1735	.0005
%RSD	.21834	.05684	.0846	.43895	.3521	.13018

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35763	.40517	.38956	.38414	.40200	.40815
SDev	.00118	.00259	.00153	.00121	.00685	.00927
%RSD	.3309	.64136	.39405	.31752	1.7044	2.2725

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.38925	.37555	.38821	.3929	.3368	.41322
SDev	.002	.00154	.00112	.0004	.0001	.00022
%RSD	.51523	.41033	.2901	.0953	.0365	.05339

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37551	.39582	.40885
SDev	.00755	.00017	.00024
%RSD	2.0118	.04426	.05983

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Method: ICAPNC Sample Name: T39528-1 Operator:
Run Time: 10/15/09 12:36 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00016	.06509	.00076	.00626	.00164	-.00002
SDev	.00016	.00262	.00031	.00038	.00005	.00001
%RSD	95.429	4.03	41.007	6.1099	3.1004	69.419

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.7795	-.00018	.00039	.00052	.00406	.03863
SDev	.00643	.00001	.0004	.00015	.00018	.00595
%RSD	.23155	9.5068	103.12	29.014	4.5901	15.416

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.63124	.21321	.01522	.00098	1.416	-.00060
SDev	.00113	.00036	.00004	.00057	.0098	.00063
%RSD	.17992	.17265	.27101	58.029	.6936	105.37

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01141	.00772	.00916	.00113	.00492	.00493
SDev	.00199	.00078	.00052	.00103	.00141	.00205
%RSD	17.514	10.113	5.6812	91.535	28.823	41.584

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00435	-.00642	.00462	.0012	.0038	.00467
SDev	.00109	.00201	.00073	.0004	0	.0004
%RSD	25.084	31.326	15.815	33.77	.2835	8.6572

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00447	.00026	.07915
SDev	.00246	.00027	.00023
%RSD	55.026	105.99	.29605

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Method: ICAPNC Sample Name: MP10460-D1 Operator:
Run Time: 10/15/09 12:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00004	.06637	.00004	.00650	.00174	-.00003
SDev	.00046	.0017	.00039	.00035	.00004	.00002
%RSD	1085.1	2.5733	857.26	5.4177	2.7325	89.771

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.8324	-.00009	.00027	.00064	.00452	.04617
SDev	.00232	.0001	.0006	.0005	.00014	.00584
%RSD	.08221	117.3	223.48	77.863	3.1139	12.655

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.64552	.21720	.01512	.00043	1.464	.00030
SDev	.00177	.00213	.00004	.00007	.0774	.00075
%RSD	.2754	.98121	.30465	17.239	5.29	246.59

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01738	.01080	.01319	.00203	.00217	.00184
SDev	.00101	.00076	.00073	.00101	.001	.00127
%RSD	5.8346	7.1008	5.5881	49.77	46.369	68.788

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00227	-.00603	.00579	-.0000	.0039	.00415
SDev	.00159	.00163	.00114	.0024	0	.00043
%RSD	70.177	27.064	19.765	5441	.2378	10.513

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00479	.00054	.07883
SDev	.00101	.00037	.00001
%RSD	21.081	68.598	.01541

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Method: ICAPNC Sample Name: MP10460-SD1 Operator:
Run Time: 10/15/09 12:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00154	.07298	-.00026	-.00189	.00193	-.00010
SDev	.00036	.00683	.00182	.00145	.00017	.00007
%RSD	23.696	9.3605	675.59	76.917	8.8118	72.24

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	2.7561	-.00022	-.00023	.00005	.00405	-.00507
SDev	.00311	.00025	.00118	.00079	.00056	.03805
%RSD	.11303	114.16	513.29	1580.7	13.954	750.32

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.54224	.22191	.01594	-.00079	1.211	.00026
SDev	.00243	.01376	.0002	.00277	.2166	.00282
%RSD	.44988	6.2035	1.2608	348.27	17.89	1053.3

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00402	.01300	.01114	.00691	.00636	.00765
SDev	.0082	.00339	.00096	.00521	.00473	.00853
%RSD	203.87	26.109	8.686	75.378	74.374	111.51

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00105	-.00463	.01126	.0013	.0036	.00418
SDev	.00313	.01175	.00491	.0051	.0001	.0005
%RSD	295.7	253.81	43.626	400	1.542	12.115

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00792	.00019	.09082
SDev	.00286	.00164	.00043
%RSD	36.218	840.14	.47626

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Method: ICAPNC Sample Name: MP10460-S1 Operator:
Run Time: 10/15/09 12:55 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11264	50.821	.38891	.95313	.40002	.39813
SDev	.00037	.02403	.00345	.00274	.00036	.00091
%RSD	.33164	.04729	.88935	.28775	.09114	.22981

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.409	.37998	.38106	.38409	.39976	49.180
SDev	.15618	.00078	.0009	.00088	.00042	.10956
%RSD	.3038	.20541	.23844	.22991	.10595	.22278

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.356	49.361	.41472	.39753	50.49	.38539
SDev	.05996	.1129	.00076	.00453	.0654	.00099
%RSD	.11908	.22873	.18429	1.1397	.1296	.25861

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36235	.40749	.39267	.38316	.39053	.39506
SDev	.00143	.0021	.00116	.00123	.01072	.01309
%RSD	.39586	.51559	.29708	.32204	2.7469	3.3144

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.38102	.37662	.38623	.3859	.3356	.41526
SDev	.00599	.00209	.00289	.0019	.0001	.00082
%RSD	1.5728	.55685	.75022	.4927	.0451	.19915

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37076	.38777	.48199
SDev	.00269	.00095	.00129
%RSD	.72561	.24712	.26874

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Method: ICAPNC Sample Name: MP10460-S2 Operator:
Run Time: 10/15/09 13:01 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11668	50.250	.38381	.94215	.39470	.39296
SDev	.00039	.21218	.00136	.00155	.00076	.00041
%RSD	.33759	.42226	.35488	.16495	.19425	.1047

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.787	.37569	.37633	.37881	.39478	48.549
SDev	.09839	.00054	.00087	.00065	.00126	.07105
%RSD	.19374	.14603	.23119	.17318	.31998	.14635

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	49.728	48.732	.41005	.39235	50.07	.38121
SDev	.1792	.07205	.00051	.00308	.307	.00131
%RSD	.36037	.14785	.12676	.78584	.6131	.34525

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35758	.40224	.38758	.37732	.38778	.39249
SDev	.00134	.00242	.00163	.00207	.00842	.01207
%RSD	.37645	.60232	.4223	.55103	2.1727	3.0759

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.37792	.37042	.38057	.3805	.3311	.41046
SDev	.00185	.00156	.00317	.0016	.0004	.00036
%RSD	.48957	.42269	.83443	.4257	.129	.08778

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36762	.38259	.47634
SDev	.00217	.00014	.00048
%RSD	.59212	.038	.10142

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Method: ICAPNC Sample Name: T39769-1 Operator:
Run Time: 10/15/09 13:07 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00033	.49118	-.00021	.06874	.14749	-.00007
SDev	.0001	.00447	.00047	.00044	.00015	.00002
%RSD	31.71	.91168	218.83	.6536	.10173	31.017

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	90.299	-.00017	-.00021	.00030	.00191	.20772
SDev	.06232	.00007	.00017	.00003	.00007	.00387
%RSD	.06902	42.497	81.949	11.77	4.1469	1.866

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.5577	16.498	.02734	.00148	91.76	.00057
SDev	.00364	.01156	.00008	.00011	.0659	.00019
%RSD	.14232	.07011	.31826	7.7024	.0718	34.251

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00876	.00754	.00818	.00251	.00523	.00589
SDev	.0023	.00167	.00115	.00175	.00149	.00145
%RSD	26.27	22.166	14.145	69.545	28.629	24.579

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00336	-.00435	.00570	.0013	.4488	.00846
SDev	.00162	.0014	.00224	.0005	.0001	.00043
%RSD	48.131	32.196	39.275	37.45	.035	5.1345

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00628	.00123	.00091
SDev	.00182	.0001	.00007
%RSD	29.009	8.3553	8.4701

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Method: ICAPNC Sample Name: T39777-1 Operator:
Run Time: 10/15/09 13:14 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.14326	.93911	.00406	.04765	.03447	.00036
SDev	.00009	.00602	.00057	.00007	.00007	.00001
%RSD	.06758	.6417	14.082	.16061	.2265	4.1214

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	18.273	.13239	.32818	.16996	.76273	1.1147
SDev	.02277	.00005	.00041	.00022	.00163	.00723
%RSD	.12462	.04518	.12569	.13242	.21477	.6489

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	26.215	5.7656	.32571	.36985	24.13	11.842
SDev	.06197	.00757	.00038	.00132	.0342	.01285
%RSD	.2364	.13136	.1174	.3576	.1418	.10859

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04866	.04588	.04707	.00604	.02715	.02646
SDev	.00147	.00118	.00115	.00113	.00162	.00221
%RSD	3.0401	2.5894	2.4481	18.744	5.9978	8.3839

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02798	-.00115	.00934	.0030	.0854	.02354
SDev	.00071	.00127	.00113	.0003	.0001	.0004
%RSD	2.5657	110.29	12.11	11.31	.1562	1.7358

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00869	.00639	.52739
SDev	.00094	.00011	.00061
%RSD	10.876	1.7422	.11673

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 13:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24806	40.218	2.0053	1.9658	2.0240	2.0026
SDev	.00015	.026	.00287	.00145	.00033	.00271
%RSD	.06298	.06465	.14359	.07418	.01662	.1356

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.127	1.9778	1.9761	1.9738	1.9905	40.117
SDev	.0458	.00176	.00226	.00209	.00111	.0422
%RSD	.11414	.08908	.11442	.10591	.05577	.10519

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.358	39.979	1.9820	1.9821	39.74	1.9911
SDev	.0458	.03496	.00154	.01865	.0323	.00319
%RSD	.11075	.08745	.07783	.94091	.0813	.16035

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9641	1.9792	1.9744	2.0146	1.9940	1.9978
SDev	.00069	.00751	.00505	.0036	.07868	.10227
%RSD	.03537	.37951	.25591	.17886	3.9459	5.1191

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9859	2.0359	2.0038	1.956	1.920	1.9944
SDev	.03143	.00787	.0043	.0103	.0006	.00174
%RSD	1.583	.38701	.21495	.5263	.0312	.08759

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9433	1.9716	2.0249
SDev	.03927	.00204	.00241
%RSD	2.0208	.10395	.11936

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 13:31 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00019	.00912	-.00058	-.00099	.00000	-.00005
SDev	.00036	.00097	.00063	.00009	.00003	0
%RSD	184.24	10.666	108.55	9.2771	837.71	9.5176

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00117	-.00005	-.00006	.00001	-.00015	-.01828
SDev	.00046	.00008	.0001	.00032	.00023	.00402
%RSD	39.518	169.94	173.61	2059.3	149.36	21.994

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01971	-.00294	.00028	.00083	-.0858	-.00008
SDev	.00496	.00281	.00004	.00098	.0606	.00028
%RSD	25.176	95.559	16.276	117.79	70.67	323.05

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00054	-.00044	.00007	.00275	.00427	.00419
SDev	.00194	.00131	.00057	.00189	.00059	.00161
%RSD	353.14	297.79	731.65	68.775	13.968	38.406

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00387	.00252	.00259	.0015	-.0001	.00030
SDev	.00179	.00188	.0019	.0027	0	.00027
%RSD	46.213	74.876	73.09	180.8	15.87	90.271

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00042	-.00029	.00007
SDev	.00106	.00004	.00008
%RSD	251.56	15.018	112.62

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Method: ICAPNC Sample Name: MP10431-MB1 Operator:
Run Time: 10/15/09 13:37 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00042	.00521	-.00054	-.00111	-.00001	-.00007
SDev	.00036	.00079	.0004	.00064	.00004	.00001
%RSD	85.837	15.194	74.217	57.591	276.16	19.806

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00098	-.00010	-.00024	-.00043	-.00025	-.01199
SDev	.0003	.00004	.00019	.00033	.00011	.00535
%RSD	30.387	43.341	78.584	76.88	46.757	44.618

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01970	.00064	.00002	-.00024	-.0461	-.00039
SDev	.00527	.00284	.00001	.00056	.027	.00036
%RSD	26.739	438.05	83.093	232.87	58.59	92.603

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00068	.00013	.00009	.00133	.00221	.00286
SDev	.00165	.00096	.0008	.00126	.0003	.00085
%RSD	239.6	692.74	889.3	94.41	13.849	29.824

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00034	.00051	.00146	.0010	-.0001	.00024
SDev	.00086	.0014	.00134	.0009	0	.0001
%RSD	249.4	272.48	91.764	85.04	12.31	41.6

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00120	-.00015	-.00006
SDev	.00186	.00009	.00005
%RSD	154.65	63.911	84.183

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Method: ICAPNC Sample Name: MP10431-B1 Operator:
Run Time: 10/15/09 13:43 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.39854	53.154	.41569	1.0203	.41605	.41718
SDev	.00081	.16044	.00257	.00179	.00023	.00033
%RSD	.20491	.30185	.61894	.17615	.05736	.08089

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	51.501	.39999	.39943	.39933	.40946	51.550
SDev	.0646	.00044	.00052	.00073	.00113	.04861
%RSD	.12544	.11227	.13164	.18404	.27775	.09429

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.326	52.010	.41810	.41300	51.51	.40555
SDev	.14458	.07414	.00044	.00347	.183	.00045
%RSD	.27631	.14255	.10706	.84087	.3553	.11291

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36803	.42072	.40340	.42283	.41394	.41910
SDev	.00224	.0013	.00016	.00155	.0105	.01315
%RSD	.61019	.31011	.041	.36852	2.537	3.1399

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.40318	.42363	.42222	.4042	.3463	.42746
SDev	.00525	.00039	.00227	.0012	.0003	.00075
%RSD	1.3033	.09222	.53906	.2979	.074	.1773

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37964	.40484	.42593
SDev	.02459	.00037	.00081
%RSD	6.4794	.09329	.19034

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Method: ICAPNC Sample Name: T39293-1 Operator:
Run Time: 10/15/09 13:50 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00013	.05250	.00225	.07778	.02868	-.00017
SDev	.00078	.00208	.00107	.00093	.00001	0
%RSD	565.77	3.964	47.809	1.2042	.03808	3.8532

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	47.317	-.00014	-.00036	.00066	.00391	-.01193
SDev	.0435	.00015	.00018	.00074	.00018	.00636
%RSD	.09193	102.72	51.222	113.02	4.8253	53.347

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	8.3233	11.587	.00619	.02149	233.2	.00994
SDev	.03147	.00632	.00014	.00067	.8866	.00065
%RSD	.37811	.05461	2.3499	3.1482	.3802	6.5953

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00671	-.00186	.00136	.00103	.00584	.00592
SDev	.00516	.00277	.00058	.00123	.00071	.00068
%RSD	76.946	148.94	42.972	119.11	12.232	11.603

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00511	-.00406	.00329	.0026	.1907	.00011
SDev	.00326	.00156	.00236	.0026	.0001	.00041
%RSD	63.772	38.52	71.7	99.94	.0733	351.53

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00375	-.00010	.01703
SDev	.00297	.00018	.00009
%RSD	79.217	164.82	.53284

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Method: ICAPNC Sample Name: MP10431-D1 Operator:
Run Time: 10/15/09 13:56 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00019	.04816	.00193	.07139	.02633	-.00015
SDev	.00028	.00307	.0002	.00065	.00005	.00001
%RSD	150.46	6.3931	10.787	.91958	.21108	12.42

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	43.420	-.00014	-.00038	.00077	.08364	-.00572
SDev	.12427	.00006	.00028	.00006	.00022	.00375
%RSD	.28621	46.226	74.779	8.886	.27043	65.58

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.5978	10.613	.00456	.01960	H216.5	.07522
SDev	.03191	.01353	.00002	.00015	.6342	.00057
%RSD	.42002	.12749	.558	.77089	.293	.76553

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00667	.00045	.00284	.00020	.00239	.00231
SDev	.00189	.00094	.00077	.00145	.00104	.00093
%RSD	28.389	206.46	27.211	700.5	43.54	40.449

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00201	-.00704	.00354	.0014	.1744	-.00003
SDev	.00161	.00212	.0014	.0003	.0002	.0002
%RSD	80.212	30.209	39.52	20.18	.0938	602.7

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00609	-.00016	.11671
SDev	.00099	.00021	.00001
%RSD	16.394	126.13	.00892

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Method: ICAPNC Sample Name: MP10431-SD1 Operator:
Run Time: 10/15/09 14:02 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00164	.06918	-.00001	.07417	.02966	-.00041
SDev	.0013	.00899	.00517	.00177	.00021	.00012
%RSD	79.532	12.996	46321	2.3956	.70819	29.084

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	47.628	-.00064	-.00017	-.00085	.00390	-.04728
SDev	.05254	.00062	.00056	.0007	.00061	.02701
%RSD	.11032	97.354	324.1	82.439	15.749	57.126

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.0000	11.914	.00650	.02072	H237.3	.00787
SDev	.00397	.02405	.00007	.00016	.5036	.00186
%RSD	.05675	.20192	1.1561	.81254	.2123	23.702

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00343	-.00182	.00095	.00473	.00526	.00870
SDev	.01784	.00691	.00216	.00203	.00497	.0074
%RSD	520.31	379.89	227.51	43.071	94.358	85.106

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00433	-.01324	.01236	-.0052	.1939	.00017
SDev	.00165	.00892	.0073	.0103	.0002	.00051
%RSD	38.122	67.367	59.073	198.5	.083	289.03

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00856	.00111	.03165
SDev	.00615	.00203	.00027
%RSD	71.888	182.21	.8829

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Method: ICAPNC Sample Name: MP10431-S1 Operator:
Run Time: 10/15/09 14:08 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.12551	50.552	.39552	1.0236	.42826	.39483
SDev	.00011	.10601	.00253	.00045	.00049	.00139
%RSD	.09093	.20971	.64211	.04419	.11501	.3545

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	96.207	.37836	.37866	.38096	.40316	48.022
SDev	.39252	.00133	.002	.00065	.0007	.15951
%RSD	.40799	.35326	.53076	.17157	.17571	.33216

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	61.596	59.816	.40683	.41614	H276.3	.38510
SDev	.27125	.16007	.00104	.0046	.8232	.00169
%RSD	.44038	.26761	.25802	1.1058	.298	.44094

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35829	.39316	.38187	.38738	.39711	.39984
SDev	.00682	.00524	.00125	.00344	.01275	.01907
%RSD	1.9061	1.3349	.32857	.88991	3.211	4.7719

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39121	.38581	.38795	.3861	.5210	.40903
SDev	.0007	.00224	.00609	.0008	.0006	.00134
%RSD	.18085	.58291	1.5706	.1955	.1192	.32771

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36051	.38808	.40948
SDev	.01571	.00134	.00163
%RSD	4.3594	.34532	.40045

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Method: ICAPNC Sample Name: MP10431-S2 Operator:
Run Time: 10/15/09 14:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.12672	51.275	.40299	1.0394	.43428	.39978
SDev	.00025	.02406	.0016	.0005	.0004	.00116
%RSD	.20029	.04692	.39706	.04855	.09367	.29147

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	98.183	.38281	.38388	.38553	.40900	48.621
SDev	.32183	.00067	.00089	.00096	.00057	.11889
%RSD	.32779	.17522	.23318	.25056	.14053	.24454

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	62.571	60.778	.41107	.42297	H284.0	.38984
SDev	.03175	.15265	.00094	.00355	.1771	.00119
%RSD	.05075	.25116	.22941	.83935	.0624	.3054

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35695	.40117	.38677	.39157	.40541	.41003
SDev	.00271	.00322	.0021	.00177	.00956	.01089
%RSD	.75938	.80481	.54527	.45229	2.3589	2.6573

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39572	.38590	.39420	.3886	.5311	.41400
SDev	.00689	.00159	.00225	.0039	.0006	.00128
%RSD	1.7436	.4129	.57274	1.002	.1154	.30946

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36971	.39276	.41374
SDev	.01081	.00098	.00105
%RSD	2.9245	.25022	.25548

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Method: ICAPNC Sample Name: T39415-1 Operator:
Run Time: 10/15/09 14:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00028	1.3962	.00117	.02509	.07292	-.00010
SDev	.00034	.00828	.00125	.00048	.00011	.00003
%RSD	121.68	.59371	106.74	1.9456	.164	32.57

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	30.405	-.00029	-.00032	.00194	.00471	.97008
SDev	.15942	.00007	.00068	.00053	.0002	.01153
%RSD	.52433	24.312	207.84	27.347	4.4277	1.189

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.1081	5.8010	.07105	.00402	89.79	.00366
SDev	.01191	.01427	.00014	.0006	.6087	.0002
%RSD	.56501	.24606	.2046	15.028	.6778	5.4926

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00502	-.00017	.00181	.00275	.00639	.00575
SDev	.00354	.00227	.00035	.00074	.00079	.00144
%RSD	70.467	1290.5	19.506	27.085	12.383	25.08

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00711	-.00238	.00504	.0005	.3246	.01880
SDev	.00247	.00462	.0031	.001	.0004	.00058
%RSD	34.792	193.9	61.442	197.5	.1272	3.1144

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00538	.00456	.02081
SDev	.00269	.00046	.00019
%RSD	49.914	10.265	.93317

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Method: ICAPNC Sample Name: T39416-1 Operator:
Run Time: 10/15/09 14:27 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00003	1.0099	.00626	.09694	.00654	.00009
SDev	.00024	.01565	.0028	.00125	.00012	.00004
%RSD	686.59	1.5504	44.852	1.2972	1.9624	43.576

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.68249	.00004	.00251	.09504	.21056	.54168
SDev	.00637	.00008	.00127	.00092	.00188	.01029
%RSD	.9345	182.89	50.703	.97375	.89607	1.8998

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H101.03	.13425	.03473	.00589	H6149.	.13286
SDev	1.1135	.00765	.00024	.00025	36.92	.00046
%RSD	1.1022	5.7005	.70494	4.3054	.6005	.35072

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00181	-.00042	.00064	.00236	.00283	.00198
SDev	.00354	.00305	.00131	.00239	.00321	.00497
%RSD	195.22	712.14	205.41	101.35	113.35	250.95

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00370	.00066	.00276	.0020	.0037	.00051
SDev	.00044	.00446	.00271	.0027	0	.00015
%RSD	11.934	668.68	98.314	134.3	1.219	29.989

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00270	.00048	.00811
SDev	.00168	.00054	.0002
%RSD	62.121	112.55	2.4998

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Method: ICAPNC Sample Name: T39417-3 Operator:
Run Time: 10/15/09 14:36 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00044	.65363	.00838	.03837	.50283	-.00027
SDev	.0001	.00071	.00081	.00029	.00069	.00004
%RSD	23.907	.10873	9.7058	.77202	.13856	14.84

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	431.98	.00013	.00076	.00534	.04443	1.4626
SDev	.21388	.00005	.00033	.00011	.00036	.00361
%RSD	.04951	36.8	44.304	2.0898	.81101	.24729

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.779	37.605	.34288	.00391	H3359.	.04390
SDev	.07048	.02003	.00008	.00013	6.171	.00073
%RSD	.37533	.05328	.02491	3.3256	.1837	1.6671

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00232	.00617	.00522	.00384	.00467	.00551
SDev	.00223	.00197	.00073	.00035	.00148	.0026
%RSD	96.173	31.955	14.144	9.2129	31.784	47.282

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00234	-.00524	.00818	.0009	2.328	.01365
SDev	.00081	.00187	.00046	.0009	.0032	.00138
%RSD	34.84	35.725	5.6752	105.8	.1357	10.11

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00397	.00249	.15215
SDev	.00108	.00036	.00006
%RSD	27.396	14.583	.04427

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 14:44 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24606	39.812	1.9901	1.9509	2.0192	1.9765
SDev	.0003	.09841	.00331	.00102	.00293	.0018
%RSD	.12458	.2472	.16639	.05271	.14534	.09114

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.453	1.9573	1.9548	1.9519	1.9789	39.664
SDev	.01396	.00163	.00069	.00149	.00177	.00984
%RSD	.03539	.08361	.0358	.07651	.08984	.02483

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.038	39.480	1.9638	1.9643	39.41	1.9742
SDev	.04727	.01755	.00078	.01505	.0845	.00287
%RSD	.11519	.04447	.03977	.76656	.2144	.14542

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9527	1.9630	1.9599	1.9992	1.9904	1.9921
SDev	.00305	.00233	.00258	.00465	.06611	.08564
%RSD	.1563	.11907	.13168	.23272	3.3215	4.2991

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9866	2.0245	1.9864	1.923	1.959	1.9704
SDev	.02706	.00522	.00532	.0036	.0066	.00181
%RSD	1.3623	.25792	.26803	.1887	.3347	.09222

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9169	1.9538	1.9999
SDev	.04586	.00166	.00267
%RSD	2.3928	.08539	.13371

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 14:57 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00043	.01267	.00058	-.00213	-.00002	-.00011
SDev	.00016	.00297	.00108	.00029	.00001	.00001
%RSD	37.451	23.428	185.41	13.607	45.387	13.267

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00372	-.00015	.00007	-.00035	-.00019	-.01662
SDev	.00138	.00014	.00015	.00027	.00024	.00347
%RSD	37.11	95.827	204.5	79.479	125.24	20.93

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04059	-.00146	-.00006	.00043	.0630	-.00026
SDev	.00439	.00158	.00001	.00016	.0202	.00046
%RSD	10.837	108.35	21.298	38.886	32.07	173.12

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00019	.00032	.00046	.00196	.00260	.00201
SDev	.00376	.00131	.0007	.00198	.00132	.00281
%RSD	1891	404.03	152.75	100.83	50.865	139.97

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00324	.00047	.00241	.0004	-.0001	.00030
SDev	.00179	.00213	.00283	.0008	0	.0001
%RSD	55.256	445.62	117.51	229.8	6.469	33.755

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00013	-.00006	.00033
SDev	.00199	0	.00051
%RSD	1439.6	1.9719	150.69

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Method: ICAPNC Sample Name: T38416-12 Operator:
Run Time: 10/15/09 15:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00008	269.65	.08752	.01349	4.5147	.01562
SDev	.00032	.6773	.00661	.00294	.00481	.00019
%RSD	390.38	.25117	7.5544	21.84	.10659	1.239

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	310.98	-.00161	.12227	.24855	.16565	310.67
SDev	.40442	.001	.00208	.00118	.00053	.29716
%RSD	.13005	62.093	1.7061	.47696	.32419	.09565

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	53.888	111.73	5.2830	.03657	23.03	.26772
SDev	.09298	.11042	.00665	.00138	.3016	.00051
%RSD	.17255	.09883	.12594	3.7776	1.31	.19111

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01428	.31566	.20685	-.00002	.00349	.02644
SDev	.00191	.00471	.00371	.00667	.00678	.0082
%RSD	13.436	1.4922	1.7956	27385	193.96	31.022

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04439	-.02971	.01388	.0166	1.344	2.1218
SDev	.00456	.0112	.0045	.0057	.0015	.00284
%RSD	10.282	37.713	32.47	34.15	.115	.13425

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00187	.46450	.98375
SDev	.00864	.00007	.00161
%RSD	461.37	.01555	.16454

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Method: ICAPNC Sample Name: T38729-1 Operator:
Run Time: 10/15/09 15:27 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00109	283.57	.15209	.21355	19.373	.01235
SDev	.00117	.33934	.00721	.00348	.02577	.00014
%RSD	107.41	.11966	4.7456	1.6328	.13304	1.1636

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1208.6	.00304	.10015	.26555	.26312	300.34
SDev	.37346	.00043	.0008	.00106	.00164	.10417
%RSD	.0309	14.201	.80112	.39999	.62609	.03468

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H102.89	282.17	6.7386	.05175	61.80	.28549
SDev	.16359	.16501	.00299	.00051	.2598	.00094
%RSD	.15899	.05848	.04437	.99645	.4203	.32961

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02077	.35740	.24655	.01159	.00373	.02679
SDev	.00172	.00669	.00426	.00243	.0033	.00839
%RSD	8.2936	1.8742	1.7301	21.031	88.527	31.348

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04443	-.03828	.03583	.0236	H5.407	1.5482
SDev	.00723	.01113	.00388	.0044	.0057	.00336
%RSD	16.29	29.084	10.829	18.69	.1054	.21712

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01026	.62500	.92911
SDev	.00881	.00168	.00064
%RSD	85.861	.26952	.06985

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Method: ICAPNC Sample Name: T38729-2 Operator:
Run Time: 10/15/09 15:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00165	332.66	.27456	.13836	6.5168	.01420
SDev	.00104	.33482	.00488	.00223	.00469	.00009
%RSD	63.131	.10065	1.7806	1.612	.07206	.6486

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1669.9	.00266	.11487	.33674	.31106	312.30
SDev	1.4382	.00081	.00134	.00154	.00148	.42648
%RSD	.08612	30.667	1.1716	.45942	.47656	.13656

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	64.566	285.65	6.7317	.05417	6.366	.32592
SDev	.04335	.31741	.00593	.00101	.1628	.00158
%RSD	.06714	.11111	.08822	1.8679	2.558	.48694

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01179	.34599	.22825	.01303	.00321	.02566
SDev	.00454	.0033	.00099	.00909	.00284	.00625
%RSD	38.538	.95555	.43792	69.821	88.487	24.356

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04376	-.02628	.03217	.0147	H6.022	2.6017
SDev	.00548	.01235	.00879	.0023	.0051	.00136
%RSD	12.524	47.008	27.331	15.48	.0853	.05247

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00252	.89618	.85500
SDev	.013	.00301	.00099
%RSD	514.88	.33686	.11649

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Method: ICAPNC Sample Name: T39313-7 Operator:
Run Time: 10/15/09 15:40 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00402	55.334	.02562	-.00753	H57.072	.00215
SDev	.00068	.15417	.00547	.00155	.09294	.00013
%RSD	17.134	.27863	21.345	20.617	.16285	6.2188

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H4793.6	.00309	.04397	3.6100	.38457	265.26
SDev	4.3908	.00091	.00117	.00566	.00202	.32328
%RSD	.09159	29.5	2.6722	.15697	.52718	.12187

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	12.022	82.401	39.218	.07180	40.01	.16064
SDev	.05248	.0498	.04769	.00054	.1124	.00118
%RSD	.43657	.06043	.1216	.76041	.2809	.73769

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.43875	.68287	.60288	.03632	.01025	.03491
SDev	.00598	.00253	.0033	.00772	.00497	.00479
%RSD	1.3643	.37182	.54798	21.28	48.505	13.74

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04144	-.03640	.07323	.0300	H11.65	1.3318
SDev	.00534	.0178	.00719	.0034	.0123	.00341
%RSD	12.889	48.903	9.8183	11.23	.1058	.25625

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01954	.34934	1.8783
SDev	.0066	.00011	.00032
%RSD	33.803	.03333	.0175

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Method: ICAPNC Sample Name: T39313-9 Operator:
Run Time: 10/15/09 15:46 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00121	82.530	.04147	.01503	.88879	.00492
SDev	.00015	.14877	.00416	.00273	.00012	.00005
%RSD	12.986	.18026	10.031	18.173	.01409	1.1261

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1399.5	-.00103	.07225	.10834	.04239	109.11
SDev	2.5737	.00036	.00107	.00134	.00104	.09416
%RSD	.18389	34.861	1.4845	1.2426	2.4534	.0863

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	15.440	30.340	6.6349	.00995	13.01	.09508
SDev	.0044	.02768	.00445	.00058	.1353	.00136
%RSD	.02853	.09124	.06715	5.8683	1.04	1.4372

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00767	.12209	.08528	.01234	.00252	.00908
SDev	.00888	.00489	.0035	.00552	.00411	.00731
%RSD	115.81	4.01	4.1136	44.765	163.04	80.522

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01313	-.02772	.03158	.0205	4.539	1.0704
SDev	.00777	.00411	.01038	.0028	.0003	.00106
%RSD	59.148	14.842	32.875	13.51	.0069	.09933

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01581	.18153	.33501
SDev	.00754	.00086	.00081
%RSD	47.718	.4782	.24409

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Method: ICAPNC Sample Name: T38378-1 Operator:
Run Time: 10/15/09 15:52 Filename: R101509
Mode: CONC Type: S Corr. Factor: 10.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.06169	127.28	.10656	6.7696	H1003.1	-.00129
SDev	.00278	.40114	.01776	.01436	2.1228	.00012
%RSD	4.5214	.31515	16.67	.21217	.21161	9.8118

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H8248.6	.00120	.58783	.88445	.61064	655.54
SDev	14.36	.00061	.00573	.00551	.00179	.98495
%RSD	.17408	50.932	.97537	.62347	.29401	.15025

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	78.711	H1041.2	25.120	.10357	H3149.	.76152
SDev	.3255	.91576	.02445	.00441	13.28	.00609
%RSD	.41354	.08795	.09736	4.2632	.4218	.80081

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.25424	.36616	.16254	.06662	L-.11463	-.13115
SDev	.01902	.01205	.0107	.01774	.01821	.01986
%RSD	7.4825	3.2911	6.584	26.642	15.888	15.142

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.08586	-.06878	.13507	.0864	S136.4	.17372
SDev	.01611	.00893	.02502	.0068	97.65	.00125
%RSD	18.773	12.989	18.523	7.914	71.62	.72286

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.03521	.11851	.79443
SDev	.02015	.00125	.00312
%RSD	57.236	1.0621	.39329

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 16:00 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24647	39.922	1.9926	1.9577	2.0101	1.9932
SDev	.00067	.161	.00732	.0039	.00225	.00182
%RSD	.27586	.4033	.36746	.19954	.11196	.09152

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.691	1.9711	1.9637	1.9631	1.9797	39.925
SDev	.05671	.00265	.00337	.00249	.00403	.05892
%RSD	.14289	.13465	.17192	.12719	.20374	.14758

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.878	39.664	1.9739	1.9658	39.38	1.9807
SDev	.19108	.07208	.00243	.01588	.1884	.00344
%RSD	.46745	.18174	.12319	.80798	.4785	.17416

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9572	1.9781	1.9714	2.0125	1.9864	1.9888
SDev	.00096	.00491	.00356	.0056	.07211	.09221
%RSD	.04942	.24868	.18081	.27866	3.6302	4.6365

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9812	2.0288	2.0041	1.918	1.828	1.9757
SDev	.03194	.00589	.00855	.01	.0016	.00217
%RSD	1.6124	.29065	.42672	.5217	.0891	.11013

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9327	1.9628	2.0058
SDev	.05193	.00121	.0038
%RSD	2.6871	.06202	.18978

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 16:12 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00027	.01233	-.00038	-.00195	.00002	-.00015
SDev	.00003	.00308	.0013	.00012	.00006	.00001
%RSD	14.173	24.999	341.95	6.286	309.64	12.009

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00493	-.00011	-.00018	-.00010	.00000	-.02032
SDev	.00063	.00004	.00007	.00018	.00008	.00392
%RSD	12.782	40.033	37.73	178.88	1653.9	19.286

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03745	-.00022	-.00001	.00055	-.0203	-.00036
SDev	.00426	.00041	.00002	.00067	.0382	.00054
%RSD	11.375	190.05	128.95	122.68	187.9	148.94

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00071	-.00024	.00044	.00119	.00201	.00179
SDev	.00068	.00065	.00027	.00122	.00179	.00222
%RSD	95.269	267.05	62.1	102.3	89.125	123.83

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00191	-.00083	.00189	.0005	-.0001	.00018
SDev	.00247	.00214	.00076	.0013	0	.00017
%RSD	129.57	255.54	40.565	264.8	25.13	98.759

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00011	-.00012	-.00022
SDev	.00154	.00017	.00006
%RSD	1380.9	141.06	26.556

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 17:00 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01010	.21777	.00579	.10282	.21378	.00498
SDev	.00007	.0038	.00087	.00035	.00029	.00005
%RSD	.73391	1.7492	15.046	.3424	.14012	1.101

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8746	.00402	.05119	.01006	.02591	.08855
SDev	.0205	.00001	.00057	.00002	.00046	.0119
%RSD	.42069	.4568	1.1175	.28934	1.7823	13.44

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9087	4.9616	.01583	.01060	5.126	.04061
SDev	.00655	.02022	.00006	.00042	.0226	.00046
%RSD	.13362	.40766	.4379	3.9916	.4404	1.1569

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00192	.00385	.00346	.00716	.00496	.00584
SDev	.00287	.00259	.00087	.00124	.00131	.00287
%RSD	149.41	67.397	25.103	17.425	26.477	49.119

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00264	.00429	.00830	.0212	.0179	.02093
SDev	.00184	.00303	.00267	.0005	0	.00012
%RSD	69.725	70.628	32.175	2.16	.1134	.5749

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00688	.04994	.02799
SDev	.0016	.00039	.00142
%RSD	23.289	.7925	5.0971

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/15/09 17:07 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00985	.24046	-.00485	.11884	.20292	.00385
SDev	.00014	.0012	.00122	.00052	.00027	.00002
%RSD	1.4714	.50279	25.308	.4407	.13589	.76652

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9393	.00406	L.01974	.00997	.02459	.08354
SDev	.01119	.00011	.00011	.00027	.00015	.00502
%RSD	.22662	2.7148	.58408	2.7728	.61154	6.0159

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9558	4.9950	.01542	.01067	5.080	.03887
SDev	.01063	.00801	.00006	.00046	.0252	.00042
%RSD	.21457	.16038	.40051	4.3138	.4954	1.087

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00267	.00358	.00364	.00603	.00438	.00411
SDev	.00045	.00101	.00065	.00148	.0004	.00088
%RSD	17.198	28.216	17.878	24.68	9.2197	21.493

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00438	.00432	.00657	.0201	.0179	.02070
SDev	.00111	.00179	.00168	.0012	0	.00002
%RSD	25.536	41.458	25.551	5.834	.0321	.13267

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00881	L.01956	.02475
SDev	.00189	.00017	.0001
%RSD	21.516	.91189	.42712

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/15/09 17:13 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00249	498.81	-.00027	-.06607	.00191	-.00028
SDev	.00038	.91436	.00152	.00092	.00003	.00001
%RSD	15.543	.1833	556.75	1.3931	1.9548	6.0273

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	510.94	-.00194	-.00139	.00649	-.00456	199.03
SDev	1.4649	.00019	.00042	.00043	.00008	.21631
%RSD	.28669	10.198	30.667	6.6331	1.7928	.10868

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.72268	516.42	-.00162	.01792	.0728	-.00004
SDev	.00678	.52419	.00031	.00113	.0404	.00012
%RSD	.93907	.1015	19.442	6.3255	55.47	267.78

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.22062	.10971	.00000	-.00215	.00202	.01602
SDev	.00199	.00102	.00067	.00261	.00202	.00343
%RSD	.90222	.93338	19389	121.48	99.882	21.447

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02588	-.02218	.00809	-.0061	.0002	.00219
SDev	.00219	.0045	.00167	.0039	0	.00011
%RSD	8.4801	20.327	20.685	64.56	4.005	5.1316

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00261	-.00045	-.00246
SDev	.00301	.00061	.00005
%RSD	115.16	133.18	2.1367

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Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/15/09 17:20 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0475	500.87	.51745	-.06984	.52799	.49348
SDev	.00042	.56753	.00189	.00088	.00078	.0007
%RSD	.04031	.11331	.36573	1.2633	.14821	.14371

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	511.60	.94217	.48589	.49043	.52895	201.32
SDev	1.0644	.00089	.00087	.00058	.00084	.29057
%RSD	.20804	.09537	.17976	.11855	.15944	.14433

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.72851	517.40	.50075	.51451	.1135	.90997
SDev	.00621	.63556	.00091	.00382	.0369	.00237
%RSD	.8526	.12283	.18231	.7443	32.52	.26073

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27072	.59471	.48712	.51389	1.0074	1.0239
SDev	.00163	.00372	.00248	.00072	.03636	.04496
%RSD	.6028	.62626	.50926	.14057	3.6098	4.391

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.97446	.49975	.52123	-.0062	.0002	.00226
SDev	.01918	.00635	.00418	.0076	0	.0001
%RSD	1.9686	1.2722	.80307	123.1	5.312	4.8051

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.46964	.49129	1.0450
SDev	.0169	.00056	.00108
%RSD	3.6004	.11515	.10363

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 17:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24580	39.739	1.9693	1.9111	1.9862	1.9716
SDev	.00081	.07115	.00558	.00333	.00281	.00918
%RSD	.33176	.17906	.2834	.17453	.14152	.46575

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.646	1.9490	1.9354	1.9394	1.9550	39.802
SDev	.23574	.01182	.00877	.00897	.00383	.18737
%RSD	.59464	.60677	.45326	.46272	.19603	.47076

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.643	39.404	1.9477	1.9512	39.00	1.9567
SDev	.15413	.17685	.00848	.01288	.0867	.01185
%RSD	.37923	.44881	.43551	.66053	.2224	.60567

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9152	1.9624	1.9470	1.9844	1.9428	1.9421
SDev	.01507	.01043	.0068	.00266	.08875	.12247
%RSD	.78725	.53151	.34943	.13433	4.5684	6.3063

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9437	1.9891	1.9818	1.900	1.858	1.9573
SDev	.02169	.01253	.01024	.0093	.0018	.00493
%RSD	1.116	.63016	.51717	.4884	.0985	.25213

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9471	1.9551	1.9881
SDev	.00472	.00572	.00901
%RSD	.2429	.29282	.45344

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 17:40 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00059	.00895	.00009	-.00243	-.00001	-.00004
SDev	.00048	.00312	.00098	.00008	.00003	.00001
%RSD	81.67	34.917	1000.5	3.6262	266.65	34.604

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.02503	-.00008	-.00026	-.00027	.00032	-.02631
SDev	.00739	.00014	.00008	.0004	.00061	.00708
%RSD	29.552	170.69	31.924	146.36	192.21	26.91

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03885	.00243	.00004	.00020	-.0794	-.00020
SDev	.00874	.00354	.00012	.00043	.1004	.00008
%RSD	22.517	145.5	267.17	209.36	126.5	40.368

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00051	-.00079	-.00016	.00145	.00228	.00236
SDev	.00123	.00107	.00067	.00206	.00048	.00117
%RSD	239.06	135.55	418.91	142.75	21.285	49.769

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00159	.00011	.00184	-.0002	-.0001	.00007
SDev	.00135	.00285	.00273	.0017	0	.0001
%RSD	84.879	2459	148.32	1006	50.74	138.63

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00100	-.00023	.00086
SDev	.00164	.00009	.00061
%RSD	164.09	41.856	70.977

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Method: ICAPNC Sample Name: MP10418-MB1 Operator:
Run Time: 10/15/09 17:47 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00038	.00690	-.00070	-.00203	-.00003	-.00005
SDev	.00021	.00186	.00095	.00034	.00003	.00003
%RSD	55.541	26.942	135.37	17.141	101.85	67.133

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00373	-.00002	-.00017	-.00025	.00013	-.02301
SDev	.00055	.00002	.00015	.00012	.00021	.00408
%RSD	14.736	111.62	89.348	50.27	155.37	17.765

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03611	.00340	-.00003	-.00005	-.0398	-.00042
SDev	.00566	.00123	.00001	.00058	.0199	.00014
%RSD	15.699	36.303	51.408	1120.5	50.01	35.242

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00038	-.00016	.00020	.00175	.00210	.00240
SDev	.00153	.00149	.00055	.00034	.00059	.00117
%RSD	396	887.74	271.31	19.756	28.04	48.794

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00095	.00049	.00210	-.0000	-.0001	.00000
SDev	.00271	.00215	.00106	.0011	0	0
%RSD	284.42	435.5	50.327	6542	4.082	20.088

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00005	.00006	-.00017
SDev	.00162	0	.00006
%RSD	2730.7	7.7067	35.067

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Method: ICAPNC Sample Name: MP10418-B1 Operator:
Run Time: 10/15/09 17:53 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.39554	52.784	.41158	1.0037	.41395	.41431
SDev	.00059	.1872	.00071	.00183	.00047	.00013
%RSD	.15	.35466	.17288	.183	.11504	.03144

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.956	.39682	.39408	.39547	.40803	51.208
SDev	.02129	.00049	.00008	.00054	.00133	.01389
%RSD	.04179	.12514	.02266	.13791	.32768	.02713

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	51.911	51.353	.41409	.40752	51.02	.40016
SDev	.17812	.05099	.00015	.00265	.2414	.00069
%RSD	.34313	.0993	.03782	.65052	.4733	.17278

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36398	.41992	.40161	.42004	.40643	.41006
SDev	.00156	.00102	.00116	.00094	.01268	.01466
%RSD	.43019	.2445	.2904	.22439	3.1205	3.5767

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39871	.41513	.42226	.3937	.3445	.42297
SDev	.00914	.00286	.00056	.0018	.0005	.00052
%RSD	2.2941	.69017	.13369	.4565	.1331	.1247

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37880	.40170	.42311
SDev	.02626	.00002	.00025
%RSD	6.9324	.0066	.06055

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Method: ICAPNC Sample Name: T39162-1 Operator:
Run Time: 10/15/09 18:00 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00035	1.5628	.00234	.10807	.09171	.00012
SDev	.00024	.00517	.00125	.00107	.00014	.00002
%RSD	69.323	.33128	53.498	.995	.1538	16.717

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	32.948	.00009	-.00012	.00187	.00460	.26702
SDev	.08076	.00016	.00017	.00033	.00011	.00372
%RSD	.24513	175.54	133.1	17.988	2.5388	1.3945

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.2099	2.7475	.05032	.01173	72.41	.00073
SDev	.01505	.00473	.00007	.00022	.3025	.00018
%RSD	.20884	.1723	.14051	1.958	.4178	24.597

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00600	.00220	.00378	.00135	.00709	.00744
SDev	.00157	.00132	.00032	.00134	.00097	.00109
%RSD	26.28	59.937	8.6384	98.87	13.81	14.762

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00582	-.00516	.00431	.0021	.1431	.00836
SDev	.00088	.00204	.00234	.0007	.0002	.00002
%RSD	15.152	39.471	54.431	33.52	.1238	.32771

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00377	.00566	.12312
SDev	.00231	.00011	.00016
%RSD	61.207	1.9703	.13365

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Method: ICAPNC Sample Name: MP10418-D1 Operator:
Run Time: 10/15/09 18:06 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00021	1.7683	.00302	.11448	.10122	.00016
SDev	.00016	.00678	.00068	.0003	.00005	.00001
%RSD	77.191	.38342	22.809	.27047	.05015	10.929

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	36.904	.00026	.00002	.00215	.00473	.30967
SDev	.02287	.00009	.00017	.00016	.00026	.00524
%RSD	.06198	36.437	840.21	7.514	5.694	1.6929

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.7272	3.0804	.05752	.01192	77.82	.00095
SDev	.01775	.00139	.00003	.0006	.3177	.00028
%RSD	.2298	.04536	.0667	5.0461	.4083	29.724

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00630	.00146	.00344	.00168	.00323	.00283
SDev	.00125	.0012	.00084	.00047	.00009	.00045
%RSD	19.923	82.405	24.632	28.273	2.8493	15.891

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00348	-.00446	.00446	.0022	.1589	.00925
SDev	.00107	.00104	.00073	.0009	0	.00013
%RSD	30.755	23.513	16.436	40.87	.0111	1.4896

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00606	.00642	.13836
SDev	.00263	.00027	.00004
%RSD	43.425	4.2405	.03395

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10418-SD1 Operator:
Run Time: 10/15/09 18:13 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00148	1.7874	.00147	.10932	.10284	.00020
SDev	.00125	.00856	.00179	.00154	.00031	.00012
%RSD	84.479	.4794	121.65	1.412	.30193	60.395

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	36.467	-.00022	-.00088	.00176	.00505	.23917
SDev	.04621	.00073	.00036	.0015	.00084	.01626
%RSD	.12673	321.15	41.826	85.043	16.723	6.8013

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.7836	3.1162	.05739	.00911	77.88	-.00066
SDev	.01703	.00164	.0004	.00145	.3926	.00221
%RSD	.25109	.05276	.69715	15.935	.5041	331.64

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00545	-.00406	.00085	.01148	.00461	.00196
SDev	.00354	.00676	.00428	.00018	.00273	.00688
%RSD	64.998	166.15	502.76	1.5878	59.142	350.61

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00719	.00724	.01207	.0042	.1608	.00951
SDev	.00744	.00625	.00332	.0026	.0001	.00051
%RSD	103.4	86.312	27.502	61.94	.0489	5.4052

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01258	.00559	.15050
SDev	.00642	.00001	.00027
%RSD	51.075	.29286	.18354

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10418-S1 Operator:
Run Time: 10/15/09 18:19 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50825	53.478	.39715	1.0682	.50480	.39970
SDev	.00051	.19808	.00116	.0004	.00074	.00031
%RSD	.10035	.3704	.29403	.03745	.14826	.07788

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	85.975	.38027	.37924	.38491	.41118	49.699
SDev	.20047	.00007	.00099	.00062	.00063	.08173
%RSD	.23317	.01888	.26195	.16353	.15402	.16446

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	59.663	52.372	.45946	.40823	128.6	.38439
SDev	.13431	.07942	.00057	.0027	.8513	.0011
%RSD	.22511	.15164	.12453	.66247	.662	.28623

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35132	.40469	.38720	.38654	.39762	.40191
SDev	.00046	.00334	.00237	.00082	.0094	.01252
%RSD	.13173	.82542	.6141	.2139	2.3664	3.1159

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.38859	.37613	.39151	.3826	.4979	.42159
SDev	.00358	.00176	.00195	.0005	.0005	.00057
%RSD	.92279	.47044	.49866	.1346	.1044	.13597

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36737	.39734	.54431
SDev	.01357	.00069	.00073
%RSD	3.694	.17598	.13423

Zoom In Zoom Out

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Method: ICAPNC Sample Name: MP10418-S2 Operator:
Run Time: 10/15/09 18:26 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.50975	53.462	.40030	1.0745	.50517	.40303
SDev	.00049	.02797	.00031	.00368	.00034	.00042
%RSD	.09799	.05232	.07966	.34274	.06919	.10456

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	86.439	.38394	.38279	.38812	.41118	50.103
SDev	.12742	.00091	.00073	.00066	.00027	.04361
%RSD	.14742	.23813	.192	.17105	.06681	.08705

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	59.627	52.746	.46075	.41240	128.0	.38759
SDev	.08264	.05305	.0003	.00258	.0921	.00067
%RSD	.1386	.10058	.0655	.62613	.072	.17528

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35423	.40710	.38978	.39146	.40262	.40729
SDev	.00375	.00273	.0009	.00183	.00898	.01225
%RSD	1.0603	.67087	.23187	.46969	2.231	3.0078

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39282	.38077	.39658	.3865	.4981	.42524
SDev	.00247	.00256	.00148	.0015	.0002	.00102
%RSD	.6313	.67461	.37357	.3966	.0457	.24031

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37319	.39969	.54417
SDev	.013	.00024	.00062
%RSD	3.4861	.06092	.1144

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Method: ICAPNC Sample Name: T38812-1 Operator:
Run Time: 10/15/09 18:32 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00090	9.9509	.00526	.09633	.26820	.00040
SDev	.00016	.01892	.00145	.00059	.00087	.00001
%RSD	17.648	.1902	27.679	.61468	.32716	2.8521

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	126.06	.00436	.00298	.04049	.17591	11.301
SDev	.78685	.00017	.0004	.0005	.00065	.06295
%RSD	.6242	3.9125	13.471	1.2385	.36986	.55709

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.4064	4.6514	.26630	.01902	8.132	.02485
SDev	.01028	.01586	.00094	.00037	.0442	.00032
%RSD	.23346	.34111	.35539	1.964	.5437	1.3072

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.29142	.30210	.29882	.00435	.01202	.01345
SDev	.0014	.00305	.0023	.001	.00114	.0015
%RSD	.48246	1.0117	.77285	23.176	9.4931	11.215

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00862	-.00400	.00828	.0084	.2554	.27413
SDev	.0011	.002	.00124	.0003	.0005	.00095
%RSD	12.817	50.041	15.015	3.45	.1953	.3488

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00452	.02731	1.0215
SDev	.00325	.0004	.00369
%RSD	71.936	1.492	.36172

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Method: ICAPNC Sample Name: T38815-1 Operator:
Run Time: 10/15/09 18:39 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00110	19.535	.00795	.02431	.51791	.00096
SDev	.00027	.04696	.00125	.00075	.00074	.00001
%RSD	25.363	.24043	15.754	3.1095	.14436	1.7956

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	128.49	.00299	.00703	.06389	.25945	22.509
SDev	.49228	.00014	.00016	.0002	.00037	.0578
%RSD	.38313	4.8107	2.3995	.31831	.14535	.2568

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.3487	6.2660	.50247	.00772	.7404	.17567
SDev	.00199	.01444	.00091	.00046	.0081	.00041
%RSD	.08474	.23058	.18158	6.0507	1.097	.23481

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.32847	.35005	.34316	.00402	.01173	.01457
SDev	.00137	.00227	.00168	.00145	.00047	.00066
%RSD	.41973	.64871	.49239	36.234	4.0669	4.5452

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00554	-.00217	.00688	.0139	.2068	.32171
SDev	.00016	.00142	.00171	.0005	.0001	.0008
%RSD	2.9164	65.192	24.967	3.4	.0698	.25113

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00669	.03536	3.0897
SDev	.00118	.00039	.00537
%RSD	17.728	1.1113	.17403

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38816-1 Operator:
Run Time: 10/15/09 18:45 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00129	13.899	.00941	.03541	.31409	.00063
SDev	.00024	.04305	.00104	.00085	.00008	.00002
%RSD	18.969	.30974	11.127	2.4272	.02561	4.6834

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	88.433	.00452	.00303	.07051	.23034	17.400
SDev	.24645	.00008	.00027	.00046	.00009	.03477
%RSD	.27869	1.8978	9.1431	.66098	.04303	.19984

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.8281	5.3164	.19480	.00835	2.456	.02799
SDev	.00536	.01479	.00032	.00014	.0701	.00019
%RSD	.14004	.27821	.16571	1.7157	2.856	.71405

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.46042	.47422	.46986	.00239	.00450	.00574
SDev	.0043	.00391	.00119	.00031	.00208	.00301
%RSD	.9341	.82595	.25344	13.161	46.224	52.575

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00152	-.00497	.00584	.0231	.1638	.26249
SDev	.0013	.00168	.00088	.0011	.0001	.00062
%RSD	86.048	33.835	15.201	4.588	.0385	.23695

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00512	.03467	.69402
SDev	.00134	.00021	.00123
%RSD	26.178	.6177	.17799

Zoom In Zoom Out

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 18:53 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24648	39.909	1.9933	1.9274	2.0144	1.9854
SDev	.00079	.15853	.00555	.00327	.00086	.00247
%RSD	.32413	.39723	.27893	.17017	.04308	.12469

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.662	1.9544	1.9418	1.9522	1.9854	39.780
SDev	.0383	.00166	.00131	.00091	.00434	.04848
%RSD	.09657	.08525	.06758	.04684	.21873	.12187

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.342	39.395	1.9592	1.9607	39.26	1.9562
SDev	.15433	.01394	.00119	.01819	.2393	.00066
%RSD	.37331	.03539	.06119	.92793	.6096	.03393

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9272	1.9729	1.9579	1.9942	1.9772	1.9794
SDev	.0061	.00508	.00226	.00072	.06971	.09036
%RSD	.31669	.2576	.11549	.03612	3.5259	4.5655

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9725	1.9986	1.9918	1.916	1.854	1.9790
SDev	.02855	.00687	.00393	.0106	.0007	.00295
%RSD	1.4474	.34423	.19764	.5545	.0374	.14954

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9369	1.9533	2.0033
SDev	.04945	.00089	.00069
%RSD	2.5533	.04564	.03478

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 19:05 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00030	.00686	.00044	-.00151	.00000	-.00001
SDev	.00047	.00212	.00117	.00092	.00001	0
%RSD	156.41	30.977	263.42	61.31	484.73	28.823

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00344	-.00003	-.00036	-.00022	-.00009	-.01862
SDev	.00049	.00013	.00031	.00031	.00013	.00423
%RSD	14.331	407.32	85.513	140.37	140.23	22.731

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03635	-.00079	-.00002	.00049	-.0377	-.00040
SDev	.00546	.00089	.00003	.00033	.05	.00072
%RSD	15.019	112.77	130.59	67.86	132.6	179.22

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00035	-.00026	.00007	.00075	.00231	.00264
SDev	.00174	.00041	.00054	.00063	.00086	.0017
%RSD	498.56	158.05	724.97	84.635	37.261	64.374

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00110	.00000	.00082	-.0010	-.0001	.00012
SDev	.00084	.00039	.00076	.0003	0	.0001
%RSD	77.048	5007.1	92.668	27.73	2.426	82.354

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00082	.00004	-.00025
SDev	.00052	.00003	.00005
%RSD	63.414	76.957	21.803

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38962-1 Operator:
Run Time: 10/15/09 19:11 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00039	.24856	.00196	.07027	.06414	-.00005
SDev	.00028	.00111	.00037	.00075	.00001	.00003
%RSD	73.372	.44734	18.897	1.075	.03085	69.837

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.736	-.00017	.00000	.00121	.00114	.71060
SDev	.04476	.00009	.00038	.00034	.00019	.00475
%RSD	.17394	54.16	14081	28.388	16.67	.66983

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.6540	2.5490	.05596	.00773	41.34	.00114
SDev	.00165	.00454	.00005	.00027	.1372	.00029
%RSD	.04517	.1783	.1034	3.5337	.3319	25.829

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00226	.00026	.00129	.00189	.00397	.00438
SDev	.00191	.00091	.00029	.0009	.00072	.00112
%RSD	84.348	348.67	22.728	47.642	18.293	25.569

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00259	-.00678	.00592	.0011	.1414	.00100
SDev	.0003	.00313	.00053	.0015	.0001	.0001
%RSD	11.715	46.163	9.0512	143.2	.0716	10.242

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00438	.00007	.00847
SDev	.00054	.00016	.00007
%RSD	12.445	233.42	.8685

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T38962-2 Operator:
Run Time: 10/15/09 19:18 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00029	.14395	.00282	.05437	.05814	-.00003
SDev	.00011	.00257	.00087	.0003	.00007	.00002
%RSD	37.995	1.7885	31.086	.56339	.1208	69.333

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.277	-.00005	-.00004	.00000	.00134	.64090
SDev	.07154	.00009	.00031	.00025	.00024	.01454
%RSD	.28303	176.6	686.59	9384.1	18.077	2.2687

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.5495	2.5038	.06276	.00874	41.45	.00012
SDev	.01306	.00502	.00017	.00004	.2816	.00022
%RSD	.36794	.20077	.28347	.56571	.6793	189.91

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00416	.00086	.00231	.00154	.00326	.00313
SDev	.00016	.0002	.00012	.00108	.00069	.00098
%RSD	4.0563	23.734	5.2949	70.079	21.452	31.493

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00294	-.00564	.00484	.0005	.1388	.00022
SDev	.00044	.00132	.00098	.0013	.0001	.00017
%RSD	15.07	23.555	20.417	238.1	.1046	77.781

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00679	-.00009	.00374
SDev	.00055	.00041	.00011
%RSD	8.1449	442.71	3.1304

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Method: ICAPNC Sample Name: T38962-3 Operator:
Run Time: 10/15/09 19:24 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00004	.64349	.00170	.10050	.05423	.00000
SDev	.0003	.00157	.00077	.00016	.00008	0
%RSD	756.08	.24447	45.421	.16507	.16064	314.4

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	9.7283	-.00018	.00021	.00062	.00411	1.5510
SDev	.02429	.00009	.00015	.00035	.00011	.00422
%RSD	.24975	49.821	72.506	55.774	2.9057	.27234

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1715	1.0053	.02869	.00238	78.11	.00031
SDev	.00417	.00446	.00006	.00019	.2443	.00021
%RSD	.35621	.44381	.23333	8.1302	.3127	69.356

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00425	.00261	.00352	.00192	.00118	.00134
SDev	.00084	.00075	.00039	.00006	.00046	.00063
%RSD	19.901	28.881	11.196	3.2356	39.052	47.362

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00030	-.00526	.00521	.0016	.0564	.00942
SDev	.00053	.00075	.00035	.0005	0	.0001
%RSD	177.39	14.247	6.7549	33.59	.0742	1.1377

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00521	.00199	.01193
SDev	.00086	.00011	.00007
%RSD	16.521	5.783	.59833

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Method: ICAPNC Sample Name: T38963-1 Operator:
Run Time: 10/15/09 19:31 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00020	.08100	.00206	.05200	.06552	-.00002
SDev	.0001	.00442	.00081	.00064	.00003	.00002
%RSD	52.03	5.4617	39.643	1.2465	.05371	81.433

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.958	-.00026	.00000	.00015	.00100	.69268
SDev	.01507	.00009	.00033	.00018	.00004	.00732
%RSD	.05807	34.184	3425.5	118.45	4.9146	1.0568

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.6672	2.5818	.05908	.00780	42.80	.00080
SDev	.01133	.00587	.00001	.0004	.1202	.00029
%RSD	.30907	.22749	.03257	5.135	.2808	36.907

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00543	-.00003	.00215	.00134	.00328	.00290
SDev	.00114	.0013	.00089	.00029	.00109	.00179
%RSD	21.163	3508.8	41.726	22.225	33.45	61.734

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00350	-.00485	.00413	.0010	.1447	.00059
SDev	.00084	.0015	.00032	.0006	.0001	0
%RSD	24.13	31.117	7.8529	66.18	.0499	.2638

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00502	.00003	.00465
SDev	.00137	.00036	.00009
%RSD	27.431	1214	1.9832

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Method: ICAPNC Sample Name: T38963-2 Operator:
Run Time: 10/15/09 19:37 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00021	.07600	.00173	.05049	.05746	-.00006
SDev	.00008	.00198	.00066	.00099	.00002	.00003
%RSD	38.526	2.6058	38.54	1.9705	.04738	45.233

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	25.225	-.00011	.00004	.00027	.00089	.35928
SDev	.03021	.00005	.00021	.00023	.00011	.00224
%RSD	.11979	47.973	446.93	84.077	13.349	.62435

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.5699	2.4875	.04903	.00876	41.55	.00037
SDev	.00589	.00238	.00012	.00024	.2358	.00042
%RSD	.16523	.0957	.24703	2.7655	.5676	113.36

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00189	-.00021	.00085	.00145	.00346	.00332
SDev	.00214	.00055	.00068	.0009	.0012	.00227
%RSD	113.13	258.75	79.886	61.888	34.742	68.444

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00315	-.00673	.00525	.0018	.1381	.00011
SDev	.00091	.00365	.00085	.0011	.0001	.0001
%RSD	28.921	54.173	16.34	60.87	.0762	90.675

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00747	.00009	.00384
SDev	.00119	.00004	.00009
%RSD	16.016	43.216	2.4416

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Method: ICAPNC Sample Name: T38963-3 Operator:
Run Time: 10/15/09 19:44 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00031	.82382	.00198	.10019	.05560	-.00004
SDev	.00014	.00255	.00159	.00087	.00006	.00002
%RSD	48.354	.31047	80.471	.87424	.12412	47.057

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	9.6229	-.00030	.00003	.00079	.00363	1.6237
SDev	.0053	.00003	.00024	.00006	.00022	.00702
%RSD	.05513	10.102	657.43	7.9385	6.2637	.43251

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1886	1.0020	.02924	.00208	78.93	.00033
SDev	.00492	.00144	.00005	.00017	.2017	.00047
%RSD	.41402	.14381	.18095	8.1714	.2556	141.77

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00637	.00387	.00505	.00137	.00099	.00187
SDev	.00056	.00241	.00139	.0003	.00014	.00075
%RSD	8.9222	62.292	27.521	21.831	14.133	40.187

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00132	-.00470	.00410	.0010	.0565	.01186
SDev	.0014	.00126	.00093	.0014	0	.00025
%RSD	106.63	26.874	22.671	146.8	.0361	2.1205

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00448	.00226	.01315
SDev	.00082	.00006	.00016
%RSD	18.388	2.7085	1.2783

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Method: ICAPNC Sample Name: T39196-1 Operator:
Run Time: 10/15/09 19:50 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00038	.42407	-.00048	.00870	.01981	-.00002
SDev	.00037	.00465	.00124	.00043	.00001	.00002
%RSD	98.399	1.0967	258.16	5.0281	.09192	118.06

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.3986	-.00014	-.00007	.00088	.00291	.31557
SDev	.02006	.00004	.00031	.00025	.00033	.00691
%RSD	.31363	29.969	400.1	29.242	11.382	2.1897

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.4310	.56112	.01144	.02352	1.614	.00083
SDev	.00881	.00263	.00005	.00079	.0494	.0006
%RSD	.61597	.47003	.52328	3.3954	3.062	72.183

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00657	.00183	.00378	.00165	.00025	.00034
SDev	.00157	.00032	.0005	.00056	.00053	.0004
%RSD	23.985	17.729	13.4	34.392	210.98	115.99

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00048	-.00457	.00445	.0010	.0188	.00444
SDev	.00166	.00039	.00095	.0012	0	.00008
%RSD	346.66	8.7377	21.482	119.9	.1132	1.9042

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00625	.00142	.09647
SDev	.00194	.00053	.0001
%RSD	31.172	37.448	.11367

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Method: ICAPNC Sample Name: T39196-2 Operator:
Run Time: 10/15/09 19:57 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00007	.44804	-.00007	.00925	.01946	.00000
SDev	.00068	.00748	.00025	.00055	.00006	.00004
%RSD	921.59	1.6706	325.55	5.9902	.35528	509.82

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.3774	.00001	-.00025	.00122	.00278	.33402
SDev	.00545	.00029	.00037	.00057	.00012	.00105
%RSD	.08554	1591.1	151.33	46.858	4.5611	.31611

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.3812	.55903	.01146	.02453	1.644	.00044
SDev	.00506	.00225	.00009	.00008	.0558	.00047
%RSD	.3666	.40362	.86933	.3309	3.395	106.79

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00639	.00080	.00302	.00052	-.00009	-.00026
SDev	.00044	.00151	.00115	.00062	.00085	.00179
%RSD	6.8931	189.21	38.155	118.2	930.33	668.81

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00031	-.00675	.00385	.0014	.0189	.00407
SDev	.00102	.00155	.00164	.0009	0	.00008
%RSD	328.88	23.056	42.795	62.52	.2113	2.089

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00544	.00137	.08762
SDev	.00147	.00021	.00019
%RSD	27.091	15.474	.22083

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Method: ICAPNC Sample Name: T39197-1 Operator:
Run Time: 10/15/09 20:03 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00020	.08292	.00163	.09477	.03084	-.00011
SDev	.00022	.00469	.0013	.00099	.00004	.00001
%RSD	109.75	5.658	79.628	1.0512	.14508	8.9975

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	46.875	-.00033	-.00036	.00049	.00382	-.00313
SDev	.02983	.00003	.00013	.00006	.00007	.00649
%RSD	.06365	10.092	35.553	12.436	2.054	207.03

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.7865	11.728	.00370	.00979	180.3	.00057
SDev	.01808	.01121	.00002	.0004	1.058	.00033
%RSD	.26647	.09558	.54594	4.1462	.5868	57.448

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00444	-.00101	.00117	.00022	.00128	.00153
SDev	.00045	.00041	.00042	.00059	.00024	.00068
%RSD	10.123	41.201	36.267	265.12	19.259	44.697

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00021	-.00648	.00328	.0019	.1940	.00011
SDev	.00109	.00134	.00129	.001	.0001	.0001
%RSD	499.8	20.825	39.543	53.33	.0392	93.844

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00696	.00016	.00916
SDev	.00122	.0003	.00003
%RSD	17.628	187.22	.3494

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Method: ICAPNC Sample Name: T39422-1 Operator:
Run Time: 10/15/09 20:10 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00022	.86355	.00048	.02393	.04766	-.00002
SDev	.00015	.00488	.00048	.00009	.00009	.00001
%RSD	69.525	.56572	98.675	.40095	.19737	39.899

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	10.259	-.00014	-.00004	.00365	.01447	.59635
SDev	.00842	.00012	.00019	.00013	.00018	.00268
%RSD	.08214	87.959	474.27	3.6103	1.2487	.45097

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.6610	.93210	.01319	.00241	2.974	.00087
SDev	.00844	.00159	.00002	.00032	.0553	.00048
%RSD	.50839	.17133	.1787	13.288	1.859	56.31

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00353	.00332	.00376	.00191	.00137	.00141
SDev	.00121	.00079	.0006	.00056	.00091	.00098
%RSD	34.39	23.942	16.153	29.423	66.633	69.595

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00075	-.00484	.00498	.0030	.0475	.01360
SDev	.00162	.00147	.00062	.0008	0	.00033
%RSD	215.52	30.43	12.437	28.6	.1037	2.4572

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00604	.00348	.05886
SDev	.00131	.00022	.00015
%RSD	21.822	6.4292	.25535

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 20:18 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24806	39.939	2.0243	1.9511	2.0217	2.0104
SDev	.00045	.16559	.0017	.00385	.00312	.0023
%RSD	.18148	.41463	.08403	.19745	.15447	.11472

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.479	1.9888	1.9683	1.9780	1.9856	40.369
SDev	.05088	.00308	.0025	.00175	.00578	.02084
%RSD	.12569	.15526	.12703	.08849	.29146	.05164

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.503	39.819	1.9866	1.9930	39.12	1.9963
SDev	.20529	.08686	.00213	.01639	.2518	.00335
%RSD	.49463	.21815	.10758	.82241	.6438	.16789

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9564	1.9920	1.9804	2.0129	2.0025	2.0041
SDev	.00785	.00227	.0017	.00343	.06545	.08465
%RSD	.40128	.11424	.08623	.17063	3.2688	4.2242

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9987	2.0248	2.0068	1.962	1.867	2.0024
SDev	.02702	.00446	.00322	.0053	.0031	.00098
%RSD	1.352	.22048	.16064	.2715	.1654	.04919

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9546	1.9712	2.0428
SDev	.04505	.00181	.00409
%RSD	2.3053	.09207	.20055

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 20:29 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00022	.00753	-.00025	-.00144	-.00001	-.00003
SDev	.00016	.00129	.00083	.00077	0	.00001
%RSD	74.905	17.213	322.53	53.647	4.9945	60.293

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00561	-.00013	-.00007	-.00004	-.00052	-.02252
SDev	.00036	.00005	.00021	.00021	.00009	.00094
%RSD	6.5822	42.51	288.86	491.21	18.497	4.2084

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00950	-.00008	.00000	.00024	-.0154	.00007
SDev	.00333	.00137	.00004	.0001	.0615	.00045
%RSD	35.106	1574.6	516.99	42.822	398	576.61

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00040	-.00092	-.00027	.00074	.00218	.00208
SDev	.00066	.00098	.00043	.00059	.0007	.00035
%RSD	164.77	105.75	158.07	79.867	32.275	16.937

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00183	-.00218	.00191	-.0002	-.0001	.00030
SDev	.00173	.00106	.00035	.0005	0	.0001
%RSD	94.417	48.5	18.594	212.2	1.884	34.274

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00033	-.00017	-.00012
SDev	.00158	.00036	.00008
%RSD	468.17	208.76	69.6

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Method: ICAPNC Sample Name: T39311-1 Operator:
Run Time: 10/15/09 20:36 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00043	1.5949	.00076	.01791	.02987	.00000
SDev	.0002	.00872	.00018	.00005	.00002	.00004
%RSD	47.286	.54718	24.006	.33315	.0842	836.62

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	6.9619	-.00022	-.00043	.00139	.00252	1.1946
SDev	.01657	.00004	.00021	.00021	.00004	.00058
%RSD	.23803	20.338	49.193	15.53	1.7122	.04937

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5182	1.0746	.02425	.00229	7.367	.00088
SDev	.00065	.00194	.00006	.00011	.0573	.00035
%RSD	.04288	.18087	.27952	5.2106	.7775	40.163

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00744	.00572	.00655	.00118	.00420	.00471
SDev	.00075	.00035	.00042	.00058	.001	.0012
%RSD	10.191	6.2399	6.4858	49.216	23.815	25.554

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00262	-.00773	.00534	.0013	.0341	.01980
SDev	.00186	.00099	.00082	.0005	0	.00034
%RSD	71.193	12.817	15.417	39	.0386	1.7547

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00696	.00299	.01292
SDev	.00157	.00011	.00002
%RSD	22.618	3.9769	.19737

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Method: ICAPNC Sample Name: T39311-2 Operator:
Run Time: 10/15/09 20:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00027	.12637	.00165	.04101	.03815	-.00005
SDev	.00009	.00357	.00087	.00037	.00003	.00001
%RSD	36.013	2.8268	53.017	.91133	.08883	29.81

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	18.987	-.00002	.00012	.00024	.00091	.35665
SDev	.03691	.00008	.00007	.00021	.00021	.00263
%RSD	.1944	366.56	54.552	86.407	23.821	.73892

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.8426	1.7545	.03990	.00755	31.13	.00065
SDev	.01119	.0016	0	.00013	.1159	.00033
%RSD	.39374	.09134	.0139	1.7501	.3724	51.592

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00664	.00199	.00390	.00071	.00402	.00397
SDev	.0011	.00076	.00061	.00175	.00058	.00094
%RSD	16.591	38.477	15.665	245.94	14.494	23.887

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00357	-.00700	.00426	.0005	.0955	.00040
SDev	.00015	.00317	.00132	.0009	.0001	.0002
%RSD	4.4131	45.334	31.008	185.1	.1545	51.046

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00721	.00001	.00455
SDev	.00105	.00024	.00033
%RSD	14.656	1285.4	7.2701

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Method: ICAPNC Sample Name: T39311-3 Operator:
Run Time: 10/15/09 20:49 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00016	2.8264	.00053	.01911	.04240	.00002
SDev	.00023	.00876	.00131	.00031	.00003	.00004
%RSD	139.48	.31015	245.44	1.6269	.08893	145.63

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	7.6618	-.00018	.00016	.00325	.00539	1.7674
SDev	.01845	.00009	.00025	.00024	.0001	.00684
%RSD	.24091	50.164	153.64	7.5396	1.9793	.38706

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.9816	1.5446	.01899	.00114	2.240	.00109
SDev	.00484	.00605	.00006	.00052	.088	.00036
%RSD	.24451	.39192	.33565	45.819	3.926	33.527

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00939	.00800	.00868	.00201	.00100	.00111
SDev	.0014	.00053	.00033	.00039	.0011	.0017
%RSD	14.96	6.7353	3.8572	19.472	109.53	153.58

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00025	-.00646	.00596	.0020	.0324	.03102
SDev	.00015	.00356	.00235	.0001	0	.00055
%RSD	60.888	55.146	39.419	6.825	.0889	1.7872

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00532	.00609	.03230
SDev	.00189	.00026	.00019
%RSD	35.686	4.4269	.59241

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Method: ICAPNC Sample Name: T39312-1 Operator:
Run Time: 10/15/09 20:55 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00006	1.7822	.00044	.01851	.03073	.00000
SDev	.00032	.00906	.00127	.0003	.00008	0
%RSD	540.46	.50871	284.53	1.6633	.2677	82.03

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	7.1312	-.00020	-.00012	.00198	.00284	1.2524
SDev	.0071	.00004	.00036	.00015	.00015	.00272
%RSD	.09959	20.256	288.18	7.8474	5.3481	.21792

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5563	1.1044	.02326	.00225	7.534	.00076
SDev	.0047	.00075	.00006	.00065	.0481	.00036
%RSD	.30244	.06834	.30032	28.882	.639	46.915

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01322	.01055	.01165	.00054	.00228	.00262
SDev	.00053	.00144	.00088	.00034	.00171	.00232
%RSD	4.076	13.725	7.6322	63.58	75.282	88.361

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00104	-.00588	.00348	.0018	.0349	.03031
SDev	.00064	.00142	.00071	.0004	0	.00087
%RSD	62.295	24.15	20.438	20.17	.0773	2.8953

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00616	.00312	.01443
SDev	.00003	.0001	.00012
%RSD	.50365	3.25	.83506

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Method: ICAPNC Sample Name: T39312-2 Operator:
Run Time: 10/15/09 21:02 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00033	.10582	.00111	.03987	.03722	-.00011
SDev	.0005	.00131	.00069	.00046	.00008	.00003
%RSD	151.42	1.2403	62.54	1.175	.23932	27.791

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	18.450	-.00009	-.00006	.00022	.00106	.32937
SDev	.03175	.00007	.00024	.00015	.00021	.00469
%RSD	.17214	76.506	363.5	71.69	20.46	1.4251

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.7723	1.7063	.03787	.00748	30.39	.00025
SDev	.00063	.00551	.00009	.00011	.047	.00028
%RSD	.023	.32307	.23891	1.5162	.1546	111.26

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01166	.00697	.00873	.00204	.00474	.00479
SDev	.00095	.00131	.00076	.00115	.00003	.00041
%RSD	8.1891	18.865	8.7689	56.534	.84092	8.7536

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00410	-.00496	.00526	.0014	.0931	.00046
SDev	.00081	.00105	.00204	.0008	0	.00026
%RSD	19.775	21.195	38.787	54.85	.0347	57.605

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00807	-.00002	.00559
SDev	.00033	.00011	.00035
%RSD	4.1413	446.33	6.2735

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Method: ICAPNC Sample Name: T39312-3 Operator:
Run Time: 10/15/09 21:08 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00005	2.6556	.00148	.01807	.03955	.00000
SDev	.00005	.01667	.00093	.0002	.00012	.00003
%RSD	102.68	.62775	62.952	1.1518	.31461	472.18

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	7.0824	-.00019	.00021	.00293	.00440	1.6567
SDev	.00924	.00008	.00022	.00013	.00015	.00351
%RSD	.1305	44.519	106.27	4.7562	3.593	.21209

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.8488	1.4309	.01750	.00131	2.090	.00153
SDev	.00904	.00383	.00004	.0005	.0735	.00031
%RSD	.48923	.26769	.2464	38.321	3.516	20.589

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01385	.00981	.01138	.00117	.00107	.00047
SDev	.00189	.00156	.0007	.00104	.00115	.00157
%RSD	13.71	15.905	6.1533	88.62	107.37	334.29

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00173	-.00520	.00409	.0015	.0300	.02891
SDev	.00069	.00329	.00151	.0012	0	.00025
%RSD	39.676	63.36	37.06	83.29	.162	.88984

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00713	.00580	.03032
SDev	.0006	.00029	.00009
%RSD	8.5239	5.1417	.29961

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Method: ICAPNC Sample Name: T39530-1 Operator:
Run Time: 10/15/09 21:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00012	.12222	.01641	.02557	.28038	-.00009
SDev	.00007	.00182	.00184	.00037	.00129	.00004
%RSD	57.263	1.4939	11.24	1.4857	.46088	47.953

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	45.021	-.00021	-.00106	.00037	.00235	.20993
SDev	.35394	.00015	.00095	.00029	.0006	.0185
%RSD	.78617	70.621	89.866	79.683	25.8	8.8123

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5247	3.0711	.02415	.00184	21.54	.00094
SDev	.00383	.02003	.00012	.00092	.1263	.00054
%RSD	.25179	.65232	.51295	50.214	.5862	58.112

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00524	.00328	.00421	.00148	.00086	.00106
SDev	.00095	.00064	.00022	.0011	.00111	.00163
%RSD	18.198	19.612	5.2692	74.878	129.8	153.72

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00008	-.00600	.00493	.0013	.1760	.00023
SDev	.0002	.00229	.00051	.0015	.0004	.00031
%RSD	231.93	38.211	10.412	120.6	.2272	136.79

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00692	-.00074	.02448
SDev	.00074	.0008	.00031
%RSD	10.783	108.44	1.2723

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Method: ICAPNC Sample Name: T39530-2 Operator:
Run Time: 10/15/09 21:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00026	.11802	.01820	.02467	.28653	-.00011
SDev	.00012	.0059	.00123	.00015	.00018	.00002
%RSD	45.32	5.0023	6.7605	.63271	.0636	19.17

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	45.882	-.00032	-.00030	.00025	.00430	.23369
SDev	.03334	.00008	.00019	.00028	.0001	.0084
%RSD	.07267	24.894	64.834	110.52	2.5083	3.5948

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5217	3.1378	.01891	.00199	21.98	.00243
SDev	.01073	.00245	.00003	.00037	.0806	.00034
%RSD	.70527	.07839	.17845	19.031	.3669	14.339

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00597	.00213	.00362	.00206	.00140	.00207
SDev	.00192	.00077	.0006	.00145	.00024	.00034
%RSD	32.298	36.449	16.646	70.339	17.812	16.767

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00049	-.00473	.00520	.0006	.1799	.00023
SDev	.0004	.00233	.00237	.0013	.0001	0
%RSD	82.136	49.369	45.716	206	.044	1.8024

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00756	-.00049	.02914
SDev	.00177	.00019	.0001
%RSD	23.511	38.499	.35336

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39530-3 Operator:
Run Time: 10/15/09 21:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00038	.05893	.02351	.02551	.27783	-.00011
SDev	.00012	.00386	.00076	.00039	.00016	0
%RSD	31.722	6.5532	3.244	1.5606	.05937	5.2985

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	43.450	-.00031	.00010	.00011	.03008	.48492
SDev	.02978	.00007	.00029	0	.00014	.0008
%RSD	.06855	24.935	264.71	4.0019	.48835	.16695

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.4926	3.2094	.20392	.00221	21.77	-.00005
SDev	.00652	.00685	.00024	.00042	.1611	.00031
%RSD	.43744	.21343	.12182	19.376	.7402	533.62

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01201	.00668	.00868	.00111	.00721	.00703
SDev	.00308	.00121	.00037	.00067	.00068	.00122
%RSD	25.677	18.213	4.3459	60.416	9.4854	17.429

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00702	-.00445	.00362	.0022	.1859	.00027
SDev	.00049	.00218	.00043	.0006	.0001	.00009
%RSD	7.0262	48.989	11.915	26.24	.0414	35.581

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00489	-.00002	.02774
SDev	.00036	.00022	.00011
%RSD	7.3486	965.65	.42401

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Method: ICAPNC Sample Name: T39530-4 Operator:
Run Time: 10/15/09 21:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00032	.10606	.01711	.02450	.29073	-.00012
SDev	.00011	.00459	.0009	.00073	.00045	.00002
%RSD	36.51	4.3295	5.2949	3.0031	.15566	19.28

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	46.591	-.00029	-.00016	.00027	.00711	.16906
SDev	.06119	.00001	.00012	.00012	.00023	.00385
%RSD	.13134	6.2232	77.945	45.744	3.337	2.2792

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.5322	3.1780	.01355	.00214	22.44	-.00008
SDev	.00806	.00744	.00001	.00021	.0203	.00046
%RSD	.52656	.23412	.07739	10.242	.0905	557.29

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00940	.00660	.00776	.00112	.00126	.00174
SDev	.00287	.00146	.00082	.00081	.00129	.00172
%RSD	30.546	22.184	10.626	72.236	102.85	98.64

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00025	-.00472	.00379	.0009	.1834	.00024
SDev	.00072	.00167	.00046	.001	.0002	0
%RSD	280.51	35.476	12.303	112.5	.1102	1.3222

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00745	-.00018	.02684
SDev	.00062	.00006	.00012
%RSD	8.3864	35.334	.46718

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 21:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24579	39.611	2.0064	1.9374	2.0044	1.9861
SDev	.00026	.04386	.00681	.00433	.00143	.00414
%RSD	.1091	.11073	.33959	.22385	.07161	.20895

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.041	1.9754	1.9573	1.9609	1.9651	40.031
SDev	.07902	.00317	.00443	.00316	.00012	.0611
%RSD	.19734	.16083	.2264	.16151	.00619	.15264

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.168	39.402	1.9716	1.9765	38.82	1.9901
SDev	.10855	.06155	.00367	.01961	.1383	.00136
%RSD	.26367	.15623	.18637	.99218	.3563	.0687

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9539	1.9701	1.9649	1.9993	1.9917	1.9914
SDev	.00427	.00182	.00151	.00377	.06525	.08474
%RSD	.21856	.09258	.07726	.18898	3.2762	4.2554

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9918	2.0279	1.9848	1.948	1.848	1.9977
SDev	.02625	.00348	.00394	.0113	.0003	.00182
%RSD	1.3183	.17182	.19872	.5821	.0157	.09154

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9308	1.9523	2.0235
SDev	.05568	.00324	.00093
%RSD	2.8842	.166	.04631

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 21:54 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00046	.01114	-.00025	-.00150	-.00001	-.00005
SDev	.00024	.00048	.00044	.00084	.00004	.00002
%RSD	54.139	4.3766	172.81	55.97	255.36	44.842

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00243	-.00023	-.00013	-.00027	-.00087	-.02129
SDev	.00126	.0001	.0003	.00012	.00019	.00786
%RSD	51.767	47.573	223.5	46.244	22.207	36.933

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01621	.00012	.00007	.00000	-.0911	.00005
SDev	.00037	.0013	.00004	.00041	.0819	.00011
%RSD	2.3226	1084.5	59.929	5847	89.91	225.02

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00006	.00047	.00056	.00187	.00279	.00265
SDev	.00123	.00103	.00083	.00055	.00028	.00105
%RSD	1911.6	220.71	148.23	29.77	10.068	39.58

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00252	.00029	.00237	-.0011	-.0001	.00007
SDev	.00138	.00165	.00032	.0003	0	.0002
%RSD	54.902	562.61	13.742	24.04	23.05	289.51

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00037	-.00043	-.00005
SDev	.00118	.00013	.00007
%RSD	312.73	31.492	149.09

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Method: ICAPNC Sample Name: T39069-1 Operator:
Run Time: 10/15/09 22:00 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00003	.23622	.00166	.01136	.01252	-.00008
SDev	.00022	.00335	.00045	.00053	.00003	.00001
%RSD	691.8	1.4217	27.144	4.7178	.27747	18.513

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	3.1725	.00033	-.00002	.00068	.09645	.12334
SDev	.00402	.00002	.00014	.00006	.00009	.00475
%RSD	.1269	8.662	521.83	9.8634	.09535	3.8571

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.61267	.53505	.01071	.00136	.1515	.00100
SDev	.00524	.0007	.00008	.00032	.0443	.00037
%RSD	.85592	.13207	.76666	23.516	29.2	36.807

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.02479	.01892	.02109	.00200	.00250	.00222
SDev	.00207	.0015	.00068	.00041	.001	.00072
%RSD	8.3722	7.9322	3.2381	20.675	40.13	32.569

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00252	-.00669	.00605	.0032	.0066	.00145
SDev	.0016	.00105	.00049	.0025	0	0
%RSD	63.322	15.799	8.1245	79.2	.2367	.26116

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00745	.00050	.04873
SDev	.00103	.00033	.0001
%RSD	13.842	66.949	.21186

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Method: ICAPNC Sample Name: T39161-1 Operator:
Run Time: 10/15/09 22:07 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00065	1.1897	.01335	.55650	.20474	-.00011
SDev	.00039	.00715	.00103	.0017	.00037	.00004
%RSD	59.967	.60179	7.7183	.30596	.18392	40.714

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	53.474	.00184	.09507	.04260	.11837	3.4464
SDev	.04413	.00002	.00022	.00037	.00054	.00568
%RSD	.08253	1.3547	.2394	.87697	.45862	.16501

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	44.676	16.895	.15475	4.2773	67.26	.20690
SDev	.22626	.02621	.00008	.03148	.3829	.00011
%RSD	.50646	.15513	.05595	.736	.5693	.0563

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.09466	.08505	.08857	.00909	.00902	.02319
SDev	.00211	.00072	.0004	.00087	.00086	.00168
%RSD	2.2363	.84933	.4569	9.6564	9.5909	7.2456

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01988	.00058	.01306	.0206	.2448	.01962
SDev	.00085	.00214	.00064	.0012	.0004	.00016
%RSD	4.2826	363.91	4.954	6.026	.1695	.8401

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00595	.00497	.24103
SDev	.00102	.0002	.0004
%RSD	17.206	4.0484	.16646

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Method: ICAPNC Sample Name: T39402-1 Operator:
Run Time: 10/15/09 22:13 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00008	.26765	.00042	.24261	.09077	-.00014
SDev	.00016	.00486	.00085	.00012	.00015	.00001
%RSD	190.31	1.8183	200.06	.05231	.1679	11.252

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	82.745	.00046	.00046	.00042	.00666	.01316
SDev	.18537	.00011	.00025	.00026	.00016	.00354
%RSD	.22403	24.007	55.56	61.822	2.4971	26.935

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	19.366	8.4616	.03871	.01600	145.3	.01811
SDev	.07168	.0099	.00006	.00323	.6721	.00046
%RSD	.37014	.11709	.17668	20.207	.4624	2.5696

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00516	.00049	.00226	.00222	.00159	.00158
SDev	.00118	.00093	.00098	.0009	.00046	.00051
%RSD	22.851	187.44	43.599	40.552	29.384	32.299

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00105	-.00512	.00564	.0023	.4797	.00031
SDev	.0004	.00246	.0002	.0007	.0003	.0001
%RSD	38.623	48.029	3.6922	30.52	.0702	32.112

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00680	.00102	.02069
SDev	.00054	.00017	.00016
%RSD	8.0013	17.431	.80535

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Method: ICAPNC Sample Name: T39412-1 Operator:
Run Time: 10/15/09 22:20 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00017	1.0463	.00263	.01503	.02515	-.00003
SDev	.00017	.00376	.00073	.00053	.00004	.00003
%RSD	98.743	.35949	27.973	3.5678	.18833	106.34

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	15.576	.00014	.00025	.00232	.00854	.68051
SDev	.01238	.00009	.00028	.0002	.00004	.00526
%RSD	.07951	63.435	111.49	8.6335	.57639	.77401

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.9446	2.0094	.02231	.00269	2.407	.00162
SDev	.01114	.00348	.00001	.00033	.1144	.00081
%RSD	.37838	.17321	.05818	12.461	4.752	50.036

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01329	.00887	.01057	.00252	.00130	.00139
SDev	.00071	.00123	.0006	.0012	.00119	.00206
%RSD	5.4064	13.887	5.7621	47.95	91.309	147.53

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00057	-.00568	.00633	.0016	.0401	.01114
SDev	.00105	.00335	.00014	.0004	0	.00039
%RSD	182.1	59.043	2.2221	22.32	.093	3.5859

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00637	.00325	.07101
SDev	.00119	.00005	.00011
%RSD	18.696	1.5644	.1551

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Method: ICAPNC Sample Name: T39510-1 Operator:
Run Time: 10/15/09 22:26 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00035	1.1494	.03436	.15298	.37182	-.00005
SDev	.0002	.00155	.00139	.00074	.00067	.00003
%RSD	56.277	.13515	4.0599	.48957	.1819	57.154

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	95.296	-.00043	.00023	.00184	.00924	2.4942
SDev	.18259	.00007	.0001	.00021	.00029	.01396
%RSD	.19161	18.026	46.609	11.589	3.2464	.5598

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.0196	55.481	.78417	.00385	38.53	.00294
SDev	.00363	.07884	.00077	.0004	.1412	.00066
%RSD	.35694	.1421	.09859	10.485	.3665	22.45

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00178	.00359	.00325	.00331	.00217	.00363
SDev	.0014	.00014	.00039	.00113	.0012	.00178
%RSD	78.858	4.059	12.223	34.113	55.47	49.254

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00124	-.00509	.00726	.0015	.3138	.01474
SDev	.00101	.0029	.00078	.0018	.0005	.00022
%RSD	81.819	57.082	10.735	116.5	.1474	1.5286

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00577	.00176	.00812
SDev	.00073	.00041	.00007
%RSD	12.74	23.272	.94014

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Method: ICAPNC Sample Name: T35493-1R Operator:
Run Time: 10/15/09 22:33 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00018	3.6505	.00872	.01705	.05157	.00020
SDev	.00027	.02014	.00143	.00046	.00003	.00001
%RSD	146.76	.55171	16.483	2.7177	.06317	6.5208

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	13.905	.00161	.00133	.00942	.03913	3.5691
SDev	.02929	.00013	.00026	.00016	.00023	.00788
%RSD	.21067	8.562	20.02	1.73	.60011	.221

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1194	1.0168	.06692	.00210	1.129	.00815
SDev	.00637	.00169	.00011	.00035	.0239	.00016
%RSD	.56961	.16635	.1675	16.909	2.115	2.0087

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04849	.04872	.04891	.00132	.00065	.00098
SDev	.00197	.00207	.00109	.00131	.00026	.00082
%RSD	4.0754	4.2623	2.2344	99.931	40.541	84.025

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00055	-.00780	.00557	.0041	.0343	.03204
SDev	.00102	.00356	.00103	.0011	0	.00036
%RSD	183.48	45.64	18.564	25.98	.1261	1.1263

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00714	.00684	.30276
SDev	.00015	.00027	.00062
%RSD	2.1945	3.9641	.20509

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Method: ICAPNC Sample Name: T35493-2R Operator:
Run Time: 10/15/09 22:39 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00012	3.1076	.00944	.01473	.05231	.00014
SDev	.00014	.00505	.00076	.00004	.00001	.00003
%RSD	113.09	.16269	8.1203	.29613	.02173	23.541

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	14.189	.00139	.00088	.00904	.03875	3.1206
SDev	.02184	.00006	.00023	.00014	.00012	.0048
%RSD	.15392	4.9762	26.515	1.5625	.33465	.15401

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	1.1531	.95074	.06810	.00207	1.226	.00887
SDev	.00205	.00161	.00006	.00008	.0448	.00049
%RSD	.17798	.16952	.09329	4.2956	3.652	5.6283

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04883	.04765	.04830	.00132	.00107	.00169
SDev	.00112	.00159	.00125	.00018	.0002	.0005
%RSD	2.3132	3.357	2.6037	13.736	18.905	30.094

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00070	-.00614	.00476	.0032	.0334	.03011
SDev	.00049	.00076	.00052	.0011	0	.00058
%RSD	70.916	12.372	10.976	35.4	.087	1.9399

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00678	.00598	.28305
SDev	.00077	.00014	.00018
%RSD	11.483	2.4878	.06409

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Method: ICAPNC Sample Name: T37275-1R Operator:
Run Time: 10/15/09 22:46 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00407	34.457	.10996	.55032	.71229	.00107
SDev	.00016	.0715	.00062	.00388	.00163	.00001
%RSD	4.0724	.2075	.57225	.70548	.23009	1.1478

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	438.48	.02000	.01856	.96442	1.0742	67.887
SDev	.86761	.00007	.00006	.00139	.00259	.11558
%RSD	.19787	.3969	.32567	.14422	.24201	.17025

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.513	15.220	1.2674	.03050	48.36	.14791
SDev	.13655	.01372	.00136	.00027	.0832	.0008
%RSD	.39564	.09017	.10785	.88948	.172	.54719

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.0658	1.1135	1.0979	.00604	.03599	.04337
SDev	.00202	.00694	.0052	.0012	.00157	.00162
%RSD	.18971	.62349	.47432	19.884	4.3777	3.7461

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02074	-.00359	.01077	.0528	1.006	.60369
SDev	.00174	.00241	.00071	.0018	.0019	.00115
%RSD	8.4203	67.134	6.6275	3.452	.1923	.19105

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00699	.06799	H10.065
SDev	.00176	.00034	.02055
%RSD	25.254	.50471	.20422

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Method: ICAPNC Sample Name: T37275-2R Operator:
Run Time: 10/15/09 22:52 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01143	175.51	.08895	.37767	1.6908	.00640
SDev	.00036	.57414	.00167	.0008	.00147	.00004
%RSD	3.2293	.32712	1.8797	.21188	.08723	.68427

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1469.0	.04438	.07407	.96444	6.4865	338.31
SDev	1.6894	.00008	.00028	.00184	.01311	.91557
%RSD	.115	.20069	.38455	.1911	.20222	.27062

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.363	48.912	8.8174	.11105	6.171	.56588
SDev	.13804	.12508	.01973	.00047	.1343	.00157
%RSD	.37961	.25572	.22381	.42996	2.176	.27918

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	5.9397	6.1742	6.0963	.00631	.03891	.06517
SDev	.00668	.02641	.01708	.00098	.00302	.00441
%RSD	.11255	.42779	.28018	15.63	7.7706	6.7791

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01363	-.02817	.02415	.1943	1.012	1.6838
SDev	.00224	.00344	.0021	.0029	.0005	.00304
%RSD	16.495	12.244	8.7226	1.509	.0476	.1806

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00493	.39765	9.4802
SDev	.00095	.00076	.01523
%RSD	19.413	.19211	.16074

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/15/09 23:00 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24752	39.792	2.0162	1.9532	2.0053	2.0210
SDev	.00036	.08986	.00186	.00493	.00523	.00228
%RSD	.14773	.22584	.09268	.25287	.26094	.11308

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.325	1.9913	1.9826	1.9858	1.9773	40.487
SDev	.06028	.00349	.00225	.00257	.00426	.06217
%RSD	.14949	.17576	.11368	.12974	.21553	.15356

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.836	40.046	1.9924	1.9909	39.16	1.9980
SDev	.12004	.04958	.00285	.01684	.1446	.00282
%RSD	.29396	.12382	.14337	.8461	.3692	.1416

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9691	1.9981	1.9887	2.0110	2.0022	2.0099
SDev	.00666	.00421	.00463	.0073	.06836	.08771
%RSD	.33824	.21095	.23326	.363	3.4143	4.3638

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9863	2.0221	2.0052	1.981	1.848	1.9817
SDev	.02988	.00772	.00735	.006	.0047	.00444
%RSD	1.5048	.38209	.36688	.3011	.2524	.22436

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9468	1.9745	2.0266
SDev	.05252	.00331	.00248
%RSD	2.698	.16785	.12257

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/15/09 23:12 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00050	-.00626	-.00032	-.00145	-.00004	.00002
SDev	.00008	.00088	.00115	.00002	.00002	.00002
%RSD	17.222	14.152	352.67	1.7104	50.529	118.16

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00309	-.00012	-.00033	-.00039	-.00008	-.02312
SDev	.00044	.00006	.00004	.00021	.00004	.00507
%RSD	14.493	52.809	13.179	53.633	59.503	21.956

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01948	-.00225	-.00003	-.00002	-.0565	-.00014
SDev	.01033	.00139	0	.00011	.0423	.00063
%RSD	53.057	61.874	6.2662	398.41	74.78	427.3

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00028	.00036	.00036	.00122	.00263	.00273
SDev	.00175	.00041	.0003	.00094	.00045	.00122
%RSD	611.09	112.97	83.202	77.344	17.249	44.672

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00189	.00018	.00145	.0018	-.0001	.00036
SDev	.00176	.00276	.00057	.0021	0	.00017
%RSD	92.887	1484.9	39.631	112	6.07	48.016

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00005	-.00028	-.00011
SDev	.00169	.00013	.00002
%RSD	2927.7	47.815	20.785

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Method: ICAPNC Sample Name: MP10465-MB1 Operator:
Run Time: 10/15/09 23:18 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00031	.01299	.00765	.07011	.06816	-.00001
SDev	.0004	.00684	.00069	.00069	.00008	.00001
%RSD	128.43	52.673	9.1328	.99317	.13132	79.967

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.59371	-.00013	-.00024	-.00001	.00239	-.01963
SDev	.00161	.0001	.00034	.00045	.00038	.00961
%RSD	.27218	79.635	142.37	3824.9	16.25	48.949

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.01738	.09078	.00051	.00019	3.403	-.00034
SDev	.00152	.00259	.00005	.00005	.0372	.00032
%RSD	8.7754	2.8586	10.703	28.792	1.095	95.797

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00457	-.00101	.00119	.01070	.00034	.00033
SDev	.00255	.00083	.00033	.00129	.00144	.00258
%RSD	55.914	82.057	28.069	12.126	412.69	763.93

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00021	.01038	.01055	.0132	.0012	.00001
SDev	.00102	.00335	.00239	.0033	0	.00017
%RSD	470.56	32.305	22.672	25.21	1.168	899.83

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.01735	-.00036	.01655
SDev	.00448	.0003	.00005
%RSD	25.819	83.037	.34455

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Method: ICAPNC Sample Name: MP10465-B1 Operator:
Run Time: 10/15/09 23:25 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.03968	40.860	1.6181	.07097	4.4546	.04115
SDev	.00043	.04527	.00164	.0008	.00244	.00004
%RSD	1.089	.11079	.10174	1.1408	.05479	.117

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.62698	.04023	.41152	.16191	.20937	-.01180
SDev	.00209	.00007	.00067	.00076	.00035	.00469
%RSD	.33402	.17778	.16504	.47438	.16918	39.803

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.05155	.09389	.41397	.32320	3.410	.39307
SDev	.01017	.00286	.0007	.00185	.0388	.0007
%RSD	19.742	3.0566	.17097	.5749	1.137	.17957

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.5726	1.5711	1.5718	1.6317	.39218	.39431
SDev	.00871	.00352	.00379	.01086	.00997	.01213
%RSD	.55438	.22444	.24133	.6659	2.5423	3.0774

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.38738	1.6382	1.6281	.0115	.0014	.00009
SDev	.00563	.0039	.01484	.0018	0	.0001
%RSD	1.4559	.23847	.91161	15.91	.7187	112.47

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.5269	.40426	.44009
SDev	.06421	.00082	.00048
%RSD	4.2058	.20336	.11126

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Method: ICAPNC Sample Name: T39408-1 Operator:
Run Time: 10/15/09 23:31 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00260	2.1917	.01919	.40583	.48677	.00017
SDev	.0002	.00895	.00176	.0016	.00071	.00003
%RSD	8.0513	.40864	9.2109	.39597	.14736	18.703

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	966.88	-.00123	.17976	.05004	-.00566	223.25
SDev	2.2249	.00022	.00091	.00027	.00018	.54218
%RSD	.23011	18.035	.50813	.5447	3.1809	.24286

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.2235	9.6538	3.1595	.03559	18.13	.94481
SDev	.02628	.00695	.00732	.00009	.1741	.00228
%RSD	.4223	.07203	.23178	.2776	.9605	.24236

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.10308	.07607	.01663	.01106	.01556	.03544
SDev	.00276	.00164	.00017	.00054	.00118	.00188
%RSD	2.6854	2.1643	1.079	4.965	7.5816	5.3291

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02442	-.00668	.02023	.0118	1.481	.00329
SDev	.00213	.00298	.00228	.0008	.0019	.00012
%RSD	8.7591	44.677	11.283	7.149	.1287	3.748

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00780	.00845	17.960
SDev	.01092	.00021	.04386
%RSD	140.02	2.4959	.24426

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Method: ICAPNC Sample Name: MP10465-D1 Operator:
Run Time: 10/15/09 23:38 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00254	2.3088	.01889	.42722	.51298	.00020
SDev	.00021	.00187	.0025	.00167	.00123	.00003
%RSD	8.4298	.08119	13.27	.39284	.24137	15.81

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1016.1	-.00107	.18862	.05259	-.00626	235.14
SDev	6.1093	.00016	.00122	.00016	.00019	.74952
%RSD	.60124	15.367	.6471	.3184	3.0901	.31875

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.6030	10.165	3.3273	.03627	19.18	.99026
SDev	.03348	.01727	.00834	.00129	.0278	.00278
%RSD	.50713	.16989	.25074	3.5711	.1449	.28157

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.10835	.07944	.01713	.01007	.01288	.03319
SDev	.00076	.00133	.00076	.00204	.00089	.00158
%RSD	.70452	1.6849	4.4434	20.3	6.9181	4.7635

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02794	-.00759	.01923	.0120	1.566	.00340
SDev	.00142	.00145	.00257	.0005	.0023	.00046
%RSD	5.0851	19.123	13.375	4.528	.15	13.63

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01443	.00862	H18.490
SDev	.00426	.00092	.05179
%RSD	29.537	10.774	.28014

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Method: ICAPNC Sample Name: MP10465-SD1 Operator:
Run Time: 10/15/09 23:44 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00059	2.5275	.02139	.45947	.55884	.00001
SDev	.00004	.02054	.00192	.00618	.0018	.00006
%RSD	8.2599	.813	9.0191	1.3454	.32244	567.72

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1095.0	-.00272	.21286	.05712	-.00876	258.04
SDev	.9071	.00039	.00112	.00171	.00096	.25398
%RSD	.08284	14.503	.52725	2.9963	11.053	.09842

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.7849	11.374	3.7479	.03875	20.49	1.1358
SDev	.01995	.01369	.00539	.00121	.1463	.00199
%RSD	.34501	.12037	.14385	3.1359	.7141	.17592

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.11132	.07632	.01517	.01659	.01833	.04356
SDev	.00364	.00451	.0035	.00455	.00239	.00139
%RSD	3.2755	5.9211	23.111	27.472	13.085	3.2129

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03448	-.00768	.02785	.0150	1.647	.00301
SDev	.00468	.00742	.00366	.0058	.0039	.00088
%RSD	13.595	96.653	13.167	38.94	.2376	29.27

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02229	.00675	H29.082
SDev	.00465	.00086	.02292
%RSD	20.881	12.794	.07884

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Method: ICAPNC Sample Name: MP10465-S1 Operator:
Run Time: 10/15/09 23:51 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.04837	50.225	1.9051	.49956	5.3805	.04628
SDev	.00038	.03761	.00033	.0019	.0069	.00008
%RSD	.80394	.07489	.01768	.38142	.12826	.18423

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1174.1	.04210	.67298	.24040	.24110	272.76
SDev	1.5559	.00025	.00053	.00013	.00022	.24508
%RSD	.13251	.60558	.07883	.058	.09504	.08985

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.7757	11.677	4.3022	.40979	20.71	1.5739
SDev	.01296	.02425	.00258	.00229	.0509	.00231
%RSD	.16677	.20772	.06	.56024	.2459	.14698

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.6294	1.8378	1.7688	1.8850	.48137	.50790
SDev	.00462	.00603	.00259	.01233	.01141	.01372
%RSD	.2836	.32842	.14652	.65415	2.3703	2.7031

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.42813	1.8823	1.8867	.0130	1.821	.00407
SDev	.00676	.00047	.01837	.0019	.0017	.00002
%RSD	1.5802	.02535	.97402	14.33	.0922	.64343

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.7028	.46957	H20.103
SDev	.06856	.00108	.04009
%RSD	4.0269	.23147	.19947

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Method: ICAPNC Sample Name: MP10465-S2 Operator:
Run Time: 10/15/09 23:57 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.04602	47.388	1.7964	.46561	5.0020	.04319
SDev	.00026	.31302	.00431	.00274	.00911	.00008
%RSD	.57145	.66055	.23999	.58993	.18225	.20737

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1093.1	.03949	.63147	.22478	.22599	253.73
SDev	3.1255	.00003	.0017	.0008	.00071	.65456
%RSD	.28593	.08336	.26934	.35902	.31691	.25797

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.2974	10.880	4.0134	.38578	18.30	1.4764
SDev	.0447	.02913	.00929	.0026	.2205	.003
%RSD	.61255	.26775	.23161	.67508	1.205	.20339

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.5419	1.7343	1.6705	1.7899	.45889	.48308
SDev	.00425	.00706	.00606	.00804	.01123	.01374
%RSD	.27607	.40725	.36314	.44965	2.4487	2.8462

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.41034	1.7925	1.7890	.0139	1.697	.00374
SDev	.00624	.00638	.01066	.0032	.003	.00015
%RSD	1.521	.35594	.59587	22.95	.1751	4.2614

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.6066	.44088	H19.246
SDev	.05995	.0011	.05848
%RSD	3.7319	.25155	.30385

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 00:05 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24829	40.041	2.0274	1.9646	2.0182	2.0309
SDev	.00053	.04776	.00443	.00122	.00095	.00232
%RSD	.21448	.11928	.21885	.06235	.04724	.11453

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.527	2.0035	1.9991	1.9993	1.9890	40.711
SDev	.05176	.00291	.00263	.00288	.00039	.04213
%RSD	.12773	.14555	.1316	.14433	.02002	.10349

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.881	40.209	2.0056	2.0002	39.36	2.0087
SDev	.03563	.0518	.00291	.01494	.0951	.00275
%RSD	.08716	.12882	.14544	.74693	.2417	.13732

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9871	2.0012	1.9968	2.0288	2.0150	2.0202
SDev	.00136	.0037	.00204	.00481	.06716	.08611
%RSD	.06876	.18497	.10239	.2371	3.3331	4.2625

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	2.0042	2.0471	2.0195	1.980	1.862	1.9919
SDev	.02949	.00091	.00737	.0054	.0009	.00122
%RSD	1.4719	.0446	.36529	.2714	.0503	.06158

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9554	1.9891	2.0183
SDev	.05212	.00235	.00138
%RSD	2.6655	.11821	.06873

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 00:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00019	-.00113	-.00089	-.00078	.00000	.00000
SDev	.00021	.00442	.00077	.00089	.00002	.00002
%RSD	108.76	389.81	86.761	113.93	544.14	456.66

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00257	-.00005	-.00003	-.00017	-.00003	-.01833
SDev	.00047	.00004	.00019	.00031	.00005	.0042
%RSD	18.614	87.211	574.36	184.39	142.96	22.906

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03061	.00220	.00000	.00031	-.0565	-.00009
SDev	.00594	.00148	.00005	.00019	.0112	.00015
%RSD	19.418	67.247	28299	61.539	19.75	160.97

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00193	-.00173	-.00031	.00072	.00378	.00317
SDev	.00074	.00089	.00043	.00145	.0014	.00171
%RSD	38.631	51.505	137.96	201.19	37.053	54.095

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00446	.00033	.00065	.0012	-.0001	.00024
SDev	.00228	.00199	.00119	.0015	0	.0001
%RSD	51.247	598.77	183.57	123.7	2.74	40.995

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00139	-.00030	.00001
SDev	.0022	.00022	.00004
%RSD	157.67	75.155	415.13

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Method: ICAPNC Sample Name: MP10425-MB1 Operator:
Run Time: 10/16/09 00:22 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00036	.02856	-.00370	-.01970	.04596	-.00014
SDev	.00075	.00647	.00061	.00058	.00008	.00006
%RSD	206	22.672	16.488	2.9656	.18779	41.979

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	871.59	.00077	.00075	.00125	.00524	-.07171
SDev	12.672	.00012	.00051	.00051	.00031	.00862
%RSD	1.4539	16.293	67.626	40.976	5.9859	12.021

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.58089	.43920	.03775	-.00010	5.191	.01487
SDev	.0127	.00686	.00012	.00017	.0819	.00076
%RSD	2.1877	1.5621	.33115	163.79	1.578	5.1535

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00439	.00605	.00280	.00695	.00259	.00416
SDev	.00269	.00233	.00078	.00102	.00165	.00328
%RSD	61.259	38.52	28.07	14.727	63.875	78.867

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00110	.00322	.00885	-.0010	.1273	.00282
SDev	.00158	.00374	.00135	.001	.0003	.00027
%RSD	144.39	116.18	15.282	108.4	.2584	9.8392

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00123	-.00012	.11258
SDev	.00217	.00041	.00028
%RSD	175.64	319.58	.2533

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Method: ICAPNC Sample Name: MP10425-B1 Operator:
Run Time: 10/16/09 00:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.12564	53.843	.42948	1.1138	.44329	.41621
SDev	.00347	.06039	.001	.0025	.00025	.00066
%RSD	2.7687	.11216	.23366	.22504	.05851	.16014

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	912.30	.40276	.40317	.40332	.45224	50.147
SDev	.41266	.00017	.00047	.00095	.00055	.09893
%RSD	.04523	.04386	.11767	.23682	.12303	.19728

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	60.335	52.799	.43079	.34189	57.89	.41779
SDev	.01953	.08877	.00024	.03884	.1393	.00053
%RSD	.03237	.16813	.05689	11.362	.2406	.12797

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.37713	.43912	.41873	.46329	.36612	.37033
SDev	.00273	.00188	.00174	.00393	.0221	.02605
%RSD	.72579	.42824	.4156	.84958	6.0372	7.035

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.35724	.46144	.46433	.2464	.4747	.42838
SDev	.01427	.00147	.00554	.0139	.0005	.00145
%RSD	3.9955	.32011	1.1932	5.652	.1034	.33922

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.35642	.39882	.51218
SDev	.04913	.01031	.00083
%RSD	13.787	2.5852	.16338

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Method: ICAPNC Sample Name: T39188-1A Operator:
Run Time: 10/16/09 00:35 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00088	.10823	.02232	.12282	4.7613	-.00040
SDev	.00083	.00652	.00147	.00091	.00633	.00004
%RSD	93.894	6.0292	6.6092	.74771	.13305	11.581

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	879.68	.01057	.06824	.00196	.57422	-.08654
SDev	5.9718	.00003	.00036	.00074	.00418	.00115
%RSD	.67886	.35315	.53752	37.86	.72925	1.3335

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	5.3990	1.8281	4.4187	.18853	H280.7	.76020
SDev	.01215	.00446	.01033	.04241	.6679	.00188
%RSD	.22512	.24403	.23396	22.498	.2379	.24751

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00565	.00761	.00341	.01517	.01218	.01252
SDev	.00489	.00172	.00048	.00096	.00226	.00272
%RSD	86.489	22.608	14.165	6.3869	18.551	21.752

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01090	.01192	.01681	.0030	3.367	.00269
SDev	.00141	.00174	.00102	.0011	.0034	.00011
%RSD	12.936	14.612	6.0977	34.74	.0996	4.2859

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.05728	.00006	.05427
SDev	.00262	.00013	.00444
%RSD	4.5841	212.7	8.1856

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Method: ICAPNC Sample Name: MP10425-D1 Operator:
Run Time: 10/16/09 00:41 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00055	.12929	.02115	.09718	4.5935	-.00041
SDev	.00048	.01128	.00117	.00091	.01069	.00003
%RSD	87.414	8.7304	5.532	.93816	.23275	8.3841

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	874.17	.01071	.06316	.00212	.60154	-.08872
SDev	1.1152	.00012	.00011	.00042	.01449	.01063
%RSD	.12756	1.206	.18924	19.871	2.4095	11.99

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.9008	1.6707	3.9057	.14684	H258.0	.70378
SDev	.01897	.0056	.00315	.03107	1.171	.00051
%RSD	.38727	.3357	.08074	21.161	.4538	.07362

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00513	.00504	.00188	.01600	.00693	.00685
SDev	.00267	.00094	.00076	.00092	.00071	.00074
%RSD	52.06	18.736	40.506	5.8078	10.348	10.831

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00651	.01130	.01838	.0020	2.998	.00239
SDev	.00073	.00151	.00138	.0002	.0054	.00017
%RSD	11.299	13.393	7.5138	9.306	.1799	7.4331

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.05277	-.00002	.07307
SDev	.00197	.00028	.00078
%RSD	3.74	1155.3	1.0798

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Method: ICAPNC Sample Name: MP10425-SD1 Operator:
Run Time: 10/16/09 00:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00184	.28728	.01947	.11314	4.7706	-.00085
SDev	.00116	.00353	.0075	.00235	.00329	.00012
%RSD	63.297	1.2313	38.565	2.0832	.06902	14.299

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	832.44	.01101	.06741	.00186	.59674	-.07825
SDev	1.5306	.00028	.00165	.00076	.00159	.02025
%RSD	.18386	2.6044	2.4536	40.967	.26794	25.884

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	3.6822	1.7520	4.4321	.22521	H259.1	.76615
SDev	.02491	.0165	.00658	.00366	.7596	.00242
%RSD	.67657	.94189	.14858	1.6291	.2931	.31606

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00270	.00616	.00436	.01981	.02220	.02123
SDev	.00466	.00825	.0069	.00492	.00595	.00758
%RSD	172.43	133.88	158.12	24.832	26.81	35.736

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02137	.00722	.02503	.0101	3.064	.00301
SDev	.00267	.01439	.0068	.0028	.001	.00088
%RSD	12.535	199.29	27.159	27.37	.0333	29.35

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.05108	-.00004	.07149
SDev	.00618	.00086	.00019
%RSD	12.101	2076.1	.26611

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Method: ICAPNC Sample Name: MP10425-S1 Operator:
Run Time: 10/16/09 00:54 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00539	8.9364	.07141	1.1919	2.9616	.21380
SDev	.00057	.04268	.00187	.00475	.0142	.00076
%RSD	10.666	.47767	2.6323	.39888	.47968	.35599

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H157.5	.43163	1.1990	.07802	3.6861	341.08
SDev	10.471	.00088	.00353	.00036	.03109	.9699
%RSD	.9046	.2059	.29516	.47391	.84361	.28436

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	71.662	63.937	35.625	.03177	H370.0	6.4160
SDev	.64622	.05154	.16918	.00021	2.987	.01359
%RSD	.90177	.08062	.4749	.67674	.8074	.21184

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.15328	.12972	.03572	.00371	L-.01268	.00487
SDev	.00183	.0023	.00092	.00201	.00154	.00272
%RSD	1.194	1.776	2.5925	54.208	12.192	55.785

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04782	-.01806	.01508	-.0041	H11.98	.00369
SDev	.00086	.00187	.00277	.0015	.0104	.00035
%RSD	1.8015	10.389	18.402	36.96	.0867	9.7117

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.46474	.00055	4.7567
SDev	.00166	.00046	.00585
%RSD	.35846	83.555	.12299

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Method: ICAPNC Sample Name: MP10425-S2 Operator:
Run Time: 10/16/09 01:01 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00617	1.5400	.07255	1.2936	2.4455	.10510
SDev	.00043	.00912	.00226	.00348	.00665	.0003
%RSD	7.0645	.59242	3.1194	.26956	.27232	.29289

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1191.2	.42734	1.2839	.00885	1.2121	382.22
SDev	8.4444	.0009	.00391	.00021	.00763	1.2087
%RSD	.70891	.21224	.30499	2.4303	.62961	.31623

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	75.128	67.717	38.726	.03395	H376.0	6.8589
SDev	.57065	.05827	.20093	.00019	1.642	.01667
%RSD	.75957	.08604	.51886	.5808	.4367	.24312

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.19484	.12038	.01575	.00435	L-.01237	.00913
SDev	.0033	.00113	.0006	.00058	.00069	.0007
%RSD	1.6969	.94628	3.8487	13.538	5.5783	7.6726

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05536	-.01874	.01641	-.0051	H13.01	.00322
SDev	.00073	.00042	.00106	.002	.0019	.0001
%RSD	1.3283	2.2764	6.4951	39.18	.0149	3.2742

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.47008	.00031	4.1799
SDev	.00103	.00003	.00553
%RSD	.21962	11.925	.13235

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Method: ICAPNC Sample Name: T38357-1A Operator:
Run Time: 10/16/09 01:07 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00131	.05545	.00218	.19295	1.4505	-.00045
SDev	.00042	.00648	.00094	.00142	.00468	.00006
%RSD	32.072	11.691	43.295	.73744	.32266	13.708

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	758.87	.00064	.00154	.00097	.04124	-.06951
SDev	7.847	.00012	.00013	.00043	.00198	.00495
%RSD	1.034	19.481	9.0636	45.09	4.8186	7.1333

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	12.502	76.459	.58349	.06284	38.02	.01701
SDev	.07764	.26605	.00263	.01832	.3629	.0004
%RSD	.6211	.34797	.45144	29.161	.9543	2.3784

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00452	.00472	.00198	.01359	.00222	.00364
SDev	.00116	.00013	.00032	.00105	.00108	.00217
%RSD	25.686	2.9236	16.534	7.7645	48.736	59.599

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00116	.01191	.01445	.0044	4.684	.00225
SDev	.00129	.00353	.00022	.0011	.0057	.00019
%RSD	111.1	29.673	1.5455	25.86	.1227	8.5914

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00295	.00109	.08664
SDev	.00143	.00024	.00759
%RSD	48.5	22.205	8.7706

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 01:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24715	40.014	2.0103	1.9583	2.0137	2.0069
SDev	.00009	.12011	.0039	.00265	.00336	.00262
%RSD	.03715	.30017	.1942	.13557	.1673	.13061

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.018	1.9829	1.9758	1.9757	1.9889	40.232
SDev	.11688	.00357	.00248	.00423	.00144	.07218
%RSD	.29207	.18013	.12598	.21451	.07253	.17942

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.894	39.883	1.9746	1.9716	39.49	1.9841
SDev	.07262	.07904	.00351	.01897	.2682	.00265
%RSD	.17758	.19819	.17808	.96232	.6792	.13367

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9665	1.9823	1.9773	2.0160	1.9928	1.9925
SDev	.00428	.00109	.00187	.00158	.06693	.08379
%RSD	.21792	.05514	.0946	.07877	3.3587	4.2056

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9929	2.0348	2.0065	1.943	1.843	1.9808
SDev	.03323	.00291	.00275	.0086	.002	.00568
%RSD	1.6678	.14332	.13724	.4441	.1097	.28711

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8680	1.9720	2.0006
SDev	.1046	.00284	.00143
%RSD	5.5997	.14427	.07165

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 01:25 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00051	.00621	-.00035	-.00087	.00002	-.00010
SDev	.00022	.0014	.00039	.00033	.00001	.00001
%RSD	43.066	22.599	111.73	38.439	50.407	14.593

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00337	-.00002	.00003	-.00031	.00009	-.01660
SDev	.0006	.00003	.00049	.00034	.00005	.00354
%RSD	17.88	188.65	1520.4	110.66	57.85	21.365

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05942	.00004	-.00005	.00055	-.1006	-.00059
SDev	.00183	.0018	.00001	.00071	.05	.00009
%RSD	3.0841	3893.3	27.415	128.62	49.72	16.733

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00088	-.00067	.00004	.00119	.00339	.00299
SDev	.0018	.00098	.00073	.0013	.00222	.0031
%RSD	204	145.33	1620.8	109.67	65.455	103.7

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00367	-.00132	.00218	.0010	-.0001	.00036
SDev	.00056	.0017	.00129	.0012	0	.00017
%RSD	15.365	128.65	59.55	116.7	5.324	47.317

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00514	-.00006	-.00006
SDev	.00084	.00013	.00006
%RSD	16.451	205.72	102.77

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Method: ICAPNC Sample Name: MP10426-MB1 Operator:
Run Time: 10/16/09 01:32 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00054	H.20112	-.00048	.00297	.00109	.00000
SDev	.00048	.01184	.00054	.00087	.00007	.00007
%RSD	88.055	5.8891	111.9	29.245	7.2899	1185.7

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.22417	-.00033	-.00105	.00110	.00249	.00698
SDev	.00185	.0001	.00054	.00042	.00013	.00713
%RSD	.82795	31.387	52.004	38.15	5.4756	102.14

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.00371	.01392	.00103	.00246	.9806	-.00145
SDev	.00716	.0074	.00006	.00074	.085	.00039
%RSD	193.08	53.153	6.2477	30.214	8.673	27.192

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01643	-.00216	H.00431	.00249	.00449	.00498
SDev	.00393	.00184	.00039	.0009	.00138	.00231
%RSD	23.937	85.142	9.2408	36.25	30.823	46.547

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00296	-.01824	.01254	.0035	.0003	.00268
SDev	.00071	.00211	.00186	.001	0	.00016
%RSD	24.127	11.575	14.843	29.86	8.089	5.9932

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01264	-.00009	.00023
SDev	.00218	.00055	.00007
%RSD	17.282	571.26	31.923

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Method: ICAPNC Sample Name: MP10426-B1 Operator:
Run Time: 10/16/09 01:38 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	L.12665	47.879	.36596	.88147	.39666	.38172
SDev	.0007	.13212	.00074	.00217	.00111	.001
%RSD	.55598	.27594	.20447	.24638	.27999	.26341

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	48.893	.37763	.37232	.38443	.39418	47.687
SDev	.24967	.00092	.00153	.00133	.00169	.18362
%RSD	.51065	.24613	.41268	.34688	.42881	.38506

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.160	45.321	.40079	.39207	45.43	.37696
SDev	.28689	.06927	.00088	.00319	.1553	.00188
%RSD	.59571	.15284	.22098	.81585	.3417	.49885

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34869	.38026	.37002	.33901	.36304	.36559
SDev	.00319	.00559	.00279	.00201	.01564	.0212
%RSD	.91696	1.4708	.75428	.59403	4.3081	5.8003

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.35748	.31963	.34846	.3641	.3304	.41191
SDev	.00453	.00296	.00331	.0054	.0006	.0014
%RSD	1.269	.92618	.95168	1.472	.1759	.34029

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.34714	.38863	.38211
SDev	.00102	.00107	.00064
%RSD	.29594	.27676	.16854

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Method: ICAPNC Sample Name: T38357-1B Operator:
Run Time: 10/16/09 01:45 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00283	155.85	.06206	.24573	5.7893	.00744
SDev	.00044	.11674	.00135	.0019	.015	.00015
%RSD	15.73	.07491	2.187	.77642	.25919	2.1183

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	236.98	.00037	.05653	.22090	.68719	199.15
SDev	2.9457	.00019	.00095	.00139	.00152	1.7842
%RSD	1.243	51.34	1.697	.6322	.22159	.8959

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	32.286	56.274	3.2991	.06817	3.563	.15198
SDev	.16966	.48567	.02403	.00092	.0598	.00059
%RSD	.52551	.86305	.72846	1.3539	1.679	.39437

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.05151	.24753	.18252	.00214	.00391	.01772
SDev	.00515	.00436	.00127	.00111	.00109	.00161
%RSD	10.005	1.7619	.70034	51.669	28.106	9.1203

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02387	-.03511	.02078	.0034	1.344	2.1987
SDev	.00206	.00238	.00234	.0025	.001	.00992
%RSD	8.6645	6.7946	11.263	74.63	.0707	.45145

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.01311	.34853	.62186
SDev	.00378	.00295	.00409
%RSD	28.82	.849	.65881

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Method: ICAPNC Sample Name: MP10426-D1 Operator:
Run Time: 10/16/09 01:51 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00308	156.33	.05940	.23864	5.9052	.00757
SDev	.00051	.82049	.00139	.00183	.03171	.00012
%RSD	16.572	.52483	2.3551	.76943	.53703	1.663

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	244.75	.00053	.06108	.21647	.66216	199.23
SDev	2.5846	.00031	.001	.00097	.00482	1.2163
%RSD	1.056	58.328	1.6479	.45148	.7293	.6105

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	32.178	57.030	3.3314	.06496	3.820	.15049
SDev	.37486	.26503	.01488	.0009	.1034	.00047
%RSD	1.1649	.46473	.44685	1.3979	2.706	.31553

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04126	.23308	.16951	.00068	.00105	.01261
SDev	.00286	.00334	.00139	.00101	.0016	.00393
%RSD	6.9376	1.437	.82413	149.42	152.09	31.171

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02221	-.03517	.01861	.0024	1.356	2.0446
SDev	.00319	.00416	.00146	.0028	.003	.00467
%RSD	14.36	11.84	7.8677	120.6	.2239	.22847

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01111	.34580	.64459
SDev	.00122	.00192	.00208
%RSD	11.011	.55716	.32316

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Method: ICAPNC Sample Name: MP10426-SD1 Operator:
Run Time: 10/16/09 01:58 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00157	174.11	.06787	.28267	6.4325	.00868
SDev	.00092	.27932	.00208	.00522	.02056	.00029
%RSD	58.539	.16042	3.0759	1.848	.31966	3.4479

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	255.08	.00009	.06408	.24476	.72835	217.87
SDev	.25464	.00032	.00148	.00232	.00214	.4495
%RSD	.09982	341.39	2.311	.94843	.29463	.20632

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	33.288	63.751	3.6793	.07514	3.682	.17033
SDev	.1234	.10118	.0066	.00137	.2103	.00362
%RSD	.3707	.15872	.17952	1.8279	5.713	2.1308

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.06644	.28342	.21247	.01055	.00899	.02605
SDev	.00633	.00416	.00085	.00798	.00273	.00272
%RSD	9.5338	1.4707	.40007	75.627	30.43	10.463

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02735	-.04077	.03511	-.0017	1.415	2.4200
SDev	.00353	.01997	.00762	.0009	.0046	.00703
%RSD	12.906	48.971	21.722	50.94	.323	.29056

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.02225	.38300	.72214
SDev	.00524	.00022	.00058
%RSD	23.557	.05917	.08116

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Method: ICAPNC Sample Name: MP10426-S1 Operator:
Run Time: 10/16/09 02:04 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11753	201.42	.37396	1.0200	6.1745	.33373
SDev	.00106	1.2715	.00298	.00658	.03406	.00145
%RSD	.90904	.63127	.79729	.64601	.55176	.43503

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	282.48	.31784	.37510	.54072	1.0598	237.48
SDev	2.4054	.00101	.002	.00193	.00813	1.0315
%RSD	.85153	.32014	.53542	.35773	.7677	.43433

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	72.782	97.010	3.7074	.38786	44.64	.46546
SDev	.82002	.34593	.01373	.00354	.4634	.00169
%RSD	1.1267	.35659	.37049	.91334	1.038	.36331

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.33466	.56236	.48675	.29050	.07858	.09262
SDev	.00498	.00734	.00576	.00268	.00295	.00465
%RSD	1.4892	1.3063	1.1839	.92414	3.7581	5.0295

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.05042	.26273	.30447	.1028	1.676	2.6254
SDev	.00305	.0027	.0047	.004	.0054	.00553
%RSD	6.0616	1.0292	1.5461	3.904	.3194	.21087

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.29690	.67736	.94393
SDev	.00748	.00244	.00254
%RSD	2.5195	.36094	.26959

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Method: ICAPNC Sample Name: MP10426-S2 Operator:
Run Time: 10/16/09 02:11 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11743	191.72	.37436	1.0301	6.8112	.33444
SDev	.00072	.38815	.00242	.0064	.02433	.00149
%RSD	.61589	.20245	.64659	.62153	.35735	.44754

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	273.23	.31972	.37650	.54952	1.1218	241.05
SDev	2.6076	.00072	.00225	.00217	.00486	1.2431
%RSD	.95435	.22547	.598	.39647	.43385	.51569

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	70.697	96.048	3.6157	.39288	44.76	.47747
SDev	.37329	.43569	.0162	.00261	.1485	.00062
%RSD	.52801	.45362	.44815	.66454	.3318	.13105

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.33395	.56959	.49135	.28979	.09047	.10622
SDev	.00279	.01061	.00611	.00104	.00541	.00835
%RSD	.83816	1.8642	1.2454	.36207	5.9883	7.8646

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.05890	.25758	.30597	.0993	1.694	2.3625
SDev	.00064	.00666	.0018	.0019	.0026	.00549
%RSD	1.0945	2.5882	.5905	1.948	.1537	.23273

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.29736	.65745	.99097
SDev	.00603	.00232	.00344
%RSD	2.0278	.35387	.34757

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Method: ICAPNC Sample Name: T39188-1B Operator:
Run Time: 10/16/09 02:17 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01982	7.2057	.18423	.06062	9.2757	.00063
SDev	.00057	.02853	.00165	.00366	.04054	.00004
%RSD	2.8775	.39603	.89909	6.0415	.43707	7.7148

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	26.711	.00046	.11525	.87085	5.3555	353.10
SDev	.12528	.00035	.00078	.00159	.01905	.92722
%RSD	.46904	75.355	.68538	.1827	.35574	.2626

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.2101	2.3789	8.7731	.34554	10.78	.97739
SDev	.01458	.00641	.01317	.0022	.0729	.0014
%RSD	.65977	.2698	.15022	.63704	.6761	.14387

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01161	.24824	.16194	.00737	.02714	.04570
SDev	.00261	.00376	.00165	.00143	.00187	.00347
%RSD	22.542	1.5161	1.0216	19.477	6.9066	7.6071

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00997	-.04452	.03335	.2360	1.021	.27058
SDev	.00212	.00175	.00257	.0028	.0026	.00175
%RSD	21.263	3.9305	7.7141	1.17	.2552	.64939

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00222	.08442	.42366
SDev	.00091	.00012	.00056
%RSD	41.144	.14848	.13347

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 02:25 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24634	39.972	2.0101	1.9576	2.0208	2.0043
SDev	.00011	.15743	.00624	.00244	.00113	.00196
%RSD	.04762	.39386	.31055	.12508	.05631	.09822

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.099	1.9834	1.9695	1.9703	1.9923	40.148
SDev	.04345	.00123	.00132	.00091	.00374	.03858
%RSD	.10837	.06249	.06725	.04648	.18797	.09611

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.970	39.716	1.9777	1.9722	39.29	1.9865
SDev	.1507	.04239	.00158	.01806	.2777	.00122
%RSD	.36784	.10675	.08008	.91598	.7067	.06165

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9641	1.9898	1.9815	2.0171	1.9848	1.9805
SDev	.00118	.00492	.00291	.00306	.0684	.08928
%RSD	.06019	.24729	.14688	.15187	3.4467	4.5082

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9928	2.0354	2.0078	1.926	1.859	1.9807
SDev	.02664	.00294	.00313	.0106	.0024	.00209
%RSD	1.3369	.1446	.15598	.5516	.1307	.10598

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8289	1.9710	2.0032
SDev	.12174	.00247	.00203
%RSD	6.6567	.12546	.10155

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 02:35 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00034	-.00581	.00050	-.00047	.00002	.00000
SDev	.00008	.0034	.001	.00008	.00002	.00002
%RSD	25.737	58.464	197.04	17.441	88.37	369.47

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00268	-.00010	-.00015	-.00018	.00003	-.01517
SDev	.00102	.00009	.0001	.0001	.00016	.00568
%RSD	38.355	87.118	64.959	56.47	487	37.446

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04931	.00182	-.00003	.00057	-.0165	-.00015
SDev	.0079	.00172	.00001	.00015	.0487	.00029
%RSD	16.036	94.315	48.791	26.631	295.2	187.93

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00163	-.00082	.00020	.00138	.00397	.00359
SDev	.00148	.00088	.00087	.00098	.00152	.00148
%RSD	90.649	107.15	429.02	71.139	38.424	41.208

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00420	.00227	.00067	.0011	-.0001	.00042
SDev	.00206	.00241	.00081	.001	0	.00009
%RSD	49.144	106.2	121.21	96.47	4.92	23.314

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	H.01033	-.00004	-.00001
SDev	.00122	.00025	.00004
%RSD	11.887	587.81	241.03

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Method: ICAPNC Sample Name: T39187-2 Operator:
Run Time: 10/16/09 02:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00237	.07086	.03009	.92756	.03140	-.00037
SDev	.00097	.00371	.00428	.00321	.00025	.00013
%RSD	41.201	5.2411	14.22	.34665	.8181	36.866

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	505.93	.00008	.00271	-.00017	.00354	5.5490
SDev	.31076	.0005	.00053	.00017	.00112	.02192
%RSD	.06142	576.08	19.555	98.68	31.727	.39519

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.485	446.11	.73804	.02690	H522.0	.00691
SDev	.14558	.41831	.00058	.00168	3.074	.00086
%RSD	.42215	.09377	.07956	6.2583	.5889	12.56

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00378	.00883	.00577	.01167	.01332	.01544
SDev	.00574	.00506	.00175	.00339	.00603	.00753
%RSD	151.92	57.295	30.406	29.083	45.252	48.809

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00669	-.00980	.02123	.0030	H9.008	.00431
SDev	.00324	.00946	.00783	.012	.0118	.0005
%RSD	48.387	96.521	36.922	401.5	.131	11.656

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.02403	-.00132	.00134
SDev	.01488	.00001	.00039
%RSD	61.926	.97568	29.332

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Method: ICAPNC Sample Name: T39187-3 Operator:
Run Time: 10/16/09 02:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00147	.01363	.01949	1.1528	.04335	.00004
SDev	.00056	.01532	.00648	.00134	.00014	.00002
%RSD	38.28	112.36	33.248	.11706	.33469	61.023

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	197.33	.00081	.00066	.00103	.00605	.07897
SDev	.07017	.00031	.0005	.00079	.00086	.03
%RSD	.03556	38.487	75.352	77.375	14.298	37.998

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	37.245	68.246	.17252	.00517	H915.7	.00227
SDev	.0629	.06896	.0001	.00014	.525	.00141
%RSD	.16888	.10105	.06334	2.8778	.0573	62.341

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01227	.00712	.00179	.00754	.00820	.01259
SDev	.00456	.00061	.00192	.00368	.00282	.00329
%RSD	37.198	8.6501	107.01	48.841	34.371	26.139

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00324	-.00717	.01363	.0010	3.431	.00360
SDev	.00698	.006	.00275	.0067	.004	.00087
%RSD	215.32	83.751	20.232	657.8	.1152	24.337

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01391	.00173	.01437
SDev	.00095	.00018	.00034
%RSD	6.8803	10.678	2.3948

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Method: ICAPNC Sample Name: T39187-4 Operator:
Run Time: 10/16/09 02:55 Filename: R101509
Mode: CONC Type: S Corr. Factor: 25.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00867	.13072	.05800	3.3365	.03041	-.00149
SDev	.00859	.00842	.00897	.01839	.0014	.00106
%RSD	99.094	6.4437	15.464	.55139	4.624	70.871

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	452.72	-.00188	.00695	-.00630	.00583	13.834
SDev	.48606	.00198	.01056	.00149	.00515	.14654
%RSD	.10736	105.52	152.01	23.705	88.338	1.0593

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.554	78.867	.31786	-.00550	H3073.	.01199
SDev	.07795	.10177	.00067	.01184	8.712	.00656
%RSD	.2256	.12904	.21151	215.05	.2835	54.751

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00057	-.00404	.00254	.04907	L-.00894	-.01258
SDev	.04093	.02037	.01034	.03459	.00588	.0077
%RSD	7092.2	503.83	406.41	70.488	65.731	61.206

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01508	-.02419	.07885	.0014	H7.494	.01179
SDev	.02049	.05323	.04831	.0372	.0068	.00251
%RSD	135.89	220.02	61.271	2644	.0905	21.328

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.07164	.00522	.05065
SDev	.03403	.00514	.00246
%RSD	47.512	98.474	4.8622

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Method: ICAPNC Sample Name: T39097-2 Operator:
Run Time: 10/16/09 03:01 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00609	101.80	.06697	-.02574	8.0950	.00784
SDev	.00087	.22024	.01177	.00285	.02596	.00025
%RSD	14.345	.21635	17.581	11.099	.32074	3.2501

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2383.3	.02057	.04377	4.6173	.70933	267.08
SDev	6.2073	.00054	.00296	.01199	.00171	.46458
%RSD	.26045	2.6277	6.7665	.25972	.24145	.17394

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	11.727	78.829	H78.354	.11114	5.093	.36474
SDev	.02208	.16409	.20022	.00153	.1112	.00097
%RSD	.18833	.20816	.25554	1.3831	2.183	.26831

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.98920	1.2228	1.1466	.02736	.04051	.06376
SDev	.00141	.01162	.00744	.00183	.00778	.00494
%RSD	.14277	.95105	.6494	6.6928	19.211	7.7551

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00839	-.01384	.04765	.3148	1.899	3.0847
SDev	.01515	.00775	.00269	.0042	.0048	.00437
%RSD	180.64	56.003	5.6532	1.332	.2513	.14167

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00661	1.4693	3.9262
SDev	.00466	.00128	.00232
%RSD	70.55	.08735	.05913

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Method: ICAPNC Sample Name: T39097-3 Operator:
Run Time: 10/16/09 03:08 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00253	75.096	.10141	-.00934	4.4359	.00825
SDev	.00097	.13044	.00977	.00062	.0046	.00004
%RSD	38.506	.1737	9.6401	6.6594	.10386	.59702

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2761.6	.00986	.06972	1.1234	1.1300	235.18
SDev	7.2823	.00027	.00128	.00322	.00307	.43287
%RSD	.26369	2.8286	1.8411	.28699	.27241	.18405

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	10.397	52.204	14.507	.20650	4.235	.57933
SDev	.02534	.13393	.02785	.00265	.0909	.00286
%RSD	.24375	.25655	.19203	1.2841	2.145	.49388

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.90572	1.1161	1.0473	.02710	.03914	.05650
SDev	.00947	.01038	.00394	.00737	.00647	.01107
%RSD	1.0465	.93043	.37669	27.201	16.533	19.609

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00195	-.02503	.05307	.1715	1.963	1.7867
SDev	.00733	.01328	.01184	.0049	.0021	.00289
%RSD	375.7	53.081	22.311	2.865	.1073	.16188

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00520	.58281	5.4452
SDev	.01259	.00242	.01524
%RSD	241.86	.41667	.27993

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Method: ICAPNC Sample Name: T39097-4 Operator:
Run Time: 10/16/09 03:14 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00115	43.218	.03358	L-.15206	2.2273	.00347
SDev	.00066	.10099	.0069	.00199	.0014	.0001
%RSD	57.998	.23369	20.57	1.3112	.06323	2.8911

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H4575.5	.00362	.02455	.90132	.60669	130.11
SDev	5.6627	.00056	.00059	.00229	.00114	.0438
%RSD	.12376	15.492	2.4127	.25433	.18802	.03366

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	7.9733	32.816	12.445	.09767	1.192	.22200
SDev	.02442	.03545	.00713	.00108	.1429	.00178
%RSD	.30635	.10802	.0573	1.1156	11.98	.80303

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.27956	.42876	.38012	.03019	.02858	.04345
SDev	.00331	.00256	.00094	.00633	.00423	.00764
%RSD	1.1841	.59849	.24798	20.993	14.826	17.585

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00374	-.02527	.05840	.0841	1.507	.94799
SDev	.00514	.00634	.01046	.009	.001	.00119
%RSD	137.39	25.113	17.91	10.71	.0648	.12585

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00446	.41611	2.6629
SDev	.00878	.00183	.00283
%RSD	196.89	.44036	.10646

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Method: ICAPNC Sample Name: T39097-5 Operator:
Run Time: 10/16/09 03:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00059	95.762	.08111	-.06002	4.9792	.00596
SDev	.00079	.12704	.0056	.00205	.00683	.00016
%RSD	132.97	.13266	6.9123	3.4247	.13732	2.7574

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H2894.8	.00682	.04065	.81912	.74727	153.01
SDev	7.07	.00044	.00045	.00231	.00131	.19687
%RSD	.24422	6.4446	1.1223	.28301	.17532	.12866

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	13.106	60.950	6.3975	.10806	3.296	.22040
SDev	.04204	.09379	.01205	.00105	.5327	.00232
%RSD	.32079	.15389	.18843	.97341	16.16	1.0571

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.82945	.99325	.94007	.01846	.05282	.06492
SDev	.00653	.01084	.00559	.00895	.00485	.00801
%RSD	.78798	1.0921	.59553	48.469	9.1952	12.339

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.02615	-.02717	.04105	.4746	1.836	1.0704
SDev	.00372	.01032	.00847	.0076	.0023	.0014
%RSD	14.251	37.983	20.653	1.611	.1266	.13136

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01286	.38709	3.1710
SDev	.00874	.00083	.00442
%RSD	68.011	.21681	.13948

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Method: ICAPNC Sample Name: T39097-6 Operator:
Run Time: 10/16/09 03:27 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00185	233.26	.11238	-.02573	3.9599	.00965
SDev	.00062	.72753	.00511	.00232	.00267	.0001
%RSD	33.375	.3119	4.5496	9.0532	.06756	1.1198

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H3219.4	.00474	.08023	.53756	1.0521	217.42
SDev	3.4928	.00042	.00059	.00125	.00224	.37033
%RSD	.10849	8.9574	.74383	.2338	.21306	.17032

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	27.238	51.652	5.7921	.16585	1.748	.19536
SDev	.07926	.08368	.00675	.0021	.2134	.00161
%RSD	.29099	.16202	.11667	1.2709	12.21	.82477

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.57565	.84449	.75611	.03301	.04945	.06975
SDev	.00587	.00434	.00117	.00943	.00162	.00318
%RSD	1.0211	.51498	.1549	28.577	3.292	4.5648

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00644	-.02030	.05972	.3272	1.258	1.0707
SDev	.00305	.01455	.01168	.0006	.0008	.00461
%RSD	47.448	71.684	19.559	.1861	.0597	.43126

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01058	.46989	4.8244
SDev	.01233	.00238	.00725
%RSD	116.46	.50744	.15042

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Method: ICAPNC Sample Name: T39097-7 Operator:
Run Time: 10/16/09 03:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01009	435.40	.40403	.08956	6.0388	.02796
SDev	.00111	.81749	.00477	.0024	.02006	.00023
%RSD	11.022	.18775	1.1817	2.6813	.33222	.84284

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H1242.8	.00690	.21962	.71212	3.4977	455.13
SDev	5.3355	.00028	.00295	.00063	.00964	1.025
%RSD	.42931	4.1639	1.3435	.08866	.27571	.22521

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.674	52.804	7.1506	.61714	5.779	.26606
SDev	.16267	.20255	.01114	.00198	.0916	.00183
%RSD	.39034	.38359	.15581	.32157	1.585	.68948

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8871	2.3610	2.2044	.01522	.07503	.10690
SDev	.02047	.02062	.00675	.0052	.00887	.01637
%RSD	1.0849	.87377	.30662	34.169	11.828	15.313

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00934	-.03345	.03903	.2879	1.654	1.5536
SDev	.01108	.02361	.00493	.004	.0043	.0013
%RSD	118.56	70.576	12.649	1.389	.2627	.08421

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01149	.73574	H17.160
SDev	.0081	.00219	.04361
%RSD	70.474	.29831	.25416

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Method: ICAPNC Sample Name: T39097-8 Operator:
Run Time: 10/16/09 03:40 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00308	119.41	.24541	-.02536	2.9575	.00629
SDev	.00108	.2021	.0047	.00333	.00189	.00005
%RSD	35.051	.16926	1.9158	13.136	.06419	.80295

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	H4595.7	.00830	.13165	.47852	2.7219	217.94
SDev	8.331	.00032	.00033	.00239	.00399	.2415
%RSD	.18127	3.9311	.25429	.50149	.14662	.1108

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	18.212	42.078	10.971	.48932	3.548	.17355
SDev	.05272	.03772	.00939	.00327	.2376	.00091
%RSD	.28949	.08964	.08562	.6687	6.695	.52823

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.2179	1.4429	1.3693	.04659	.07309	.09860
SDev	.00633	.01139	.00681	.00361	.0072	.01138
%RSD	.51976	.78975	.49794	7.7632	9.8607	11.546

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.01961	-.01689	.07889	.1035	1.617	2.1548
SDev	.00494	.00859	.00116	.0031	.0008	.00437
%RSD	25.198	50.888	1.4772	3.034	.0472	.20321

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01365	.39693	H11.976
SDev	.00671	.00144	.01755
%RSD	49.213	.36368	.14658

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 03:48 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24615	39.724	2.0133	1.9508	2.0120	2.0118
SDev	.00068	.0828	.00378	.00108	.00586	.00408
%RSD	.27847	.20844	.18813	.05544	.29145	.20323

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.164	1.9931	1.9703	1.9752	1.9775	40.262
SDev	.13545	.0029	.00478	.00507	.00136	.08695
%RSD	.33725	.14568	.2426	.25672	.06897	.21596

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.577	39.657	1.9800	1.9703	38.97	1.9883
SDev	.09888	.09469	.00312	.01487	.1291	.00093
%RSD	.24369	.23878	.15768	.75476	.3313	.04684

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9602	1.9949	1.9836	2.0158	1.9756	1.9736
SDev	.00442	.0077	.00653	.00039	.06743	.08956
%RSD	.22591	.38647	.32926	.01954	3.4135	4.5383

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9792	2.0197	2.0137	1.927	1.853	1.9888
SDev	.0233	.00456	.00274	.0098	.0042	.00151
%RSD	1.1777	.22578	.13625	.5068	.2257	.07611

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9315	1.9696	2.0088
SDev	.05884	.00194	.00185
%RSD	3.0465	.0987	.09223

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 03:58 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00040	.00096	-.00036	-.00084	.00002	.00001
SDev	.00015	.0019	.00081	.00043	.00003	.00001
%RSD	38.199	196.9	223.52	50.819	144.73	133

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00218	-.00010	-.00012	-.00021	-.00004	-.01869
SDev	.00053	.00007	.0002	.00012	.00005	.00224
%RSD	24.684	72.893	163.56	56.599	119.92	11.984

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04542	.00209	.00002	.00035	.0025	.00002
SDev	.00505	.00099	.00001	.00019	.0264	.00021
%RSD	11.13	47.369	65.261	54.016	1064	859.08

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00141	-.00161	-.00038	.00015	.00350	.00306
SDev	.00095	.00057	.00048	.00114	.0021	.00232
%RSD	67.708	35.612	127.19	758.2	60.118	75.68

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00384	-.00193	.00092	.0010	-.0001	.00048
SDev	.00169	.00117	.00116	.0006	0	.00009
%RSD	43.934	60.455	125.31	59.15	9.928	20.52

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00086	-.00017	-.00014
SDev	.0024	.00009	.0001
%RSD	279.93	56.383	68.696

Zoom In Zoom Out

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Method: ICAPNC Sample Name: T39395-2 Operator:
Run Time: 10/16/09 04:05 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.01358	340.25	.20496	.01849	1.1213	.03015
SDev	.00175	.96235	.00587	.00638	.00468	.0002
%RSD	12.937	.28284	2.8677	34.512	.4175	.66982

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	21.630	L-.01427	.12606	.50519	.39179	H1088.3
SDev	.10634	.00026	.00334	.00177	.0023	3.35
%RSD	.49162	1.8853	2.6509	.35057	.58775	.30783

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.516	61.361	5.7132	.10439	1.880	.59833
SDev	.24657	.24715	.0136	.00586	.2442	.00455
%RSD	.71438	.40278	.23807	5.6166	12.99	.76207

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.38301	.56615	.25116	.01279	-.00085	.06851
SDev	.00362	.00349	.00332	.00125	.00281	.00196
%RSD	.94567	.61797	1.3234	9.843	328.75	2.8729

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.14045	-.09421	.06603	.0163	.2187	.59322
SDev	.00537	.00531	.00214	.0051	.0009	.00093
%RSD	3.8287	5.6418	3.2498	31.11	.3977	.15719

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.02330	.51379	1.1754
SDev	.01026	.00401	.00328
%RSD	44.029	.78107	.27918

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Method: ICAPNC Sample Name: T39395-3 Operator:
Run Time: 10/16/09 04:11 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00655	323.10	.15543	.01963	1.0938	.02305
SDev	.00057	1.0588	.00406	.0018	.00099	.00018
%RSD	8.8058	.3277	2.6168	9.1688	.0908	.81795

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	24.929	L-.00883	.30855	.44134	.38195	727.31
SDev	.03217	.00029	.00198	.00049	.00049	.81221
%RSD	.12905	3.2944	.64283	.11262	.12932	.11167

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	35.600	85.943	20.315	.06829	2.588	.74416
SDev	.10191	.09351	.0195	.00077	.1665	.00337
%RSD	.28626	.1088	.09601	1.1346	6.433	.45344

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.12953	.53901	.31761	.00503	-.00233	.04403
SDev	.0035	.01215	.00653	.00331	.00458	.00414
%RSD	2.7053	2.255	2.0587	65.911	196.36	9.4213

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.09648	-.06218	.03799	.0182	.2571	.55703
SDev	.0056	.00638	.00186	.0061	.0001	.00069
%RSD	5.805	10.268	4.9204	33.43	.0525	.12411

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.01175	.42316	1.5028
SDev	.00715	.00168	.0022
%RSD	60.897	.39873	.14695

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 04:19 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24665	39.971	2.0106	1.9498	2.0180	2.0133
SDev	.00055	.08174	.00687	.00584	.00814	.00397
%RSD	.22671	.20451	.34186	.29967	.40349	.1973

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.321	1.9934	1.9714	1.9758	1.9898	40.301
SDev	.12564	.00443	.00455	.00413	.00644	.08597
%RSD	.3116	.22243	.23114	.20933	.32381	.21334

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.850	39.672	1.9830	1.9733	39.22	1.9870
SDev	.22713	.09437	.00372	.01331	.0605	.00605
%RSD	.55603	.23788	.18788	.6746	.1541	.30454

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9580	1.9978	1.9848	2.0178	1.9865	1.9837
SDev	.00379	.00591	.00481	.00727	.05943	.07838
%RSD	.19357	.29582	.24263	.3607	2.9921	3.9514

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9916	2.0223	2.0154	1.926	1.860	1.9886
SDev	.02371	.01235	.00525	.0032	.007	.00318
%RSD	1.1909	.6111	.26068	.165	.3737	.16024

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9379	1.9734	2.0118
SDev	.05841	.00326	.00502
%RSD	3.0146	.16555	.24968

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 04:29 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00033	.00181	-.00075	-.00104	.00000	.00000
SDev	.00009	.0018	.00016	.00004	.00001	.00001
%RSD	30.146	99.113	21.273	3.9266	151.57	1431.2

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00351	-.00007	-.00019	-.00025	.00008	-.01886
SDev	.00016	.00006	.00033	.00044	.00006	.00835
%RSD	4.5593	79.008	167.24	176.4	78.384	44.272

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05220	-.00172	-.00002	.00071	-.0901	-.00061
SDev	.00099	.00232	.00003	.00031	.0074	.00014
%RSD	1.9008	134.61	119.05	43.786	8.25	23.668

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00097	-.00054	.00015	.00148	.00348	.00379
SDev	.00127	.00086	.00038	.00052	.0009	.00129
%RSD	130.97	157.19	253.61	35.565	25.834	34.089

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00233	-.00120	.00255	.0012	-.0001	.00025
SDev	.00069	.00118	.00096	.001	0	.0001
%RSD	29.614	98.031	37.588	86.47	12.83	40.391

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00273	.00002	-.00017
SDev	.00055	.00013	.00005
%RSD	20.437	580.61	30.333

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Method: ICAPNC Sample Name: MP10430-MB1 Operator:
Run Time: 10/16/09 04:36 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00008	.00148	.00030	-.00133	-.00002	.00002
SDev	.00022	.00328	.00105	.00049	.00002	.00003
%RSD	266.04	220.58	340.72	36.909	78.775	168.37

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00318	-.00001	.00001	-.00002	.00008	-.02094
SDev	.0006	.0001	.00013	.00029	.00015	.00579
%RSD	19.042	639.71	927.67	1429.9	167.52	27.69

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04641	-.00024	.00006	.00020	.0181	-.00039
SDev	.01042	.00108	.00003	.00047	.0533	.00039
%RSD	22.466	448.32	50.042	229.22	294.5	100.72

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00183	-.00088	.00023	.00091	.00005	-.00069
SDev	.00098	.00118	.00057	.0001	.00027	.00002
%RSD	53.462	134.32	238.71	11.971	463.36	3.8184

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00102	-.00042	.00130	.0005	-.0001	.00019
SDev	.00079	.00232	.0013	.0009	0	0
%RSD	76.833	549.15	99.746	177.1	12.72	.22181

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00005	-.00008	-.00012
SDev	.00164	.00029	.00009
%RSD	3003.4	327.1	75.207

Zoom In
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Method: ICAPNC Sample Name: MP10430-LC1 Operator:
Run Time: 10/16/09 04:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.79844	174.38	1.8850	1.4666	4.3546	1.2528
SDev	.00118	.29964	.004	.00574	.01176	.00169
%RSD	.14801	.17183	.2127	.39148	.27013	.13529

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	114.91	2.0610	3.0899	1.0082	1.6163	262.34
SDev	.3617	.00366	.00598	.00209	.00521	.40644
%RSD	.31477	.17794	.19385	.20787	.32268	.15493

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	53.186	63.703	7.6515	.95464	8.670	1.1226
SDev	.21975	.12509	.01093	.00664	.089	.00099
%RSD	.41317	.19636	.14289	.6964	1.027	.08831

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9186	2.1637	2.0823	1.6825	.80285	.81930
SDev	.01147	.01657	.00812	.00595	.01985	.02756
%RSD	.59785	.76608	.39009	.35416	2.4727	3.3649

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.76991	1.6649	1.6914	1.396	1.956	8.1396
SDev	.00517	.01285	.00668	.0046	.0034	.00848
%RSD	.67274	.77187	.39521	.3279	.176	.10429

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	3.0301	2.3930	4.4704
SDev	.07802	.00193	.00683
%RSD	2.5749	.08068	.15282

Zoom In
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Method: ICAPNC Sample Name: T39177-1 Operator:
Run Time: 10/16/09 04:49 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00247	235.88	.35705	-.00320	22.309	.01215
SDev	.00041	.41035	.00229	.00243	.0709	0
%RSD	16.587	.17397	.64389	76.027	.31782	.06226

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	194.09	.00182	.10105	.15722	.09874	232.25
SDev	.40643	.0002	.0002	.00074	.00031	.21154
%RSD	.2094	11.011	.20396	.4709	.31636	.09108

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	52.257	59.181	20.426	.02873	19.36	.19861
SDev	.21269	.01207	.02104	.00034	.1313	.00037
%RSD	.40701	.02041	.10303	1.2134	.6782	.18664

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00153	.25859	.17220	.00151	.00783	.02401
SDev	.00094	.00147	.00072	.00166	.00247	.00198
%RSD	61.84	.57083	.41812	109.8	31.627	8.2608

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02460	-.02226	.01344	.0153	1.454	2.3082
SDev	.00402	.00307	.0034	.0041	.0022	.00122
%RSD	16.339	13.797	25.347	26.7	.1544	.05291

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00866	.32583	.73622
SDev	.01627	.00054	.00081
%RSD	187.79	.16806	.11054

Zoom In
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Method: ICAPNC Sample Name: MP10430-D1 Operator:
Run Time: 10/16/09 04:55 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00239	237.63	.36763	-.00925	20.159	.01375
SDev	.00086	.68056	.00113	.00189	.00823	.00002
%RSD	36.306	.28639	.30822	20.433	.04083	.16385

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	164.19	-.00036	.12275	.17649	.07701	280.67
SDev	.10228	.00037	.00018	.00091	.00042	.18334
%RSD	.06229	101.32	.15052	.52108	.54814	.06532

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	47.907	72.964	17.558	.02961	18.81	.22596
SDev	.17076	.11078	.00911	.00048	.0518	.00097
%RSD	.35644	.15183	.05188	1.6267	.2754	.43212

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00324	.29729	.19960	-.00124	.00256	.02150
SDev	.0029	.00147	.00065	.00078	.00059	.00133
%RSD	89.535	.49573	.32932	63.396	23.359	6.2002

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03530	-.02716	.01181	.0179	1.409	2.3687
SDev	.00157	.00303	.0026	.0055	.0017	.00403
%RSD	4.4565	11.19	22.092	30.58	.1218	.17037

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00395	.35537	.81795
SDev	.00584	.00047	.00129
%RSD	147.85	.13249	.15893

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Method: ICAPNC Sample Name: MP10430-SD1 Operator:
Run Time: 10/16/09 05:02 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00069	277.60	.42848	-.00943	H28.324	.01457
SDev	.00051	.73771	.00147	.00092	.0183	.00013
%RSD	73.642	.26575	.3445	9.8236	.06464	.9061

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	223.65	.00112	.12175	.18536	.11059	271.17
SDev	.40425	.00014	.0005	.0016	.00166	.28224
%RSD	.18075	12.575	.41557	.86602	1.5028	.10408

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	62.060	69.641	25.192	.03137	21.86	.23862
SDev	.13181	.08147	.0312	.00165	.4852	.0027
%RSD	.2124	.11699	.12388	5.2743	2.22	1.1316

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00774	.30936	.21017	-.00094	.00554	.02486
SDev	.00267	.0057	.00331	.00713	.00082	.00061
%RSD	34.545	1.8433	1.5768	751.59	14.822	2.458

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03521	-.03702	.01609	.0170	1.620	2.7240
SDev	.00132	.00221	.00963	.0034	.0005	.00258
%RSD	3.7599	5.9938	59.841	20.18	.0329	.0948

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00027	.38656	.90278
SDev	.00714	.00146	.00122
%RSD	2566.2	.37786	.13552

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Method: ICAPNC Sample Name: MP10430-S1 Operator:
Run Time: 10/16/09 05:08 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11556	260.48	.87487	.57384	20.331	.34994
SDev	.00065	.3174	.00323	.00448	.06187	.00098
%RSD	.56463	.12185	.36931	.78176	.30433	.28286

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	333.65	.32413	.41285	.45713	.40219	266.30
SDev	1.5629	.00012	.00145	.00049	.00131	.75326
%RSD	.46843	.03751	.35225	.10936	.32691	.28285

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	85.131	98.897	33.343	.32706	62.05	.49667
SDev	.40756	.32951	.0934	.00177	.0855	.00006
%RSD	.47875	.33319	.28013	.54414	.1378	.01335

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.30254	.59135	.49540	.29949	.10016	.11856
SDev	.00117	.00518	.00301	.00241	.00354	.00539
%RSD	.38815	.87653	.60845	.80482	3.5377	4.551

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.06335	.27583	.31147	.2918	1.797	2.4493
SDev	.00086	.00896	.00176	.0037	.0044	.00447
%RSD	1.3676	3.2511	.56601	1.266	.2444	.18257

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.30384	.58879	.98063
SDev	.00613	.00095	.0021
%RSD	2.0201	.16208	.21442

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Method: ICAPNC Sample Name: MP10430-S2 Operator:
Run Time: 10/16/09 05:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.11638	256.67	.74725	.55973	20.936	.34378
SDev	.00096	.59445	.0017	.00266	.00942	.00021
%RSD	.82594	.2316	.22829	.47616	.04502	.06393

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	255.78	.32147	.41638	.45244	.39714	278.91
SDev	.27309	.00046	.00069	.00085	.00054	.21768
%RSD	.10676	.14465	.16755	.18958	.13812	.07804

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	83.579	99.331	24.016	.33562	61.73	.50385
SDev	.21213	.09921	.02553	.00191	.2868	.00022
%RSD	.25381	.09988	.10633	.57166	.4646	.04552

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.30770	.60618	.50706	.29945	.12593	.14533
SDev	.00153	.00417	.00322	.00099	.0056	.00793
%RSD	.49967	.68878	.63647	.33117	4.4544	5.4565

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.08714	.27576	.31141	.2888	1.782	2.2903
SDev	.00105	.00253	.00197	.0051	.001	.00202
%RSD	1.2099	.91799	.6343	1.768	.0536	.08821

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.31200	.59368	1.0379
SDev	.00372	.00019	.00129
%RSD	1.1935	.0328	.12461

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Method: ICAPNC Sample Name: T39177-2 Operator:
Run Time: 10/16/09 05:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00211	189.73	.22475	.00418	H46.096	.00986
SDev	.00039	.2004	.00175	.00087	.13878	.00005
%RSD	18.534	.10563	.77891	20.842	.30108	.60237

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	154.77	.00065	.09220	.14111	.07872	192.83
SDev	.5449	.00038	.00036	.00043	.00032	.31505
%RSD	.35207	59.647	.39494	.30843	.4089	.16338

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.552	50.754	19.181	.02282	20.42	.15654
SDev	.09994	.07998	.02964	.00123	.105	.00062
%RSD	.24051	.15758	.15456	5.3983	.5143	.39762

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00232	.20516	.13627	.00114	.00273	.01508
SDev	.00273	.00169	.00023	.00274	.0014	.00283
%RSD	117.61	.8261	.17015	239.35	51.159	18.821

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02210	-.01665	.01005	.0159	1.168	2.0941
SDev	.00274	.00515	.0041	.0037	.002	.00369
%RSD	12.419	30.938	40.768	23.09	.1752	.1765

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00079	.26039	.56226
SDev	.00606	.00049	.00065
%RSD	760.77	.1918	.11584

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Method: ICAPNC Sample Name: T39177-3 Operator:
Run Time: 10/16/09 05:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00183	215.26	.43679	.00450	H26.716	.00997
SDev	.00024	.09885	.00342	.00116	.02279	.00002
%RSD	13.283	.04592	.78347	25.76	.08531	.20486

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	84.641	-.00019	.27897	.09964	.15998	208.64
SDev	.2376	.00033	.00081	.00036	.00025	.40692
%RSD	.28071	166.51	.29138	.36745	.16062	.19504

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	38.413	38.348	4.9635	.03163	16.90	.15768
SDev	.01652	.08581	.00757	.0005	.0839	.00093
%RSD	.04301	.22378	.15264	1.5862	.4963	.59136

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01775	.24998	.17288	.00376	-.00011	.01409
SDev	.00249	.00168	.00078	.0003	.00155	.00323
%RSD	14.059	.67415	.45533	8.0035	1343.9	22.957

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02867	-.01830	.01476	.0181	1.172	2.1959
SDev	.00183	.0014	.00087	.0016	.0007	.00341
%RSD	6.4063	7.654	5.9411	8.835	.0631	.15554

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00236	.26081	.63652
SDev	.00328	.00079	.00157
%RSD	138.54	.30377	.24764

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Method: ICAPNC Sample Name: T39177-4 Operator:
Run Time: 10/16/09 05:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00149	197.14	.10192	-.00326	20.787	.00977
SDev	.00039	.14274	.00131	.00111	.05676	.00005
%RSD	26.736	.0724	1.2928	34.307	.27307	.60881

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	84.025	-.00105	.13025	.09657	.14128	194.99
SDev	.35953	.00025	.00038	.00059	.00067	.48869
%RSD	.42789	24.354	.2939	.62043	.47518	.25062

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.131	34.970	4.7882	.02057	19.57	.11989
SDev	.14418	.05026	.00985	.00068	.0176	.00011
%RSD	.42243	.14373	.20588	3.3423	.0898	.09775

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.04579	.26367	.19138	.00497	.00019	.01382
SDev	.00226	.00186	.00047	.00105	.00074	.00154
%RSD	4.9412	.70575	.24791	21.16	388.78	11.18

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02724	-.01578	.01531	.0177	1.242	2.1834
SDev	.00109	.0019	.00172	.004	.0015	.00381
%RSD	4.012	12.055	11.236	22.64	.1242	.17454

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00139	.25671	.59431
SDev	.00342	.00062	.00073
%RSD	245.31	.24287	.1238

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 05:42 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24536	39.134	1.9621	1.8961	1.9654	1.9744
SDev	.00007	.20073	.00591	.00345	.00412	.0013
%RSD	.0324	.51293	.30122	.18211	.20975	.06618

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.672	1.9468	1.9284	1.9371	1.9477	39.510
SDev	.05146	.00188	.00097	.00268	.00599	.02723
%RSD	.12972	.09693	.05079	.13862	.30771	.06894

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.062	38.887	1.9361	1.9527	38.32	1.9430
SDev	.14429	.05011	.00105	.0202	.2953	.00072
%RSD	.36017	.12887	.05462	1.0349	.7705	.03709

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9140	1.9606	1.9453	1.9714	1.9152	1.9114
SDev	.00274	.00428	.0022	.00606	.09431	.12377
%RSD	.14321	.21834	.11352	.30761	4.9244	6.4758

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9223	1.9699	1.9719	1.911	1.828	1.9472
SDev	.03559	.00314	.00778	.0086	.0027	.00356
%RSD	1.8518	.15971	.39477	.4482	.1453	.18283

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9442	1.9548	1.9789
SDev	.01138	.0011	.00118
%RSD	.58553	.05669	.05998

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 05:52 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00029	-.00232	.00094	-.00060	.00003	.00014
SDev	.00034	.00264	.00043	.00022	.00002	.00002
%RSD	117.06	113.52	45.748	36.509	64.709	16.658

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.01300	-.00011	-.00007	-.00018	.00003	-.02225
SDev	.00015	.00003	.00023	.00011	.00013	.00194
%RSD	1.2273	29.82	317.32	64.152	377.11	8.7242

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04215	-.00100	.00025	.00072	-.0651	-.00012
SDev	.00547	.00112	.00005	.0002	.0254	.00009
%RSD	12.989	112.01	20.934	28.686	39.1	73.147

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00097	-.00128	-.00030	.00152	.00270	.00290
SDev	.00042	.00078	.00064	.00124	.00096	.00067
%RSD	43.433	61.116	209.21	81.802	35.831	23.367

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00175	.00087	.00156	.0001	-.0000	.00054
SDev	.00163	.00191	.00168	.0007	0	.00017
%RSD	92.912	219.53	107.78	503.4	59.93	31.523

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00020	-.00023	.00087
SDev	.00169	.00007	.00009
%RSD	841.87	30.642	11.179

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Method: ICAPNC Sample Name: T39177-5 Operator:
Run Time: 10/16/09 05:59 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00218	273.44	.03008	-.00039	H51.829	.01033
SDev	.0002	.38418	.00151	.00216	.1307	0
%RSD	9.2044	.1405	5.0458	551.19	.25217	.05974

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	101.78	-.00138	.09945	.12943	.11289	247.77
SDev	.32878	.00047	.00059	.00077	.00011	.62853
%RSD	.32302	34.162	.60012	.59614	.10202	.25367

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	54.089	74.165	6.7503	.02383	25.70	.11998
SDev	.12248	.14755	.01335	.00054	.098	.00106
%RSD	.22644	.19895	.19785	2.2682	.3812	.88925

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03418	.24315	.15104	-.00062	-.00042	.01566
SDev	.00108	.00069	.00033	.00311	.00228	.00389
%RSD	3.1824	.2854	.22026	502.02	542.95	24.838

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03263	-.02365	.01092	.0195	1.858	4.0495
SDev	.00171	.00488	.00278	.0062	.0009	.01028
%RSD	5.2552	20.647	25.524	31.81	.0464	.25386

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00111	.38426	.89014
SDev	.00616	.00113	.00176
%RSD	552.14	.29415	.19878

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Method: ICAPNC Sample Name: T39177-6 Operator:
Run Time: 10/16/09 06:05 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00100	249.33	.03215	-.00909	H31.222	.00963
SDev	.00062	.73244	.00047	.00085	.06503	.00001
%RSD	62.223	.29376	1.4906	9.3779	.20829	.20689

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	112.54	-.00135	.09153	.14146	.12138	232.40
SDev	.11311	.00018	.00022	.00036	.00034	.08003
%RSD	.10051	13.884	.24214	.25944	.28347	.03443

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	45.260	72.913	7.5035	.02266	24.68	.11385
SDev	.1734	.03904	.0021	.00037	.1775	.00065
%RSD	.38313	.05354	.02805	1.6414	.7192	.57493

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.02189	.23417	.14911	-.00090	-.00152	.01386
SDev	.00228	.00247	.00182	.00138	.00266	.00446
%RSD	10.431	1.0588	1.222	153.25	174.36	32.185

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03236	-.02372	.01054	.0171	1.865	3.8724
SDev	.00167	.0019	.00126	.005	.0024	.00434
%RSD	5.1875	8.0167	11.983	29.54	.1304	.11211

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00174	.34973	.93624
SDev	.0038	.0002	.001
%RSD	218.1	.05935	.10755

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Method: ICAPNC Sample Name: T39177-7 Operator:
Run Time: 10/16/09 06:12 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00211	265.78	.02811	-.02127	H27.473	.00962
SDev	.00031	.52262	.00063	.00157	.00317	.00002
%RSD	14.828	.19663	2.2708	7.4033	.01157	.23175

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	108.07	-.00173	.09432	.09126	.07398	267.52
SDev	.38605	.0001	.0007	.00051	.00016	.74439
%RSD	.35721	5.9125	.7521	.56901	.2208	.27825

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.954	82.476	8.0619	.02298	23.04	.09796
SDev	.03679	.28457	.01761	.0006	.0239	.00043
%RSD	.07516	.34503	.21848	2.6397	.1036	.44696

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.04322	.24775	.15114	.00064	.00029	.01913
SDev	.00198	.00176	.00069	.00133	.00048	.00104
%RSD	4.6009	.71102	.46219	206.27	166.04	5.4514

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03739	-.02344	.01275	.0167	1.808	5.3091
SDev	.00117	.00435	.0015	.0037	.0009	.00992
%RSD	3.1384	18.56	11.83	22.43	.0501	.18702

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00062	.41430	.94883
SDev	.00413	.00081	.00241
%RSD	665.96	.19587	.25436

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Method: ICAPNC Sample Name: T39177-8 Operator:
Run Time: 10/16/09 06:18 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00278	231.95	.04196	-.00815	H46.081	.01040
SDev	.00018	.45001	.00075	.00239	.06788	.00002
%RSD	6.5314	.19401	1.7904	29.333	.14731	.2023

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	150.12	-.00089	.10374	.15199	.16627	282.69
SDev	.43507	.00031	.00014	.00009	.00041	.40822
%RSD	.28982	35.061	.1352	.06201	.25055	.1444

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	41.664	58.880	6.6680	.02849	30.22	.13565
SDev	.14955	.03376	.00929	.00036	.1703	.00037
%RSD	.35895	.05734	.13939	1.2739	.5635	.27746

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03733	.25551	.15822	.00189	-.00008	.01914
SDev	.00178	.00159	.00057	.00157	.00186	.00262
%RSD	4.7897	.62506	.36525	83.433	2277.8	13.686

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.03856	-.02389	.01485	.0317	1.708	4.2660
SDev	.00165	.00389	.00366	.0045	.0013	.00564
%RSD	4.2948	16.317	24.695	14.31	.074	.13238

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00149	.42320	.92294
SDev	.00549	.00048	.00047
%RSD	366.96	.1146	.05127

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Method: ICAPNC Sample Name: T39177-9 Operator:
Run Time: 10/16/09 06:25 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00214	124.41	.02208	.02702	H78.383	.00556
SDev	.0003	.57428	.00207	.00085	.1959	.00005
%RSD	14.166	.46159	9.4158	3.1451	.24993	.90848

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	57.239	-.00085	.08441	.07498	.11800	145.60
SDev	.15909	.00007	.00055	.00041	.00074	.14471
%RSD	.27794	9.214	.65573	.55022	.63425	.09939

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	26.684	27.203	2.8477	.01750	26.40	.06598
SDev	.18579	.03793	.0012	.003	.1848	.00082
%RSD	.69627	.13945	.04246	1.7506	.7001	1.246

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.03854	.11055	.06111	.00437	-.00008	.00968
SDev	.00208	.00181	.00065	.00073	.00258	.0038
%RSD	5.4205	1.6402	1.0647	16.723	2913.9	39.319

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.01990	-.01173	.01233	.0159	1.147	1.1900
SDev	.00104	.00332	.00214	.003	.0038	.00121
%RSD	5.2305	28.353	17.42	18.67	.3312	.10239

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00601	.19426	.39028
SDev	.00375	.00036	.00022
%RSD	62.366	.1894	.05892

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Method: ICAPNC Sample Name: T39177-10 Operator:
Run Time: 10/16/09 06:31 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00264	266.67	.02896	.01480	H50.965	.00863
SDev	.00034	.35915	.00205	.00144	.09092	.00001
%RSD	13.126	.13468	7.1044	9.7437	.1784	.14107

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	93.816	-.00202	.09501	.07425	.10985	281.90
SDev	.00733	.00027	.00019	.00071	.0002	.06409
%RSD	.00782	13.538	.20354	.9593	.18949	.02273

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.929	44.836	4.9957	.02583	36.18	.06991
SDev	.05822	.01004	.00259	.0003	.153	.0008
%RSD	.15767	.02241	.05197	1.1807	.4228	1.1473

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.09395	.21474	.11215	.00373	-.00274	.01600
SDev	.00122	.00145	.00076	.0016	.00052	.00204
%RSD	1.3078	.67595	.68488	42.94	18.946	12.794

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.04027	-.02445	.01786	.0163	1.820	1.3562
SDev	.00253	.00367	.00166	.0037	.0003	.00083
%RSD	6.3028	15.047	9.2967	22.54	.014	.06145

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00283	.32893	.74949
SDev	.00582	.00032	.00066
%RSD	205.63	.09947	.08895

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Method: ICAPNC Sample Name: T39177-11 Operator:
Run Time: 10/16/09 06:38 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00572	215.52	.06148	-.05525	H41.507	.00931
SDev	.0006	.21713	.00182	.00147	.11887	.00001
%RSD	10.511	.10075	2.9619	2.6676	.28639	.18018

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	217.63	-.00228	.17117	.10926	.21381	367.34
SDev	.37096	.00024	.00045	.00123	.00047	.67143
%RSD	.17045	10.715	.26365	1.1279	.21993	.18278

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.005	89.805	11.788	.03292	21.91	.09783
SDev	.05153	.18969	.01135	.00024	.0771	.00085
%RSD	.1662	.21122	.09635	.75375	.3519	.87737

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.21272	.56521	.44803	.00717	-.00321	.02083
SDev	.00384	.00429	.00175	.00138	.00343	.00597
%RSD	1.8088	.75939	.39085	19.33	106.82	28.678

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.05116	-.02554	.02372	.0139	1.142	9.0016
SDev	.00184	.00185	.0021	.0041	.0019	.01151
%RSD	3.5988	7.2501	8.8908	29.52	.1657	.12797

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00447	.66519	.93313
SDev	.00654	.001	.00211
%RSD	146.33	.15072	.22688

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Method: ICAPNC Sample Name: T39177-12 Operator:
Run Time: 10/16/09 06:44 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00158	167.22	.03384	.00545	H55.933	.00925
SDev	.00047	.22141	.0016	.00174	.10121	.00002
%RSD	29.748	.1324	4.738	31.954	.18095	.27328

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	65.472	-.00146	.07861	.11918	.18236	182.13
SDev	.13221	.00034	.0001	.00044	.00006	.25774
%RSD	.20193	23.412	.12993	.37384	.03332	.14152

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	34.375	36.307	2.8835	.01972	22.99	.10424
SDev	.06415	.02946	.00211	.00072	.0759	.00063
%RSD	.18663	.08115	.07337	3.6868	.33	.61302

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00927	.18408	.11991	.00339	-.00072	.01111
SDev	.0012	.00307	.00176	.00203	.00204	.00279
%RSD	13.025	1.6678	1.4739	60.129	280.84	25.159

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02459	-.01700	.01351	.0183	1.319	2.0119
SDev	.00197	.0017	.00259	.0052	.0011	.00181
%RSD	8.0483	10.049	19.183	28.08	.0799	.09005

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00223	.26745	.55563
SDev	.00448	.00015	.00048
%RSD	200.42	.0591	.08687

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Method: ICAPNC Sample Name: T39177-13 Operator:
Run Time: 10/16/09 06:51 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00204	133.10	.15450	.01047	H41.879	.00937
SDev	.00011	.11736	.00112	.00079	.05872	.00002
%RSD	5.4181	.08818	.72916	7.6304	.14023	.25341

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	72.638	-.00171	.08860	.09878	.25228	179.06
SDev	.17548	.00024	.00032	.00019	.00052	.22963
%RSD	.24158	14.419	.37138	.19546	.20998	.12824

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	29.370	32.882	3.3277	.01804	13.86	.10921
SDev	.07341	.01809	.00345	.00012	.0155	.00046
%RSD	.24995	.05503	.10372	.68133	.1121	.42249

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.01043	.17409	.11291	.00271	.00064	.01227
SDev	.00116	.00179	.0009	.0011	.0013	.00205
%RSD	11.115	1.0308	.80437	40.749	203.06	16.775

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02283	-.01645	.01222	.0157	.6986	.83759
SDev	.00153	.00172	.00239	.0021	.0005	.00075
%RSD	6.7386	10.492	19.578	13.44	.072	.09044

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00178	.19520	.42685
SDev	.00267	.00045	.0002
%RSD	149.85	.23439	.04774

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 06:59 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.23289	L35.078	1.8444	L1.7664	1.8331	1.8653
SDev	.0002	.03839	.00485	.00308	.00289	.00242
%RSD	.08805	.10946	.2634	.17475	.15801	.12987

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	36.162	1.8400	1.8178	1.8275	1.8117	L35.877
SDev	.03223	.00245	.00084	.0004	.00284	.01637
%RSD	.08913	.13341	.04637	.02202	.15704	.04564

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	36.042	L35.217	1.8250	1.8624	L34.37	1.8269
SDev	.06431	.01139	.00139	.01899	.0692	.0028
%RSD	.17843	.03235	.07623	1.0198	.2014	.1535

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8012	1.8513	1.8349	1.8457	1.8012	1.8037
SDev	.00292	.00225	.00226	.00474	.0874	.11372
%RSD	.16263	.12182	.12326	.25695	4.8522	6.3053

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.7959	1.8330	1.8519	1.834	L1.717	1.8510
SDev	.03469	.00221	.00658	.009	.0016	.00326
%RSD	1.932	.1206	.35547	.4921	.0921	.17615

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.8356	1.8579	1.8637
SDev	.00708	.00084	.00047
%RSD	.38623	.04554	.02556

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 07:11 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00036	-.00329	-.00017	-.00137	.00006	.00012
SDev	.00037	.00271	.00078	.00032	.00002	.00003
%RSD	101.56	82.21	438.27	23.378	40.237	25.876

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.00628	-.00011	-.00005	-.00028	-.00010	-.02079
SDev	.00068	.00015	.00031	.00029	.00002	.00376
%RSD	10.856	134.57	625.15	103.9	20.217	18.096

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05392	.00116	.00014	.00004	-.0732	-.00055
SDev	.00564	.00317	.00002	.00027	.0957	.00036
%RSD	10.476	272.42	19.783	563.95	130.7	65.849

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00078	-.00197	-.00085	.00052	.00052	-.00006
SDev	.00035	.00028	.00007	.00075	.00022	.00068
%RSD	45.498	14.282	8.6374	145.73	42.314	1029

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00117	.00205	-.00051	.0001	-.0000	.00054
SDev	.00146	.00049	.00089	.0006	0	.00017
%RSD	124.61	24.034	173.64	730.8	29.62	31.697

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00012	.00000	.00045
SDev	.00068	.0001	.00001
%RSD	536.27	1889.9	2.8277

Zoom In
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Method: ICAPNC Sample Name: MP10470-MB1 Operator:
Run Time: 10/16/09 07:17 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00032	-.01624	-.00093	-.00120	.00001	.00015
SDev	.00008	.00183	.00041	.00035	.00002	.00003
%RSD	27.05	11.311	43.882	29.775	204.07	23.048

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00376	-.00013	.00004	-.00026	.00018	-.01381
SDev	.00016	.00003	.00017	.00032	.00013	.00356
%RSD	4.2577	29.06	426.21	123.71	72.712	25.798

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03219	-.00163	-.00004	-.00017	-.0945	-.00081
SDev	.00275	.00188	.00003	.00047	.0345	.00046
%RSD	8.5457	115.68	68.447	277.26	36.55	56.901

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00043	-.00039	-.00018	.00117	-.00020	.00020
SDev	.00197	.00043	.0005	.00124	.00042	.00108
%RSD	456.98	109.74	271.5	106.25	204.8	533.73

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00155	.00053	.00120	.0003	-.0001	.00042
SDev	.00093	.00088	.00167	.001	0	.00009
%RSD	59.959	164.87	139.8	347.1	5.026	23.086

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00041	-.00002	-.00027
SDev	.00188	.00014	.00007
%RSD	450.95	505.58	26.546

Zoom In
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Method: ICAPNC Sample Name: MP10470-B1 Operator:
Run Time: 10/16/09 07:24 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.41829	51.898	.40554	.97426	.40742	.40952
SDev	.03889	1.7326	.01402	.03558	.01233	.01472
%RSD	9.2972	3.3385	3.4586	3.6527	3.0281	3.5957

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.521	.39431	.38996	.39370	.40629	50.766
SDev	1.4929	.01377	.01228	.01206	.01189	1.7084
%RSD	2.9549	3.4935	3.1497	3.0642	2.9283	3.3653

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.838	50.229	.41227	.40726	49.77	.39595
SDev	1.2789	1.7551	.01139	.01413	1.505	.01143
%RSD	2.5156	3.4943	2.7651	3.4712	3.025	2.8871

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.36009	.41483	.39687	.40364	.39899	.40325
SDev	.0101	.01564	.01369	.01912	.02436	.02668
%RSD	2.8068	3.7725	3.451	4.7385	6.1056	6.6175

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.39004	.39856	.40598	.3953	.3424	.41704
SDev	.01987	.01985	.0188	.0133	.0099	.0144
%RSD	5.0943	4.9821	4.6325	3.377	2.888	3.4548

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.38681	.39888	.41949
SDev	.03224	.01217	.01273
%RSD	8.3368	3.0523	3.0361

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Method: ICAPNC Sample Name: T39394-13 Operator:
Run Time: 10/16/09 07:30 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00008	.01201	.00064	.00061	.00050	.00018
SDev	.0001	.0053	.00098	.00014	0	.00003
%RSD	123.16	44.159	152.43	24.216	1.9716	16.564

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.12814	.00000	-.00009	.00044	.00155	.00943
SDev	.00053	.00014	.00026	.00024	.00009	.00452
%RSD	.41638	2108.3	290.09	55.263	6.2847	47.941

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.02602	.01587	.00137	.00128	.3995	-.00001
SDev	.00104	.00313	.00002	.0005	.0484	.00005
%RSD	4.0024	19.762	1.562	39.307	12.11	363.47

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00236	.00025	.00117	.00169	.00403	.00451
SDev	.00121	.00014	.0003	.00141	.0027	.00246
%RSD	51.497	59.161	26.287	83.526	67.069	54.678

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00252	-.00576	.00515	.0101	.0004	.00071
SDev	.00318	.00036	.00226	.0003	0	.00017
%RSD	126.1	6.3651	43.87	3.336	2.979	23.991

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00234	-.00004	.00181
SDev	.00158	.00012	.00009
%RSD	67.572	316.4	5.0972

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Method: ICAPNC Sample Name: MP10470-D1 Operator:
Run Time: 10/16/09 07:37 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00028	.01781	-.00008	-.00017	.00047	.00010
SDev	.00023	.00149	.00082	.00029	.00004	.00001
%RSD	81.099	8.4002	917.2	169.44	8.8808	14.433

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.13191	-.00018	-.00013	.00031	.00168	.00894
SDev	.00064	.00013	.00029	.00025	.00038	.00669
%RSD	.48758	71.34	225.18	79.334	22.915	74.836

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.04238	.01639	.00107	.00085	.3875	-.00005
SDev	.01	.00362	.00001	.00025	.0384	.0001
%RSD	23.606	22.134	1.7843	30.353	9.92	190.36

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00516	-.00126	.00112	.00241	.00003	-.00054
SDev	.00012	.00064	.00051	.00114	.00095	.00114
%RSD	2.4072	51.388	46.13	47.576	2552.5	210.73

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00066	-.00233	.00450	.0103	.0004	.00048
SDev	.0006	.00152	.002	.0026	0	.00009
%RSD	90.172	65.325	44.589	25.47	3.768	20.35

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00378	.00012	.00133
SDev	.00038	.00044	.00005
%RSD	10.245	348.96	4.079

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Method: ICAPNC Sample Name: MP10470-SD1 Operator:
Run Time: 10/16/09 07:43 Filename: R101509
Mode: CONC Type: S Corr. Factor: 5.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00087	.01130	-.00135	-.00377	.00042	.00049
SDev	.00078	.0142	.00429	.00199	.00022	.00024
%RSD	89.608	125.61	317.55	52.802	52.474	50.502

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.12519	-.00041	-.00094	-.00078	.00205	-.04462
SDev	.00102	.00048	.0008	.00085	.00212	.02349
%RSD	.81736	115.09	85.659	108.92	103.27	52.649

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.23675	.02803	.00116	.00065	.3530	-.00110
SDev	.02543	.02012	.00001	.00333	.3981	.00059
%RSD	10.744	71.773	1.3481	511.18	112.8	53.616

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00114	-.00308	-.00143	.01059	-.00176	-.00394
SDev	.00483	.00247	.0024	.00888	.00191	.00232
%RSD	423.29	80.135	168.2	83.874	108.3	58.879

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00008	-.00615	.01761	.0054	.0001	.00126
SDev	.00322	.00848	.00917	.0105	.0001	.00132
%RSD	3986.5	137.8	52.085	194.4	96.38	105.16

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00805	.00019	.01099
SDev	.01505	.00123	.0001
%RSD	186.88	635.9	.95728

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Method: ICAPNC Sample Name: MP10470-S1 Operator:
Run Time: 10/16/09 07:49 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.13437	49.778	.38543	.92445	.39101	.39600
SDev	.00023	.16615	.00313	.00177	.00049	.00076
%RSD	.1719	.33378	.81271	.19195	.12723	.19321

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	48.896	.37783	.37349	.37844	.39100	48.760
SDev	.11709	.00069	.0011	.00108	.00113	.10686
%RSD	.23947	.18464	.29491	.2865	.28986	.21916

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	48.533	48.145	.39511	.39145	48.14	.37855
SDev	.16553	.07938	.00043	.00381	.2707	.00113
%RSD	.34107	.16488	.10997	.97506	.5623	.3006

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.34428	.39857	.38079	.38027	.38228	.38705
SDev	.00126	.00343	.00229	.00018	.0115	.01401
%RSD	.36696	.86127	.60273	.04982	3.0103	3.6219

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.37229	.36984	.38526	.3882	.3280	.40204
SDev	.00648	.00092	.00018	.0005	.0004	.00131
%RSD	1.742	.25114	.04923	.1209	.1163	.32797

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.36113	.38191	.40108
SDev	.02007	.00098	.00066
%RSD	5.5586	.25722	.16478

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Method: ICAPNC Sample Name: MP10470-S2 Operator:
Run Time: 10/16/09 07:56 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.13832	51.802	.40085	.95837	.40836	.40919
SDev	.00092	.08932	.00206	.00275	.00024	.00051
%RSD	.6661	.17244	.51431	.28717	.05964	.12649

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	50.431	.39048	.38657	.39097	.40826	50.448
SDev	.08517	.00025	.00122	.00007	.00056	.0807
%RSD	.1689	.06493	.31671	.0186	.13901	.15997

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	50.474	49.718	.40878	.40615	50.03	.39009
SDev	.08533	.0609	.00013	.00414	.2159	.00036
%RSD	.16906	.12249	.03289	1.021	.4316	.09343

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.35132	.41408	.39347	.39530	.40151	.40872
SDev	.00629	.00562	.00167	.00452	.00999	.01446
%RSD	1.7905	1.3588	.42491	1.1438	2.4894	3.5398

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.38666	.38156	.40195	.4010	.3421	.41800
SDev	.00371	.00537	.00765	.0012	0	.00044
%RSD	.96043	1.4083	1.9036	.3021	.002	.10623

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.37686	.39540	.41418
SDev	.0162	.00154	.00016
%RSD	4.3	.3916	.03986

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Method: ICAPNC Sample Name: T38498-2 Operator:
Run Time: 10/16/09 08:02 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00030	6.2547	.00552	.15475	.01175	.00020
SDev	.0001	.00352	.00081	.00042	.00004	.00001
%RSD	34.373	.05633	14.786	.27357	.37756	5.3048

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.775	-.00029	.00306	.00173	.02267	8.3884
SDev	.04683	.00008	.00006	.0003	.00005	.00717
%RSD	.11486	28.579	2.0248	17.552	.22469	.08559

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	2.9586	36.297	1.2155	.00401	H255.0	.00204
SDev	.00205	.04678	.00141	.0006	.2193	.00004
%RSD	.06945	.1289	.11659	14.991	.086	2.4091

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00496	.00544	.00224	.00299	.00605	.00818
SDev	.00036	.00133	.00099	.00058	.00292	.00302
%RSD	7.3082	24.574	44.037	19.414	48.278	36.969

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00129	-.00208	.00527	.0021	.1541	.05791
SDev	.00272	.00061	.00063	.0018	.0003	.00059
%RSD	210.73	29.233	12.108	85.21	.1707	1.0215

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00123	.02489	.01537
SDev	.00401	.00034	.00009
%RSD	325.97	1.3835	.62908

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Method: ICAPNC Sample Name: T38498-4 Operator:
Run Time: 10/16/09 08:09 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00005	.53378	.10543	2.8750	.13790	.00005
SDev	.0002	.00261	.00035	.00604	.00008	.00001
%RSD	365.57	.48946	.332	.21023	.05949	33.448

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	79.244	.00010	.00015	.00027	.00239	9.9216
SDev	.14581	.00002	.00008	.00009	.00033	.01433
%RSD	.184	24.29	52.541	33.952	13.934	.14452

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	6.4718	51.441	1.7071	.00497	H204.3	.00062
SDev	.01304	.10496	.00292	.00072	.8247	.00055
%RSD	.20159	.20405	.17147	14.642	.4036	89.582

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00426	.00345	.00111	.00285	.00200	.00326
SDev	.00182	.00107	.00106	.00116	.0006	.00067
%RSD	42.755	31.153	95.719	40.608	30.144	20.589

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00100	-.00351	.00578	.0020	.6201	.01491
SDev	.00052	.00173	.00105	.0016	.0004	.00065
%RSD	52.687	49.349	18.281	82.09	.0611	4.4166

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00276	.00171	-.00096
SDev	.00048	.00043	.00001
%RSD	17.588	25.586	2.0282

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Method: ICAPNC Sample Name: T39524-1 Operator:
Run Time: 10/16/09 08:15 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00029	1.4681	.00924	.08435	.12187	.00049
SDev	.00069	.02533	.00034	.00066	.00001	.00001
%RSD	233.44	1.7255	3.7548	.78737	.0157	3.6851

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	109.70	.00020	.02560	.01687	.22397	3.7763
SDev	.31045	.00011	.00036	.00076	.00094	.0075
%RSD	.28299	54.394	1.4252	4.5404	.42148	.19863

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H217.04	30.215	1.4604	.00790	H278.6	.01209
SDev	1.3723	.0379	.00372	.00036	2.181	.00045
%RSD	.63227	.12545	.25509	4.631	.783	3.7646

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00144	.00255	.00241	.01288	.00175	.00287
SDev	.00176	.00081	.0001	.00143	.00079	.0019
%RSD	122.36	31.894	4.3691	11.161	45.482	66.145

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00101	.01153	.01334	.0084	.4529	.17450
SDev	.0019	.00152	.00289	.002	.0004	.00278
%RSD	187.91	13.233	21.718	23.45	.0891	1.5984

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	L-.01233	.03471	1.1568
SDev	.00257	.00006	.00154
%RSD	20.896	.18454	.13378

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 08:24 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24824	39.864	1.9982	1.9068	2.0023	2.0033
SDev	.00024	.02912	.00958	.00517	.00163	.00243
%RSD	.10054	.07304	.47984	.27145	.08145	.12172

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	40.413	1.9708	1.9533	1.9639	1.9819	40.369
SDev	.03023	.00207	.00124	.00158	.0026	.02769
%RSD	.0748	.10533	.0639	.08091	.1314	.06861

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.886	39.548	1.9667	1.9880	38.80	1.9575
SDev	.09208	.04546	.00153	.01818	.0786	.00164
%RSD	.22521	.11495	.07782	.91498	.2026	.08397

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9304	1.9910	1.9711	2.0059	1.9663	1.9737
SDev	.00091	.00354	.00258	.00479	.0961	.12717
%RSD	.04728	.17809	.13138	.23896	4.8878	6.4432

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9508	1.9875	2.0148	1.958	1.859	1.9812
SDev	.03413	.00491	.0051	.006	.0012	.00108
%RSD	1.7496	.24736	.25356	.3063	.0649	.05468

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9778	1.9747	2.0044
SDev	.00942	.00186	.00278
%RSD	.47632	.09435	.13899

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 08:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00034	-.01815	-.00064	-.00056	.00000	.00020
SDev	.0001	.00156	.00063	.00037	.00002	.00001
%RSD	29.541	8.6458	99.142	67.14	12411	8.4258

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00417	-.00013	-.00020	-.00014	-.00004	-.01964
SDev	.00033	.00014	.0001	.00008	.00002	.00282
%RSD	7.9482	108.8	48.518	60.97	68.804	14.399

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.03181	-.00015	-.00004	.00043	-.0456	-.00019
SDev	.00262	.0009	.00003	.00041	.0536	.00058
%RSD	8.2519	598.96	91.791	95.838	117.6	301.89

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00048	-.00083	-.00016	.00176	.00175	.00166
SDev	.00146	.00098	.00023	.00063	.0011	.00147
%RSD	303.77	117.99	143.77	36.085	63.072	88.51

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00140	.00079	.00196	.0008	-.0001	.00043
SDev	.00049	.00094	.00053	.0014	0	.00009
%RSD	34.919	118.8	26.984	169.6	8.058	22.904

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00035	-.00010	-.00028
SDev	.00054	.00022	.00006
%RSD	152.05	203.65	23.207

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Method: ICAPNC Sample Name: T39535-3 Operator:
Run Time: 10/16/09 08:40 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00023	.00736	-.00080	10.181	.00362	.00011
SDev	.00019	.00492	.00052	.03612	.00006	.00003
%RSD	80.942	66.932	65.572	.35479	1.7965	32.11

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	24.680	-.00007	-.00008	.00000	.01416	.59399
SDev	.00358	.00004	.00014	.0005	.00038	.00345
%RSD	.01452	56.124	160.2	8458.5	2.7359	.58157

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	31.544	11.733	.03975	.41937	21.44	-.00018
SDev	.16503	.0186	.00006	.00212	.1954	.00013
%RSD	.52319	.15854	.16499	.50756	.9116	72.34

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.01076	.00835	.00938	.00114	.00132	.00282
SDev	.00034	.00047	.00019	.00096	.00074	.00142
%RSD	3.2422	5.7009	2.1103	83.842	56.436	50.587

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00220	-.00348	.00317	.0018	.5194	.00019
SDev	.00063	.00248	.00082	.0018	.0015	.00009
%RSD	28.839	71.345	25.987	101	.286	50.134

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00317	-.00095	.01262
SDev	.00218	.00006	.00007
%RSD	68.799	6.9216	.5824

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Method: ICAPNC Sample Name: T39627-10 Operator:
Run Time: 10/16/09 08:47 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00039	.18511	.00526	.42956	.17072	.00014
SDev	.00016	.00244	.00066	.00155	.00047	0
%RSD	41.027	1.3188	12.708	.36219	.2756	4.2973

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	47.045	.00175	.04034	.01034	.00780	8.0597
SDev	.07286	.00005	.00007	.00001	.00016	.00818
%RSD	.15488	3.0437	.19034	.109	2.0743	.10157

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	H142.15	8.2968	.21739	.00533	116.3	.00944
SDev	.07073	.01816	.00034	.00043	.2916	.00063
%RSD	.04976	.21897	.16047	8.0756	.2507	6.7712

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.19457	.20129	.19928	.00177	.00230	.00386
SDev	.00288	.001	.00043	.00122	.00131	.00209
%RSD	1.4803	.49962	.21866	68.707	57.064	54.187

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.00134	-.00387	.00434	.0138	.2067	.05340
SDev	.0011	.00125	.00143	.0013	.0005	.00019
%RSD	81.621	32.262	33.091	9.484	.2324	.3727

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00642	.02535	1.9763
SDev	.00158	.00032	.0024
%RSD	24.64	1.2834	.12145

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Method: ICAPNC Sample Name: T39630-2 Operator:
Run Time: 10/16/09 08:53 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00021	.00440	-.00073	.00311	.00042	.00012
SDev	.0002	.00157	.00072	.00079	.00005	.00001
%RSD	95.441	35.715	97.771	25.707	13.557	9.464

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	.10079	-.00026	-.00029	.00021	.00146	-.00629
SDev	.00068	.00007	.00045	.00045	.0001	.00441
%RSD	.68164	29.517	154.45	212.7	6.973	70.123

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.05323	.00894	.00354	.00016	.2229	-.00033
SDev	.00193	.00131	0	.00026	.0861	.00023
%RSD	3.6343	14.694	.17443	160.3	38.64	71.13

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00270	-.00014	.00105	.00029	.00068	.00063
SDev	.00139	.00047	.00036	.00053	.00124	.00148
%RSD	51.67	336.11	34.843	181.73	181.44	234.65

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00025	-.00616	.00324	.0086	.0002	.00037
SDev	.00102	.00044	.00096	.0009	0	0
%RSD	403.94	7.2345	29.613	10.6	4.133	.23412

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00439	-.00011	.00152
SDev	.00125	.00013	.00005
%RSD	28.625	118.04	3.7136

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Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 09:01 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.24959	39.895	2.0050	1.9160	1.9888	2.0266
SDev	.00019	.08118	.00592	.00324	.00401	.00127
%RSD	.07902	.20348	.29551	.16917	.20167	.06266

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	41.203	1.9931	1.9734	1.9867	1.9734	40.828
SDev	.10026	.00413	.00269	.00388	.00645	.05459
%RSD	.24334	.20758	.13675	.19561	.32719	.1337

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	40.588	39.997	1.9843	2.0020	38.94	1.9736
SDev	.10626	.03693	.00287	.02024	.0847	.00369
%RSD	.26182	.09233	.14507	1.0112	.2175	.18737

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.9464	2.0093	1.9886	1.9968	1.9683	1.9797
SDev	.00528	.00311	.00041	.00603	.09698	.1268
%RSD	.27159	.15478	.02096	.30232	4.9273	6.4055

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9451	1.9723	2.0088	1.985	1.856	1.9856
SDev	.03725	.00202	.00945	.0066	.0036	.00208
%RSD	1.9154	.10276	.47067	.3307	.1919	.10503

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9884	1.9866	2.0260
SDev	.01084	.00167	.00118
%RSD	.54543	.08448	.0584

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Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 09:11 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	-.00014	-.02294	-.00010	.00029	-.00004	.00026
SDev	.00026	.00364	.00069	.00041	.00004	.00002
%RSD	183.51	15.896	644.4	140.01	93.26	8.1591

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00377	-.00002	-.00020	-.00004	-.00004	-.02062
SDev	.00013	.00017	.00001	.00023	.00019	.00336
%RSD	3.5593	673.4	8.1255	504.2	418.91	16.292

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.02965	-.00244	-.00003	.00028	-.0774	-.00045
SDev	.00624	.00042	.00002	.00027	.069	.00041
%RSD	21.075	17.351	57.46	96.268	89.19	90.114

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.00035	-.00081	-.00043	.00152	.00219	.00252
SDev	.00176	.00149	.00106	.00022	.00168	.00253
%RSD	500.91	184.25	242.38	14.848	76.547	100.63

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00101	.00033	.00183	.0009	-.0001	.00025
SDev	.00133	.0011	.00022	.0011	0	.0001
%RSD	131.51	332.97	12.402	126.4	8.977	38.694

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00047	-.00042	-.00031
SDev	.00104	.00012	.00005
%RSD	220.51	30.232	16.921

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/16/09 09:21 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00968	.17789	.00427	.10068	.20748	.00526
SDev	.00027	.00279	.00018	.00073	.00063	.00001
%RSD	2.8447	1.5725	4.2702	.73004	.30457	.22939

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.8424	.00403	.04959	.00959	.02463	.07501
SDev	.01121	.00006	.0001	.00033	.0001	.00191
%RSD	.23163	1.7301	.2024	3.4473	.44635	2.5568

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7553	4.8278	.01543	.01013	4.761	.03925
SDev	.00772	.00429	.00004	.00018	.0263	.00052
%RSD	.16241	.08891	.2969	1.8125	.552	1.3403

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00352	.00142	.00233	.00711	.00419	.00380
SDev	.00121	.00152	.00062	.00104	.0017	.00272
%RSD	34.492	106.89	26.898	14.675	40.592	71.576

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00443	.00576	.00751	.0201	.0175	.02042
SDev	.00039	.00091	.0017	.0018	0	.00011
%RSD	8.8454	15.884	22.62	8.859	.1194	.55926

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00799	.04834	.02627
SDev	.00188	.00013	.0002
%RSD	23.554	.28905	.779

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Method: ICAPNC Sample Name: CRI Operator:
Run Time: 10/16/09 09:28 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00924	.19875	.00447	.11861	.19674	.00421
SDev	.00078	.00162	.00025	.00131	.00029	.00004
%RSD	8.4877	.8178	5.8033	1.1088	.15179	1.0584

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	4.9785	.00382	L.01976	.00940	.02407	.08375
SDev	.03274	.0003	.0001	.0009	.00021	.0027
%RSD	.6577	7.8867	.51503	9.6275	.88168	3.2308

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	4.7902	4.9190	.01515	.01067	4.841	.03734
SDev	.01273	.01881	.00021	.00027	.0328	.00093
%RSD	.26581	.38246	1.4396	2.6138	.6775	2.5039

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00318	.00242	.00291	.00639	.00537	.00549
SDev	.00131	.00082	.00034	.00129	.00081	.00114
%RSD	41.335	34.068	11.966	20.254	15.215	20.902

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00460	.00514	.00673	.0194	.0175	.02037
SDev	.00024	.00261	.00174	.003	0	.00005
%RSD	5.4086	50.721	25.87	15.58	.1013	.28192

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00834	L.01946	.02542
SDev	.00223	.0004	.00019
%RSD	26.807	2.0697	.77296

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Method: ICAPNC Sample Name: ICSA Operator:
Run Time: 10/16/09 09:34 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00266	485.41	-.00083	-.06566	.00193	.00001
SDev	.00026	.76103	.00117	.00169	.00007	.00002
%RSD	10.116	.15678	141.68	2.5881	3.8432	145.02

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	513.42	-.00123	-.00134	.00692	-.00448	197.59
SDev	.99748	.00037	.00042	.00018	.00005	.08463
%RSD	.19428	30.417	31.749	2.6616	1.1853	.04283

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.71595	507.05	-.00110	.01174	.0290	.00053
SDev	.00409	.16222	.00057	.0007	.0216	.00046
%RSD	.57156	.03199	52.463	6.04	74.54	88.019

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	-.20884	.10058	-.00221	.00240	.00315	.01830
SDev	.00395	.00296	.00078	.00093	.0024	.00426
%RSD	1.8937	2.9448	35.471	38.867	76.058	23.326

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	-.02705	-.02126	.01451	-.0047	.0002	.00229
SDev	.00257	.00451	.00248	.0077	0	.00011
%RSD	9.5141	21.228	17.109	165.2	2.339	4.8513

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.00290	.00013	-.00121
SDev	.00782	.00037	.00028
%RSD	269.84	280.3	23.589

Zoom In Zoom Out

Analysis Report Averages 10/26/09 01:56:40 PM page 187

Method: ICAPNC Sample Name: ICSAB Operator:
Run Time: 10/16/09 09:41 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.0300	488.24	.51320	-.07051	.51475	.48947
SDev	.00111	.87175	.0018	.00024	.00118	.00105
%RSD	.10782	.17854	.35209	.34268	.22946	.21615

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	509.54	.92520	.47623	.48365	.51926	198.91
SDev	2.5944	.00336	.00096	.00067	.00175	.37009
%RSD	.50916	.36368	.20349	.13925	.33734	.18606

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	.71759	507.38	.49208	.50508	-.0073	.88472
SDev	.00679	.98994	.0013	.00348	.125	.00132
%RSD	.94657	.1951	.26518	.69004	1710	.15023

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.26243	.58849	.48017	.50548	.99362	1.0205
SDev	.0068	.00779	.00302	.00398	.0337	.03816
%RSD	2.5939	1.3251	.63024	.78801	3.3925	3.7399

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.93997	.47574	.52061	-.0073	.0002	.00217
SDev	.02493	.00643	.00492	.005	0	.00021
%RSD	2.6527	1.3533	.94605	68.52	15.27	9.9033

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	.46147	.48276	1.0306
SDev	.02482	.00101	.00128
%RSD	5.3794	.21067	.12451

Zoom In Zoom Out

Analysis Report Averages 10/26/09 01:56:40 PM page 188

Method: ICAPNC Sample Name: CCV Operator:
Run Time: 10/16/09 10:10 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.25178	38.508	1.9604	1.8811	1.9363	1.9777
SDev	.00035	.03611	.00115	.00233	.00123	.00189
%RSD	.14187	.09377	.05909	.12394	.06394	.09577

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	39.944	1.9315	1.9635	1.9166	1.9131	39.721
SDev	.05601	.00305	.00214	.00296	.00092	.05093
%RSD	.14023	.15804	.10943	.15471	.04829	.12823

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	39.278	38.964	1.9345	1.9565	37.50	1.9184
SDev	.04616	.02874	.00243	.00958	.0089	.00337
%RSD	.11752	.07377	.12573	.48978	.0237	.176

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	1.8885	1.9453	1.9266	1.9436	1.9481	1.9681
SDev	.00105	.00107	.00041	.00341	.06258	.08189
%RSD	.05561	.05529	.02179	.17583	3.2128	4.161

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	1.9078	1.9221	1.9541	1.954	L1.785	1.9429
SDev	.0246	.00708	.00292	.0048	.0015	.00242
%RSD	1.2897	.36842	.14952	.2476	.082	.12468

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	1.9314	1.9288	1.9727
SDev	.03081	.00227	.00188
%RSD	1.5954	.1178	.09564

Analysis Report Averages 10/26/09 01:56:40 PM page 189

Method: ICAPNC Sample Name: CCB Operator:
Run Time: 10/16/09 10:22 Filename: R101509
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00001	-.02678	-.00191	-.00093	.00000	.00035
SDev	.00017	.00524	.00048	.0002	.00003	.00002
%RSD	1185.5	19.595	25.129	21.994	398.62	8.2607

Elems	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714
Units	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L
Avge	-.00145	.00000	-.00031	-.00006	.00010	-.02213
SDev	.00212	.00017	.0004	.00017	.0002	.00491
%RSD	145.77	2148.7	127.45	287.47	187.66	22.208

Elems	K_7664	Mg2790	Mn2576	Mo2020	Na3302	Ni2316
Units	mg/L	mg/L	mg/L	mg/L	ppm	mg/L
Avge	-.01386	-.00350	.00006	.00028	-.0447	.00008
SDev	.00863	.00508	.00006	.00012	.0095	.00012
%RSD	62.324	144.95	106.42	42.271	21.21	149.14

Elems	2203-1	2203-2	Pb2203	Se1960	Sb2068	2068-1
Units			mg/L	mg/L	mg/L	
Avge	.00089	-.00111	-.00022	-.00022	.00285	.00226
SDev	.00243	.00114	.00006	.00123	.00278	.00386
%RSD	270.7	103.03	27.903	545.15	97.522	170.47

Elems	2068-2	1960-1	1960-2	Sn1899	Sr4215	Ti3349
Units				ppm	ppm	mg/L
Avge	.00348	.00005	-.00064	.0001	-.0000	.00025
SDev	.00083	.00209	.00142	.0008	0	.00019
%RSD	23.861	4107.1	220.34	611.8	54.59	77.753

Elems	Tl1908	V_2924	Zn2138
Units	mg/L	mg/L	mg/L
Avge	-.00006	-.00034	-.00010
SDev	.0001	.00042	.00013
%RSD	144.46	123.82	124.43

ACCUTEST

Batch ID #: MP 10399

Aqueous Digestion Log

ICP DIGESTION METHOD: SW-846 3010A or EPA 200.7

Digestion Block ID #: 4 Thermometer ID #: 71 Prep Date: 10/6/09

Regular ✓		Acceptable Temperature Ranges: 90 to 95°C	
200.7		START TIME: 900	END TIME: 1550
TCLP			
SPLP		START TEMP: 95	END TEMP: 95

Acid Reference ID #:	Spike Reference ID:	DOE:
1:1 HCl: MA2004-107-859	Spike Solution: MA2006-019-098	DOE:
HNO_3: A090831	TCLP Spike Solution:	DOE:
Filter Lot #:	Spike Solution:	DOE:
Digestion Tube Lot#: A9054P037	Spike Solution:	DOE:

Sample ID	Initial pH	Adjusted pH	Sample Volume (mL)	Spike Amount (mL)	Acid Amount (mL)		Final Volume (mL)	Comments
				Spike / TCLP / Addit.	HNO3 / 1:1 HCl			
MB1	7	<2	50		1.5x2	5	50	
LC1(LC)	↓	↓	↓	1.0	↓	↓	↓	
LC2(LCD)								
SD1	<2	–	50		1.5x2	5	50	
D1(DUP)								
S1(MS)				1.0				
S2(MSD)				1.0				
1 T38367-1								
2 -2								
3 368-1								
4 -2								
5 -3								
6 T39187-1								
7 -2								
8 -3								
9 -4								
10 185-2								
11 -4								
12 -6								
13 -8								
14 -10								
15 -12								
16 -14								
17 -16								
18 -18								
19 T38417-2								
20								

Lab Technician: JS Date: 10/6/09

Analyst: Date:

QC Reviewer: Date:

P.2

Form: AA-018A

10.3.1 10

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP6986/GN18265	0.010	0.0	mg/l	0.2	0.197	98.5	90-110%
Sulfate	GN18336	10	0.0	mg/l	100	93.0	93.0	80-120%

Associated Samples:
Batch GN18336: T39187-1, T39187-2, T39187-3, T39187-4
Batch GP6986: T39187-1, T39187-2, T39187-3, T39187-4, T39187-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP6986/GN18265	T39187-1	mg/l	0.0040 U	0.0	0.0	0-20%
Sulfate	GN18336	T39513-1	mg/l	5230	5230	0.2	0-20%

Associated Samples:
Batch GN18336: T39187-1, T39187-2, T39187-3, T39187-4
Batch GP6986: T39187-1, T39187-2, T39187-3, T39187-4, T39187-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP6986/GN18265	T39187-1	mg/l	0.0040 U	0.2	0.18	90.0	90-110%
Sulfate	GN18336	T39513-1	mg/l	5230	25	5250	98.8	75-125%

Associated Samples:
Batch GN18336: T39187-1, T39187-2, T39187-3, T39187-4
Batch GP6986: T39187-1, T39187-2, T39187-3, T39187-4, T39187-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 100809W2CN.TXT Date Analyzed: 10/08/09 Methods: EPA 335.4
Analyst: CV Run ID: GN18265
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:37	GN18265-ICV1	1		
12:37	GN18265-ICB1	1		
12:39	GP6986-B1	1		
12:40	GP6986-MB1	1		
12:42	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:52	GN18265-CCV1	1		
12:52	GN18265-CCB1	1		
12:54	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:57	GP6986-S1	1		
12:57	GP6986-D1	1		
12:59	T39187-1	1		
13:00	T39187-2	1		
13:02	T39187-3	1		
13:02	T39187-4	1		
13:04	T39187-5	1		
13:05	GN18265-CCV2	1		
13:07	GN18265-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: T39187
Account: ERMUTSLC - ERM Salt Lake City
Project: Vertellus-Provo

File ID: 100809W2CN.TXT Date Analyzed: 10/08/09 Methods: EPA 335.4
Run ID: GN18265 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN18265-ICV1	Cyanide	0.20	0.010	0.0040	.2	100.0	90-110
GN18265-ICB1	Cyanide	0.0040 U	0.010	0.0040			
GN18265-CCV1	Cyanide	0.29	0.010	0.0040	.3	96.7	90-110
GN18265-CCB1	Cyanide	-0.010	0.010	0.0040			
GN18265-CCV2	Cyanide	0.29	0.010	0.0040	.3	96.7	90-110
GN18265-CCB2	Cyanide	0.0040 U	0.010	0.0040			

(!) Outside of QC limits

General Chemistry

Raw Data

ACCUTEST LABORATORIES GULF COAST

10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Method : WCYA Unit [mg/L] - EPA 335.4/9012 Cyanide 0.01 to 0.50 mg/L

Smp#/[Dil Fact]	Sample ID	Conc	OD	%Recovery/RPD	Flag	Analysis Time
R-4	RBL	0.0000	0.0068	0.00		12:32:29 PM
R-4	RBL	0.0000	0.0067	0.00		12:32:54 PM
R-4	RBL	0.0000	0.0061	0.00		12:34:59 PM
R-4	RBL	0.0000	0.0068	0.00		12:35:23 PM
1	ICV	0.1986	0.2336	0.00		12:37:28 PM
2	ICB	0.0024	0.0030	0.00		12:37:53 PM
3	BSP GP6986-B1/GP6986-B1	0.1967	0.2314	0.00		12:39:58 PM
4	MB GP6986-MB1/GP6986-MB1	0.0016	0.0021	0.00	><	12:40:23 PM
5	T38984-1S1 GP6985-S1	0.1767	0.2079	0.00		12:42:27 PM
6	T38984-1D1 GP6985-D1	0.0025	0.0031	0.00		12:42:52 PM
7	T38984-1	-0.0001	0.0000	0.00	><,LL	12:44:57 PM
8	T39101-1	0.0085	0.0102	0.00		12:45:22 PM
9	T38417-1	-0.0009	-0.0009	0.00	INV,><,LL	12:47:27 PM
10	T39169-1	0.0030	0.0037	0.00		12:47:52 PM
11	T39169-2	0.0016	0.0021	0.00	><	12:49:56 PM
12	T39169-3	0.0033	0.0041	0.00		12:50:21 PM
13	CCV	0.2942	0.3460	0.00		12:52:26 PM
14	CCB	-0.0102	-0.0119	0.00	INV,><,LL	12:52:51 PM
15	T39169-5	0.0030	0.0037	0.00		12:54:55 PM
16	T39169-6	0.0202	0.0240	0.00		12:55:20 PM
17	T39187-1S1 GP6986-S1	0.1779	0.2093	0.00		12:57:25 PM
18	T39187-1D1 GP6986-D1	0.0031	0.0039	0.00		12:57:50 PM
19	T39187-1	0.0034	0.0042	0.00		12:59:55 PM
20	T39187-2	0.0027	0.0033	0.00		1:00:20 PM
21	T39187-3	0.0344	0.0406	0.00		1:02:25 PM
22	T39187-4	0.2881	0.3388	0.00		1:02:50 PM
23	T39187-5	0.0087	0.0104	0.00		1:04:55 PM
24	CCV1	0.2910	0.3422	0.00		1:05:20 PM
25	CCB1	-0.0004	-0.0004	0.00	INV,><,LL	1:07:25 PM

Report Date :10/08/2009 **Run Date :10/08/2009** **Operator : WESTCO** **Plan # :20091008001**

Plan Description : 100809w1cn

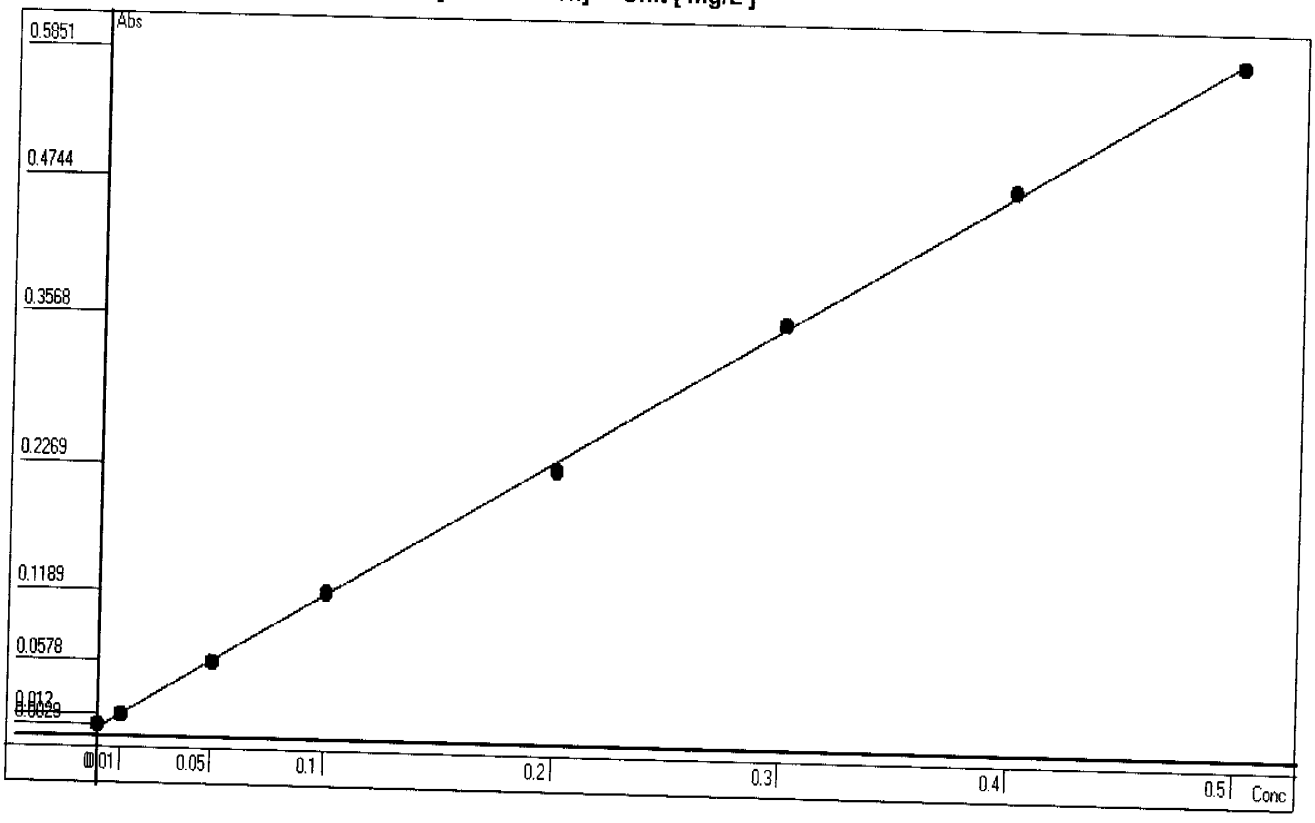
a/ 10/8/09

12.1.1 12

Calibrant Report - WCYA -

Calib Lot #:090408 Exp Date:9/30/2010 User:Westco Scientific

Plan # : 20091008001 Description : [100809w1cn] Unit [mg/L]



Point	OD	Conc	Recalc Conc	% Error
1	0.0029	0	0.0024	0
2	0.0120	0.01	0.0101	1
3	0.0578	0.05	0.0491	-2
4	0.1189	0.1	0.1011	1
5	0.2269	0.2	0.1929	-4
6	0.3568	0.3	0.3035	1
7	0.4744	0.4	0.4035	1
8	0.5851	0.5	0.4977	0

Conc= +0.8508*Abso -0.0001 R^2=0.9996

RBL

Report Date 10/8/2009 Run Date 6/8/2009

CW 10/8/09

12.1.1 12

ACCUTEST LABORATORIES GULF COAST
10165 HARWIN DRIVE
HOUSTON
TEXAS 77036
Phone : 713-271-4700 Fax : 713-271-4770
Web : WWW.ACCUTEST.COM

Sample #	Sample ID	Position	Dil	WCYA
1	ICV	Rack A1 - 1	1/1	X
2	ICB	Rack A1 - 2	1/1	X
3	BSP	Rack A1 - 3	1/1	X
4	MB	Rack A1 - 4	1/1	X
5	T38984-1S1	Rack A1 - 5	1/1	X
6	T38984-1D1	Rack A1 - 6	1/1	X
7	T38984-1	Rack A1 - 7	1/1	X
8	T39101-1	Rack A1 - 8	1/1	X
9	T38417-1	Rack A1 - 9	1/1	X
10	T39169-1	Rack A1 - 10	1/1	X
11	T39169-2	Rack A1 - 11	1/1	X
12	T39169-3	Rack A1 - 12	1/1	X
13	CCV	Rack A1 - 13	1/1	X
14	CCB	Rack A1 - 14	1/1	X
15	T39169-5	Rack A1 - 15	1/1	X
16	T39169-6	Rack A1 - 16	1/1	X
17	T39187-1S1	Rack B1 - 1	1/1	X
18	T39187-1D1	Rack B1 - 2	1/1	X
19	T39187-1	Rack B1 - 3	1/1	X
20	T39187-2	Rack B1 - 4	1/1	X
21	T39187-3	Rack B1 - 5	1/1	X
22	T39187-4	Rack B1 - 6	1/1	X
23	T39187-5	Rack B1 - 7	1/1	X
24	CCV1	Rack B1 - 8	1/1	X
25	CCB1	Rack B1 - 9	1/1	X

Report Date :10/08/2009 **Operator : WESTCO** **Plan # :20091008001**

Plan Description : 100809w1cn

CW 10/8/09

12.1.1 12

ACCUTEST

Westco Analyzer Run Log

Date: 10/8/09
Time: 1222
Analyst: CV

Sources	
Primary Standard:	GN090408E
Secondary Standard:	GN090114A

Reagent	Reagent ID
Acid Phen. Monohydrate	217C-65-3
Color Reagent	217C-66-1
Chloramine T	237C-96-2

CN

Lab Number	Bottle Number	pH Initial	pH Final	Comments	
ICV	237C-96-3				
ICB					
DSP				ies, refer to distillation log	
MD					
T38984-1S1	1			spk, refer to distillation log	
-1D1	1				
-1	1				
T39101-1	5				
T38417-1	4				
T39169-1	5				
-2	3				
-3	3				
CCV	237C-96-1				
CCB					
T39169-5	3				
-6	3				
T39187-1S1	5			spk, refer to distillation log	
-1D1	5				
-1	5				
-2	5				
-3	5				
-4	5				
-5	3				
CCV	237C-96-1				
CCB					
			P.25		CV 10/8/09

Form: GN059 Rev. 0 8/28/08 QAO

12.1.1 12

ACCUTEST

CYANIDE DIGESTION LOG

DATE	ANALYST	MATRIX/ METHOD	SAMPLE ID	SAMPLE WT/ VOLUME	REMARKS
10/7/09	CV	335.4/9012	PBW	6 mL 1	
1540			LCS	2	23TC-96-1
			T35784-1S1	3	120 mL 23TC-81-1 pH >12 Neg Basic 1
			-1D1	4	>12 Neg 1
			-1	5	>12 Neg 1
			T39101-1	6	>12 Neg 5
			T38417-1	7	>12 Neg 4
			T39169-1	8	>12 Neg 5
			-2	9	>12 Neg 3
			-3	10	>12 Neg 3
			-5	11	>12 Neg 3
			-6	12	>12 Neg 3
			T39187-1S1	13	120 mL 23TC-81-1 >12 Neg 5
			-1D1	14	>12 Neg 5
			-1	15	>12 Neg 5
			-2	16	>12 Neg 5
			-3	17	>12 Neg 5
			-4	18	>12 Neg 5
			-5	19	>12 Neg 3

Reagents for Distillation

Releasing Agent: 23TC-63-3

0.95N NaOH: 21TC-76-2

Anefamic Acid GN090625A

Reagents for Analysis

CV 10/7/09

P.11

Form: GN035-01
Rev. Date: 7/2/09

12.1.1 12

ACCUTEST

Inorganic Data Review Checklist

Batch ID: GN 18264 & GN 18266

1. **Following samples are reported in this package:**

Sample ID		deliv. Type Comments
T38984-1	T39187-3	
T39101-1	-4	
T38417-1	-5	
T39169-1		
-2		
-3		
-5		
-6		
T39187-1		
-2		

	Checked by 1st review	2nd review
2. **Sample run log- instrument log + prep log** (Check all standard lot, amount used, sample preparation and dilution information, date and signature)	[✓]	[ ]
3. **Instrument performance report(s) (ICB, BSP, CAL. STDS)** (Check method criteria and frequency)	[✓]	[ ]
4. **Calibration (ICV/CCV/CRDL/ICs) summary** (Check a-method criteria; b -frequency; c-printout)	[✓]	[ ]
5. **Blank** (Check contamination (must be below MDL) and frequency)	[✓]	[ ]
6. **Blank Spike/LCS** (Check recovery and footnote and frequency)	[✓]	[ ]
7. **MS/MSD/DUP** (Check recovery and footnote and frequency)	[✓]	[ ]
8. **Holding Time** (Check footnotes for outside HT and makes sure notify Manager)	[✓]	[ ]
9. **Analytical Comments** (Check for any discrepencies)	[ ]	[ ]

1ST Reviewer;(sign/Date) CW 10/9/09

2nd Reviewer (Supervisor)(sign/Date)

Form: QA002, 2/08/01

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